

Instructions

The Wisconsin Department of Natural Resources (department) requires that Wisconsin Pollutant Discharge Elimination System (WPDES) permittees monitor their daily land application of sewage sludge (biosolids) to comply with their approved sludge management plan (if required under s. NR 204.11, Wis. Adm. Code), WPDES permit, and applicable provisions of chs. NR 204 and NR 205, Wis. Adm. Code requirements. For sewage sludge applied to land which does not meet the exceptional quality sludge criteria, the permittee shall develop and maintain these records indefinitely (reference: par. NR 204.06(9)(b), Wis. Adm. Code). These records shall be made available to department staff for inspection upon request (reference: sub. NR 205.07(1), Wis. Adm. Code). The department recommends including a "template" daily land application log in the permittee's sludge management plan. While this form is optional, permittees may use it to maintain and track daily land application activities. Failure to complete and maintain all information as required by the permittee's approved sludge management plan, WPDES permit, and ch. NR 204, Wis. Adm. Code may result in stepped enforcement and/or penalties.

Note: The department recommends that permittees document land areas applied on daily land application maps. Standard operating procedures (SOPs) for documenting daily land application practices, including example maps, may be included in the permittee's sludge management plan. Permittees often highlight land application locations on a copied DNR approval map to identify locations where sewage sludge was land applied on each approved site/field per day.

1. Record the land application date (MM/DD/YYYY) and start time (include AM/PM) for each location per calendar day.
2. Record the outfall number for the sewage sludge being land applied (Example: Outfall 002).
3. Record the department assigned DNR number. *Note: The DNR number is located on form 3400-122 ("Site Approval and Discharge Limits Form").*
4. Record the site/field name (Example: SMITH-1).
5. Record the full property owner's name.
6. Record the estimated or measured amount of sewage sludge land applied. Daily land application may be provided in gallons, tons, or cubic yards.
7. Record the number of acres land applied. *Note: Permittees should not record the total approved acreage for the site/field unless the entire approved acreage is receiving sewage sludge in the calendar day.*
8. Calculate the daily land application rate (Divide "Column 6" by "Column 7").
9. Denote land application method used (S = Surface Application, INJ = Injection, INC = Incorporation). *Notes: Sewage sludge land application vehicles or equipment shall be moving at all times while sludge is being applied to ensure uniform application. Uniform application shall be accomplished for surface application vehicles using a splash plate, spreader bar, beaters, expellers, or other department-approved method (reference: par. NR 204.07(3)(i), Wis. Adm. Code). Depending on the application method, specific vector attraction reduction must be met (see below).*
10. If sewage sludge is incorporated or injected, specific documentation is necessary to comply with vector attraction reduction (VAR) requirements (references: pars. NR 204.06(9)(b) and NR 204.07(7)(k), Wis. Adm. Code). In these instances, the applicator should record the date (MM/DD/YYYY), time (include AM/PM), and the initials of the individual incorporating the sewage sludge.
11. Record the intended crop year and crop code of intended crop.
12. Record the initials of the applicator.
13. Comments. Use this section to detail any other relevant information. Examples include, but are not limited to: air temperature, soil temperature, soil saturation, wind direction, identifying start/stop locations, etc.

IMPORTANT: Per par. NR 204.06(9)(b), Wis. Adm. Code, sewage sludge applied to land does not meet the exceptional quality sludge criteria, the permittee shall develop and maintain:

- Documentation that the pathogen requirements specified in s. NR 204.07(6), Wis. Adm. Code and the VAR specified in s. NR 204.07(7), Wis. Adm. Code have been met.
- Certification statements regarding pathogen control, VAR, and management practices.

The permittee and land applier shall develop and retain certification statements verifying the characteristics and quality of the sludge produced, adherence to applicable management practices, and in general, all applicable provisions of ch. NR 204, Wis. Adm. Code (reference: par. NR 204.06(9)(e), Wis. Adm. Code). The statement shall be tailored, by each permittee and land applier, for each applicable requirement. The following is an example of an acceptable certification statement for pathogen control and vector attraction reduction:

"I certify under penalty of law, that the information verifying compliance with the *[insert Class B pathogen requirements in par. NR 204.07(6)(b), Wis. Adm. Code]* and the vector attraction reduction requirement in *[insert one of the vector attraction reduction requirements in pars. NR 204.07 (7) (a) to (k), Wis. Adm. Code]* 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 and imprisonment."