

AERATION COMMITTEE MEETING Minutes

Place: Port of Stockton East Complex

Date and Time: 1/24/2002, at 2:00 P.M

Participants: Russ Brown, Jones and Stokes

Mike Luksic, Port of Stockton

Frank C. "Bud" Stambach, San Joaquin River Exec. Com.

Jay Jahangiri (Chairman), Port of Stockton

➤ **Jay Jahangiri welcomed all aeration committee members to the meeting and the following meeting agenda was introduced for discussions:**

Meeting Agenda:

- **Detailed Discussions of Jones and Stokes's (J&S) report on aeration technologies/cost-DO efficiency analysis**
- **Need for review and timing of Comments from Committee members on the J&S report**
- **Presentation of J&S's report before the Steering and Technical Committees**
- **Final direction in finalizing the report**
- **Strategizing on scope work/RFP for field implementation/pilot scale tests of selected aeration methods by the end of summer 2002.**
- **Other items/next meeting**

Minutes of the Meeting Discussions:

➤ **Russ Brown provided an overview of the selected aeration technologies that are deemed most feasible for presentation to the Steering Committee. The garden soaker hose/diffusion technologies and the water fans were presented by Russ Brown.**

➤ **A detailed discussion of the angled vertical water fans ensued. Russ Brown described the main objective of such technology as one that breaks the stratified layer/thermocline layer in the river and provides for homogeneity of dissolved oxygen (DO) profiles between the upper and lower layers of the water column. In addition, the water fan technology can**

be used in a tandem with the diffusion technology if determined that the two technologies would provide a synergistic effect in enhancing the DO of the water column.

- It was collectively agreed that all Committee members would provide comments on the Jones and Stokes report to Russ Brown by Friday, Feb 1, 2002.
- Jones and Stokes will finalize the DO technology report by February 28, 2002 by addressing all comments and augmenting a cost/DO enhancement efficiency table to each selected technology.
- All Aeration Committee members felt that it would be important to present the J&S's report to the technical committee and more importantly to the Steering Committee in the March 13, 2002 meeting in order to receive final direction for finalizing the report as the aeration committee members felt that it would be crucial to field implement scaled down pilot demonstrations of the referenced technologies this summer by the end of August, 2002 so the DO information and data gained can be incorporated in the implementation plan.
- All Aeration Committee members felt that it would be important for a scope of work to be developed with a sufficient budget by April 10, 2002 so the foregoing pilot test can be accomplished in time before the TMDL's implementation plan is finalized.
- Aeration Committee members felt that in order to start the field implementation of the referenced aeration technologies in August (worst case DO conditions), all of the above-referenced timelines must be adhered to.
- The meeting was adjourned and the next Aeration Committee meeting is set for the end of March 2002 (to be announced).

Jay R. Jahangiri, M.S., REM ,REA
Port of Stockton
Director of Environmental and Regulatory Affairs
Phone: 209-946-0246 ext. 290
Fax: 209-465-7244
JJahangiri@stocktonport.com