

NPDES authorization to discharge to waters of the United States, Permit No. TX0092827
 The applicant's mailing address is:

U.S. Department of Energy
 Strategic Petroleum Reserve
 Big Hill SPR Oil Storage
 24784 Big Hill Road
 Winnie, TX 77665

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 Flow MGD	Receiving Water	Water Body Segment
001	29° 33' 56" N 094° 11' 52" W	Brine diffuser for saltwater from cavern depressuring, non-contact bearing cooling, raw water pipeline pigging, seal flush return flow	3.86	Gulf of Mexico (approx. 5 miles offshore)	2501 *
002	29° 40' 59" N 094° 11' 42" W	Hydroclone Blowdown & filter backwash (inactive)	NA	Intracoastal waterway	0702
003	29° 44' 51" N 094° 14' 18" W	Retained stormwater from 14 cavern pads	0.060 Estimated	Spindletop Marsh	Unclassified
004	29° 44' 45" N 094° 14' 15" W	Sewage treatment	0.0011	Spindletop Marsh	Unclassified
005	29° 44' 57" N 094° 14' 15" W	Stormwater from the site power substation sump	0.0092 Estimated	Spindletop Marsh	Unclassified
006	29° 44' 57" N 094° 14' 27" W	Stormwater from surge tank secondary containment	0.0050 Estimated	Spindletop Marsh	Unclassified
007	29° 44' 56" N 094° 14' 23" W	Stormwater from meter prover & crude oil meter skid through fire foam retention pond	0.0004 Estimated	Spindletop Marsh	Unclassified
008	29° 40' 59" N 094° 11' 42" W	Stormwater from transformer sumps & located at the RWIS**	0.0005 Estimated	Intracoastal waterway	0702
009	29° 40' 59" N 094° 11' 44" W	Recirculated ambient water from the intracoastal canal	0.92 Estimated	Intracoastal waterway	0702

*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 changes from the previous permit are:

1. pH for Outfall 001, has been established in the draft permit based on the criteria for Segment 2501, Gulf of Mexico.
2. Testing frequency for all stormwater discharges except salinity at Outfall 008 (outfalls 003, 005, 006, & 007) have been reduced from quarterly testing to semi-annually testing based on good compliance history.
3. Electronic monitoring report requirement has been included in the draft permit.

4. Inclusion of a language prohibiting use of oxygen scavenging chemicals as well as the removal of DO requirements.
5. pH for Outfalls 002, 008, and 009 has been established to the range of 6.5 to 9.0, the criteria for Segment 0702.
6. Critical dilution is changed from 2.5% to 4.8% based on updated Cormix Model run.
7. A monthly reporting requirement for salinity at Outfall 008 has been established in the proposed permit based on new information.

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 ,Mand Terminal.