Septage Business Field Audits

Updated: 12/14/2020
What Triggers an Audit?

Audits can be:

• Regularly scheduled, typically by the regional coordinator (single business, county wide, multiple county wide/cross region).

• Triggered by complaints/observed violations

• Follow-up after enforcement to determine if corrective actions have been completed
Items to Inspect/Review While in the Field

- Operator Certification(s)
- Vehicle(s) + Equipment (Exterior)
- In-cab Requirements
- Landspreading Practices
- Compliance: chs. NR 113 & NR 114
Operator Certification(s)

- Document the name of the driver/passenger (to determine if they are certified)
- Photograph the driver license(s)
- If possible, determine who the owner/OIC of the business is.

Operator Certification Look-up Page:
## Wisconsin Department of Natural Resources

### Operator Certification Lookup

**Instructions:** Enter either a name or certification number to search for a certified operator. If you are not sure about the spelling of a name, you may search by the first few letters.

<table>
<thead>
<tr>
<th>Last Name:</th>
<th>Certification Type: All types</th>
</tr>
</thead>
<tbody>
<tr>
<td>First Name:</td>
<td>Certification #:</td>
</tr>
</tbody>
</table>

[Search][Reset]

For help please contact: DNRCert@DNR.WI.GOV
Version: 2013.12.27
The Official Internet site for the Wisconsin Department of Natural Resources
101 S. Webster Street, PO Box 7921, Madison, Wisconsin 53707-7921. 608.296.2621

dnr.wi.gov
Vehicle(s) + Equipment (Exterior)

- Photograph all (entire) 4 sides of the vehicle
- Photographs should include:
  - Business Name
  - License Plates
  - Discharge cap
  - Gallon capacity
  - Clean up supplies
  - Business License Number
  - Clean up Supplies
  - Make/Model of vehicle
  - Lime (what kind)
  - Splash Plate

- Current business license sticker (different color every 2 years)
- Hose caps (or wash out procedure available)
- Properly working cab-actuated discharge valve

Reference: s. NR 113.06(1) and (2), Wis. Adm. Code
Front License Plate
“Wisconsin Sanitary Licensee” & “License No. _____”
“Wisconsin Sanitary Licensee” & “License No. _____”
Back (Full)

Capacity of Tank

Business License Sticker

Cab Act. Valve & Splash Plate (if req.)
Current Rear Sticker
July 1, 2019-June 30, 2021
Clean-up Supplies
In-cab Requirements

- At minimum, the last 2 days of servicing records
- Spill Plan
- Standard Operating Procedures (SOPs)
- Current copy of NR 113 (January 2018)
- pH meter and/or pH strips
- Field Approvals
Daily Record Requirements

- DNR staff may photograph log books

- There is no set format that must be used, but there are minimum requirements for what information must be included on the logs.

- There must be, at minimum, the last 2 days worth of servicing records.
Daily Record Requirements

• Name, address, location of system serviced
• Service date/time
• System type
• Gallons collected
• Disposal location
• Disposal date/time
• Pathogen & Vector Attraction Reduction Statement

• Pathogen control
  – Description
  – Records
• Vector Attraction Red.
  – Description
  – pH adjustment test method & records
  – Lime receipts (if applic.)

Reference: s. NR 113.11(3)(c), Wis. Adm. Code
# Example Log

<table>
<thead>
<tr>
<th>Date Interval:</th>
<th>Testing Results &amp; Record Keeping</th>
<th>Disposal Location</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Service Location</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Gallons Waste (S, H, G)</td>
<td></td>
</tr>
<tr>
<td>Date Time</td>
<td>Name Description</td>
<td>Time Temp</td>
</tr>
<tr>
<td></td>
<td>Address City/Town/State</td>
<td>VAR</td>
</tr>
</tbody>
</table>

CERTIFICATION: I certify under penalty of law, that the information that will be used to determine compliance with the pathogen requirements in NR 113.07 (3) (e) 1. a. and/or NR 113.07 (3) (e) 1. b. and the vector attraction reduction requirements in NR. 113.07 (3) (e) 1., NR 113.07 (3) (c) 2., and/or NR 113.07 (3) (c) 3. 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.

Vector Attraction Reduction (VAR):
- pH - pH Addition
- INJ - Injection
- INC - Incorporation

Waste Type:
- S - Septic Tank Waste (990)
- H - Animal Waste (999)
- G - Grease Interceptor Waste (997)

OIC Certification Signature: ____________________________

Date: ____________________________
Log Review

Date: 3/24/15
Code Name: 60748
Product Type: Grease Trap Waste
Gallons: 3,000

Signature: [Signature]
Date: 3/24/15

FCPC Signature: [Signature]
Date: 3/24/15

<table>
<thead>
<tr>
<th>BUSINESS</th>
<th>ADDRESS</th>
<th>DATE &amp; TIME OF COLLECTION</th>
<th>GALLONS</th>
<th>RUNNING TOTAL GALLONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aurora Medical - Kenosha</td>
<td></td>
<td>3/24/15</td>
<td>3,000</td>
<td>3,000</td>
</tr>
<tr>
<td>Cream City Wrecking</td>
<td></td>
<td>3/24/15</td>
<td>1,000</td>
<td>4,000</td>
</tr>
</tbody>
</table>

Thursday 3/21/13

May 26 (b) 17
19500 H 11:15

Wildwest 7:15 Jim Schultz
1) May 26 (b) 17
2) Shalwood 9:35 3,000 h 9:35
<table>
<thead>
<tr>
<th>Date</th>
<th>Name</th>
<th>Address</th>
<th>Pick Up Time</th>
<th>Disposal Site</th>
<th>Disposal Time</th>
<th>Gallons</th>
</tr>
</thead>
<tbody>
<tr>
<td>06/15</td>
<td>Mike</td>
<td>1234 S. Main St.</td>
<td>10:00 AM</td>
<td>MMSD</td>
<td>200</td>
<td>300</td>
</tr>
<tr>
<td>07/15</td>
<td>John</td>
<td>5678 W. Avenue</td>
<td>11:00 AM</td>
<td>MMSD</td>
<td>150</td>
<td>200</td>
</tr>
<tr>
<td>08/15</td>
<td>Sarah</td>
<td>9012 S. Elm St.</td>
<td>12:00 PM</td>
<td>MMSD</td>
<td>100</td>
<td>150</td>
</tr>
<tr>
<td>09/15</td>
<td>David</td>
<td>3456 N. Maple Rd</td>
<td>01:00 PM</td>
<td>MMSD</td>
<td>250</td>
<td>300</td>
</tr>
</tbody>
</table>
### Examples of Non-compliant Logbooks

#### Abbreviations

- for customer name (key?)
- Service address (key?)
- Waste type (key?)
- Disposal location?
- Pathogen/VAR Statement?

<table>
<thead>
<tr>
<th>Loading Time</th>
<th>Customer</th>
<th>Location</th>
<th>Product</th>
<th>Quantity</th>
<th>Destination</th>
<th>Name/Location</th>
<th>Unloading Time</th>
<th>Ticket</th>
</tr>
</thead>
<tbody>
<tr>
<td>Start</td>
<td>End</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>5:30</td>
<td>5:55</td>
<td>P+D</td>
<td>CEM</td>
<td>6428.8</td>
<td>24.22</td>
<td>C-2</td>
<td>NSWKE</td>
<td>87156</td>
</tr>
<tr>
<td>6:00</td>
<td>6:30</td>
<td>P+D</td>
<td>CEM</td>
<td>5528.3</td>
<td>24.27</td>
<td>C-2</td>
<td>NSWKE</td>
<td>87158</td>
</tr>
<tr>
<td>10:30</td>
<td>10:45</td>
<td>Chem</td>
<td>DED</td>
<td>5500</td>
<td>ELITE</td>
<td>PORT WNP</td>
<td>NSWKE</td>
<td>8413241</td>
</tr>
<tr>
<td>12:00</td>
<td>12:30</td>
<td>WM</td>
<td>NAPAC</td>
<td>5500</td>
<td>ELITE</td>
<td>PORT WNP</td>
<td>NSWKE</td>
<td>26785</td>
</tr>
</tbody>
</table>

#### Additional Information

- Odometer: End 524,889, Start 524,708, Total Miles 181
- Fuel: 110.01 @ 2.659
- Gallons: 41.372
- Location: Port Washington, WI

---

05.07.2015 17:40
Emergency Spill Plan

- Response SOP
- <50 gallons—supplies to render nuisance free
- >50 gallons – reported within 24 hours
- 24-hour spill hotline #: **1-800-943-0003**
- Mutual response agreement (other septage business)
## Emergency Telephone Numbers for Spill Plan

**24 Hour Hotline 1-800-943-0003**

<table>
<thead>
<tr>
<th>Company Name</th>
<th>Address</th>
<th>Telephone Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Driver’s Name</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Physician/Ambulance</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fire</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Police/Sheriff</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mutual Agreement Pumpers</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Emergency Government (state)</td>
<td>Madison</td>
<td>(608)266-3232</td>
</tr>
<tr>
<td>Duty Officer System (Answered 24 hrs/day)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Emergency Government (County)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>DNR</td>
<td></td>
<td></td>
</tr>
<tr>
<td>County Government (when the county has been delegated septage regulation by the DNR)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Spill Plan

Septage Spills Under 10 Gallons
1. Clean area – Flush with water
2. Disinfect with Bleach

Septage Spills 10-50 Gallons
1. Notify the
2. Clean area – Flush with water
3. Disinfect with Bleach

Septage Spills over 50 Gallons
1. Notify the
2. Office to notify the WDNR
3. Clean area – Flush with water. If pump truck is incapacitated and unable to pump contact another United pump truck via phone or office to assist with area clean-up.
4. Disinfect with Bleach

Septage Spills over 250 Gallons
1. Notify the
2. Office will notify WDNR, Sheriff, Police, or Fire Department if necessary.
3. Clean area – Flush with water. If pump truck is incapacitated and unable to pump contact another United pump truck via phone or office to assist with area clean-up.
4. Disinfect with Bleach

See Emergency phone list for additional numbers
Chapter NR 113

SERVICING SEPTIC OR HOLDING TANKS, PUMPING CHAMBERS, GREASE INTERCEPTORS, SEEPAGE BEDS, SEEPAGE PITS, SEEPAGE TRENCHES, PRIVIES, OR PORTABLE RESTROOMS

NR 113.09 Application rates.
NR 113.10 County regulation.
NR 113.11 Department regulation.
NR 113.12 Septage storage facilities.
NR 113.13 Suspension and revocation.
NR 113.14 Enforcement.
NR 113.15 Variances.

Note: Chapter NR 113 as it existed on September 30, 1987 was repealed and a new chapter NR 113 was created effective October 1, 1987. Chapter NR 113 as it existed on December 31, 1996, was repealed and a new chapter NR 113 was created effective January 1, 1997, under s. 35.93 (2m) (b) 7, Stats., Register, January, 1999, No. 517.

NR 113.01 Purpose. The purposes of this chapter are to establish standards for the servicing of private sewage systems including septic and holding tanks, dosing chambers, grease interceptors, seepage beds, seepage pits, seepage trenches, privies and portable restrooms; to provide for the use and disposal of wastewaters from these sources while protecting public health from unsanitary and unhealthful practices and conditions; and to protect surface waters and groundwater of the state from contamination by septage.

History: Cr. Register, September, 1996, No. 489, eff. 1-1-97.

NR 113.02 Applicability. This chapter applies to licensed haulers, owners and any person servicing private sewerage systems including septic and holding tanks, dosing chambers, grease interceptors, seepage beds, seepage pits, seepage trenches, privies and portable restrooms. The following services are exempt from the requirements of this chapter:

1. Septage, which is the waste produced by the separation of domestic sewage in a septic tank and stored by the owner or agent of the septic tank system.
2. Grease and oil from the kitchen, laundry, and other sources.
3. Reclaimed water from a septic tank.
4. Wastewater from a latrine, toilet, shower, sink, or other source of wastewater in a building.
5. Wastewater from a building used for the storage of food or livestock.
6. Wastewater from a building used for the storage of fuel.
7. Wastewater from a building used for the storage of waste.
8. Wastewater from a building used for the storage of hazardous waste.
9. Wastewater from a building used for the storage of industrial waste.
10. Wastewater from a building used for the storage of radioactive waste.
11. Wastewater from a building used for the storage of medical waste.
12. Wastewater from a building used for the storage of pharmaceutical waste.
13. Wastewater from a building used for the storage of veterinary waste.
14. Wastewater from a building used for the storage of agricultural waste.
15. Wastewater from a building used for the storage of municipal waste.
16. Wastewater from a building used for the storage of construction waste.
17. Wastewater from a building used for the storage of demolition waste.
18. Wastewater from a building used for the storage of hazardous waste.
19. Wastewater from a building used for the storage of toxic waste.
20. Wastewater from a building used for the storage of radioactive waste.
21. Wastewater from a building used for the storage of medical waste.
22. Wastewater from a building used for the storage of veterinary waste.
23. Wastewater from a building used for the storage of agricultural waste.
24. Wastewater from a building used for the storage of municipal waste.
25. Wastewater from a building used for the storage of construction waste.
26. Wastewater from a building used for the storage of demolition waste.
27. Wastewater from a building used for the storage of hazardous waste.
28. Wastewater from a building used for the storage of toxic waste.
29. Wastewater from a building used for the storage of radioactive waste.
30. Wastewater from a building used for the storage of medical waste.
31. Wastewater from a building used for the storage of veterinary waste.
32. Wastewater from a building used for the storage of agricultural waste.
33. Wastewater from a building used for the storage of municipal waste.
34. Wastewater from a building used for the storage of construction waste.
35. Wastewater from a building used for the storage of demolition waste.
36. Wastewater from a building used for the storage of hazardous waste.
37. Wastewater from a building used for the storage of toxic waste.
38. Wastewater from a building used for the storage of radioactive waste.
39. Wastewater from a building used for the storage of medical waste.
40. Wastewater from a building used for the storage of veterinary waste.
41. Wastewater from a building used for the storage of agricultural waste.
42. Wastewater from a building used for the storage of municipal waste.
43. Wastewater from a building used for the storage of construction waste.
44. Wastewater from a building used for the storage of demolition waste.
45. Wastewater from a building used for the storage of hazardous waste.
46. Wastewater from a building used for the storage of toxic waste.
47. Wastewater from a building used for the storage of radioactive waste.
48. Wastewater from a building used for the storage of medical waste.
49. Wastewater from a building used for the storage of veterinary waste.
50. Wastewater from a building used for the storage of agricultural waste.
51. Wastewater from a building used for the storage of municipal waste.
52. Wastewater from a building used for the storage of construction waste.
53. Wastewater from a building used for the storage of demolition waste.
54. Wastewater from a building used for the storage of hazardous waste.
55. Wastewater from a building used for the storage of toxic waste.
56. Wastewater from a building used for the storage of radioactive waste.
57. Wastewater from a building used for the storage of medical waste.
58. Wastewater from a building used for the storage of veterinary waste.
59. Wastewater from a building used for the storage of agricultural waste.
60. Wastewater from a building used for the storage of municipal waste.
61. Wastewater from a building used for the storage of construction waste.
62. Wastewater from a building used for the storage of demolition waste.
63. Wastewater from a building used for the storage of hazardous waste.
64. Wastewater from a building used for the storage of toxic waste.
65. Wastewater from a building used for the storage of radioactive waste.
66. Wastewater from a building used for the storage of medical waste.
67. Wastewater from a building used for the storage of veterinary waste.
68. Wastewater from a building used for the storage of agricultural waste.
69. Wastewater from a building used for the storage of municipal waste.
70. Wastewater from a building used for the storage of construction waste.
71. Wastewater from a building used for the storage of demolition waste.
72. Wastewater from a building used for the storage of hazardous waste.
73. Wastewater from a building used for the storage of toxic waste.
74. Wastewater from a building used for the storage of radioactive waste.
75. Wastewater from a building used for the storage of medical waste.
76. Wastewater from a building used for the storage of veterinary waste.
77. Wastewater from a building used for the storage of agricultural waste.
78. Wastewater from a building used for the storage of municipal waste.
79. Wastewater from a building used for the storage of construction waste.
80. Wastewater from a building used for the storage of demolition waste.
81. Wastewater from a building used for the storage of hazardous waste.
82. Wastewater from a building used for the storage of toxic waste.
83. Wastewater from a building used for the storage of radioactive waste.
84. Wastewater from a building used for the storage of medical waste.
85. Wastewater from a building used for the storage of veterinary waste.
86. Wastewater from a building used for the storage of agricultural waste.
87. Wastewater from a building used for the storage of municipal waste.
88. Wastewater from a building used for the storage of construction waste.
89. Wastewater from a building used for the storage of demolition waste.
90. Wastewater from a building used for the storage of hazardous waste.
91. Wastewater from a building used for the storage of toxic waste.
92. Wastewater from a building used for the storage of radioactive waste.
93. Wastewater from a building used for the storage of medical waste.
94. Wastewater from a building used for the storage of veterinary waste.
95. Wastewater from a building used for the storage of agricultural waste.
96. Wastewater from a building used for the storage of municipal waste.
97. Wastewater from a building used for the storage of construction waste.
98. Wastewater from a building used for the storage of demolition waste.
99. Wastewater from a building used for the storage of hazardous waste.
100. Wastewater from a building used for the storage of toxic waste.
101. Wastewater from a building used for the storage of radioactive waste.
102. Wastewater from a building used for the storage of medical waste.
103. Wastewater from a building used for the storage of veterinary waste.
104. Wastewater from a building used for the storage of agricultural waste.
105. Wastewater from a building used for the storage of municipal waste.
106. Wastewater from a building used for the storage of construction waste.
107. Wastewater from a building used for the storage of demolition waste.
108. Wastewater from a building used for the storage of hazardous waste.
109. Wastewater from a building used for the storage of toxic waste.
110. Wastewater from a building used for the storage of radioactive waste.
111. Wastewater from a building used for the storage of medical waste.
112. Wastewater from a building used for the storage of veterinary waste.
113. Wastewater from a building used for the storage of agricultural waste.
114. Wastewater from a building used for the storage of municipal waste.
115. Wastewater from a building used for the storage of construction waste.
116. Wastewater from a building used for the storage of demolition waste.
117. Wastewater from a building used for the storage of hazardous waste.
118. Wastewater from a building used for the storage of toxic waste.
119. Wastewater from a building used for the storage of radioactive waste.
120. Wastewater from a building used for the storage of medical waste.
121. Wastewater from a building used for the storage of veterinary waste.
122. Wastewater from a building used for the storage of agricultural waste.
123. Wastewater from a building used for the storage of municipal waste.
124. Wastewater from a building used for the storage of construction waste.
125. Wastewater from a building used for the storage of demolition waste.
126. Wastewater from a building used for the storage of hazardous waste.
127. Wastewater from a building used for the storage of toxic waste.
128. Wastewater from a building used for the storage of radioactive waste.
129. Wastewater from a building used for the storage of medical waste.
130. Wastewater from a building used for the storage of veterinary waste.
131. Wastewater from a building used for the storage of agricultural waste.
132. Wastewater from a building used for the storage of municipal waste.
There are 3 ways of disposing of septage waste on a field.

- **Incorporation** mixing of septage with topsoil by methods of discing, mold-board plowing, chisel plowing or rototilling to a minimum depth of 4 inches.

- **Injection** the subsurface placement of septage to a depth of 4-12 inches.

- **Surface Application** using a splash plate or other department approved method or device to facilitate uniform septage application.
Landspreading Practices

Things to consider while investigating a field:

- What is the method of discharge (surface application, injection, incorporation).
- Is a splash plate being used if surface applying?
- Is the truck stationary or moving forward while discharging?
- What is the area of discharge coverage (LxW) and what is the tank capacity? (indicates potential hydraulic loading rate)
Landspreading Practices

Things to consider while investigating a field:

- Are there excessive slopes present (surface application requires <6% slopes).
- What is the existing crop cover? If hay/grass, what is the height?
- Distance to homes/wells/schools/property lines/surface water
- The Weather: Is it snowing/raining/saturated soils/frozen or snow-covered ground?
Landspreading Practices Cont.

Examples of Compliance Issues/Violations

- Side discharge/No splash plate
- Non-uniform distribution
- Ponding of septage
- Stationary Dumping
- Discharge to Wetland
- Grass/Hay >6”
- Litter
NR 113 Wis. Adm. Code

- Establishes standards for servicing
- Use & disposal of wastewaters
- Protect public health from unsanitary and unhealthful practices/conditions
- Protect surface waters
- Protect groundwater
Leak Proof??
DNR Staff Interaction

- Generally 3 Types of interaction with DNR staff
- Field contacts: Inspection of land application field
- Traffic Stops: Generally Records/Equipment
- Audits: All of the above, inspection of business records/equipment
Enforcement

• Warnings or Civil Citation(s) – court process
• NOV – Meet with WW Specialist (Discuss how to remedy issues)
• In rare aggrevated situations – loss of Operators License
• Wardens, WW Specialists and OIC work cooperatively on this.
Coordinator Coverage Areas

Rachel Angel
*Operator Certification Coordinator*
PO Box 7921
Madison, WI 53707-7921
(608) 266-8948
DNROpCertSeptage@wisconsin.gov

Frederick Hegeman, P.E.
*Statewide Septage Coordinator*
PO Box 7921
Madison, WI 53707-7921
(608) 267-7611
frederick.hegeman@wisconsin.gov

COUNTIES
Septage Site Reviews

- Alexis Heim Peter
- Alison Canniff
- Danielle Luke
- Kassandra Franke
- Steve Warner

[Map of Wisconsin counties with different colors indicating areas of responsibility]