

BEST AVAILABLE CONTROL TECHNOLOGY (BACT) GUIDELINE 1.4.1

Equipment Category:	Oilfield Steam Generator Rated ≥ 5.000 MMBtu/hr to ≤ 20.000 MMBtu/hr
Revision:	1.4
Date:	December 9, 2019

Pollutant	BACT Requirement	BACT Technology	Performance Standard	AIP/TF
NO _x	1	Low-NO _x burner, flue gas recirculation, selective catalytic reduction (SCR) with ammonia slip of 5 ppmvd @ 3% O ₂	9 ppmvd @ 3% O ₂	AIP
ROC	1	Good combustion practices	N/A	AIP
CO	1	Low-NO _x burner, flue gas recirculation	50 ppmvd @ 3% O ₂	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

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.