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ED-4

Standards Implementation Memo

TCEQ Interoffice Memorandum

To: Municipal Permits Team
Wastewater Permitting Section

Thru: Peter Schaefer, Standards Implementation Team Peer Review
Water Quality Assessment Section
Water Quality Division

From: Jeff Paull, Standards Implementation Team
Water Quality Assessment Section
Water Quality Division

Date: February 3, 2020

Subject: City of Granbury; Permit no. WQ0015821001
New; Application received September 19, 2019

The discharge route for the above referenced permit is to an unnamed tributary of Rucker Creek; thence to Rucker Creek; thence to Lake Granbury in Segment 1205 of the Brazos River Basin. The designated uses and dissolved oxygen criterion as stated in Appendix A of the Texas Surface Water Quality Standards (30 Texas Administrative Code (TAC) §307.10) for Segment 1205 are primary contact recreation, public water supply, high aquatic life use, and 5.0 mg/L dissolved oxygen.

Since the discharge is directly to an unclassified water body, the permit action was reviewed in accordance with §307.4(h) and (l) of the 2018 Texas Surface Water Quality Standards and the TCEQ's implementation procedures for the standards. Based on a receiving water assessment and/or other available information, a preliminary determination of the aquatic life uses in the area of the discharge impact has been performed and the corresponding dissolved oxygen criterion assigned.

Unnamed tributary of Rucker Creek; limited aquatic life use; 2.0 mg/L dissolved oxygen.
Rucker Creek; high aquatic life use; 5.0 mg/L dissolved oxygen.

Screening concerns for total phosphorus for Lake Granbury, and nutrient screenings for main pool effects and local effects indicate a limit is appropriate. The Standards Implementation Team recommends a total phosphorus limit of 1.0 mg/L at the 1.0 MGD phase, and a total phosphorus limit of 0.5 mg/L at the 2.0 MGD phase.

In accordance with 30 Texas Administrative Code §307.5 and the TCEQ implementation procedures (June 2010) for the Texas Surface Water Quality Standards, an antidegradation review of the receiving waters was performed. A Tier 1 antidegradation review has preliminarily determined that existing water quality uses will not be impaired by this permit action. Numerical and narrative criteria to protect existing uses will be maintained. A Tier 2 review has preliminarily determined that no significant degradation of water quality is expected in Rucker

Creek or Lake Granbury, which have been identified as having high aquatic life uses. Existing uses will be maintained and protected. The preliminary determination can be reexamined and may be modified if new information is received.

The discharge from this permit action is not expected to have an effect on any federal endangered or threatened aquatic or aquatic dependent species or proposed species or their critical habitat. This determination is based on the United States Fish and Wildlife Service's (USFWS) biological opinion on the State of Texas authorization of the Texas Pollutant Discharge Elimination System (TPDES; September 14, 1998; October 21, 1998 update). To make this determination for TPDES permits, TCEQ and EPA only considered aquatic or aquatic dependent species occurring in watersheds of critical concern or high priority as listed in Appendix A of the USFWS biological opinion. The determination is subject to reevaluation due to subsequent updates or amendments to the biological opinion. The permit does not require EPA review with respect to the presence of endangered or threatened species.