

§ 61.245 Test methods and procedures.

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(e) * * *

(3) * * *

H_T = Net heating value of the sample, MJ/scm (BTU/scf); where the net enthalpy per mole of offgas is based on combustion at 25 °C and 760 mm Hg (77 °F and 14.7 psi), but the standard temperature for determining the volume corresponding to one mole is 20 °C (68 °F).

K = conversion constant, 1.740×10^7 (g-mole) (MJ)/(ppm-scm-kcal) (metric units); or 4.674×10^8 ((g-mole) (Btu)/(ppm-scf-kcal)) (English units)

C_i = Concentration of sample component "i" in ppm, as measured by Method 18 of Appendix A to 40 CFR Part 60 and ASTM D2504-67, 77, or 88 (Reapproved 1993) (incorporated by reference as specified in § 61.18).

H_i = net heat of combustion of sample component "i" at 25 °C and 760 mm Hg (77 °F and 14.7 psi), kcal/g-mole. The heats of combustion may be determined using ASTM D2382-76 or 88 or D4809-95 (incorporated by reference as specified in § 61.18) if published values are not available or cannot be calculated.

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(5) * * *

$$V_{\max} = K_1 + K_2 H_T$$

Where:

V_{\max} = Maximum permitted velocity, m/sec (ft/sec).

H_T = Net heating value of the gas being combusted, as determined in paragraph (e)(3) of this section, MJ/scm (Btu/scf).

K_1 = 8.706 m/sec (metric units)
= 28.56 ft/sec (English units)

K_2 = 0.7084 m⁴/(MJ-sec) (metric units)
= 0.087 ft⁴/(Btu-sec) (English units)

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§ 61.252 [Amended]

47. In § 61.252, paragraph (a) is amended by revising the words "20 pCi/m²-s" to read "20 pCi/(m²-sec) (1.9 pCi/(ft²-sec))."

§ 61.270 [Amended]

48. Amend § 61.270 as follows:

a. Paragraph (a) is revised.

b. Paragraph (e) is amended by revising the words "204.9 kPa" to read "204.9 kPa (29.72 psia)."

The revisions read as follows:

§ 61.270 Applicability and designation of sources.

(a) The source to which this subpart applies is each storage vessel that is

storing benzene having a specific gravity within the range of specific gravities specified in ASTM D836-84 for Industrial Grade Benzene, ASTM D835-85 for Refined Benzene-485, ASTM D2359-85a or 93 for Refined Benzene-535, and ASTM D4734-87 or 96 for Refined Benzene-545. These specifications are incorporated by reference as specified in § 61.18. See § 61.18 for acceptable versions of these methods.

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§ 61.272 [Amended]

49. Amend § 61.272 as follows:

a. In paragraph (c)(1)(i), the fourth sentence is amended by revising the words "816 °C" to read "816 °C (1,500 °F)."

b. Paragraph (d) is amended by revising the letter "O" in the words "40 CFR 60.18(e)" to read "40 CFR 60.18(e)."

§ 61.301 [Amended]

50. Amend § 61.301 as follows:

a. The definitions of the terms "Leak" and "Vapor-tight marine vessel" are amended by revising the words "method 21" to read "Method 21" wherever they occur.

b. In the definition of the terms "Vapor-tight tank truck or vapor-tight railcar", the second sentence is amended by revising the words "method 27 of part 60, appendix A" to read "Method 27 of Appendix A to 40 CFR part 60."

§ 61.302 [Amended]

51. Amend § 61.302 as follows:

a. In paragraph (d)(1), the third sentence is amended by revising the words "method 27 of part 60, appendix A" to read "Method 27 of Appendix A to 40 CFR Part 60."

b. In paragraph (e)(2), the second sentence is amended by revising the words "method 21 of part 60, appendix A" to read "Method 21 of Appendix A to 40 CFR Part 60."

c. In paragraph (e)(2)(ii)(B), fourth sentence, the words "method 21" are revised to read "Method 21 of Appendix A to 40 CFR Part 60."

d. In paragraph (h), the first sentence is amended by revising the words "method 27 of part 60, appendix A" to read "Method 27 of Appendix A to 40 CFR Part 60."

§ 61.303 [Amended]

52. In § 61.303, paragraphs (c), (c)(1), and (c)(2) are amended by revising the words "44 MW" to read "44 MW (150 × 10⁶ BTU/hr)" wherever they occur.

§ 61.304 [Amended]

53. Amend § 61.304 as follows:

a. Paragraph (a)(4)(iii) is amended by revising the word "method" to read "Method."

b. In paragraph (a)(4)(iv), the first sentence is amended by revising the words "method 25A or method 25B" to read "Method 25A or Method 25B."

c. Paragraph (b) is amended by revising the words "a performance test according to method 22 of appendix A of this part, shall be performed to determine visible emissions. The observation period shall be at least 2 hours and shall be conducted according to method 22" to read "a performance test according to Method 22 of appendix A of 40 CFR part 60 shall be performed to determine visible emissions. The observation period shall be at least 2 hours."

54. Amend § 61.305 as follows:

a. Paragraphs (a), (b)(3), and (d) are amended by revising the words "44 MW" to read "44 MW (150 × 10⁶ BTU/hr)" wherever they occur.

b. Paragraph (a)(3)(ii) is revised.

c. Paragraphs (b)(1), (b)(2), and (b)(3) are amended by revising the words "28 °C" to read "28 °C (50 °F)" wherever they occur.

The revisions read as follows:

§ 61.305 Reporting and recordkeeping.

(a) * * *

(3) * * *

(ii) The average combustion temperature of the steam generating unit or process heater with a design heat input capacity of less than 44 MW (150 × 10⁶ BTU/hr), measured with the following frequency: at least every 2 minutes during a loading cycle if the total time period of the loading cycle is less than 3 hours, and every 15 minutes if the total time period of the loading cycle is equal to or greater than 3 hours. The measured temperature shall be averaged over the loading cycle.

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§ 61.342 [Amended]

55. Amend § 61.342 as follows:

a. In paragraph (a), the first sentence, the words "10 megagrams per year (Mg/yr)" are revised to read "10 megagrams per year (Mg/yr) (11 ton/yr)."

b. Paragraphs (a)(3), (b), (c), (c)(3)(i), (d), and (e) are amended by revising the words "10 Mg/yr" to read "10 Mg/yr (11 ton/yr)."

c. Paragraph (c)(3)(i) is amended by revising the words "0.02 liters per minute" to read "0.02 liters per minute (0.005 gallons per minute)."

d. Paragraph (c)(3)(ii)(B) is amended by revising the words "2.0 Mg/yr" to read "2.0 Mg/yr (2.2 ton/yr)."