BEST AVAILABLE CONTROL TECHNOLOGY (BACT) GUIDELINE 1.4.2

Equipment Category:	Oilfield Steam Generator >20.000 MMBtu/hr
Revision:	1.4
Date:	December 9, 2019

Pollutant	BACT Requirement	BACT Technology	Performance Standard	AIP/TF
NO_x	1.a	Low-NO_x burner, flue gas recirculation, selective catalytic reduction (SCR) with ammonia slip of 5 ppmvd @ 3% O_2	7 ppmvd @ 3% O_2	AIP
	1.b		5 ppmvd @ 3% O_2	TF
ROC	1	Low-NO_x burner, flue gas recirculation	7 ppmvd @ 3% O_2 (as methane) (>20.000 MMBtu/hr to <50.000 MMBtu/hr units)	AIP
			8.5 ppmvd @ 3% O_2 (as methane) (≥50.000 MMBtu/hr to <85.000 MMBtu/hr units)	AIP
			4 ppmvd @ 3% O_2 (as methane) (≥85.000 MMBtu/hr units)	TF
CO	1	Low-NO_x burner, flue gas recirculation	25 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_2S	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 (NO_2) and SO_x means oxides of sulfur (as SO_2).
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.