

TCEQ Chemical Sources

Current Best Available Control Technology (BACT) Guidelines

Storage Tanks

This information is maintained by the Chemical NSR Section and is subject to change. Last update 06/2015.

Year	Source Type	Pollutant	Minimum Acceptable Control	Control Efficiency or Details
2015	Atmospheric Storage Tanks	Tank capacity < 25 Mgal or TVP < 0.50 psia	Fixed roof with submerged fill. White or aluminum uninsulated exterior surfaces exposed to the sun.	
		Tank Capacity ≥ 25 Mgal and 0.50 psia < TVP < 11.0 psia	Internal floating roof (IFR). White or aluminum uninsulated exterior surfaces exposed to the sun.	Alternative 1: Primary seal: mechanical or liquid mounted Alternative 2: Primary seal: vapor mounted and Secondary seal: rim mounted Drain dry design (new tanks only)
			External floating roof (EFR). White or aluminum uninsulated exterior surfaces exposed to the sun. Slotted guide pole fittings must have gasketed cover, and at least 2 of the following – wiper, float, or sleeve.	Primary seal: mechanical or liquid mounted, and Secondary seal: rim mounted Drain dry design (new tanks only)
			Vent to control	Appropriate control device efficiency
		Tank Capacity ≥ 25 Mgal and TVP ≥ 11.0 psia	Vent to control	Appropriate control device efficiency