

MEMORANDUM

To: Saqib Shirazi, P.E., Innovative Water Technologies, Texas Water Development Board (TWDB)

FROM: **Bradley Sessions**, Carollo Engineers Inc.

SUBJECT: Brackish Water Desalination Demonstration Project – February 2011

DATE: February 14, 2011

CONTRACT: 1004831105

Recent Project Activities:

The draft Desktop Study Report and Upflow Calcite Contactor Study Protocol were submitted in November 2010.

A review meeting was held on Jan 6, 2011 with Texas Water Development Board (TWDB), United States Bureau of Reclamation (USBR) and Texas Commission on Environmental Quality (TCEQ) to establish the consensus in the approach and understanding of the study. Report comments were submitted, reviewed and discussed during the project meeting.

Issues Encountered:

The carbon dioxide system (TOMCO₂) needed for the Calcite Upflow Contactor pilot study required a 3-month lead time and was ordered in December 2010. The unit will be ready to ship in the beginning of March 2011.

Items to be Addressed and Anticipated Project Activities:

Review comments to the desktop study will be addressed and clarified for submission in the final report.

Test protocol will be updated (if needed) to address concerns raised in the review meeting.

Pilot-Test Equipment:

- A parts-list is currently being assembled for the items needed for the pilot test. Parts will be ordered by end of February
- Manufacturers for calcite samples will be contacted for sample shipment by end of February

