

Pathogen and vector attraction reduction Certification Statement.

This federal certification statement is required under 40CFR 503 - Standards for the Use or Disposal of Sewage Sludge. Please note that this federal law includes septage as well.

State of Michigan licensed septage firms must include this certification statement, signature, and date the statement is signed, on every land disposal record form used to track the amount / volume of septage land applied at each Michigan Department of Environmental Quality authorized disposal site. This includes every separate location that may be used on each site.

The certification statement found in 40CFR 503, 503.17 (6)(b)(6) (Recordkeeping) shall read:

I certify, under penalty of law, that the information that will be used to determine compliance with the pathogen requirements [insert either Sec. 503.32(c)(1) or Sec. 503.32(c)(2)] and the vector attraction reduction requirement in [insert Sec. 503.33(b)(9), 503.33(b)(10), or Sec. 503.33(b)(12)] was 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 and imprisonment.

Signature	Date
(to be signed by the person designated as responsible in the firm that applies septage)	

For clarification purposes, the pathogen requirements are as follows:

Sec. 503.32(c)(1) The site restrictions in **Sec. 503.32(b)(5)** shall be met when domestic septage is applied to agricultural land, forest, or a reclamation site; or

Sec. 503.32(c)(2) The pH of domestic septage applied to agricultural land, forest, or a reclamation site shall be raised to 12 or higher by alkali addition and, without the addition of more alkali, shall remain at 12 or higher for 30 minutes and the site restrictions in Sec. 503.32 (b)(5)(i) through (b)(5)(iv) shall be met.

Sec. **503.32(b)(5)** Site restrictions. (i) Food crops with harvested parts that touch the sewage sludge/soil mixture and are totally above the land surface shall not be harvested for 14 months after application of sewage sludge.

(ii) Food crops with harvested parts below the surface of the land shall not be harvested for 20 months after application of sewage sludge when the sewage sludge remains on the land surface for four months or longer prior to incorporation into the soil.

(iii) Food crops with harvested parts below the surface of the land shall not be harvested for 38 months after application of sewage sludge when the sewage sludge remains on the land surface for less than four months prior to incorporation into the soil.

(iv) Food crops, feed crops, and fiber crops shall not be harvested for 30 days after application of sewage sludge.

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

(vi) Turf grown on land where sewage sludge is applied shall not be harvested for one year after application of the sewage sludge when the harvested turf is placed on either land with a high potential for public exposure or a lawn, unless otherwise specified by the permitting authority.

(vii) Public access to land with a high potential for public exposure shall be restricted for one year after application of sewage sludge.

(viii) Public access to land with a low potential for public exposure shall be restricted for 30 days after application of sewage sludge.

For clarification purposes, the vector attraction reduction requirements are as follows:

Sec. 503.33(b)(9)(i) Sewage sludge shall be injected below the surface of the land.

(ii) No significant amount of the sewage sludge shall be present on the land surface within one hour after the sewage sludge is injected.

(iii) When the sewage sludge that is injected below the surface of the land is Class A with respect to pathogens, the sewage sludge shall be injected below the land surface within eight hours after being discharged from the pathogen treatment process.

Sec. 503.33(b)(10)(i) Sewage sludge applied to the land surface or placed on an active sewage sludge unit shall be incorporated into the soil within six hours after application to or placement on the land, unless otherwise specified by the permitting authority.

(ii) When sewage sludge that is incorporated into the soil is Class A with respect to pathogens, the sewage sludge shall be applied to or placed on the land within eight hours after being discharged from the pathogen treatment process.

Sec. 503.33(b)(12) The pH of domestic septage shall be raised to 12 or higher by alkali addition and, without the addition of more alkali, shall remain at 12 or higher for 30 minutes.

[58 FR 9387, Feb. 19, 1993, as amended at 64 FR 42571, Aug. 4, 1999]