

Environmental Protection Agency

Pt. 63, Subpt. SSSSS, Table 5

For . . .	You must . . .	Using . . .	According to the following requirements . . .
20. Each new kiln that is used to process clay refractory products and is equipped with a wet scrubber.	a. Establish the operating limit for the minimum scrubber pressure drop.	i. Data from the pressure drop measurement device during the performance test.	(1) At least every 15 minutes, measure the pressure drop across the scrubber; and (2) Provide at least one pressure drop measurement during at least three 15-minute periods per hour of testing; and (3) Calculate the hourly average pressure drop across the scrubber for each hour of the performance test; and (4) Calculate and record the minimum pressure drop as the average of the hourly average pressure drops across the scrubber for the two or three test runs, whichever applies.
	b. Establish the operating limit for the minimum scrubber liquid pH.	i. Data from the pH measurement device during the performance test.	(1) At least every 15 minutes, measure scrubber liquid pH; and (2) Provide at least one pH measurement during at least three 15-minute periods per hour of testing; and (3) Calculate the hourly average pH values for each hour of the performance test; and (4) Calculate and record the minimum liquid pH as the average of the hourly average pH measurements for the two or three test runs, whichever applies.
	c. Establish the operating limit for the minimum scrubber liquid flow rate.	i. Data from the flow rate measurement device during the performance test.	(1) At least every 15 minutes, measure the scrubber liquid flow rate; and (2) Provide at least one flow rate measurement during at least three 15-minute periods per hour of testing; and (3) Calculate the hourly average liquid flow rate for each hour of the performance test; and (4) Calculate and record the minimum liquid flow rate as the average of the hourly average liquid flow rates for the two or three test runs, whichever applies.
	d. If chemicals are added to the scrubber liquid, establish the operating limit for the minimum scrubber chemical feed rate.	i. Data from the chemical feed rate measurement device during the performance test.	(1) At least every 15 minutes, measure the scrubber chemical feed rate; and (2) Provide at least one chemical feed rate measurement during at least three 15-minute periods per hour of testing; and (3) Calculate the hourly average chemical feed rate for each hour of the performance test; and (4) Calculate and record the minimum chemical feed rate as the average of the hourly average chemical feed rates for the two or three test runs, whichever applies.

TABLE 5 TO SUBPART SSSSS OF PART 63—INITIAL COMPLIANCE WITH EMISSION LIMITS

As stated in §63.9806, you must show initial compliance with the emission limits for affected sources according to the following table:

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For . . .	For the following emission limit . . .	You have demonstrated compliance if . . .
1. Each affected source listed in Table 1 to this subpart.	a. Each applicable emission limit listed in Table 1 to this subpart.	i. Emissions measured using the test methods specified in Table 4 to this subpart satisfy the applicable emission limits specified in Table 1 to this subpart; and ii. You establish and have a record of the operating limits listed in Table 2 to this subpart over the performance test period; and iii. You report the results of the performance test in the Notification of Compliance Status, as specified by § 63.9812(e)(1) and (2).
2. Each new or existing curing oven, shape dryer, and kiln that is used to process refractory products that use organic HAP; each new or existing coking oven and defumer that is used to produce pitch-impregnated refractory products; each new shape preheater that is used to produce pitch-impregnated refractory products; AND each new or existing process unit that is exhausted to a thermal or catalytic oxidizer that also controls emissions from an affected shape preheater or pitch working tank.	As specified in items 3 through 8 of this table.	You have satisfied the applicable requirements specified in items 3 through 8 of this table.
3. Each affected continuous process unit that is subject to the THC emission concentration limit listed in item 2.a., 3.a., 4, or 5 of Table 1 to this subpart.	The average THC concentration must not exceed 20 ppmvd, corrected to 18 percent oxygen.	The 3-hour block average THC emission concentration measured during the performance test using Methods 25A and 3A is equal to or less than 20 ppmvd, corrected to 18 percent oxygen.
4. Each affected continuous process unit that is subject to the THC percentage reduction limit listed in item 2.b. or 3.b. of Table 1 to this subpart.	The average THC percentage reduction must equal or exceed 95 percent.	The 3-hour block average THC percentage reduction measured during the performance test using Method 25A is equal to or greater than 95 percent.
5. Each affected batch process unit that is subject to the THC emission concentration limit listed in item 6.a., 7.a., 8, or 9 of Table 1 to this subpart.	The average THC concentration must not exceed 20 ppmvd, corrected to 18 percent oxygen.	The 2-run block average THC emission concentration for the 3-hour peak emissions period measured during the performance test using Methods 25A and 3A is equal to or less than 20 ppmvd, corrected to 18 percent oxygen.
6. Each affected batch process unit that is subject to the THC percentage reduction limit listed in item 6.b. or 7.b. of Table 1 to this subpart.	The average THC percentage reduction must equal or exceed 95 percent.	The 2-run block average THC percentage reduction for the 3-hour peak emissions period measured during the performance test using Method 25A is equal to or exceeds 95 percent.
7. Each affected continuous or batch process unit that is equipped with a control device other than a thermal or catalytic oxidizer and is subject to the emission limit listed in item 3 or 7 of Table 1 to this subpart.	a. The average THC concentration must not exceed 20 ppmvd, corrected to 18 percent oxygen; or b. The average THC percentage reduction must equal or exceed 95 percent.	i. You have installed a THC CEMS at the outlet of the control device or in the stack of the affected source; and ii. You have satisfied the requirements of PS-8 of 40 CFR part 60, appendix B.
8. Each affected continuous or batch process unit that uses process changes to reduce organic HAP emissions and is subject to the emission limit listed in item 4 or 8 of Table 1 to this subpart.	The average THC concentration must not exceed 20 ppmvd, corrected to 18 percent oxygen.	i. You have installed a THC CEMS at the outlet of the control device or in the stack of the affected source; and ii. You have satisfied the requirements of PS-8 of 40 CFR part 60, appendix B.
9. Each new continuous kiln that is used to process clay refractory products.	a. The average HF emissions must not exceed 0.019 kg/Mg (0.038 lb/ton) of uncalcined clay processed; OR the average uncontrolled HF emissions must be reduced by at least 90 percent.	i. The 3-hour block average production-based HF emissions rate measured during the performance test using one of the methods specified in item 14.a.i. of Table 4 to this subpart is equal to or less than 0.019 kg/Mg (0.038 lb/ton) of uncalcined clay processed; or ii. The 3-hour block average HF emissions reduction measured during the performance test is equal to or greater than 90 percent.

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For . . .	For the following emission limit . . .	You have demonstrated compliance if . . .
10. Each new batch process kiln that is used to process clay refractory products.	<p>b. The average HCl emissions must not exceed 0.091 kg/Mg (0.18 lb/ton) of uncalcined clay processed; OR the average uncontrolled HCl emissions must be reduced by at least 30 percent.</p> <p>a. The average uncontrolled HF emissions must be reduced by at least 90 percent.</p> <p>b. The average uncontrolled HCl emissions must be reduced by at least 30 percent.</p>	<p>i. The 3-hour block average production-based HCl emissions rate measured during the performance test using one of the methods specified in item 14.a.i. of Table 4 to this subpart is equal to or less than 0.091 kg/Mg (0.18 lb/ton) of uncalcined clay processed; or</p> <p>ii. The 3-hour block average HCl emissions reduction measured during the performance test is equal to or greater than 30 percent.</p> <p>The 2-run block average HF emission reduction measured during the performance test is equal to or greater than 90 percent.</p> <p>The 2-run block average HCl emissions reduction measured during the performance test is equal to or greater than 30 percent.</p>

TABLE 6 TO SUBPART SSSSS OF PART 63—INITIAL COMPLIANCE WITH WORK PRACTICE STANDARDS

As stated in §63.9806, you must show initial compliance with the work practice standards for affected sources according to the following table:

For each . . .	For the following standard . . .	You have demonstrated initial compliance if . . .
1. Each affected source listed in Table 3 to this subpart.	a. Each applicable work practice standard listed in Table 3 to this subpart.	<p>i. You have selected a method for performing each of the applicable work practice standards listed in Table 3 to this subpart; and</p> <p>ii. You have included in your Initial Notification a description of the method selected for complying with each applicable work practice standard, as required by §63.9(b); and</p> <p>iii. You submit a signed statement with the Notification of Compliance Status that you have implemented the applicable work practice standard listed in Table 3 to this subpart; and</p> <p>iv. You have described in your OM&M plan the method for complying with each applicable work practice standard specified in Table 3 to this subpart.</p>
2. Each basket or container that is used for holding fired refractory shapes in an existing shape preheater and autoclave during the pitch impregnation process.	a. Control POM emissions from any affected shape preheater.	<p>i. You have implemented at least one of the work practice standards listed in item 1 of Table 3 to this subpart; and</p> <p>ii. You have established a system for recording the date and cleaning method for each time you clean an affected basket or container.</p>
3. Each affected new or existing pitch working tank.	Control POM emissions	You have captured and vented emissions from the affected pitch working tank to the device that is used to control emissions from an affected defumer or coking oven, or to a thermal or catalytic oxidizer that is comparable to the control device used on an affected defumer or coking oven.
4. Each new or existing chromium refractory products kiln.	Minimize fuel-based HAP emissions	You use natural gas, or equivalent, as the kiln fuel.
5. Each existing clay refractory products kiln.	Minimize fuel-based HAP emissions	You use natural gas, or equivalent, as the kiln fuel.