

Key Elements of SCAQMD July 7, 2017 Rule 1147 Amendment

Rule Components	Rule Sections	Key Changes and Unaffected Requirements
Applicability	(a), (g)	<ul style="list-style-type: none"> • Removed food and food product ovens and dry-roasters from Rule 1147
Definitions	(b)	<ul style="list-style-type: none"> • Added/Clarified definitions of burner system repair, modification and replacement • Added definition for direct fired infrared burners • Added definition for relocation of unit and facility • Provided various other clarifications
Requirements and Exemptions	(c), (g)	<ul style="list-style-type: none"> • Removed NOx limit for units rated less than 325,000 BTU/hour • Raised NOx limit from 30 to 60 ppm for low temperature incinerator, burn-off furnace, burn-out oven, crematory, afterburner, degassing unit, remediation unit, thermal oxidizer, catalytic oxidizer and vapor incinerator • All new, relocated*, modified, or replacement units must still comply with NOx limit regardless of daily emissions • No changes to compliance dates for units with NOx emissions of 1 pound/day or more (Table 2 & 15 years of age) • Changed compliance dates from unit age of 20 years to 35 years for low emission units in-use prior to specific dates (units with NOx emissions less than 1 pound/day**): <ul style="list-style-type: none"> ○ Afterburner, degassing unit, thermal oxidizer, catalytic oxidizer, vapor incinerator, and spray booth make-up air heater installed before March 1, 2012; ○ Fryer operating before January 1, 2014; and ○ Other unit in-use before January 1, 2010. • Heated tanks, parts washers and evaporators must now comply with NOx emission limits when new, modified or replaced but not when relocated by same owner or 35 years old • Units without rating plates are designated 20 years old as of July 1, 2012 (previously 2008) • Added/Clarified options for demonstrating emissions – hours of unit or burner operation, fuel use, or other process parameter <p style="font-size: small;">* Relocation of a less than 1 pound/day unit with entire facility under same ownership does not trigger requirement to comply with NOx limit unless modified, replaced or 35 years old</p> <p style="font-size: small;">** There is now an option to extend compliance date for units < 1 pound/day</p>
Compliance Demonstration and Testing	(d), (e)	<ul style="list-style-type: none"> • Added testing exemption for units using only infrared burners • There is now additional flexibility for demonstrating compliance with NOx limit at low operating temperatures • Added compliance option based on manufacturer burner and combustion system guarantee for units rated less than or equal to 2 million BTU/hour • The option to certify unit emissions remains unchanged