



NORTH TEXAS MUNICIPAL WATER DISTRICT

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WATER COMMITTEE MEETING MINUTES SEPTEMBER 22, 2021

The Presiding Officer will be present at the meeting location, the NTMWD Administrative Offices, 501 E. Brown Street, Wylie, Texas 75098, with two-way video and audio communication between Board members participating by videoconference, establishing a quorum. The public may attend the meeting in person at the meeting location. Audio and video of Board members participating by videoconference will be visible to members of the public in attendance at the meeting location. The meeting will be recorded, and the audio recording will be available on the NTMWD website after the meeting.

Members of the public wishing to listen to live audio from the meeting may do so by calling in at (469) 210-7159 or toll free (844) 621-3956 and entering the following access code: 928 587 040. Please note this line will not provide for two-way communication and public comment at the meeting must be made in person at the meeting location.

I. CALL TO ORDER

Vice-Chairman David Hollifield served as the Presiding Officer and called the meeting of the North Texas Municipal Water District (NTMWD) Water Committee to order at 1:00 p.m. on Wednesday, September 22, 2021. The meeting was held with two-way video and audio communication between Board members participating by videoconference, establishing a quorum. General instructions were provided to attendees. Any reference to unanimous votes refers to a unanimous vote of the Committee members present.

The following Water Committee members were present; therefore, a quorum was present.

	Water Committee Members	Attendance
1	Terry Sam Anderson	Remote
2	Kalen Boren	Remote
3	Don Gordon	Remote - 1:12 p.m.
4	David Hollifield	Present
5	Chip Imrie	Remote
6	James Kerr	Remote - 1:22 p.m.
7	Keith Stephens	Absent

Members of the Executive Committee were present as well as other Board members and members of the NTMWD management team. Lauren Kalisek with Lloyd Gosselink Rochelle & Townsend attended via videoconference.

I. PUBLIC COMMENTS

Prior to the start of the meeting, speakers must complete and submit a "Public Comment Registration Form." During the public comment portion of the meeting, speakers will be recognized by name and asked to provide their comments. The time limit is three (3) minutes per speaker, not to exceed a total of thirty (30) minutes for all speakers. The Committee may not discuss these items but may respond with factual or policy information.

There were no requests for public comments.

II. OPENING REMARKS

- A. Chairman/Executive Director/Committee Champion Status Report concerning legislation and regulatory matters, budgets, current projects and ongoing programs of the District including the Regional Water System, Watershed Protection, and Water Conservation

Deputy Director Billy George advised that Ad Memo 5760 requesting additional engineering services in the amount of \$161,930 for final design associated with pipeline relocations to accommodate TxDOT's widening of Interstate 30 is not included on today's Water Committee agenda because it is the continuation of an effort that was acted on last month and authorizes the next phase of final design.

Mr. George advised the District hosted a Partnering Meeting with Member and Customer staffs on September 15, 2021. Major updates included major capital improvements planned for FY22, water quality updates for treated water and information related to ongoing wastewater system projects. A working group meeting with regional water educators is scheduled for October.

Mr. George advised there is a discussion item on the Real Estate Committee meeting this month to inform and gain input from the Committee on development-related matters surrounding Bois d'Arc Lake. Staff will be focusing mostly on adjacent planned communities and the path forward on soliciting interest in a first marina on the lake.

Mr. George advised that on August 27, 2021, approximately 1,000 gallons of water treatment residuals were released onto the ground and subsequently cleaned up during residuals removal operations by a NTMWD's contractor. The spill was reported to the TCEQ who conducted a site visit on September 7th. TCEQ declared the spill resolved after the site visit.

III. ACTION ITEMS

- A. Consider approval of Water Committee meeting minutes – August 25, 2021

Upon a motion by Director Chip Imrie and a second by Director Terry Sam Anderson, the Water Committee voted unanimously to approve the minutes for August 25, 2021.

B. Authorize encroachment and use agreement with the John Bunker Sands Wetland Center Inc. - Consent Agenda Item No. 21-09-08

- Consider recommendation on authorizing an encroachment and use agreement between NTMWD and John Bunker Sands Wetland Center to allow for the placement of an On-Site Sewage Facility on NTMWD property at the East Fork Wetlands

Assistant Deputy Galen Roberts presented this item. He advised this item is to recommend authorizing execution of an Encroachment and Use Agreement with the John Bunker Sands Wetland Center (JBSWC) Inc.

Mr. Roberts explained that JBSWC is currently constructing an expansion to their education center which requires construction of a new On-Site Sewage Facility. The JBSWC has requested to place the new system on unused NTMWD property adjacent to the education center expansion. Mr. Roberts advised the system will be an aerobic system consisting of septic tanks, piping and a spray field. It will occupy an area of approximately .6 acres. The JBSWC will bear all costs, responsibility for construction, operation and maintenance of the system. A site map was provided. Mr. Roberts added that on October 23rd the JBSWC is holding its annual Wings Over the Wetlands event.

A question was raised as to the distance between the aeration system and the outdoor stage area. Director Terry Sam Anderson advised it is further than it appears on the map.

Upon a motion by Director Terry Sam Anderson and a second by Director Chip Imrie, the Water Committee voted unanimously to recommend approval to the Board of Directors.

C. Authorize execution of joint funding agreement with the United States Geological Survey for Zebra Mussel Monitoring - Consent Agenda Item No. 21-09-09

- Consider recommendation on authorizing execution of a joint funding agreement between NTMWD and the United States Geological Survey in the amount of \$187,000 for continuation of zebra mussel monitoring program

Galen Roberts presented this item. He advised this item is to recommend authorizing execution of a Joint Funding Agreement with the United States Geological Survey for continuation of zebra mussel monitoring program. He advised this program proactively monitors for the presence of zebra mussels at Lake Texoma, Bois d'Arc Lake, Lavon Lake, Sister Grove Creek, City of Sherman Water Treatment Plant, NTMWD Wylie Water Treatment Plant, and the Lake Texoma Water Transfer Pipeline in order to perform proactive operations, planning, and maintenance activities.

Mr. Roberts reviewed the background of the zebra mussel issue that began in 2009 in Lake Texoma. The zebra mussels have also been detected in the Lavon Lake watershed. The District has partnered with the United States Geological Survey (USGS) to monitor and inspect for zebra mussels. He advised that the District is also working with the Texas Parks and Wildlife Department to help prevent the spread of zebra mussels into Bois d'Arc Lake. Those activities include "clean, drain, and dry" signage at public boat ramps, as well as education and outreach activities.

Mr. Roberts advised that the District's contribution to this Joint Funding Agreement is \$187,000 and the USGS contribution is \$42,000.

In response to a Director's question, Mr. Roberts advised that there are no plans for the District to provide personnel at the boat ramps to monitor compliance.

In response to a Director's question regarding the cost allocation, Mr. Roberts advised this program is being done at the District's request and the amount of funding available from the USGS is determined by the United States Government. The amount varies from year to year.

Upon a motion by Director Chip Imrie and a second by Director Don Gordon, the Water Committee voted unanimously to recommend approval to the Board of Directors.

D. Authorize execution of joint funding agreement with the United States Geological Survey for Surface Water Data Collection and Water Quality Monitoring - Consent Agenda Item No. 21-09-10

- Consider recommendation on authorizing execution of a joint funding agreement between NTMWD and the United States Geological Survey in the amount of \$137,705 for surface water data collection and water quality monitoring

Galen Roberts presented this item. He advised this item is to recommend authorizing execution of a Joint Funding Agreement with the United States Geological Survey (USGS) for surface water data collection and water quality monitoring. He advised that stream flow, lake elevation and water quality data are necessary to comply with the Texas Commission on Environmental Quality (TCEQ) Water Right Permit and U.S. Army Corps of Engineers 404 Permit for Bois d'Arc Lake.

Mr. Roberts reviewed that NTMWD has partnered with USGS since 2006 to collect stream flow and water quality data on Bois d'Arc Creek. These data have been critical to planning and construction activities for Bois d'Arc Lake. The TCEQ Water Right for Bois d'Arc Lake requires NTMWD to continue to monitor Bois d'Arc Creek and also monitor water surface elevations on Bois d'Arc Lake post-construction. The necessary stream gages and water quality instruments on Bois d'Arc Creek are currently in place. The FY22 joint funding agreement with USGS will facilitate continued operation of these instruments as well as a new instrument to measure Bois d'Arc Lake water surface elevation.

Mr. Roberts advised that the USGS is responsible for the installation, operation and maintenance of a reservoir elevation gage on Bois d'Arc Lake. Mr. Roberts provided the locations of the streamflow gages and the water quality monitoring instruments on Bois d'Arc Creek. Mr. Roberts advised that the District's contribution to this agreement is \$137,705 and the USGS contribution is \$18,520.

Upon a motion by Director Chip Imrie and a second by Director James Kerr, the Water Committee voted unanimously to recommend approval to the Board of Directors.

E. Authorize award of construction contract and internal inspection services for the Tawakoni Water Treatment Plant - Administrative Memorandum No. 5758

- Consider recommendation on authorizing award of construction contract with Heritage Constructors, Inc. in the amount of \$9,480,000, and authorizing internal inspection services costs of \$273,000 for Project No. 101-0548-19, Bonham and Tawakoni Water Treatment Plant Improvements

Engineering Manager Jeff Ray presented this item. He advised this item is to recommend authorizing award of a construction contract and internal inspection services for the Tawakoni Water Treatment Plant Improvements. He reviewed that the Tawakoni Water Treatment Plant Improvements and the Bonham Water Treatment Plant were designed under a common design effort. Separate construction contracts are being recommended due to the expected variations in scheduling and construction constraints.

Mr. Ray reviewed the key elements of Tawakoni Water Treatment Plant contract as follows:

- Emergency generators
- Chemical systems cleanup
- Metering, electrical, SCADA systems cleanup
- Crack repair in certain basins
- Reconfiguration of Ozone Cooling Water System

Mr. Ray advised that two bids were received on this project. Staff is recommending the bid be awarded to Heritage Constructors in the amount of \$9,480,000. The Engineer's Opinion of Probable Cost Construction Cost is \$9,723,000. Mr. Ray noted that Heritage Constructors has not done work for the District previously however has done similar work for other entities.

Upon a motion by Director Terry Sam Anderson and a second by Director Chip Imrie, the Water Committee voted unanimously to recommend approval to the Board of Directors.

F. Authorize award of construction contract and internal inspection services for the Bonham Water Treatment Plant – Administrative Memorandum No. 5759

- Consider recommendation on authorizing award of construction contract with Eagle Contracting, LP in the amount of \$5,327,000, and authorizing internal inspection services costs of \$278,900 for Project No. 101-0548-19, Bonham and Tawakoni Water Treatment Plant Improvements

Engineering Manager Jeff Ray presented this item. He advised this item is to recommend authorizing award of a construction contract and authorize internal inspection services for the Bonham Water Treatment Plant Improvements project. He reviewed that the Bonham Water Treatment Plant Improvements and the Tawakoni Water Treatment Plant Improvements were designed under a common design effort.

Mr. Ray reviewed the key elements of Bonham Water Treatment Plant contract as follows:

- Emergency generators at the Raw Water Intake, Treatment Plant and High Service Pump Station
- Lime feed and mixing at Filter Control Structure
- Chemical systems cleanup; addition of pipe trenches
- Crack repair in certain basins
- Updates to HMI System and certain program logic controllers

Mr. Ray advised that three bids were received for this project. Staff is recommending Eagle Contracting in the amount of \$5,327,000. The Engineer's Opinion of Probable Construction Cost is \$5,757,400. Eagle Contracting has done work for the District previously. A site map was provided. The internal inspection services cost of \$278,000 is included in this item.

Upon a motion by Director James Kerr and a second by Director Chip Imrie, the Water Committee voted unanimously to recommend approval to the Board of Directors.

IV. DISCUSSION ITEMS

A. 72-inch Texoma Pipeline Section I failure update

Hunter Stephens, Water Transmission Manager, presented this item. Mr. Stephens provided a review of the pipeline failure that occurred August 31st that affected the NTMWD, the City of Sherman and the Panda Power Plant (as a customer of the City of Sherman.) The pipeline is jointly owned by the NTMWD and the Greater Texoma Utility Authority, and the repair cost will be shared by both. Mr. Stephens advised the location of the failure was two miles north of the City of Sherman in a rural area.

Mr. Stephens advised that the City of Sherman used conservation measures during the repair and the Panda Power Plant had ample storage during the 48-hour repair period. The pipeline was returned to service on September 3, 2021.

Mr. Stephens reviewed that the pipeline was installed in 1988 and underwent a condition assessment in May 2021. He added that the failed Section I was previously inspected in 2009, and eight segments with broken wire wraps were identified. The May 2021 inspection indicated no change to those segments and identified one additional segment with five broken wire wraps. Mr. Stephens advised that an acoustic inspection is scheduled for the pipeline.

In response to a Director's question, Mr. George advised that the life expectancy of a pipeline is 50-70 years and possibly longer depending on conditions.

In response to a Director's question, Mr. Stephens responded that pipeline depth varies, however 4-5 feet is average.

In response to a Director's question, Mr. George responded that there is a schedule that includes specific pipelines for inspection each year.

Mr. George advised that results of the May 2021 condition assessment and the upcoming acoustic inspection should be ready to present to the Committee in early 2022.

- B. Opportunity for Committee members to provide feedback on Water Committee meeting

Director Anderson inquired when the photo on the first slide included in the presentation was taken. Mr. George responded that it was taken in the August timeframe. Director Gordon inquired whether the increasing cost of chemicals has been anticipated in the budget. Mr. George responded that it was accounted for in the budget.

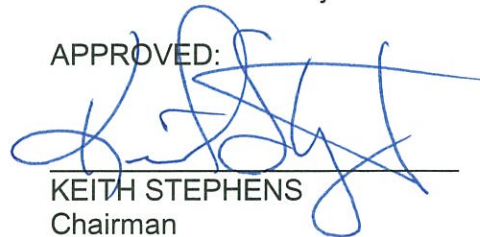
- C. Opportunity for Committee members to request potential future agenda items

There were no requests for potential future agenda items.

V. ADJOURNMENT

There being no further business, the meeting of the Water Committee adjourned at 2:07 p.m.

APPROVED:



KEITH STEPHENS
Chairman