

TABLE 4 TO SUBPART KKKK OF PART 63.—OPERATING LIMITS IF USING THE EMISSION RATE WITH ADD-ON CONTROLS OPTION OR THE CONTROL EFFICIENCY/OUTLET CONCENTRATION COMPLIANCE OPTION

[If you are required to comply with operating limits by § 63.3492, you must comply with the applicable operating limits in the following table]

For the following device . . .	You must meet the following operating limit . . .	And you must demonstrate continuous compliance with the operating limit by . . .
1. Thermal oxidizer	a. The average combustion temperature in each 3-hour block period must not fall below the combustion temperature limit established according to § 63.3546(a) or § 63.3556(a).	i. Collecting the combustion temperature data according to § 63.3547(c) or § 63.3557(c); ii. Reducing the data to 3-hour block averages; and iii. Maintaining the 3-hour block average combustion temperature at or above the temperature limit established according to § 63.3546(a) or § 63.3556(a).
2. Catalytic oxidizer	a. The average temperature difference across the catalyst bed in each 3-hour period does not fall below the temperature difference limit established according to § 63.3546(b)(2) or § 63.3556(b)(2); or b. The average temperature measured at the inlet to the catalyst bed in each 3-hour block period must not fall below the limit established according to § 63.3546(b) or § 63.3556(b); and c. Develop and implement an inspection and maintenance plan according to § 63.3546(b)(4) or § 63.3556(b)(4).	i. Collecting the temperature data according to § 63.3547(c) or § 63.3557(c); ii. Reducing the data to 3-hour block averages; and iii. Maintaining the 3-hour block average temperature difference at or above the temperature difference limit established according to § 63.3546(b)(2) or § 63.3556(b)(2). i. Collecting the temperature data according to § 63.3547(c) or § 63.3557(c); and ii. Reducing the data to 3-hour block averages; and iii. Maintaining the 3-hour block average temperature at the inlet to the catalyst bed at or above the temperature limit established according to § 63.3546(b) or § 63.3556(b). Maintaining an up-to-date inspection plan, records of annual catalyst activity checks, records of monthly inspections of the oxidizer system, and records of the annual internal inspections of the catalyst bed. If a problem is discovered during a monthly or annual inspection required by § 63.3546(b)(4) or § 63.3556(b)(4), you must take corrective action as soon as practicable consistent with the manufacturer's recommendations.
3. Regenerative oxidizers	a. Develop and implement a valve inspection plan according to § 63.3546(c) or § 63.3556(c); and either b. If you are using a regenerative thermal oxidizer, follow the operating limits according to 1.a of this table; or c. If you are using a regenerative catalytic oxidizer, follow the operating limits according to item 2.a of this table.	Maintaining an up-to-date valve inspection plan. If a problem is discovered during an inspection required by § 63.3556(c), or § 63.3556(c), you must take corrective action as soon as soon as practicable. See all applicable items in 1.a of this table. See all applicable items in 2.a, 2.b, and 2.c of this table.
4. Carbon adsorber	a. The total regeneration desorbing gas (e.g., steam or nitrogen) mass flow for each carbon bed regeneration cycle must not fall below the total regeneration desorbing gas mass flow limit established according to § 63.3546(d) or § 63.3556(d). b. The temperature of the carbon bed, after completing each regeneration and any cooling cycle, must not exceed the carbon bed temperature limit established according to § 63.3546(d) or § 63.3556(d).	i. Measuring the total regeneration desorbing gas (e.g., steam or nitrogen) mass flow for each regeneration cycle according to § 63.3547(d) or § 63.3557(d); and ii. Maintaining the total regeneration desorbing gas mass flow at or above the mass flow limit. i. Measuring the temperature of the carbon bed, after completing each regeneration and any cooling cycle, according to § 63.3547(d) or § 63.3557(d); and ii. Operating the carbon beds such that each carbon bed is not returned to service until completing each regeneration and any cooling cycle until the recorded temperature of the carbon bed is at or below the temperature limit.
5. Condenser	a. The average condenser outlet (product side) gas temperature in each 3-hour period must not exceed the temperature limit established according to § 63.3546(e) or § 63.3556(e).	i. Collecting the condenser outlet (product side) gas temperature according to § 63.3547(e) or § 63.3557(e); ii. Reducing the data to 3-hour block averages; and iii. Maintaining the 3-hour block average gas temperature at the outlet at or below the temperature limit.