

**REGULAR MEETING OF THE GROUNDWATER CLEAN-UP 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., TUESDAY, JANUARY 6, 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. GROUNDWATER QUALITY – ARSENIC UPDATE**
Staff Recommendation: For information.
- IV. ROBERT W. GOLDSWORTHY DESALTER UPDATE**
Staff Recommendation: For information.
- V. ADJOURNMENT**

Agenda posted by Tracey A. Burke, Acting Deputy Secretary, December 30, 2003



MEMORANDUM

ITEM NO. III

Prepared by: Hoover Ng

Reviewed by: Ted Johnson

DATE: JANUARY 6, 2004

TO: GROUNDWATER CLEAN-UP COMMITTEE

FROM: ROBB WHITAKER, GENERAL MANAGER

SUBJECT: GROUNDWATER QUALITY – ARSENIC UPDATE

SUMMARY

Arsenic – Section 116361 of the State's Health and Safety Code requires the State DHS to adopt a new arsenic Maximum Contaminant Level by June 30, 2004. The DHS is required to establish a new standard at a maximum of 10 ppb, the new federal standard, but it has the option of setting it lower. On March 7, 2003, OEHHA issued a draft Public Health Goal, a standard based on health effects alone, at 0.004 ppb. At 10 ppb, 11 production wells would be impacted in the Central Basin. If it is at 2 ppb, the analytical detection limit, over 90 wells would be impacted.

Major issues include both technical and economic feasibility. Various pilot tests show promising results for arsenic treatment using various technologies, including ion exchange and activated alumina. SCWC's demonstration project in partnership with WRD at their Century Well in Paramount uses iron based adsorbents (granular ferric hydroxide). The proper disposal of residuals is also critical; the California Waste Extraction Test (WET) measures the leachability of the residuals when disposed in landfills. Most treatment processes will generate residuals that are considered hazardous by this test, which would require extra costs for the permitting, transportation and disposal of them.

The Association of California Water Agencies (ACWA) notified its member agencies on December 18, 2003 that they intend to provide the results of an arsenic residuals study to the State Department Health Services, who will be establishing criteria for Proposition 50 funding of drinking water treatment projects. The study showed that residuals costs alone could total \$150 million annually in California, whereas an EPA study estimated national costs for treatment, including residuals disposal, to be \$180 million annually. Funding for arsenic treatment for local water purveyors will be necessary to assist water purveyors in treating their water to comply with the pending MCL.

FISCAL IMPACT

None.

STAFF RECOMMENDATION

For Information.



MEMORANDUM

ITEM NO. IV

Prepared by: Paul Fu

Reviewed by: Kavous Emami

DATE: JANUARY 6, 2004

TO: GROUNDWATER CLEAN-UP COMMITTEE

FROM: ROBB WHITAKER, GENERAL MANAGER

SUBJECT: ROBERT W. GOLDSWORTHY DESALTER UPDATE

SUMMARY

The Goldsworthy Desalter delivered drinking water to the City of Torrance continuously in the month of December 2003. The chloride level in the well water remained within 1,100 to 1,200 mg/L for the first three weeks in December. The Watermaster collected the annual chloride verification sample on December 9, 2003.

The County Sanitation District is processing an amendment to the waste discharge permit for the Desalter. This amendment requires that the existing sump discharge to be redirected to the brine waste line. Continuous monitoring of pH and flow for the sump pump discharge is also required by the amendment. Staff has submitted engineering drawings to the Sanitation District for review. Upon the approval of drawings by the Sanitation District, the facility will be modified to meet the requirements of the permit amendment.

FISCAL IMPACT

None.

STAFF RECOMMENDATION

For information.