



Desalination Task Force

Minutes

4:00 p.m. – Wednesday, December 15, 2010

City of Santa Cruz Water Department Conference Room

212 Locust St, Suite A, Santa Cruz California

The Desalination Task Force consists of two members of the Soquel Creek Water District Board and two members of the City of Santa Cruz City Council.

Call to Order Director D. Kriege (Chair) called the meeting to order at 4:15 p.m.

Roll Call

Present: Director B. Daniels, Councilmember R. Coonerty (arrived at 4:30), Director D. Kriege (Chair) and Councilmember D. Lane

Staff: General Manager L. Brown, Water Director B. Kocher and Desalination Project Coordinator H. Luckenbach.

Others: P. Meyerhofer, Camp, Dresser and McKee, Inc.

Presentation There were no presentations.

Statements of Disqualification There were no statements of disqualification.

Oral Communications There were no oral communications.

Announcements There were no announcements.

Approval of Minutes

Councilmember D. Lane moved approval of the minutes of the November 17, 2010 Desalination Task Force meeting as submitted. Director D. Kriege seconded.

VOICE VOTE: MOTION CARRIED

AYES: D. Kriege and D. Lane.

NOES: None.

ABSTAIN: B. Daniels.

Information Items No action was taken on the information items.

1. Update on California and Worldwide Desalting Projects
2. Video Footage of In-Situ Wedgewire Screen Operations
3. Letter from D. Butler, National Marine Fisheries Service

Director Kriege commented that the Letter from National Marine Fisheries Service is very impressive and will be very useful in the future.

General Business

1. Open Ocean Intake Effects Study

Desalination Project Coordinator H. Luckenbach provided the staff report and asked for task force comment.

Task Force Comments

Director Daniels stated that relative to impingement the local ocean currents are very surge oriented at the pilot intake and asked if any work has been done to determine the currents at the proposed intake.

Ms. Luckenbach reported that the technical working group had the same concern and did review local data that was available in order to make a correlation between the currents at the pilot intake and the proposed intake. If an open ocean intake is pursued, further investigation will be necessary to determine the best position for the screens.

Director Daniels asked how long did the pump test run and how often?

Ms Luckenbach reported that the pump was run for one hour once a month during the day and at night for 13 months.

Director Daniels expressed concern that the pilot intake pumped a relatively small amount of water compared to the requirement of the full scale plant and that fouling of the screens from algae, jellyfish or kelp may impact flows and will be an impingement effect and asked if this has been studied.

Ms Luckenbach reported that one way of managing this type of fouling was an airburst system. However, use of airburst for this project is not for certain. An airburst system would not address kelp getting tangled around the screens; this would require diver maintenance. The project will further evaluate using the currents to naturally clean the screens which, in combination with a diver-maintenance program, could eliminate the need for any air burst system.

Director Kriege asked how the 1/3 per foot per second velocity for the screens was determined.

Ms. Luckenbach reported that screens are engineered and designed to be achieve uniform velocity across the entire screen. Corrosion is managed so as to ensure long-term uniformity is velocity.

Councilmember D. Lane moved that the **scwd**² Desalination Task Force accept the Draft Report from Tenera Environmental Titled Open Ocean Intake Effects Study as final with comments incorporated. Director B. Daniels seconded.

VOICE VOTE: MOTION CARRIED

AYES: B. Daniels, D. Kriege and D. Lane.

NOES: None.

2. SWRO Desalination Facility Pretreatment Recommendation

Paul Meyerhofer, Camp Dresser and McKee, Inc. provided the staff report and a Power Point presentation. The presentation materials will be included in the original papers.

Task Force Comments

This is a key decision which will guide the design process.

Director Daniels asked about the process and the schedule for a decision on the intake.

Ms. Luckenbach reported that open ocean intakes and a subsurface intake remain under consideration from a technical standpoint. These options will likely be evaluated at a similar level in the EIR, but that has not yet been determined giving the current status of the EIR.

Public Comments

Steve Pliech asked if all of the work that is being done is within the 30% design approved by Council.

Ms. Luckenbach reported that all work is within the approved scope of work.

Councilmember D. Lane moved that the scwd² Desalination Task Force support the staff recommendation on pretreatment selection of dissolved air floatation (DAF) + pressurized micro-filtration or ultra-filtration (MF/UF) and accept as final the draft Technical Memorandum No. 1 titled Pretreatment Process Evaluation with comments incorporated as appropriate. Director B. Daniels seconded.

VOICE VOTE: MOTION CARRIED

AYES: R. Coonerty, B. Daniels, D. Kriege and D. Lane.

NOES: None.

3. Election of Officers

The election of officers will be held in January 2011.

Program Managers' Report

A. Work Schedule

- Dilution Study is complete and will be posted on the website.
- The final report to Department of Water Resources for Pilot Plant grant has been mailed the in invoice for the ~\$200,000 retention has been submitted.
- The EIR scoping meetings were held last week.

B. Upcoming Tasks

- The EIR Project Description -complete mid-February
- Desalination process design (include impacts of Boron Study).
- Hiring consultant for hydraulic modeler
- Landscape Assessment
- Finalize Entrainment Study
- Intake Feasibility Study
- Initiate discussion with PGE regarding energy availability.
- Scope for work for the energy study in January.

C. Additional or Amended Tasks

URS will need further information on construction related impact of the intakes for the EIR.

D. Contacts with Regulatory Agencies/Requests from Regulatory Agencies

General Manager Brown and Water Director Kocher were both named to the CalDesal Board of Directors. Water Director Kocher is on the search committee for an Executive Director.

E. Contracts

No report.

F. Public Outreach Program

The next public meeting is scheduled for February 9, 2011 on Energy Issues. A debriefing meeting was held on the scoping sessions.

G. Budget

No Report.

H. Report of Findings

No Report.

Public Outreach No action was taken on this item.

1. News Article – Santa Cruz Sentinel (11-21-10)
2. News Article – Santa Cruz Sentinel (12-05-10)
3. News Article – Santa Cruz Weekly (12-08-10)
4. News Article – Santa Cruz Weekly (12-08-10)
5. News Article – Santa Cruz Sentinel (12-09-10)

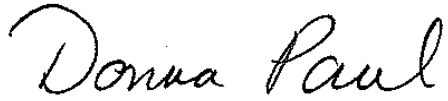
Items Initiated by Members for Future Agendas

No items were initiated.

Adjournment

The meeting was adjourned at 5:53 p.m. until the next regular meeting of the Desalination Task Force scheduled for Wednesday, January 19, 2011 at 4:00 p.m. in the Soquel Creek Water District Board Room, 5180 Soquel Drive. Soquel, California.

Respectfully submitted,

A handwritten signature in cursive script that reads "Donna Paul".

Staff