
Plain Language Summaries

English

Linde Inc. (CN600130645) proposes to operate the Nederland Facility RN111708863, a hydrogen and industrial gas production facility. The facility will be located at 6145 Highway 69 South, in Beaumont, Jefferson County, Texas 77705. This application proposes to discharge 2,500,000 gallons per day of process wastewater, utility wastewaters (non-contact cooling water and RO Reject), hydrostatic test water, commissioning flows and stormwater associated with industrial activity.

The discharge of process wastewater via Outfall 001 is not subject to federal effluent limitation guidelines. Process wastewaters and first flush stormwater will be treated by settling of solids and biological treatment. Utility wastewaters will be treated by settling of solids, neutralization, and dechlorination where necessary.

Raw water will be sourced from the Lower Neches Valley Authority (LNVA) to supply the process water and cooling water for the facility (PWS No. 0360112). Water will be withdrawn via an intake structure on the LNVA Canal (which does not meet the definition of Waters of the United States) and will be treated onsite including disinfection and solids settling. Reverse osmosis will be used to further treat water used in the manufacturing process.

Process area stormwater collected from the beginning of a storm event that may have the potential to entrain contamination will be gravity drained to a system of collection sumps prior to pumping to an Oil Water Separator. Stormwater collection sumps will be monitored for high levels of contamination and can be redirected to the biological wastewater treatment system if needed.

Domestic sewage will be collected and routed to the City of Beaumont POTW, TPDES Permit No. WQ0010501020, for treatment and disposal.