**AVISO DE RECIBO DE LA SOLICITUD Y**

**EL INTENTO DE OBTENER PERMISO PARA LA CALIDAD DEL AGUA**

**RENOVACION**

**PERMISO NO. WQ0005400000**

**ENGLISH VERSION**

Dorchester Operating Company LLC (CN605916600) operates the Weigang Field Non-Commercial Skimming Pits (RN111304523) across six individual contiguous leases in Weigang Field. The facility is located 1.65 miles northwest of the intersection of Farm-to-Market Road 99 and Farm-to-Market Road 2924, near the unincorporated Town of Fashing, Atascosa County, Texas 78008. The permittee is requesting to Renew Permit No. WQ0005400000 to authorize the discharge of up to 19,048 barrels of produced water per day in an intermittent and flow-variable rate via Outfalls 001 – 006, if all six leases are in operation. The function of the Weigang Field skimming pits is to separate oil and gas residues from the produced water that accompanies oil production from Weigang Field.

The facility handles oil production from the Carrizo formation in Weigang Field at depths from 3,372 feet to 3,378 feet. Each lease consists of an oil and gas tank battery used to extract crude petroleum and natural gas. These tank batteries consist of an emulsifier pump, oil and gas separator, gun barrels, oil stock tanks, at least one saltwater tank, a set of two (2) freshwater skimming pits, and a single outflow point that flows freshwater from the Carrizo formation. This facility is designed to separate the crude oil, natural gas, and fresh water from the production stream. The G.F. Weigang lease is the only current producing lease in the field. The expected output of freshwater from this lease is around 88,500 barrels of water per month, which was the amount of produced water in August of 2022. The system is planned to manage up to 550,000 barrels of water per month if all six leases are operating.

Discharges from the produced water are expected to contain Oil and Grease, Total Dissolved Solids, Total Petroleum Hydrocarbon, and pH. The produced water from the wells is mixed with an oil emulsifier, and then is moved to the oil and gas separator. Once the oil and gas are separated, the oil and water then flows through a 750 barrel “gun barrel” separator, where the separated water flows to the (2) fresh water skimming pits, where the first pit settles and separates any remaining oil and then flows to the second skimming pit for further separation of any remaining oil residue. The remaining freshwater is then released at the discharge point to the respective Outfalls, thence the water flows into three unnamed tributaries; thence to Water Creek; thence to Lipan Creek; thence to the Atascosa River.