

## MEMORANDUM

**TO:** File

**FROM:** Jessica Zuba, Director, Regional Water Planning and Development

**DATE:** January 7, 2016

**SUBJECT:** Greater Texoma Utility Authority on behalf of the City of Tom Bean  
Grayson County, Texas  
TWDB Project No. 51002; SWIFT Loan Amt. \$ 1,210,000 (Loan No. L15003)  
Water Well Project  
Environmental Determination

The attached memorandum contains the staff's views regarding the environmental soundness of the Water Well Project proposed by the Greater Texoma Utility Authority on behalf of the City of Tom Bean, Grayson County, Texas. This project will utilize planning, acquisition, design, and construction funds from the State Water Implementation Fund for Texas (SWIFT), Loan No. L15003. The Texas Water Development Board (TWDB) committed this loan on July 23, 2015, in the amount of \$1,210,000. The loan was closed on December 10, 2015.

The proposed project will involve the construction of a water well (approximately 1,500 feet deep, Woodbine Aquifer). The anticipated production is 200 gallons per minute. Associated project components include the construction/installation of a 125,000-gallon ground storage tank, horizontal pumps, chlorination equipment and building, a generator, electrical linework and engineering, a supervisory control and data acquisition system (SCADA), fencing, gravel driveway and parking lot, yard piping, and other appurtenances. The land necessary for this construction will be acquired using funds from this loan (map attached).

Based on staff's environmental review, I have determined that no significant adverse environmental impacts should result from the proposed project discussed in the attached Environmental Determination. As required by 31 Texas Administrative Code §363.14, full consideration has been given to the views and comments of the requisite regulatory agencies and affected persons.

Based on this review, the following conditions have been developed in order to ensure that this TWDB funded project is environmentally sound and will not have any adverse impacts on the quality of the human environment:

- Standard emergency condition for the discovery of cultural resources; and,
- Standard emergency condition for the discovery of threatened and endangered species.

With the addition of these conditions, the specified project elements above are environmentally sound and design funds may be released once all other requirements are satisfied.

## MEMORANDUM

**TO:** Jessica Zuba, Director, Regional Water Planning and Development

**THROUGH:** Luis Farias, Manager, Team 3 – Northeast (Regions C and D)

**FROM:** Kathy Calnan, Environmental Reviewer

**DATE:** January 7, 2016

**SUBJECT:** Environmental Summary  
Greater Texoma Utility Authority on behalf of the City of Tom Bean  
Grayson County, Texas  
Water Well Project  
TWDB Project Number 51002  
SWIFT Loan Amount: \$ 1,210,000 (Loan No. L15003)

Pursuant to the environmental assessment requirements of 31 Texas Administrative Code (TAC) §363.14 of the Texas Water Development Board (TWDB) rules, I have conducted a review of the Water Well Project proposed by the Greater Texoma Utility Authority (Authority) on behalf of the City of Tom Bean (City), Grayson County, Texas. This project will utilize planning, acquisition, design, and construction funds from the State Water Implementation Fund for Texas (SWIFT), Loan No. L15003. The TWDB committed this loan on July 23, 2015, in the amount of \$ 1,210,000. The loan was closed on December 10, 2015. The following information was derived primarily from the Environmental Data Form<sup>1</sup> provided by the Authority.

### Purpose and Need

The City's water supply consists of two wells that produced from the Woodbine Aquifer. Well No.1 produces 120 gallons per minute (gpm) and Well No.3 produces 210 gpm, for a combined capacity of 330 gpm. The City's minimum required supply capacity for 455 connections is 273 gpm. The loss of either existing well would not meet the City's required water supply needs.

### Project Description

The proposed project will involve the construction of a water well to the Woodbine Aquifer, an approximate 1,500-foot total depth. The anticipated production is 200 gpm. Associated project components include the construction/installation of a 125,000-gallon ground storage tank, horizontal pumps, chlorination equipment and building, a generator, electrical linework and engineering, a supervisory control and data acquisition system (SCADA), fencing, gravel driveway and parking lot, yard piping, and other appurtenances. The land necessary for this construction will be acquired using funds from this loan (map attached).

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<sup>1</sup> Greater Texoma Utility Authority / City of Tom Bean (December 2015). *Environmental Data Form (TWDB-800 Form): Greater Texoma Utility Authority / City of Tom Bean, City of Tom Bean Water Well Construction Project.*

### Reviews by Regulatory Agencies:

#### Texas Parks and Wildlife Department and U.S. Fish and Wildlife Service

The Texas Parks and Wildlife Department (TPWD) Wildlife Habitat Assessment Program reviewed the proposed project and provided a response dated August 28, 2015 (TPWD Project Number 34928), indicating no significant adverse impacts to rare, threatened or endangered species, or other fish and wildlife resources were anticipated.

The U.S. Fish and Wildlife Service (USFWS) provided a response dated July 15, 2015 (Consultation No. 02ETAR00-2015-SLI-0636). The letter included a list of the 4 threatened or endangered (federal listing) species (all bird species) that are known to occur in the county (i.e., least tern, piping plover, red knot, and whooping crane) and noted that no *critical habitats* were located within the project area. The letter indicated that a consultation was not needed unless the project may adversely affect federally protected species. Based on the review by TPWD, TWDB did not require additional consultation with the USFWS.

The loan is conditioned to read that if threatened or endangered species happen to be encountered during construction activities, work will cease immediately and the City or Authority will notify TWDB staff, TPWD, and the USFWS. Subsequent to notification, mitigation measures will be taken in accordance with the Endangered Species Act of 1973, as amended.

#### Texas Historical Commission

The Texas Historical Commission (THC) reviewed the proposed project in accordance with the Antiquities Code of Texas and in a response dated August 5, 2015, concluded that the project will have no adverse effects on cultural resources and that the project may proceed. A THC tracking number was not provided.

The loan is conditioned to read that if archeological sites are discovered during construction, work will cease immediately in that area and the City or Authority will notify the THC and the TWDB of the discovery. The THC and the TWDB will then proceed in accordance with the regulations of the Advisory Council on Historic Preservation (36 CFR Part 800) prior to taking any action which would affect the cultural resources.

Because the project will not be located in a floodplain, coordination with the Local Floodplain Administrator (National Flood Insurance Program) was not required. In addition, although the Authority did not coordinate with the U.S Army Corps of Engineers (USACE), a review of the project indicated that the proposed site is in an upland location with no apparent streams or other potential waters of the U.S.; therefore, coordination with the USACE was not required.

### Conditions and Recommendation

Full consideration has been given to the views and comments of the requisite regulatory agencies and affected persons. Based on a detailed environmental review consistent with 31 TAC §363.14, the following conditions have been developed in order to ensure that this TWDB

funded project is environmentally sound and will not have any adverse impacts on the quality of the human environment:

- Standard emergency condition for the discovery of cultural resources; and,
- Standard emergency condition for the discovery of threatened and endangered species.

With the addition of these conditions, I recommend that the Executive Administrator find the specified project elements above to be environmentally sound and that acquisition, design, and construction funds be released once other requirements are satisfied.

