



**NORTH TEXAS MUNICIPAL WATER DISTRICT**  
**501 E. Brown Street • Wylie, Texas 75098**  
**(972) 442-5405 – Phone • (972) 295-6440 – Fax**

**WASTEWATER COMMITTEE MEETING MINUTES**  
**JUNE 22, 2022**

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

Chairman George Crump served as the Presiding Officer and called the meeting of the North Texas Municipal Water District (NTMWD) Wastewater Committee to order at 1:00 p.m. on Wednesday, June 22, 2022. General instructions were provided to attendees. Any reference to unanimous votes refers to a unanimous vote of the Committee members present.

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

	<b>Wastewater Committee Members</b>	<b>Attendance</b>
1	George Crump, Chair	Present
2	Robert Appolito	Absent
3	Marvin Fuller	Remote
4	John Murphy	Absent
5	Lynn Shuyler	Remote
6	Jody Sutherland	Remote
7	Larry Thompson	Remote

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Members of the Executive Committee were present as well as other Board members. Executive Director Jenna Covington and other members of the NTMWD management team were in attendance.

The following consultants participated by videoconference:

- Lauren Kalisek – Lloyd Gosselink Rochelle & Townsend

## II. 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 comment.

## III. OPENING REMARKS

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

Deputy Director Billy George reviewed the following:

- Mike Helms was recently recognized as Educator of the Year by the Texas Water Utility Association for the job he has done as the Wastewater Training and Development Manager. Mr. George advised that due to his success in this role he has been promoted to this position for the Water personnel as well.
- Attorney Mark Walsh will hold an Executive Session with the full Board tomorrow regarding the 121 Force Main litigation matter. This is not on today's Wastewater agenda.
- Mr. George expressed appreciation to this outgoing Committee for the work they have done over the past year. Executive Director Jenna Covington also expressed her appreciation.

## IV. ACTION ITEMS

- A. Consider Approval of Wastewater Committee meeting minutes – April 27, 2022

Upon a motion by Director Marvin Fuller and a second by Director Lynn Shuyler, the Wastewater Committee voted unanimously to approve the meeting minutes for April 27, 2022.

**B. Authorize ratifying the execution of Agreed Order and Supplemental Environmental Project (SEP) with the Texas Commission on Environmental Quality (TCEQ) – Administrative Memorandum No. 5844**

- Consider recommendation on authorizing the ratification of the Executive Director's execution of an Agreed Order and SEP with the TCEQ in the amount of \$136,350 relating to events at the Wilson Creek, Rowlett Creek and Floyd Branch Regional Wastewater Treatment Plants, and the North Garland Pipeline under Crystal Mountain Drive in Richardson, Texas

Scott Hoelzle, Wastewater Conveyance System Manager presented this item. He reviewed that this matter was discussed with the Committee in May 2021. He explained that a TCEQ Agreed Order constitutes an enforcement action for violations of the Texas Water Code and Commission Rules. The Executive Director's signed the initial Agreed Order by the required return date which did not provide an opportunity for Board review. Therefore, this item is to request ratification of the Executive Director's actions.

This Agreed Order requires NTMWD to complete a SEP with a total minimum dollar amount set to the value of the fine. The total amount of the enforcement action is \$136,350 which is the sum of enforcement amounts for all four facilities including:

Wilson Creek RWWTP enforcement amount:	\$ 71,400
Rowlett Creek RWWTP enforcement amount:	\$ 27,300
Floyd Branch RWWTP enforcement amount:	\$ 28,350
North Garland Pipeline enforcement amount:	\$ 9,300

These violations occurred between April 2018 and January 2019.

Mr. Hoelzle advised that NTMWD staff in conjunction with the District's Legal Counsel negotiated this Agreed Order with TCEQ in lieu of a fine. The District selected a polymer optimization project at the Floyd Branch RWWTP as the SEP. He advised that once the SEP is ratified by the Board of Directors and the TCEQ Commission, NTMWD will have 190 days to complete the activity. He noted, however, that additional time to complete the project will be requested.

Chairman Crump commended staff for their efforts on this matter.

Director Larry Thompson inquired about the history of the violations. Mr. Hoelzle responded that several overflows occurred under different circumstances including wet weather events, equipment failures, power outages, and construction. Mr. George added that it is standard procedure to review and take corrective action, and that is discussed with TCEQ. He noted that more specific information is included in the Board of Directors Agenda Memo.

Director Geralyn Keever asked about the benefits of this project. Mr. Hoelzle responded that the District has been converting wastewater treatment plant systems to emulsion polymer. It is more efficient and allows the sludge to be

dewatered more effectively and reduces chemical costs. He noted that some equipment changes need to be made during this process.

Upon a motion by Director Marvin Fuller and a second by Director Lynn Shuyler, the Wastewater Committee voted unanimously to recommend approval to the Board of Directors.

**C. Authorize execution of an amendment to the Construction Manager At-Risk (CMAR) for the South Mesquite Creek Regional Wastewater Treatment Plant Peak Flow Management and Expansion project - Administrative Memorandum No. 5843**

- Consider recommendation on authorizing the Executive Director to execute the first amendment to the CMAR agreement with Archer Western Construction, LLC in the amount of \$11,944,463.24 for partial Guaranteed Maximum Price No. 1 for construction of work packages including early peak flow material procurement and influent Pump Station No. 3 site preparation for Project No. 301-0525-18, South Mesquite Creek Regional Wastewater Treatment Plant Peak Flow Management and Expansion

Assistant Deputy Mark Simon presented this item. He reviewed that this funding recommendation is for Amendment No. 1 to the CMAR Agreement for South Mesquite Creek Regional Wastewater Treatment Plant Peak Flow Management and Expansion project.

Mr. Simon advised that Flow Monitoring studies show that the South Mesquite Creek Regional Wastewater Treatment Plant (RWWTP) has influent flows higher than its rated wet weather capacity of 82.5 MGD (million gallons per day). Additionally, the Capacity Assessment Study of the southern service area show the South Mesquite Creek RWWTP needs to expand from 33 MGD to 41 MGD average daily flow by 2026 to meet the growth projections through 2033.

Mr. Simon advised that the project is divided into three (3) parts:

- Early Peak Flow Relief to allow 3 million gallons of peak flow storage in abandoned secondary clarifiers. [GMP Nos. 1 & 2 – Jul/Oct 2022]
- Peak Flow Improvements including additional influent lift station, headworks and new peak flow basins. [GMP Nos. 3 & 4 – Mar/Jul 2023]
- Expansion to 41 MGD expansion will consist of a primary, secondary and tertiary treatment improvements. [GMP No. 5 – Feb 2024]

A site map was reviewed.

Mr. Simon advised the CMAR estimate of approximately \$12 million includes:

- Procurement of equipment such as gates, valves, flow meter and pump
- Demolition of an abandoned filter complex including hazardous materials
- Demolition of old storage tank and relocation of facilities

Upon a motion by Director Lynn Shuyler and a second by Director Larry Thompson, the Wastewater Committee voted unanimously to recommend approval to the Board of Directors.

V. DISCUSSION ITEMS

- A. Review Third Party Construction Management Services for South Mesquite Creek Regional Wastewater Treatment Plant Peak Flow Management and Expansion project

Mark Simon presented this item. He advised this will be an action item on the July Board agenda. It is for a professional services agreement for a construction manager for the South Mesquite project. The construction manager will provide oversight of multiple contractors and provide inspectors and support personnel for this project.

Mr. Simon advised the District has used third party construction management services in the past for other projects such as Bois d'Arc Lake, Sister Grove, and the Wylie Water Treatment Plant BAF project. He noted that the South Mesquite project will have five (5) Guaranteed Maximum Price amendments to be awarded between July 2022 and February 2024 at an estimated cost of \$251 million, and the work will be done in coordination with the Buffalo Creek Interceptor Tunnel.

- B. Review Preston Road Lift Station Expansion, 121 Force Main Improvements and 121 Parallel Force Main Engineering Services Agreements

Mark Simon presented this item. He advised that on the July Board agenda there will be three (3) engineering services agreements regarding the Upper East Fork Interceptor System. He advised that additional capacity is needed to serve the Cities of Frisco and Plano due to growth.

Mr. Simon reviewed that in February 2020, the Board authorized preliminary engineering design. The original purpose was to expand capacity to 50 MGD. In June 2021 during the preliminary design, City of Plano and NTMWD staff recommended increasing the design capacity to 60 MGD by 2040 due to the latest model projections. In addition, there will be a change in ultimate delivery from the Wilson Creek RWWTP to the Sister Grove RWRRF to provide adequate treatment capacity.

Mr. Simon provided an overview of a multi-phased approach that will include the following:

Preston Road Lift Station Expansion - \$43 million

- Maximize pumping capacity to 36.5 MGD using existing pipelines
- Improve existing lift station and dedicate it to the Preston Road FM
- Construct new lift station with wet well storage dedicated to the 121 FM system

121 Force Main Improvements - \$40 million

- Replace portion of existing 121 FM that has experienced multiple failures

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- Add a parallel 121 FM to accommodate growth
- Approx. 3.2 miles of parallel 36-inch pipelines from Preston Road Lift Station to east of Coit Road high point

121 Parallel Force Main - \$85 million

- Parallel the existing 121 FM to accommodate growth
- Combined pipeline capacity up to 60 MGD
- Approximately 11 miles of 36-inch diameter pipeline to Wilson Creek LS

Preston Road Lift Station Pump Addition - \$4.5 million (future project)

- Add pumps to increase Preston Road Lift Station capacity to 60 MGD

A map of the existing and proposed pipelines was reviewed.

Mr. Simon advised that the engineering services agreement for the Preston Road Lift Station Expansion final design with HDR, Inc., will be approximately \$4 million and the 121 Force Main Improvements and the 121 Parallel Force Main final design agreement with Kimley Horn & Associates, Inc. will be approximately \$9 million.

Director Marvin Fuller inquired whether the existing pipelines' capacity and lifespan was as expected. Executive Director Covington responded that on the Board agenda for tomorrow there is an Executive Session scheduled regarding the 121 Force Main as it did not last as intended. Additionally, she advised that land use in the areas served by these pipelines has changed which is increasing the flows.

Director GERALYN Keever inquired how Sister Grove will be impacted as the new delivery point. Executive Director Covington responded that using Sister Grove in this way is part of the overall plan and noted that the three systems are hydraulically connected together.

- C. Opportunity for Committee members to provide feedback on Wastewater Committee meeting or request potential future agenda items

There were no comments or requests for potential future agenda items. Chairman Crump thanked the Committee members for their service this past year.

VI. ADJOURNMENT

There being no further business, the Wastewater Committee meeting was adjourned at 1:35 p.m.

APPROVED:



for

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GEORGE CRUMP  
Chairman