

accordance with the system designed to ensure that qualified personnel properly gather and evaluate this information. I am aware that there are significant penalties for false certification including the possibility of fine and imprisonment."

\* \* \* \* \*

(2) \* \* \*

(i) The following certification statement:

"I certify, under penalty of law, that the information that will be used to determine compliance with the management practices in § 503.24 and the vector attraction reduction requirements in [insert § 503.33(b)(9) through § 503.33(b)(11) when one of those requirements is met] has been prepared under my direction and supervision in accordance with the system designed to ensure that qualified personnel properly gather and evaluate this information. I am aware that there are significant penalties for false certification including the possibility of fine or imprisonment."

\* \* \* \* \*

12. Section 503.31 is amended by revising paragraph (g) to read as follows:

**§ 503.31 Special definitions.**

\* \* \* \* \*

(g) pH means the logarithm of the reciprocal of the hydrogen ion concentration measured at 25°C or measured at another temperature and then converted to an equivalent value at 25°C.

\* \* \* \* \*

13–15. Section 503.32 is amended by revising the heading for paragraph (a)(3) and revising paragraphs (b)(2)(i) and (b)(5)(v) to read as follows:

**§ 503.32 Pathogens.**

(a) \* \* \*

(3) Class A—Alternative 1 (Not applicable for composting). \* \* \*

\* \* \* \* \*

(b) \* \* \*

(2) Class B—Alternative 1.

(i) Seven representative samples of the sewage sludge that is used or disposed shall be collected.

\* \* \* \* \*

(5) \* \* \*

(v) Animals shall not be grazed on the land for 30 days after application of sewage sludge.

\* \* \* \* \*

16–17. Section 503.33 is amended by revising paragraphs (a)(1) through (a)(4) and paragraphs (b)(6) through (b)(8) and paragraph (b)(10)(i) to read as follows:

**§ 503.33 Vector attraction reduction.**

(a)(1) One of the vector attraction reduction requirements in § 503.33(b)(1)

through § 503.33(b)(8); a requirement that is equivalent to one of the vector attraction reduction requirements in § 503.33 (b)(1) through (b)(8), as determined by the permitting authority; or the vector attraction reduction requirements in § 503.33 (b)(9) or (b)(10) shall be met when bulk sewage sludge is applied to agricultural land, forest, a public contact site, or a reclamation site.

(2) One of the vector attraction reduction requirements in § 503.33(b)(1) through § 503.33(b)(8) or an equivalent vector attraction reduction requirement, as determined by the permitting authority, shall be met when bulk sewage sludge is applied to a lawn or a home garden.

(3) One of the vector attraction reduction requirements in § 503.33(b)(1) through § 503.33(b)(8) or an equivalent vector attraction reduction requirement, as determined by the permitting authority, shall be met when sewage sludge is sold or given away in a bag or other container for application to the land.

(4) One of the vector attraction reduction requirements in § 503.33(b)(1) through § 503.33(b)(8); a requirement that is equivalent to one of the vector attraction reduction requirements in § 503.33 (b)(1) through (b)(8), as determined by the permitting authority; or one of the vector attraction reduction requirements in § 503.33 (b)(9) through (b)(11) shall be met when sewage sludge (other than domestic septage) is placed on an active sewage sludge unit.

\* \* \* \* \*

(b) \* \* \*

(6) The pH of sewage sludge shall be raised to 12 or higher by alkali addition and, without the addition of more alkali, shall remain at 12 or higher for two hours and then at 11.5 or higher for an additional 22 hours at the time the sewage sludge is used or disposed; at the time the sewage sludge is prepared for sale or given away in a bag or other container for application to the land; or at the time the sewage sludge is prepared to meet the requirements in § 503.10 (b), (c), (e), or (f).

(7) The percent solids of sewage sludge that does not contain unstabilized solids generated in a primary wastewater treatment process shall be equal to or greater than 75 percent, based on the moisture content and total solids prior to mixing with other materials, at the time the sewage sludge is used or disposed; at the time the sewage sludge is prepared for sale or given away in a bag or other container for application to the land; or at the time the sewage sludge is prepared to meet the requirements in § 503.10 (b), (c), (e), or (f).

(8) The percent solids of sewage sludge that contains unstabilized solids generated in a primary wastewater treatment process shall be equal to or greater than 90 percent, based on the moisture content and total solids prior to mixing with other materials, at the time the sewage sludge is used or disposed; at the time the sewage sludge is prepared for sale or given away in a bag or other container for application to the land; or the time the sewage sludge is prepared to meet the requirements in § 503.10 (b), (c), (e), or (f).

\* \* \* \* \*

(10) (i) Sewage sludge applied to the land surface or placed on a surface disposal site shall be incorporated into the soil within six hours after application to or placement on the land, unless otherwise specified by the permitting authority.

\* \* \* \* \*

18. Section 503.40 is amended by adding a new paragraph (d) to read as follows:

**§ 503.40 Applicability.**

\* \* \* \* \*

(d) The frequency of monitoring requirements for a pollutant in § 503.46 (a)(2) and (a)(3), the recordkeeping requirement for a pollutant in § 503.47(b), and the reporting requirement for a pollutant in § 503.48 do not apply when the following conditions are met, if approved by the permitting authority.

(i) The average daily concentration for the pollutant calculated pursuant to § 503.43(c) or § 503.43(d) exceeds the highest average daily concentration for the pollutant measured in the sewage sludge for the months in the previous calendar year.

(ii) The incinerator is operated within the operating parameters established during the performance test required by § 503.43(c)(3) or § 503.43(d)(5).

19. Section 503.43 is amended by revising paragraphs (c)(1), (c)(2), (c)(3), (d)(1), the text preceding the table in paragraphs (d)(2) and (d)(3), revising paragraph (d)(4), and (d)(5), and by adding a new paragraph (e) to read as follows:

**§ 503.43 Pollutant limits.**

\* \* \* \* \*

(c) Pollutant limit—lead.

(1) The average daily concentration of lead in sewage sludge fed to a sewage sludge incinerator shall not exceed the concentration calculated using Equation (4).

$$C = \frac{0.1 \times \text{NAAQS} \times 86,400}{\text{DF} \times (1 - \text{CE}) \times \text{SF}} \quad \text{Eq. (4)}$$