

Summary of Subsumed Rules, Control Measures, RECLAIM Factors and Proposed BARCT*

Subsumed Rule-CM	Rule-CM Description	Tier I Emission Factor	Tier I Emission Factor Units	Basis for BARCT	New Proposed BARCT (lb/mmBtu)	Control Technology
90A-C-5	Misc. Combustion (Furnaces, Kilns, Ovens, Dryers)	0.062	LB/MMBTU	Manufacturer Information, Permit Data for Retrofit	0.036 (30 ppm)	LoNOx Burner
90P-B-2	Petroleum Refinery FCC Units	70% reduction	LB/1000BBL	Permit Data for Retrofit	1.439	Proc Mod/SCR
90P-C-5	Metal Melting Furnaces	0.062 to 0.162	LB/MMBTU	Manufacturer Information, Permit Data	0.055 (45 ppm)	LoNOx Burner
R1109	Refinery Boilers and Heaters	0.030	LB/MMBTU	Manufacturer Information, SJVAPCD, Permit Data for Retrofit	>110 mmbtu 0.006 (5 ppm) < 110 mmbtu 0.018 (15 ppm)	LoNOx Burner
R1134	Gas Turbines	0.059	LB/MMBTU	SJVAPCD, Permit Data for Retrofit	0.033 (9 ppm)	Comb Mod/SCR
R1134	Gas Turbines at Rule 2009 Facilities	0.059	LB/MMBTU	SJVAPCD, Permit Data for Retrofit	0.033 (9 ppm) to 0.060 (17 ppm)	Comb Mod/SCR
R1134	Peaking Units				TBD	
R1135	Electric Power Generating Systems (Rule 2009)	0.015 to 0.018	LB/MMBTU	Permit Data for Retrofit	0.010 (9 ppm)	SCR
R1146	Boilers and Heaters \geq 5MM Btu/hr	0.045	LB/MMBTU	Manufacturer Information, SJVAPCD, Permit Data for Retrofit	0.018 (15 ppm)	LoNOx Burner
R1146-1	Boilers and Heaters 2-5MM Btu/hr	0.038	LB/MMBTU	Manufacturer Information, Permit Data for Retrofit	0.018 (15 ppm)	LoNOx Burner
Rule 1146-2	Boilers and Heaters <2MM Btu/hr	RV	LB/MMBTU	Manufacturer Information, Permit Data for Retrofit	0.018 (15 ppm)	LoNOx Burner

* Proposed BARCT under evaluation, cost-effectiveness analysis may alter recommendations.