

Plain Language Summary

Ticona Polymers, Inc. - (CN 600124184) operates the Bishop Facility RN 101625721. a bulk organic chemical, plastics, & pharmaceutical manufacturing operation. The facility is located 5738 County Road 4, approximately one mile south of the City of Bishop, Nueces County, Texas 78343.

This application is for a renewal to discharge a dry weather daily average of 3.5 million gallons per day (MGD) and a daily maximum dry weather flow of 7.5 MGD, via outfall 001. The discharge from outfall 001 consists of previous monitored effluent from the wastewater treatment plant (including treated process wastewater, domestic wastewater, and non process wastewater discharged via internal outfall 101), reverse osmosis reject, reverse osmosis produced water, cooling tower blowdown, boiler blowdown, hydrostatic test water, stormwater, and construction area storm water. Outfall 002 discharges stormwater, hydrostatic test water, utility wastewater, and construction area stormwater. The Wastewater Treatment Plant which consists of clarifiers, storage tanks, equalization, anaerobic reactors, aeration tanks, sludge removal, and filtration discharges treated effluent via internal outfall 101, where it commingles with other previously mentioned discharges before discharging to the receiving stream via outfall 001. The discharge routes from Outfalls 001 and 002 are through internal drainage ditches; thence to San Fernando Creek; thence to the classified Segment 2492 Baffin Bay/Alazan Bay/Cayo Drullo/Laguna Salada.

Surface water from the Nueces River is withdrawn at the intake structure in Calallen (Corpus Christi, Texas) just upstream of the saltwater barrier dam at Labonte Park. The water is transferred to a holding pond prior to use in the plant for cooling water makeup, fire-fighting and other miscellaneous non potable purposes. Treated effluent and product water from Reverse Osmosis treatment can also be transferred into the holding pond. Well water is treated via reverse osmosis and demineralization prior to use as boiler feed water.

A detailed list of pollutants monitored are included in the Industrial Wastewater Application Technical Report.

