

CENTRAL BASIN MUNICIPAL WATER DISTRICT

APRIL 7, 2004 – Water Resources
Hawkins, No Quorum

APRIL 26, 2004 – Board Meeting
Prepared by: Van M. Jew/Paul Cook
Submitted by: Paul E. Shoenberger
Approved by: Darryl G. Miller

INFORMATION CALENDAR

WATER QUALITY PROTECTION PLAN (WQPP) UPDATE

SUMMARY:

The WQPP is a project to contain and clean up volatile organic compound (VOC) contaminated groundwater in the Whittier Narrows area. Two extraction Wells are conveying flows to a granular activated carbon (GAC) Treatment Plant that is treating the water for potable distribution in the future. The product water will be wheeled to the Cities of Santa Fe Springs and Pico Rivera through the City of Whittier's pump station.

Construction Update

The construction of the GAC Treatment Plant is completed and the plant commenced operation on March 11. Approximately 1,500 gpm of groundwater is being treated through the GAC units, and discharged into the San Gabriel River.

The remaining work and punch list items will be completed shortly. The reservoir sluice gates will be installed by mid-April, in time for the expected approvals from the Department of Health Services (DHS) to begin providing WQPP treated water into the domestic water system. The other outstanding work items (painting, paving, sample lines for the GAC sample ports, installation of the City of Santa Fe Springs control valve, installation and programming of the SCADA equipment) will also be completed in April.

Staff continues to work with the City of Pico Rivera to finalize the amendment to address the construction and operation of the fluoridation station. The estimated time to procure the material and construct the fluoridation station is two months.

Change Order Summary

Engineered Systems was the low-bidder for the Treatment Plant Construction at \$2,281,000. In October 2002, the Board authorized execution of a contract with Engineered Systems for an amount of \$2,281,000 plus 10% for unforeseen circumstances. A contract with Engineered Systems Inc. was subsequently signed for an amount of \$1,929,262.49. This reduced price was arrived at after removing a number of items from the "Scope of Work" as proposed by the design-builder, including the outfall pipeline to the San Gabriel River, a large area of "replacement" paving for the City of Whittier, and the fluoride station. It was felt that these items may not be required, but as the project progressed, it was determined that some of these items removed from Engineered System's Scope would be necessary, most notably the paving and the fluoride station. A summary of the Project change orders is as follows:

Low Bid	\$2,281,000.00
Original Contract Amount:	\$1,929,262.49
Change Order No. 1	\$164,650.05
Change Order No. 2	\$91,749.00
Total Contract thru CO No. 2:	<u>\$2,185,661.54</u>

Change Order 1 and 2 are attached as Exhibit "A". Through Change Order No. 2, Engineered System Inc.'s contract amount is still 4.2% below the original Board authorization.

Operations

The operator for WQPP, Southern California Water Company contracted through their parent company American States Utility Services, began providing operational services. They have been instrumental in:

- Developing operational procedures for the Wells;
- Flushing and chlorinating the collection pipeline;
- Backwashing the GAC vessels of carbon fines;
- Collecting water quality samples; and
- Discharging flow to the San Gabriel River.

Prior to DHS permitting, the product water is being discharged to the San Gabriel River, upstream of the San Gabriel River Spreading Grounds where flows can be recaptured into the groundwater basin. Staff has informed the Los Angeles County Department of Public Works, operators of the downstream spreading grounds, that the District is discharging potable grade water that may be captured for groundwater recharge purposes.

Department of Health Services (DHS) Drinking Water Permit 97-005

Staff and the District consultant, CDM, have been working closely with DHS to facilitate the processing of the 97-005 permit. Prior to receiving final DHS approval, staff will also be required to operate the GAC Treatment Plant for a 4-6 week period and collect various water quality samples to demonstrate the Plant's ability to meet potable water standards. Updated water quality results will be presented at the Committee meeting.

FISCAL IMPACTS:

None.

ENVIRONMENTAL COMPLIANCE:

Not required.

COMMITTEE STATUS:

This item was reviewed by the Water Resources Committee on April 7, 2004; although there was no quorum, Director Hawkins suggested that this item be agendaized to the April 26, 2004 Board meeting as information for discussion.

RECOMMENDED MOTION:

This item is for information only.

LIST OF EXHIBITS:

Exhibit "A" - Change Order 1 and 2

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