

# MEMORANDUM

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

**FROM:** Jesus Leal, P.E., NRS Consulting Engineers, Inc.

**SUBJECT:** North Alamo Water Supply Corporation  
Victoria Road Plant No. 5 RO Brackish Groundwater Desalination Project  
Demonstration Project Grant Contract between the Texas Water Development Board (TWDB) and North Alamo Water Supply Corporation (Corporation);  
TWDB Contract No. 1104831108

**DATE:** March 14, 2012

**CONTRACT:** TWDB Contract No. 1104831108

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**Recent Project Activities:**

In accordance with TWDB contract, North Alamo Water Supply Corporation provides the following update:

Task 2.1 Fiberglass Research and Evaluation

This task has been completed.

Task 2.2 Design/Specifications/Bidding

This task has been completed.

Task 2.3 Test Drilling

This task has been completed.

Task 2.4 Aquifer Evaluation and Recommendations

This task has been completed.

Task 2.5 TCEQ Coordination and Exception Process

This task has been completed.

### Task 3.1 Design/Bid/Phase-Production Well

This task has been completed.

### Task 3.2 Bidding Phase

This task has been completed.

### Task 3.3 Bid Evaluation

This task has been completed.

### Task 4.1 Construction

The Well No.1 with stainless steel is 100% complete. The construction for Well No.2 with fiberglass material began in mid-February 2012. The pilot hole, sand sampling and geophysical logging have been completed. Currently, the hole is being reamed and it is anticipated that the fiberglass casing will be installed during the last week of March 2012. Screen and liner installation is scheduled for completion by the end of March. It is anticipated that the well will be developed and permanent pumping equipment installation will be completed by the end of April.

### Task 4.2 Testing/Monitoring

No Update.

### Task 4.3 Start Up/Operations

No Update.

### Task 4.5 Report

To date, a draft of background sections of the report have been prepared. After the casing is installed and the well completed, drafts of the remaining sections will be prepared. It is anticipated that a draft version of the report can be completed by the end of July 2012. We will be requesting an extension of time.

### **Issues Encountered:**

The contractor encountered difficulties with the construction and development of Well No.1. The project is approximately two months behind schedule. Additionally, delivery of the fiberglass casing was behind schedule. Installation of well No. 2 (fiberglass) is proceeding normally.

**Items to be Addressed and Anticipated Project Activities:**

Well No.1 has been completed and will be in use and interfacing with the RO system by the 3<sup>rd</sup> or 4<sup>th</sup> week of March 2012. We are currently in the process of completing Well No.2 with fiberglass casing and, other than material delivery, are not encountering any significant issues.