

EXHIBIT B

AN INTEGRATED WIND-WATER DESALINATION DEMONSTRATION PLANT FOR AN INLAND MUNICIPALITY

SCOPE OF WORK

Scope of Work, Task Structure and Outcomes The project has been organized into ten tasks to be accomplished over two years. The tasks are described below. The outcomes/deliverables are listed in table form near the end of each task description. Although the detailed task schedule is summarized in Exhibit A (section 3.20 Project Timeline), roughly speaking, the first year is devoted to design and implementation while the second year is devoted to system operation, optimization and performance documentation.

Task 1: Project Management Overall contract administration will be accomplished by the City of Seminole with assistance from Texas Tech. In conjunction with Seminole, Texas Tech will be responsible for project definition, execution, operational monitoring, communication and reporting. The activity of Task 1 spans the planned two-year duration of the project.

Task 2: System Planning and Design The City of Seminole will support Texas Tech and other participants in understanding and documenting the existing water and electrical infrastructure. Using this information, the major components of this project will be sited at the 510-acre parcel located about 2 miles south of Seminole. As described in our 26 August letter, the coordinates of the well site (Table 2) together with two annotated aerial photographs (Fig. 2 and Fig. 3) are reproduced here.

Well Name	Approximate Coordinate Values
Santa Rosa Well Site	32° 40.952'N, 102° 39.973'W
Hancock	32° 40.988'N, 102° 47.056'W
Richardson & Bass	32° 39.935'N, 102° 38.375'W

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This site will allow convenient connection of the purified water to the existing water treatment and distribution systems. On the site, attention will be paid to the layout of component additions that would bring the future system capability to 3 MGD.

The outcome is listed below as 2a. The planned duration of Task 2 is four months.

2a System Layout Defined & Documented



Fig. 2. Image south of Seminole showing the proposed location of the Santa Rosa well.

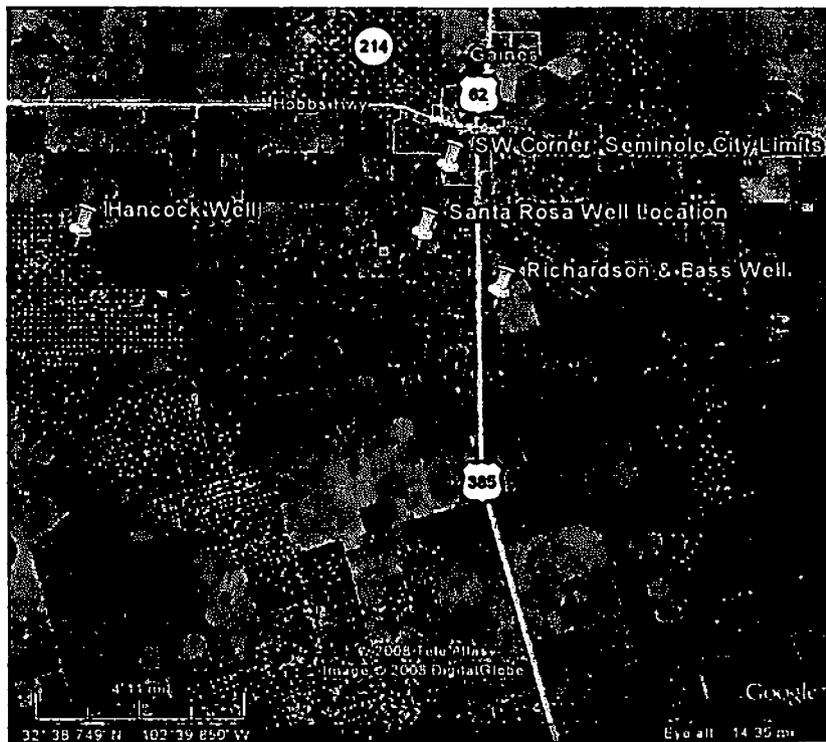


Fig. 3. Image south of Seminole showing the approximate locations of the Hancock and Richardson & Bass wells relative to the proposed Santa Rosa well location.

Task 3: Well Drilling and Characterization Using the available geological and hydrological information together with the requirements for the project, a bid package will be prepared and provided to capable well drillers. As described in our 26 August letter, the test well will be combined with the production well. This reflects the practicalities and associated economics of the drilling process in the Seminole region.

3a	Survey Available Santa Rosa Data
3b	Well Dilling & Characterization Plan
3c	Well Procurement Document Issued
3d	Drilling Contract Let
3e	Test-Production Well Started
3f	Test-Production Well Drilling Completed
3g	Test-Production Well Logging Started
3h	Test-Production Well Logging Completed
3i	Production Well Pump Tests Completed
3j	Santa Rosa Aquifer/Well Results Report
3k	Production Well Ready for Use

With outside hydrologist and well-logging support as needed, the well characteristics will be assessed and documented in a separate report. The Task 3 outcomes are listed below. The planned duration of Task 3 remains unchanged at four months.

Task 4: Wind Turbine Installation and Commissioning The wind turbine location will have been determined as part of Task 2. This task is concerned with the design of the foundation, control and electrical infrastructure. As described in Task 2, this will be done with an eye to future expansion.

- 4a Foundation & Electrical Infrastructure Designed
- 4b Foundation & Electrical Infrastructure Installed
- 4c Wind Turbine Installed, Powered
- 4d Wind Turbine Installation Complete

The planned duration of Task 4 is four months.

Task 5: Pre-Treatment and Infrastructure The Seminole Water and Construction departments working with Texas Tech and a civil engineering firm will design and construct the pre-treatment facility required to treat the Santa Rosa water prior to purification by the RO system. The design and rationale for the design will be documented.

- 5a Pre-Treatment Defined and Designed
- 5b Pre-Treatment Construction Initiated
- 5c Pre-Treatment System Ready for Use

The planned duration of Task 5 is five months.

Task 6: Concentrate Disposal Available methods of treating the concentrate from the RO system will be evaluated as to feasibility, regulatory requirements, initial cost and continuing costs. Assistance and advice will be sought from the TWDB, the Bureau of Reclamation, Sandia and others. Based on our current knowledge, the leading candidates are a lined evaporation pond and deep-well injection.

- 6a Disposal Options Assessed
- 6b Disposal System Designed
- 6c Disposal System Construction Initiated
- 6d Disposal System Construction Completed

The planned duration of Task 6 is five months.

Task 7: Procurement and Installation of RO System The design, bid specification and procurement of the RO system is included in this task. The RO system will be sized based on the annual energy production of the 50 kW wind turbine at Seminole together with the energy requirements of the well lift pump and the RO system. The latter are determined principally by the expected salinity of the brackish Santa Rosa water. Also included is the procurement of the building that will house the RO system, its related infrastructure, control and diagnostic instrumentation.

- 7a RO System Designed & Specified
- 7b RO System Procurement Initiated
- 7c Facilities Building Completed
- 7d RO System Delivered & Accepted

The planned duration of Task 7 is four months.

Task 8: System Integration and Initial Operation This task includes the integration of all components into a functional, operational integrated wind-water system.

8a	Well Integrated with Pre-Treatment System & Tested
8b	Pre-Treatment Integrated with RO System; Tested
8c	RO Connected to Water Distribution System; Tested
8d	Initial Operation & Characterization Completed
8e	Wind Turbine Integrated
8f	Control System Integrated

The planned duration of Task 8 is four months.

Task 9: Routine Operation and Maintenance During this phase, the operating and economic characteristics of the integrated wind-water system will be documented. Changes made with the expectation of improving the operation and economics will be described along with the observed results. Changes beyond the scope or financial

9a	Control System Optimization
9b	Three-Month Operation Achieved
9c	Six-Month Operation Achieved
9d	Twelve-Month Operation Achieved
9e	Two-Year Operation Achieved

resources of the project will be presented as recommendations. The planned duration of Task 9 is 12 months.

Task 10: Documentation, Communication and Reporting The system design, technology content, projected economics and operational issues will be documented,

updated and communicated in several ways as the project progresses to completion. Conventional written reports will be submitted monthly to the TWDB and other sponsors with annual reports documenting the first and second year results. Three special reports will be prepared and submitted. The first on findings characterizing the Santa Rosa aquifer, the second documenting the concentrate disposal system and the third documenting the system design. Oral briefings to TWDB staff, other participants and other interested observers will be provided as requested. The findings and results also will be disseminated in public presentations.

10a	Santa Rosa Aquifer Characterization Report
10b	Disposal System Report
10c	System Design Report
10d	Monthly Status and Operations Report
10e	Annual Status & Operations Report

The activity of Task 10 spans the planned two-year duration of the project.