

INSTRUCTIONS FOR OIL AND GAS FLOODPLAIN DEVELOPMENT

No development can occur in the floodplain until permit is issued.

Fill out ALL permit information.

Any well on a parcel that has FEMA Special Flood Hazard Area SFHA requires a permit fee of \$500.00; make check payable to Brazos County.

Fee payment shall be sent with a letter on company letterhead, and statement of fee amount and applicable installation.

If there is no floodplain present on the parcel of land then there is no permit fee.

Include with complete permit application:

- Site Plan/Surface Use Plat
- Emergency Evacuation Plan
- Copy of Spill Prevention and Counter Measure Plan
- Copies of other required permits including those from the Texas Railroad Commission (permit to drill) and 404 permit from US Army Corps of Engineers (if needed).
- IF NECESSARY Flood Proofing measures shall be designed and applied to all equipment on site and certified by a licensed engineer to resist floatation, collapse, or lateral movement.
- IF NECESSARY NO RISE Certification by a licensed engineer
- IF NECESSARY an ELEVATION CERTIFICATE for any equipment elevated to protect against a flood event after placement.

All structures and pieces of equipment in the 1% chance/100-year floodplain must be flood-proofed (designed in a manner to reduce or eliminate flood damage, e.g. anchoring) or elevated.

A base flood elevation (BFE) must be established and elevation and/or flood-proofing of equipment must be to the BFE.

Flood-proofing measures must include the following:

1. Tank batteries and other equipment installed at the site in the floodplain shall be tied down to prevent flotation and lateral movement.
2. Protection around any vulnerable equipment such as the well head must be installed to keep flood debris from damaging equipment which could release product into floodwaters or send equipment floating downstream.

Pipelines must be buried at least 48 inches, 72 inches under rivers and creeks. A statement acknowledging this is required.

A closed pit system is required.

Any material stored on the site that is highly volatile, flammable, explosive, toxic or water reactive should be protected to at least the level of the 500-year flood.

Drill site pad and road to well do not need to be elevated but should not obstruct the natural flow of water (i.e. install culverts and flood control devices as needed). A culvert must be installed in the barrow ditch where the lease road meets the county road.

Tree and brush debris must be removed from the floodplain or burned.

Any permit may be revoked if any false statements are made.

If revoked, all work must cease until permit is re-issued.

A separate application will be made for each well to be drilled, transferred, re-drilled, reworked, converted or reactivated.

Please contact Brazos County Engineer, for assistance.