

CENTRAL BASIN MUNICIPAL WATER DISTRICT

FEBRUARY 4, 2004 - Water Resources
Morse, Apodaca
FEBRUARY 23, 2004 - Board Meeting
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INFORMATION CALENDAR

WATER QUALITY PROTECTION PLAN (WQPP) UPDATESUMMARY:

The WQPP is a project to mitigate and clean up volatile organic compound (VOC) contaminated groundwater in the Whittier Narrows area. Two extraction Wells will convey flows to a granular activated carbon (GAC) treatment plant that will treat the water for potable distribution. The product water will be wheeled to water purveyors through the City of Whittier's pump station.

Construction Update

Construction is nearly complete on the WQPP Treatment Plant. The concrete equipment pad has been poured and the installation of all piping (above- and below-grade), with all necessary connections to the existing systems, is complete. The vendor supplying the GAC treatment system vessels, Calgon Carbon, delivered the ten GAC vessels and the interconnecting piping last week. Remaining work includes installing the interior mechanical fittings in the vessels and then loading the carbon material. The design-builder has indicated that this delay in the delivery will not have any impacts on the project completion date.

Staff expects to be able to begin start-up on the WQPP Treatment Plant in mid-February 2004; start-up and acceptance of the system by the Department of Health Services (DHS) is expected in late February or March 2004. The Plant is expected to operate four to six weeks in a demonstration mode, during that period data (including water quality testing data) will be collected and submitted to DHS for their review. Upon approval from DHS as a public water system, the WQPP will pump the treated water to the City of Whittier's potable water system, to be distributed to the City of Pico Rivera and City of Santa Fe Springs water distribution systems.

California Department of Health Services Coordination

Staff continues to receive and respond to comments from DHS regarding the Abbreviated 97-005 Permit and the Domestic Water Supply Permit, submitted to DHS in November 2003. Central Basin is also assisting the participating purveyors (Whittier, Santa Fe Springs, and Pico Rivera) with the amendments necessary to their respective Drinking Water Supply Permits so they can accept water produced by the WQPP into their systems.

WQPP Participating Purveyor Coordination

Along with working with the aforementioned cities to amend their respective drinking water permits, staff also continues coordination to ensure that all physical improvements are

constructed and operational needs are addressed to ensure that each purveyor will be ready to receive a steady flow of water from the WQPP. Staff expects to bring to the Board a proposed amendment of the Pico Rivera Purveyor Agreement. This amendment will address the operational issues for Pico Rivera to operate the new fluoride injection facility being constructed as part of the WQPP. (This fluoride will only be injected into the water going to the City of Pico Rivera.)

Staff has also identified two existing pipelines within Whittier's Pumping Plant No. 2 site that Whittier is willing to let Central Basin use for the WQPP operation. One pipe is an existing sewer lateral that is required for the WQPP to discharge backwash water. The other pipe is a drain line/outfall structure to the San Gabriel River through which the WQPP can discharge treated water (complying with all NPDES permit requirements). By using these lines, Central Basin will reduce the overall project costs by not having to construct two new pipelines. The District's Legal Counsel is drafting a license agreement addressing the terms under which Central Basin can utilize these pipelines. Staff expects to bring this license to the Board in March 2004.

FISCAL IMPACTS:

Funding has been provided in the Capital Improvement Budget for fiscal year 2003-04 and the Operations Budget for the fiscal years 2003-04 and 2004-05. All expenditures on the WQPP are to be reimbursed by the U.S. Bureau of Reclamation.

ENVIRONMENTAL COMPLIANCE:

The Board finalized the CEQA documentation in September 2001. Staff has received a letter from DHS confirming that the Project is only subject to a modified impaired water source 97-005 assessment process.

Compliance water quality testing is required under the appropriate regulatory permits that include the following: a Public Water System Operating Permit under Title 22 drinking water regulations, an NPDES Permit for Well maintenance and line flushing discharge activities, and a County Sanitation Districts of Los Angeles County Permit for the Treatment Plant backwash discharge.

COMMITTEE STATUS:

This item was reviewed by the Water Resources Committee on February 4, 2004 and agendized to the February 23, 2004 Board meeting as information for discussion.

RECOMMENDED MOTION:

This item is for information only.