

Example

Individual Industrial Wastewater Application

The following summary is provided for this pending water quality permit application being reviewed by the Texas Commission on Environmental Quality as required by 30 Texas Administrative Code Chapter 39. The information provided in this summary may change during the technical review of the application and are not federal enforceable representations of the permit application.

Cargill Meat Solutions Corporation (CN60086374) operates Cargill Meat Solutions Facility RN101615839, a complex beef slaughterhouse, which processes include rendering, paunch handling, hide processing, and blood processing. The facility is located at 1530 West Highway 60, immediately south of U.S. Highway 60 and the Santa Fe Railroad, approximately 3.3 miles southwest of the City of Friona, in Parmer County, Texas 79035. The disposal areas are located on various tracts of land approximately 10 miles south of the facility property.

This application is to authorize an emergency holding lagoon. The wastewater consists of process wastewater generated from slaughterhouse operations and by-product processing, domestic wastewater, cooling tower blowdown, boiler blowdown, and vehicle wash water. The wastewater is collected and routed through a rotary screen; thence to the dissolved air flotation (DAF) unit, and thence to two anaerobic and two aerobic lagoons (approximately 195 acre-feet combined capacity) for treatment. From the lagoons, the treated wastewater is then routed to the local playa lake (1,798 acre-feet capacity) for storage prior to distribution to two tail water holding pits and then to the respective irrigation tracts owned by adjacent landowners. Effluent is disposed of via irrigation of a combined area of 2,865 acres of various crops including wheat, sorghum, corn, triticale, barley, oats, alfalfa, and sunflower grain.

Wastewater generated from the brine and pickling from the hide processing area is collected and routed to the brine wastewater pond (123 acre-feet capacity) for disposal via evaporation.

The facility and disposal areas are located in the drainage area of the Frio Draw, which flows into Tierra Blanca Creek and thence to Upper Prairie Dog Town Fork Red River in Segment No. 0229 of the Red River Basin. The designated uses for Segment No. 0229 are high aquatic life use and primary contact recreation.

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Water Quality Applications Team