TCEQ Interoffice Memorandum

To: Industrial Permits Team
Wastewater Permitting Section

From: James E. Michalk, Water Quality Modeler
Water Quality Assessment Team
Water Quality Assessment Section

Date: August 26, 2021

Subject: Port of Corpus Christi Authority of Nueces County; Wastewater Permit No. WQ0005253000 / TX0138347 (new)
Discharge directly to Corpus Christi Bay, Segment 2481 of the Bays and Estuaries

This memo supersedes the previous memo dated August 16, 2018.

The referenced applicant is proposing to discharge 95.6 MGD of reverse osmosis reject and pre-treatment system reject (via Outfall 001) from a seawater desalination facility. The discharge is proposed to be located in Nueces County.

The proposed discharge is not expected to contain significant levels of oxygen-demanding constituents. Dissolved oxygen concentrations in the receiving waters are expected to consistently be protected and maintained above the criterion established for Corpus Christi Bay, including the Corpus Christi Channel portion of the segment (5.0 mg/L).

The **2014** Clean Water Act Section 303(d) list was applicable at the time this application was originally reviewed. **Corpus Christi Bay (Recreational Beaches) (2481CB)** was listed on that version of the State's inventory of impaired and threatened waters (the **2014** Clean Water Act Section 303(d) list) for elevated bacteria levels at Cole Park (AU 2481CB_03), Ropes Park (AU 2481CB_04), and Poenisch Park (AU 2481CB_06). This impairment listing description is unchanged on the **2020** Clean Water Act Section 303(d) list. **There are no other impairment listings applicable to Segment 2481 on either the 2014 or 2020 Clean Water Act Section 303(d) lists.**

One finalized Total Maximum Daily Load (TMDL) Project is available for this segment: *Two Total Maximum Daily Loads for Indicator Bacteria at Corpus Christi Bay Beaches, Cole Park and Ropes Park: Segment 2481CB - Assessment Units 2181CB_03 and 2481CB_04* (Project No. 97). **This proposed discharge is located outside the scope of the TMDL project.**