

BEST AVAILABLE CONTROL TECHNOLOGY (BACT) GUIDELINE 1.3.1

Equipment Category:	Fixed Roof Tanks in Oil and Gas Service
Revision:	1.2
Date:	June 14, 2017

Pollutant	BACT Requirement	BACT Technology	Performance Standard	AIP/TF
ROC	1	Vented to properly sized vapor recovery system (VRS)	95% short term and long term VRS efficiency	AIP
	2	Equipped with pressure safety valve (PSV)	Set to within 10% of maximum allowable tank operational pressure	AIP
	3	PSV vented to VRS or closed vent system routed to control device ⁴	95% short term and long term VRS efficiency	AIP
	4.a	PSV uses soft seat design ⁵	100 ppmv leak detection and repair rate (LDAR)	AIP
	4.b	PSV Release Minimization Plan ⁵	Corrective action required after 3 PSV releases within 1 year	AIP
	5	New/replaced components meet BACT as defined by BACT Guideline 1.2	See BACT Guideline 1.2	AIP

Notes:

1. AIP means Achieved in Practice. TF means Technologically Feasible.
2. BACT is the most stringent control technique for the emissions unit and equipment category that is either achieved in practice or technologically feasible/cost effective.
3. BACT determinations are subject to periodic updates without advanced notice.
4. BACT Requirement 3 is not required if deemed technically infeasible due to source configuration or safety concerns.
5. BACT Requirements 4.a and 4.b only apply if BACT Requirement 3 is deemed technically infeasible due to source configuration or safety concerns.