

- (c) (7) SHUTDOWN means the time period that begins when an electric generating unit begins reducing load in advance of terminating fuel flow and ends in a period of zero fuel flow. For dual fuel electric generating units, a shutdown does not include the time period when the unit transitions from one fuel to another.
- (8) STABLE CONDITIONS means that the fuel flow to an electric generating unit is consistent and allows for normal operations.
- (9) STARTUP means the time period beginning when an electric generating unit begins combusting fuel after a period of zero fuel flow.
- (d) Requirements
 - (1) An owner or operator of an electric generating unit is not subject to the Rule 1135 paragraphs (d)(1) and (d)(3) emission limits during startup and shutdown for the time duration allowed pursuant to paragraph (d)(2).
 - (2) On and after January 1, 2024, an owner or operator of an electric generating unit installed prior to January 7, 2022 shall limit the duration of startups and shutdowns to the times specified in Table 1: Startup and Shutdown Duration Limits for Electric Generating Units Installed Prior to January 7, 2022 or the times specified in the Permit to Construct or Permit to Operate, whichever is more stringent.

Table 1: Startup and Shutdown Duration Limits for Electric Generating Units Installed Prior to January 7, 2022

Equipment Type	Time Allowance	
	Startup	Shutdown
Boiler	20 hours	12 hours
Combined Cycle Gas Turbine and Associated Duct Burner	6 hours	2 hours
Simple Cycle Gas Turbine	1 hour	45 minutes
Diesel Internal Combustion Engines	1 hour	30 minutes

- (d) (3) An owner or operator of an electric generating unit installed on or after January 7, 2022 shall limit the duration of startups and shutdowns to the times specified in Table 2: Startup and Shutdown Duration Limits for Electric Generating Units Installed On or After January 7, 2022 or the times specified in the Permit to Construct or Permit to Operate, whichever is more stringent.

Table 2: Startup and Shutdown Duration Limits for Electric Generating Units Installed On or After January 7, 2022

Equipment Type	Time Allowance	
	Startup	Shutdown
Combined Cycle Gas Turbine and Associated Duct Burner	60 minutes	30 minutes
Simple Cycle Gas Turbine	15 minutes	10 minutes
Diesel Internal Combustion Engines	30 minutes	30 minutes

- (d) (4) On and after January 1, 2024, an owner or operator of an electric generating unit shall not allow any startup to last longer than the time that is necessary to reach stable conditions and minimum operating temperature and full deployment of the NO_x post-combustion control equipment, if applicable. If a unit reaches stable conditions and the NO_x post-combustion control equipment reaches minimum operating temperature and full deployment of all post-combustion NO_x control equipment, if applicable, before reaching the startup duration limit specified in paragraph (d)(2), paragraph (d)(3), the Permit to Construct, or the Permit to Operate, whichever is the most stringent startup duration limit, the startup period shall be considered over.
- (5) On and after January 1, 2024, an owner or operator of an electric generating unit not permitted to perform distillate fuel oil readiness testing shall not exceed twelve scheduled startups per calendar year for each electric generating unit.
- (6) On and after January 1, 2024, an owner or operator of an electric generating unit permitted to perform distillate fuel oil readiness testing shall not exceed 64 scheduled startups per calendar year for each electric generating unit.

- (d) (7) An owner or operator of an electric generating unit shall take all reasonable and prudent steps to minimize emissions during startup and shutdown.
 - (8) On and after January 1, 2024, an owner or operator of an electric generating unit with NO_x post-combustion control equipment shall install and maintain an annually calibrated temperature measuring device at the inlet of the NO_x post-combustion control equipment.
 - (9) On and after January 1, 2024, an owner or operator of an electric generating unit with NO_x post-combustion control equipment shall operate the NO_x post-combustion control equipment, including, but not limited to, the injection of any associated chemical reagent(s), water, or steam into the exhaust stream to control NO_x, if the temperature of the exhaust gas to the inlet of the NO_x post-combustion control equipment is greater than or equal to the minimum operating temperature, the temperature of the exhaust gas is stable, and the injection of any associated chemical reagent(s) will not result in ammonia emissions in excess of concentration limits in the Permit to Operate or Permit to Construct.
- (e) Recordkeeping
- (1) On and after January 1, 2024, an owner or operator of an electric generating unit shall maintain the following records on-site for a period of five years, except that all data gathered or computed for intervals of less than 15 minutes shall be maintained for a minimum of 48 hours, and make this information available to South Coast AQMD upon request:
 - (A) A list of scheduled startups, including date, time, duration, and reason of the scheduled startup and any change(s) to the date and time of the scheduled startup;
 - (B) A list of each startup, excluding scheduled startups, and shutdown, which contains the date, time, and duration; and
 - (C) NO_x emissions data collected with a certified Continuous Emissions Monitoring System (CEMS) pursuant to Rule 1135 subdivision (e) for each startup and shutdown.

- (e) (2) On and after January 1, 2024, an owner or operator of an electric generating unit with NO_x post-combustion control equipment shall maintain on-site documentation from the manufacturer of the minimum operating temperature of the NO_x post-combustion control equipment and make this information available to the South Coast AQMD upon request, unless the Permit to Construct or Permit to Operate specifies the required minimum operating temperature of the NO_x post-combustion control equipment.
- (f) Exemptions
 - (1) **Once-Through-Cooling Electric Generating Units to Be Retired**
Until December 31, 2029, the owner or operator of an electric generating unit subject to the Clean Water Act Section 316(b) that will retire the unit on or before the compliance date set forth in Table 1 of Section 2(B) of the State Water Resources Control Board's Statewide Water Quality Control Policy on the Use of Coastal Estuarine Waters for Power Plant Cooling implementing Section 316(b) of the Clean Water Act, shall not be subject to paragraphs (d)(2), (d)(5), and (d)(8), for that electric generating unit, provided that the owner or operator meets the requirements specified in Rule 1135 paragraph (g)(2).