

**REGULAR MEETING OF THE WATER RESOURCES COMMITTEE
OF THE BOARD OF DIRECTORS
WATER REPLENISHMENT DISTRICT OF SOUTHERN CALIFORNIA**
12621 E.166th Street (Corner, Bloomfield & 166th), Cerritos, California

8:00 A.M., MONDAY, FEBRUARY 9, 2004

AGENDA

EACH ITEM ON THE AGENDA, NO MATTER HOW DESCRIBED, SHALL BE DEEMED TO INCLUDE ANY APPROPRIATE MOTION, WHETHER TO ADOPT A MINUTE MOTION, RESOLUTION, PAYMENT OF ANY BILL, APPROVAL OF ANY MATTER OR ACTION, OR ANY OTHER ACTION. ITEMS LISTED AS "FOR INFORMATION" MAY ALSO BE THE SUBJECT OF AN "ACTION" TAKEN BY THE BOARD OR A COMMITTEE AT THE SAME MEETING.

- I. DETERMINATION OF A QUORUM**
- II. PUBLIC COMMENT**
- III. MINUTES OF THE REGULAR MEETINGS OF DECEMBER 15, 2003 AND JANUARY 5, 2004**
Staff Recommendation: That the Committee approve the minutes as submitted.
- IV. REGULATORY PERMIT UPDATE FOR RECYCLED WATER SERVICE TO ALAMITOS SEAWATER BARRIER**
Staff Recommendation: For information.
- V. UPDATE ON THE 2004 ENGINEERING SURVEY AND REPORT**
Staff Recommendation: For information.
- VI. ADJOURNMENT**

Posted by Tracey A. Burke, Acting Deputy Secretary, February 2, 2004

**MINUTES OF DECEMBER 15, 2003
REGULAR MEETING OF THE WATER RESOURCES COMMITTEE
OF THE BOARD OF DIRECTORS
WATER REPLENISHMENT DISTRICT OF SOUTHERN CALIFORNIA**

A regular meeting of the Water Resources Committee of the Board of Directors of the Water Replenishment District of Southern California was held on December 15, 2003 at 8:06 a.m., at the District Office, 12621 E. 166th Street, Cerritos, California. Chairperson Albert Robles called the meeting to order and presided thereover. Acting Deputy Secretary Abigail C. Andom recorded the minutes.

I. DETERMINATION OF A QUORUM

Attendees at the meeting were as follows:

Committee:	Directors Albert Robles and Robert W. Goldsworthy
Staff:	Kavous Emami, Tony Kirk, Paul Fu, Charlene King, Hoover Ng, Laura Doud, Scott Ota, Jason Weeks
Guest:	Harvey dela Torre, Central Basin Municipal Water District

II. PUBLIC COMMENT

None.

III. MINUTES OF THE REGULAR MEETING OF NOVEMBER 13, 2003

The minutes of the regular meeting of November 13, 2003 were approved as amended.

IV. WRD SAMPLING VEHICLE

Hydrogeologist Tony Kirk stated that due to increasing demands of the District's groundwater monitoring responsibilities, a second groundwater sampling vehicle is needed to complement the existing sampling vehicle presently being used. The second vehicle has been designed with additional capabilities, including higher pump capacities, 180 degree pump rotation, micro-purging, and a wire-line to operate bailers and discrete interval samplers.

The system is designed around a 2004 Ford F-350 pick-up chassis, a model which worked well on the first sampling vehicle. Staff solicited competitive quotes from three local dealers for the chassis and service body. The lowest price was received from Peck Road Truck Center for \$34,418.34, plus contingency for unanticipated modification requirements, for a not to exceed total cost of \$36,000.

Engineering and fabrication of the three sampling skids and modifications to the service body will be performed by AMS in American Falls, Idaho. Staff has searched for local and regional firms who could build the specialized equipment but have concluded that AMS is uniquely qualified

provide this service. AMS designed and built the first WRD sampling vehicle and it has performed excellent over the past 5 years. For these reasons, WRD has standardized on AMS groundwater sampling equipment. The cost for engineering, design and fabrication by AMS will be \$88,000.

A final component of the sampling vehicle will be water quality instrumentation. The instrument and vendor will be determined next year when newer models are on the market. Some leading manufacturers include YSI, Inc., HydroLab, or Horiba. The cost is expected not to exceed \$8,000.

The total amount for this sampling vehicle is \$132,000 and was included in the FY 2003/2004 Capital Budget.

The Committee recommended that the Board authorize the General Manager to purchase a new groundwater sampling vehicle for an amount not to exceed \$132,000.

V. LETTER OF RECOMMENDATION IN FAVOR OF THE CITY OF TORRANCE TO OBTAIN LOCAL RESOURCES PROGRAM FUNDING FROM METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA

Assistant General Manager Kavous Emami stated that the City of Torrance has recently submitted an application to the Metropolitan Water District of Southern California (MWD) to receive funding through their Local Resources Program (LRP) and begin a wellhead treatment program to take advantage of their full pumping rights.

Discussion followed on how this can be tied in to the possible expansion of the Goldsworthy Desalter.

The Committee recommended that the Board endorse the City of Torrance's request to obtain LRP funding from the MWD.

VI. INTERIM OPERATIONS AGREEMENT WITH LONG BEACH WATER DEPARTMENT FOR LEO J. VANDER LANS TREATMENT FACILITY

Senior Engineer Paul Fu stated that the WRD is currently pursuing the operations permit from the Regional Board for the Leo J. Vander Lans Water Treatment Facility. It is estimated that 6 months or longer is needed to complete the permitting process. The operations agreement between the WRD and the Long Beach Water Department (LBWD) will not be effective until the WRD receives the permit. Staff has discussed with LBWD the need for LBWD operators to run the plant on an intermediate schedule in an effort to keep the plant components exercised. It was agreed upon that an interim operations agreement between the two agencies is needed to keep the plant exercised prior to receiving the

permit. The plant will be operated twice a week for approximately 3 hours each time, including startup and shutdown.

The LBWD is currently drafting the interim operations agreement and will be reviewed by the Committee at its next meeting.

VII. LEO J. VANDER LANS WATER TREATMENT FACILITY PROJECT UPDATE

Assistant Engineer Charlene King stated that PK Contractors has completed 99% of the overall contract-required work. All major components of the facility have been constructed and/or installed. Operational and maintenance training was provided to Long Beach Water Department operators. The final stages of construction include final performance testing for DHS approval, construction punch list items and formal close out procedures.

Senior Engineer Paul Fu added that the recent pipe modifications for the UV system have improved its removal performance with NDMA readings down to between 2 and 4. The maximum contaminant level is 10. The plant will be ready for full operation pending final construction details and final approval by the District.

The agenda items were taken out of order.

X. REGULATORY PERMIT UPDATE FOR RECYCLED WATER SERVICE TO ALAMITOS SEAWATER BARRIER

Senior Engineer Hoover Ng stated that the Department of Health Services (DHS) has indicated that they wanted to use the final draft of the permit for the Harbor Water Recycling Project as a template for the permit for the Vander Lans Water Treatment facility. Since the Harbor Project was adopted on October 2, 2003, staff met with DHS and the Regional Water Quality Control Board (RWQCB) on November 18, 2003 to resume discussions regarding the permit requirements. Several outstanding items remain to be addressed. The most critical is that the modification to the treatment process needs to produce acceptable and reliable NDMA removal before they will go forward with a public hearing. Upon DHS' review and approval, a public hearing could be scheduled in February 2004, and complete their recommendation and conditions for approval to RWQCB shortly thereafter. RWQCB indicated that it could be scheduled for board consideration by mid-year.

VIII. OPTIMUM AND MINIMUM GROUNDWATER QUANTITIES

Assistant Controller Laura Doud stated that this item is being brought before the Committee to address the state audit recommendations. The Committee was asked what policy it wants to implement to make sure that

the optimum and minimum quantities adopted by the Board are being followed.

Controller Scott Ota noted that although minimum and optimum groundwater quantities have been established, replenishment water to address the overdraft has not been purchased recently.

Director Goldsworthy stated that he felt the District should be buying all the water it has budgeted for by January 1 or by the end of the fiscal year.

Mr. Ota noted the District's cash reserves will be greatly impacted by the water purchases. Discussion followed on the District's reserves.

Director Robles recommended that a letter be sent to Central Basin Municipal Water District (CBMWD) informing them that WRD will continue to buy water under protest and request reimbursement at a later date if a better agreement can be reached in the future. The Committee also requested that a meeting be set with the CBMWD Directors and the Water Resources Committee.

Director Robles also recommended that this item be reviewed by the WRD Technical Advisory Committee (TAC).

IX. PROPOSITION 13 GRANT APPLICATION UPDATE

Senior Engineer Jason Weeks stated that in June 2003, WRD submitted a Proposition 13 Grant Application for funding assistance for the *Whittier Narrows Conservation Pool Project* to the California Department of Water Resources (DWR). The purpose of the project was to increase the conservation pool elevation behind the Whittier Narrows Dam to 209 feet, thereby increasing the estimated annual additional stormwater capture behind the dam by 2,900 acre-feet per year. This water would then be released from behind the dam for eventual conservation in the Rio Hondo and/or San Gabriel River Spreading Grounds. This capture of additional stormwater could directly reduce the quantity of imported spreading water that WRD would need to purchase to address annual overdraft of the basins.

For the 2003 funding cycle, which was the last of the Proposition 13 funding cycles, there was approximately \$77 million in grant funds available. DWR received funding requests for over \$255 million. Additionally, based on criteria set in the Proposition 13 language and on grants awarded in previous funding cycles, of the \$77 million available for the 2003, only \$58 million was available to applicants located outside of the Central Valley.

The applications received by DWR were ranked based on several criteria identified in the grant application. Based on these criteria, each of the applications was scored, with the maximum possible score being 60. The actual scores for the applications ranged from a low of 20 to a high of 53. WRD's application received a score of 46. Only those projects located outside of the Central Valley that received a score 47 or higher were considered for funding and WRD will not receive Proposition 13 grant funding for the *Whittier Narrow Conservation Pool Project*.

Mr. Harvey dela Torre, CBMWD added that ten projects received a score of 47 or higher. West Basin Municipal Water District (WBMWD) Recycling Plant's application received a score of 47 and will likely receive up to \$9 million grant funding. He also noted that any savings in recycled water costs realized as a result of this grant funding would reduce the unit cost of recycled water purchased by the District, which has been currently agreed upon at \$470 per acre-foot.

XI. ADJOURNMENT

With no further business for the Committee, the meeting was adjourned.

Chairperson

ATTEST:

Director

**MINUTES OF JANUARY 5, 2004
REGULAR MEETING OF THE WATER RESOURCES COMMITTEE
OF THE BOARD OF DIRECTORS
WATER REPLENISHMENT DISTRICT OF SOUTHERN CALIFORNIA**

A regular meeting of the Water Resources Committee of the Board of Directors of the Water Replenishment District of Southern California was held on January 5, 2004 at 8:00 a.m., at the District Office, 12621 E. 166th Street, Cerritos, California. Chairperson Albert Robles called the meeting to order and presided thereover. Acting Deputy Secretary Abigail C. Andom recorded the minutes.

I. DETERMINATION OF A QUORUM

Attendees at the meeting were as follows:

Committee:	Directors Albert Robles and Robert W. Goldsworthy
Staff:	Robb Whitaker, Hoover Ng, Paul Fu, Charlene King, and Ted Johnson

II. PUBLIC COMMENT

None.

III. NDMA RESEARCH WITH WEST BASIN MUNICIPAL WATER DISTRICT

Senior Engineer Hoover Ng stated that staff had reviewed the Investigation of NDMA Fate and Transport proposal and had determined that this is not a duplication of effort with that of the American Water Works Research Foundation (AWWARF). West Basin Municipal Water District (WBMWD), manager of the research effort, had requested that WRD contribute \$40,000 to the study.

Director Goldsworthy recommended that the State Department of Health Services (DHS) be invited to participate in reviewing the scope of work and results of the study as it progresses.

The Committee concurred with staff's recommendation that the Board approve \$40,000 to be paid to WBMWD to assist in the Investigation of NDMA Fate and Transport study on the condition that the State Department of Health Services (DHS) is invited to participate in reviewing the scope of work and results of the study.

IV. TEMPORARY OPERATIONS AND MAINTENANCE AGREEMENT WITH THE LONG BEACH WATER DEPARTMENT FOR THE LEO J. VANDER LANS WATER TREATMENT FACILITY

Senior Engineer Paul Fu stated that the draft agreement has incorporated comments made by counsel and staff from both WRD and Long Beach Water Department (LBWD). The temporary operations and maintenance agreement between the two agencies will keep the plant exercised prior to

receiving the permit from the Regional Water Quality Control Board. It is estimated that the permit process will take about six months or longer to complete. Dr. Fu stated that the temporary agreement shall last until WRD receives the permit but no longer than 12 months. The plant will be operated twice a week to exercise the equipment. The temporary agreement has a not to exceed amount of \$100,000 for total labor costs.

Discussion followed on labor costs and the possible need for an indemnification clause. Staff was asked to review these concerns with Counsel and to include the language in the amended temporary agreement for Board approval.

The Committee recommended that the Board approve the temporary operations and maintenance agreement with the Long Beach Water Department for the Leo J. Vander Lans Water Treatment Facility.

V. LEO J. VANDER LANS WATER TREATMENT FACILITY PROJECT UPDATE

Assistant Engineer Charlene King stated that the project is now on its final stages of completion, including final performance testing for DHS approval, construction punch list items, and formal close out procedures. PK Contractors is no longer on site and operational and maintenance training has been provided to the Long Beach Water Department operators.

Chief Hydrogeologist Ted Johnson provided an update on the public notification for the February 4th Department of Health Services public hearing on the Vander Lans Treatment Facility.

Senior Engineer Paul Fu added that the recent pipe modifications for the UV system have significantly improved its performance with NDMA removal. Results yielded were better than expected with finished water NDMA concentration far below the State's Action Level.

VI. ADJOURNMENT

With no further business for the Committee, the meeting was adjourned at 8:25 A.M.

Chairperson

ATTEST:

Director



MEMORANDUM

ITEM NO. IV

Prepared by: Hoover Ng

Reviewed by: Robb Whitaker

DATE: FEBRUARY 9, 2004

TO: WATER RESOURCES COMMITTEE

FROM: ROBB WHITAKER, GENERAL MANAGER

SUBJECT: REGULATORY PERMIT UPDATE FOR RECYCLED WATER SERVICE TO ALAMITOS SEAWATER BARRIER

SUMMARY

Discussions regarding the regulatory permit required for the Leo J. Vander Lans Water Treatment Facility have been held with the State Department of Health Services (DHS) and the Regional Water Quality Control Board (RWQCB) since September 1999. In late 2002, DHS indicated that they wanted to use the final draft of the permit for the Harbor Water Recycling Project as a template for the permit for this project.

The permit for the Harbor Project was adopted on October 2, 2003. Subsequently, staff met with DHS and RWQCB on November 18, 2003 to resume discussions re permit requirements. In December, staff also provided additional data to demonstrate that the ultraviolet light treatment at the plant was capable of reducing NDMA to acceptable levels. After reviewing this data and finding these results acceptable, DHS agreed to proceed with a public hearing on February 4, 2004.

Staff also prepared presentations to the City of Seal Beach. The closest domestic production well for the project is located in their city.

Staff will present a summary of the public hearing to the Committee.

FISCAL IMPACT

Delays in the delivery of recycled water to the Alamitos Barrier would result in continued use of imported water and delays in effecting long term savings.

STAFF RECOMMENDATION

For information.



MEMORANDUM

ITEM NO. V

Prepared by: Ted Johnson

Reviewed by: Robb Whitaker

DATE: FEBRUARY 9, 2004

TO: WATER RESOURCES COMMITTEE

FROM: ROBB WHITAKER, GENERAL MANAGER

SUBJECT: UPDATE ON THE 2004 ENGINEERING SURVEY AND REPORT

SUMMARY

On January 21, 2004, the Board of Directors adopted Resolution No. 04-695, which ordered the preparation of the annual Engineering Survey and Report (ESR). This report determines, among other things, the following groundwater conditions in the Central and West Coast Basins: amount of pumping, water levels, annual overdraft, accumulated overdraft, change in storage, and the amount of replenishment water needed and its costs for the ensuing year.

This information along with the separate Annual Budget Document provides the Board with the necessary information to determine the Replenishment Assessment (RA) for Fiscal Year 2004/05.

Staff's tentative schedule to meet the Water Code required deadlines for this year's ESR and RA process is as follows:

- January 21, 2004 - Board orders the preparation of the ESR;
- March 3 - Board receives and files ESR and declares whether a RA is needed for the ensuing year;
- April 7 - Board opens the Public Hearing on ESR and proposed RA. Likely continues the hearing to subsequent dates;
- April 21 - Close Public Hearing;
- May 5 - Board adopts the FY04/05 Replenishment Assessment.

Staff is working on the ESR and will provide a progress report and findings to date to the Committee.

FISCAL IMPACT

None

STAFF RECOMMENDATION

For Information.