



**NORTH TEXAS MUNICIPAL WATER DISTRICT
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**WASTEWATER COMMITTEE MEETING MINUTES
WEDNESDAY, MARCH 24, 2021**

I. CALL TO ORDER

Chairman Richard Peasley called the meeting to order at 1:01 p.m. on Wednesday, March 24, 2021. The meeting was conducted by teleconference. Chairman Peasley provided general instructions to the attendees.

In accordance with the COVID-19 public health threat and the related March 16, 2020, action by the Office of the Governor, temporarily suspending certain provisions of the Texas Open Meetings Act, NTMWD will hold its meeting by telephonic conference call.

In lieu of physical attendance, the public may teleconference in to meeting by calling toll free (1) (844)-621-3956 and entering the following access code: 928 587 040. Members of the public wishing to make public comment during the meeting should follow the instructions for on-line registration listed under Item II. below no later than the start time of the meeting. The meeting will be recorded, and the audio recording will be available on the NTMWD website after the meeting.

Assistant Deputy Jenna Covington called the roll and confirmed teleconference attendance of the Wastewater Committee members including Chairman Richard Peasley, Directors John Carr (1:06 p.m.), George Crump, David Hollifield, James Kerr, John Murphy and Marlo Obera. Any reference to a unanimous vote refers to a unanimous vote of the Committee members present.

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, and Lewis Isaacks with Saunders Walsh & Beard were present via teleconference.

II. PUBLIC COMMENTS (FOR TELECONFERENCE COMMITTEE MEETINGS ONLY)

INSTRUCTIONS FOR PUBLIC COMMENT ON-LINE REGISTRATION: Prior to the start of the Wastewater Committee meeting, members of the public wishing to provide public comment must submit via email to PublicRelations.Info@ntmwd.com their first and last name, organization, comment topic, mailing address and email address. During the public comment portion of the meeting, speakers will be recognized by name and asked to provide their comments. The time limit is five (5) 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. Public comment is provided for committee meetings held by teleconference during the COVID-19 health threat to confirm the opportunity for two-way communication with the public during the meeting.

There were no public comment requests.

III. OPENING REMARKS

A. Chairman/Interim Executive Director/Committee Champion Status Report concerning legislation and regulatory matters, budgets, current projects and ongoing Wastewater System programs of the District

Assistant Deputy Jenna Covington briefly reviewed the agenda items. She also advised that there were two regionalization agreements recently signed by the Interim Executive Director. She reviewed that the NTMWD is a designated Regional Wastewater provider and as such monitors all Texas Pollutant Discharge Elimination System (TPDES) permit applications submitted to TCEQ in order to protect the environment and watershed. Applicants are encouraged to seek a regional solution with existing members or customers versus building new, smaller wastewater treatment plants. If a regional solution is not available, applicants are asked to sign these agreements which allow them to build the initial phase of a small WWTP, then come back to the District when considering building the second phase and see if regional service is available. A statement is actually put into the TCEQ permit that the applicant must come back to NTMWD before building the next phase of the WWTP. Two entities who filed permit applications where current regional service is unavailable are:

- PT Six Limited Texas Partners for a WWTP located on the North Side of Van Alstyne ETJ for a PH I 0.27 MGD WWTP
- Far East Lavon Partners for a WWTP located on the far Eastern side of Lavon for a PH I 0.45 MGD WWTP

Interim Executive Director Rodney Rhoades added that a study will be done later this year regarding the regional service area.

Ms. Covington reviewed that the District operates in accordance with its regulatory requirements. When there are deviations, those are reported in accordance with requirements. During recent winter storms the Governor suspended rules to allow public utilities to seek enforcement discretion. Staff is working with the District's attorneys to seek this discretion. During this time a TCEQ investigator visited the site of an alleged violation. The District received a letter indicating the alleged violation is resolved and enforcement action will not be initiated.

Ms. Covington advised that there have been some recent questions regarding land application of sludge. She clarified that sludge from all WWTPs is disposed of by landfilling and is not land applied, and that the Wylie WTP residuals are land applied in accordance with all regulations.

Ms. Covington advised that today's discussion items are future agenda items.

IV. ACTION ITEMS

- A. Consider Approval of Wastewater Committee meeting minutes – February 24, 2021

Upon a motion by Director David Hollifield and a second by Director George Crump, the Wastewater Committee voted unanimously to approve the February 24, 2021 Wastewater Committee meeting minutes.

- B. **Authorize execution of inspection services agreement on North McKinney Interceptor Improvements and Richardson Spring Creek Trunk Sewer Improvements Inspection projects – Consent Agenda Item No. 21-03-08**

- Consider recommendation on authorizing the Interim Executive Director to execute an inspection services agreement with Ace Pipe Cleaning, Inc., in the amount of \$321,150 on Project No. 501-0590-21, North McKinney Interceptor Improvements, Phase II, Texas Commission on Environmental Quality Re-inspection and Richardson Spring Creek Trunk Sewer Improvements Inspection

Scott Hoelzle, Wastewater Conveyance System Manager, presented this item. He advised this item is to consider authorizing an agreement for pipeline inspection services for the North McKinney Interceptor Improvements, Phase II, TCEQ Re-inspection and Richardson Spring Creek Trunk Sewer Improvements Inspection.

Mr. Hoelzle provided background, saying that the North McKinney Interceptor Improvements, Phase II included cured-in-place pipe (CIPP) rehabilitation for the existing 27-inch and 36-inch pipe. Per TCEQ Chapter 217.69 (b)(5), the rehabilitation project must be inspected 18 months after installation. This inspection is to fulfill this TCEQ requirement.

The Richardson Spring Creek Trunk Sewer was inspected in FY17. This inspection identified several areas of concern for potential improvements; however, it was decided by Engineering and Operations to re-inspect at a later date to see if the areas have continued to deteriorate or if repairs can be further delayed. The purpose of this re-inspection is to confirm the remaining useful life of the pipe and validate locations of needed improvements. Location maps for the North McKinney Interceptor and the Richardson Spring Creek Trunk Sewer were provided.

Upon a motion by Director John Carr and a second by Director Marlo Obera, the Wastewater Committee voted unanimously to recommend approval to the Board of Directors.

- C. **Authorize execution of Amendment No. 7 to the Construction Manager At-Risk Agreement on Sister Grove Water Resource Recovery Facility project – Administrative Memorandum No. 5711**

- Consider recommendation on authorizing the Interim Executive Director to execute Amendment No. 7 to the Construction Manager At-Risk Agreement with Garney Companies, Inc., in the amount of \$26,853,233.03 for partial Guaranteed Maximum Price No. 6 and change to the substantial and final completion dates on Project No. 301-0426-16, Sister Grove Regional Water Resource Recovery Facility

Engineering Manager Bret Ellis presented this item. He advised the CMAR has submitted a partial Guaranteed Maximum Price No. 6 for construction of work packages including construction staking, erosion control, clearing and grubbing, potable waterline, open cut pipeline installation, and outfall structure construction. A change to the substantial and final completion dates are recommended to account for Texas Water Development Board funding reviews. A site map for the Sister Grove Regional Water Resource Recovery Facility was provided. Mr. Ellis noted the location of the outfall pipeline.

Mr. Ellis reviewed the components of GMP No. 6 that includes final bid packages for Phase I of the project. Included are final allowances for special easement conditions, the North Collin Special Utility District waterlines, fiber optic line for business and SCADA connectivity, site security, and expansion of the primary clarifier splitter box. The bid package amounts for each component were provided. The revised substantial completion date is December 30, 2023, and the revised final completion date is March 4, 2024.

Upon a motion by Director George Crump and a second by Director John Carr, the Wastewater Committee voted unanimously to recommend approval to the Board of Directors.

V. DISCUSSION ITEMS

A. Sister Grove Regional Water Resource Recovery Facility update

Bret Ellis presented this item. Mr. Ellis provided a site map and construction photos. A financial overview was provided. Deputy Director Cesar Baptista offered his comments on the project.

B. Review Muddy Creek Wastewater Treatment Plant Peak Flow Storage and Expansion engineering services agreement

Bret Ellis presented this item. Mr. Ellis reviewed that that the Muddy Creek Wastewater Treatment Plant was originally constructed for a capacity of 5 million gallons per day (MGD) and was expanded to 10 MGD in 2008 with a peak two-hour capacity of 30 MGD to serve the cities of Murphy and Wylie. The historical flow trends indicate the annual average daily flow has surpassed 75 percent of the 10 MGD capacity which triggers engineering and financial planning for expanding the facility.

Mr. Ellis advised that a comprehensive master plan for the facility began in 2019 and included a condition assessment, development and evaluation of conceptual alternatives, and CIP and site master planning. A draft master plan was submitted

in January 2021 with recommendations to proceed with preliminary design of an expansion to 12.5 MGD, peak flow improvements and other regulatory and operational improvements. A graph of historical and projected flows was provided.

Mr. Ellis advised that the preliminary engineering will include improving reliability in meeting permit requirements as the first priority, and secondly will include improvements necessary to expand the facility to 12.5 MGD. Services will include stakeholder coordination and meetings, alternative evaluations and modeling, a preliminary design report, 30 percent drawings and an opinion of probable construction cost; a survey, geotechnical evaluation, and a floodplain analysis. He reviewed the components included in the planning level construction cost estimate of \$65 million.

C. Review Upper East Fork Interceptor System 2022 Rehabilitation and Improvements engineering services agreement

Bret Ellis presented this item. He noted this is the second year NTMWD has initiated a capital project based on the findings for the Wastewater Operations Condition Assessment Program (CAP) for the Upper East Fork Interceptor System. He advised this program is to perform a system-wide assessment and inspection of a minimum of 10 percent of the wastewater system annually on a 10-year cycle.

Mr. Ellis advised that CAP identified several assets and locations for rehabilitation and improvements. The goals of this program are to extend the useful life of assets, reduce inflow and infiltration, improve operations and maintenance, and minimize the potential of sanitary sewer overflows.

Mr. Ellis advised that three consultants were interviewed, and staff selected BGE, Inc. for the final engineering design services which will consist of rehabilitation improvement to the Upper East Fork Interceptor System select segments, manholes, and force mains. He added that the planning level construction cost is estimated at \$7.6 million for the identified rehabilitations.

D. Review Contracted Project Management Service Agreement renewal

Bret Ellis presented this item. He reviewed that in May 2020 the District contracted with Kimley Horn to supplement the current engineering staff with a part-time experienced project manager for the Buffalo Creek Interceptor System and the Mustang Creek Interceptor System. The contract was for one year and expires on April 30, 2021, with a provision for a one-year extension. Staff is requesting the one-year extension.

E. Wastewater System Asset Management Program update

Joel Nickerson, Asset Risk Manager for Wastewater, presented this item. He briefly reviewed the lifecycle of an asset and advised that Wastewater's focus is on maintenance and reliability.

Mr. Nickerson provided a detailed overview of how the District identifies and documents preventative maintenance measures. He noted that such detail is

needed in order to determine the expected life of an asset. Mr. Nickerson reviewed that over the past few years the emphasis on preventative maintenance has resulted in an increase from 28 percent in 2018 to 41 percent in 2020 in total work order time dedicated to preventive maintenance.

Mr. Nickerson reviewed the initiatives being taken regarding pipelines, electrical equipment, maintenance planning and scheduling, and work order tracking. He also provided an overview of how the District's assets are numerically identified, and the risk scoring methodology being used on each asset.

Mr. Nickerson advised that the District's emphasis on preventative maintenance is reducing emergency and repair work and increasing maintenance productivity. Maintenance histories and risk scoring are benefiting the District by helping to guide decisions.

Several Directors spoke positively regarding the presentation.

- F. Opportunity for Committee members to provide feedback on Wastewater Committee meeting

Several Directors commended Joel Nickerson for his efforts in the area of risk management and his presentation.

- G. Opportunity for Committee members to request potential future agenda items
(No substantive discussion of items will take place at this time)

There were no potential future agenda items requested. Chairman Peasley advised he will discuss the possibility of resuming facility tours with Interim Executive Director Rodney Rhoades. Director Carr inquired whether there would be a Wastewater meeting held in April. Ms. Covington responded that right now there are no plans to hold an April meeting.

VI. ADJOURNMENT

There being no further business, the meeting of the Wastewater Committee was adjourned at 2:16 p.m.

APPROVED:


RICHARD PEASLEY
Chairman