

BEST AVAILABLE CONTROL TECHNOLOGY (BACT) GUIDELINE 1.5.1

Equipment Category:	Oilfield Production Flares and Thermal Oxidizers
Revision:	1.3
Date:	November 20, 2017

Pollutant	BACT Requirement	BACT Technology	Performance Standard	AIP/TF
NO _x	1	Ultra-low emission burner technology	15 ppmvd at 3% O ₂ ; 0.0183 lb/MMBtu	AIP
ROC	1	Ultra-low emission burner technology	10 ppmvd at 3% O ₂ (as methane); 0.0042 lb/MMBtu	AIP
CO	1	Ultra-low emission burner technology	10 ppmvd at 3% O ₂ ; 0.0074 lb/MMBtu	AIP
SO _x , PM, PM ₁₀ , PM _{2.5}	1.a	PUC quality natural gas	≤ 80 ppmv total sulfur and ≤ 4 ppmv H ₂ S	AIP
	1.b	Produced gas treated using a continuously operating sulfur removal system	Case-by-case	AIP
	2	Fuel Gas Sulfur Plan	N/A	AIP
All Pollutants	1	Flare Minimization Plan	N/A	AIP

Notes:

1. NO_x means oxides of nitrogen (as NO₂) and SO_x means oxides of sulfur (as SO₂).
2. AIP means Achieved in Practice. TF means Technologically Feasible.
3. 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.
4. BACT determinations are subject to periodic updates without advanced notice.