## **Assessment of Osmotic Mechanisms Pairing Desalination Concentrate and Wastewater Treatment**

PREPARED FOR:	Dr. Saqib Shirazi, Texas Water Development Board
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	Dr. Juan Gomez, CH2M HILL
DATE:	Through to May 1 , 2009
TWDB CONTRACT NUMBER:	0804830852

Dear Dr. Shirazi,

Please find attached the project update and invoice for activities up to March 27, 2009. We are currently working to complete Task 1 and Task 2 of our scope of work. Exhibits 1 and 2 summarizes the progress to date and financials for the project. To date, no expenses have been occurred on outside contractor's services or travel. An invoice for the TWDB portion, less retainage, is appended to this report.

Please contact me if you have any questions regarding this progress report.

Sincerely,

Robert P. Huehmer Principal Investigator CH2M HILL 703.376.5143 (direct)

## **PROGRESS REPORT**

## Task 1.

An initial review of desalination facilities in the State of Texas was conducted. This task is substantially complete. A small budget reserve is being maintained.

**Task 2.** CH2M HILL has conducted characterization of the subject water streams using RO proprietary software and OLI Stream Analyzer. The data is ready to transmit to Colorado School of Mines.

**Task 3.** We are working to get the CSM contract in place to conduct their portion of the work. CSM is ready to start testing the required water qualities identified under Task 1 and Task 2, once contract is in place.

**Task 4.**It is anticipated that work will begin in the next period.

**Task 5.**It is anticipated that work will begin in the next period.