

NORTH TEXAS MUNICIPAL WATER DISTRICT

WASTEWATER COMMITTEE MEETING MINUTES DECEMBER 1, 2016

I. CALL TO ORDER

Chairman Jack May called the meeting of the NTMWD Wastewater Committee to order at approximately 2:56 p.m. on Thursday, December 1, 2016, at the NTMWD Administrative Offices, Wylie, Texas.

Committee members present included Chairman Jack May, Bill Glass, James Kerr, and Larry Parks. Directors Don Cates, Charles McKissick, and Jim Mellody were absent. A quorum of the Wastewater Committee was present.

Vice President Bob Thurmond, Secretary John Sweeden, Past President Joe Joplin, Directors Bill Lofland, John Murphy, and Richard Peasley were also present.

NTMWD staff present included Tom Kula, Judd Sanderson, Joe Stankiewicz, Jenna Covington, Melisa Fuller, Shawwna Helmberger, Scott Hoelzle, Yanbo Li, R.J. Muraski, Janet Rummel, and Leann Bumpus.

Mia Welch with CH2MHILL was also present.

II. ACTION ITEMS

A. Consider Approval of Wastewater Committee Meeting Minutes – October 25, 2016

On a motion by Director James Kerr and a second by Larry Parks, the Wastewater Committee voted unanimously to approve the minutes of the Wastewater Committee meeting held on October 25, 2016.

III. DISCUSSION ITEMS

Assistant Deputy Director Jenna Covington informed the Committee two discussion items were carried over from the previous meeting. Mrs. Covington suggested rearranging the agenda to discuss Item B. prior to Item A.

B. Update on Long-Range Planning for Wastewater Treatment Plants

Assistant Deputy Director R.J. Muraski provided background and a general status update. Mr. Muraski stated the purpose of the project is to meet the 50-year Upper East Fork Interceptor System (UEFIS) Regional Wastewater Treatment Plants (RWWTP) capacity needs including accommodating growth and maintaining the water quality of Lake Lavon. He reminded the Committee there are three options to consider, but staff would like to narrow down to two general vicinities for additional capacity to be constructed for further evaluation.

Mr. Muraski introduced Mia Welch with CH2MHILL. He discussed the scenario planning approach that was used to evaluate 29 alternatives. The scenarios consider high/low population growth and varying water quality discharge requirements. He indicated the recommendation today is not to expand at the Wilson Creek RWWTP.

Mia Welch explained that when you look out 50 years, it is important to make sure the near-term plan is appropriate for long-term as well. Ms. Welch said scenario planning was used and the team started by identifying the big risks of which population and water quality were the top risks. For population, low and high growth rates were considered. Also, varying degrees of future customers were considered. She reviewed a map depicting Tier 1 – current customers along with most probable future customers and Tier 2 – current customers along with probable future customers.

Ms. Welch discussed regulatory conditions as well as reviewed the four quadrants of the Scenario Matrix. Additionally, the following solids management alternatives were considered: 1.) advanced digestion and 2.) dewatering/landfilling.

Ms. Welch explained that when all variables are considered, it created 29 separate alternatives. The team also looked at non-cost criteria considerations. She stated for financial evaluation, life cycle costs were estimated.

Ms. Welch showed the top four performing alternatives. She reviewed the Wilson Creek RWWTP expansion option and reminded the Committee that this option is not preferred due to water quality, land needs later in the planning period and community concerns. Expanding at Wilson Creek and discharging at an alternative location was cost prohibitive. She stated the alternatives recommended for further evaluation are general locations indicated by Site A) located south of the 121 Regional Disposal Facility in Melissa, Texas and Site B) located north by northwest of Princeton.

R.J. Muraski stated staff would like to move forward with these two options and move forward with conceptual costs for initial phases, layouts, land acquisition requirements and permitting requirements. If the Committee agrees, staff will come back in February or March for Board consideration.

After further discussion, Chairman Jack May stated the Committee recommends pursuing these two options for the next expansion.

A. Wastewater System Overview

Assistant Deputy Director Jenna Covington reviewed the wastewater system structure as well as the charge structure for members and customers of the Regional Wastewater System and participants of the Sewer System.

Mrs. Covington reviewed the annual flow allocation process and provided an example of how flow contribution percentage is critical to flow projections. She also shared a sample charge structure for customers.

C. Recently Completed Wastewater Operations Projects

Assistant Deputy Director Jenna Covington provided an update on recently completed wastewater projects and reminded the Committee the projects link back to the NTMWD Strategic Plan. Projects included:

- Princeton Force Main Corrected Exposed Line Prior to Failure
- Lower Rowlett Creek Trunk and McKinney East Side Extension Closed-circuit Television and Cleaning
- Floyd Branch RWWTP Secondary Clarifier No. 1 Coating and Rehab
- Wilson Creek RWWTP
 - Biological Nutrient Removal Basin 9 Improvements
 - Sludge Piping Repair
 - Lighting Improvements
- South Mesquite RWWTP Lighting Improvements
- Buffalo Creek WWTP
 - Step Screen Installation
 - Treatment Unit No. 1 Cleaning and Inspection
- Farmersville WWTP Belt Filter Press Building
- Panther Creek WWTP Bio-Scrubber Blowdown Rerouting

D. Opportunity for Committee Members to Request Potential Future Agenda Items

In a response to a question by a Committee member, Deputy Director Judd Sanderson explained that wastewater customers pay a 20 percent premium.

IV. ADJOURNMENT

There being no further business, the meeting of the Wastewater Committee adjourned at approximately 4:12 p.m. The Chairman will call the next meeting of the Wastewater Committee with proper notification to all members.



JACK MAY
Chairman