

Appendix A

Proposed Rule for Floodplains

Updated 1/15/2015

600 SERIES - SERIES SAFETY REGULATIONS

603. STATEWIDE LOCATION REQUIREMENTS FOR OIL AND GAS FACILITIES, DRILLING, AND WELL SERVICING OPERATIONS

603.g. **Statewide equipment anchoring requirements.** All equipment at drilling and production sites in geological hazards ~~and floodplain~~ areas shall be anchored to the extent necessary to resist flotation, collapse, lateral movement, or subsidence.

603.h. **Statewide Floodplain Requirements.** When operating within a defined Floodplain:

- (1) Operators must maintain a current inventory of all existing Wells, Tanks, and separation equipment in a defined Floodplain and provide this inventory to the Director and the relevant LGD annually by April 1st.
- (2) Tanks, including partially buried tanks, and separation equipment must be ground anchored. Anchors must be engineered to support the tank and to resist flotation, collapse, lateral movement, or subsidence.
- (3) Containment berms around all Tanks must be constructed of steel rings or equivalent.
- (4) New Oil and Gas Locations permitted after EFFECTIVE DATE must have secondary containment areas for Tanks constructed with a synthetic or geosynthetic liner that is mechanically connected to the steel ring or equivalent.
- (5) New Wells permitted after EFFECTIVE DATE must be equipped with remote shut in capabilities prior to commencing production. Existing Wells must be assessed for technical or economic feasibility of retrofitting remote shut in capabilities and where retrofitting is feasible it must be installed by EFFECTIVE DATE. Remote shut in capabilities include, at a minimum, the ability to shut-in the well from outside the relevant Floodplain.
- (6) Production Pits containing E&P waste shall not be allowed within a defined Floodplain without prior Director approval via a Rule 502.b variance.
- (7) Operators must perform a site specific analysis to determine if additional floodplain best management practices are needed for new Oil and Gas Locations and implement as appropriate.

100 SERIES - DEFINITIONS

FLOODPLAIN shall mean any area of land that a Colorado County or Federal Agency has officially declared to be in a 100 year floodplain.