

NPDES authorization to discharge to waters of the United States, Permit No. TX0074012  
 The applicant's mailing address is:

U.S. Department of Energy  
 Strategic Petroleum Reserve  
 Bryan Mound SPR Oil Storage  
 Project Management Office  
 1900 County Road 242 A  
 Freeport TX 77541

The discharges from this facility are as described in the table below:

Outfall Reference Number	Discharge Coordinates Latitude Deg° Min' Sec'' Longitude Deg° Min' Sec''	Type of Discharge	Discharge Volume MGD	Receiving Water	Water Body Segment
001	28° 50' 28" N 095° 19' 33" W	Brine diffuser for saltwater from cavern depressuring, through tank to offshore	2.60	Gulf of Mexico (approx. 3.5 miles offshore)	2501*
002	28° 54' 58" N 095° 22' 29" W	Sewage Treatment Effluent from Package Treatment Plant	0.0011	Gordon's Lake	Unclassified
003	28° 55' 00" N 095° 22' 30" W	Stormwater from well pads and other secondary containments	0.128	Blue lake or Mud Lake	Unclassified
004	28° 55' 02" N 095° 22' 33" W	Stormwater from high pressure and transfer pump pads	0.0055	Blue Lake	Unclassified
005	28° 55' 02" N 095° 22' 32" W	Stormwater from tank farm area (includes brine tank & 3 crude oil storage tanks)	0.0033	Blue Lake	Unclassified
006	28° 54' 55" N 95° 23' 13" W	Recirculated (once-through, non-contact) ambient river water	4.65	1201	Brazos River Diversion Channel

\* State Water Standards apply to outfall 001 because the discharge occurs within 9 nautical miles (10.36 miles) in State waters, Gulf of Mexico.

The proposed change from previous permit is:

1. pH for Outfall 001, has been established in the draft permit based on the criteria for

Segment 2501, Gulf of Mexico.

2. pH for Outfall 006, has been established in the draft permit based on the criteria for Segment 1201, Brazos River Diversion Channel.
3. A monthly monitoring frequency for pH at Outfall 006 has been established.
4. Electronic monitoring report has been included in the draft permit.
5. A semi-annual monitoring requirement for stormwater at Outfalls 003 through 005 has been established.
6. Critical dilution is changed from 2.5% to 6.1% based on updated Cormix Model run.

It is proposed that this permit be reissued. A Statement of Basis is available, and describes the rationale for permit conditions. Under the standard industrial classification (SIC) code 5171, the facility is a Petroleum Bulk Station and Terminal.