Land Application Site Request Packages

Application Package

Department Review

Site Approval

Stephen Warrner, WDNR Wastewater Specialist, District South
Building a Site Request Package

Application Package

Email

Department Review

Email

Approval
Necessary Tools and Training

- Minimal equipment and training needed!
  - Computer with internet access
  - Few hours of training
Complete this form for each site and submit it to the Sludge/Waste Management Specialist at the appropriate Department of Natural Resources service center for approval evaluation. An approval letter and/or Form 3400-122 must be obtained before sludge can be applied, unless self-approved. See additional instructions on pages 3 and 4.

Notice: Completion and submission of this form is mandatory under s. 283.55, Wis. Stats., and ch. NR 254 or 214, Wis. Adm. Code, for Municipal Sludge and industrial waste and under s. 281.46, Wis. Stats., and ch. NR 115, Wis. Adm. Code, for septicage. Failure to properly complete and submit this form is a violation of s. 283.51 or s. 281.46, Wis. Stats., and may result in a monetary penalty and/or imprisonment. Personally identifiable information on this form is not intended to be used for other purpose but may be made available to requesters under Wisconsin's Open Records Laws, 19.32-19.39, Wis. Stats.

Permittee Information

Permittee Name (or Licensed Business if Septage Ditis) Telephone Number (include area code)
Address City State ZIP Code

WPDES Permit Number Septage License Number

Waste Information

Waste(s) to be Land Applied
- Whey or Permatile
- Industrial Sludge
- Food Processing Waste
- Septage
- Municipal Sludge
- Paper Mill Sludge
- Industrial Wastewater
- Other (specify)

Site Information

Instructions: Outline the exact location of the site on a soils map, a map showing the property boundary, and a USGS topo map or aerial photograph. Also, label the site number.

Site Number / Name (Indicate only one) County (Indicate only one)

Field Number Legal Description Section Township Range Acreage

Site Owner Name Have all requested sites been in agricultural production in the last 2 years? YES NO

Site Farmer Name (if different than owner) Municipal Sludge Only

Name of Entity Applying Waste

Compliance With Site Requirements: I have all site criteria, including distance criteria for separation between the site boundary and waterways, wells, residences, etc., as indicated on page 2 of this form been complied with?

Waste Type

Comments: Requests for Winter Approval, Transfer Site, Etc.

Site Owner & Farmer

Comments:

Front

Signature
1. 3400-53 Form

Land Application Site Request
Form 3400-53 (R.2/06) Page 2 of 4

If any of the applicable separation distances shown below are not complied with, select the “No” box under Compliance With Site Requirements on page 1 of this form and provide an explanation in the space provided (or attach sheet if necessary).

Existing Cover Crop
- Cultivated Cropland
- Tree Plantation
- Pasture
- Permanent Hayland
- Other (specify)

Has the site been used or is it currently being used for the landspreading of non-agricultural waste? [ ] Yes [ ] No

If yes, select type(s) of waste, and note in the comments section on the front of this form.
- Holding Tank / Septic
- Industrial Sludge
- Municipal Sludge
- Industrial Waste
- Paper Mill Sludge
- Food Processing Waste
- Whey or Permeate
- Other (specify)

What type of land use is adjacent to site? (select all appropriate)
- Residential
- Commercial
- Industrial
- Forest
- Agricultural
- Mining Operation
- Recreational
- Other (specify)

The separation distance between the ground surface and bedrock or groundwater is greater than: [ ] 36 inches [ ] 18 inches

Industrial Sludge and Waste Only
Criteria for Industrial Sludge or Waste Applied to Land

<table>
<thead>
<tr>
<th>Site Criteria</th>
<th>Surface</th>
<th>Incorporation</th>
<th>Injection</th>
</tr>
</thead>
<tbody>
<tr>
<td>Distance to public water supply</td>
<td>1000 ft</td>
<td>1000 ft</td>
<td>1000 ft</td>
</tr>
<tr>
<td>Distance to private water supply</td>
<td>250 ft</td>
<td>250 ft</td>
<td>250 ft</td>
</tr>
<tr>
<td>Distance to residence</td>
<td>500 ft</td>
<td>500 ft</td>
<td>500 ft</td>
</tr>
<tr>
<td>Distance with written permission</td>
<td>500 ft</td>
<td>200 ft</td>
<td>200 ft</td>
</tr>
<tr>
<td>Distance to any surface water or dry run</td>
<td>200 ft</td>
<td>50 ft</td>
<td>50 ft</td>
</tr>
<tr>
<td>Distance to any surface water or dry run with vegetative buffer</td>
<td>100 ft</td>
<td>50 ft</td>
<td>50 ft</td>
</tr>
</tbody>
</table>

Municipal Sludge / Septage Only
Criteria for Non-Eq Municipal Sludge / Septage Applied to Land

<table>
<thead>
<tr>
<th>Site Criteria</th>
<th>Surface</th>
<th>Incorporation</th>
<th>Injection</th>
</tr>
</thead>
<tbody>
<tr>
<td>Depth to bedrock</td>
<td>3 ft</td>
<td>3 ft</td>
<td>3 ft</td>
</tr>
<tr>
<td>Depth to high groundwater</td>
<td>3 ft</td>
<td>3 ft</td>
<td>3 ft</td>
</tr>
<tr>
<td>Allowable slopes</td>
<td>0–6 %</td>
<td>0–12 %</td>
<td>0–12 %</td>
</tr>
<tr>
<td>Distance to wells</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Community water supply or school</td>
<td>1000 ft</td>
<td>1000 ft</td>
<td>1000 ft</td>
</tr>
<tr>
<td>Other</td>
<td>250 ft</td>
<td>250 ft</td>
<td>250 ft</td>
</tr>
<tr>
<td>Minimum distance to residence, business or recreation area</td>
<td>500 ft</td>
<td>200 ft</td>
<td>200 ft</td>
</tr>
<tr>
<td>Minimum distance to residence or business with permission</td>
<td>250 ft</td>
<td>100 ft</td>
<td>100 ft</td>
</tr>
<tr>
<td>Distance to rural schools and health care facilities</td>
<td>1000 ft</td>
<td>1000 ft</td>
<td>1000 ft</td>
</tr>
<tr>
<td>Distance to property line</td>
<td>50 ft</td>
<td>25 ft</td>
<td>25 ft</td>
</tr>
<tr>
<td>Minimum distance to streams, lakes, ponds, wetlands or channelized waterways connected to a stream, lake, pond or wetland</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Slope 0 to 6</td>
<td>200 ft</td>
<td>150 ft</td>
<td>100 ft</td>
</tr>
<tr>
<td>Slope 6 to 12</td>
<td>Not Allowed</td>
<td>200 ft</td>
<td>150 ft</td>
</tr>
<tr>
<td>Minimum distance to grass waterways, or dry run with a 50 foot range grass strip</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Slope 0 to 6</td>
<td>100 ft</td>
<td>50 ft</td>
<td>25 ft</td>
</tr>
<tr>
<td>Slope 6 to 12</td>
<td>Not Allowed</td>
<td>100 ft</td>
<td>50 ft</td>
</tr>
<tr>
<td>Soil permeability range (m/s)</td>
<td>0.2–6.0</td>
<td>0–6.0</td>
<td>0–6.0</td>
</tr>
</tbody>
</table>

Note: The Department will not determine whether the requested sites are in government sponsored agricultural programs (i.e., CRP, ACP, etc.), or whether they are subject to any local ordinances. The permittee should contact the appropriate government agency to determine whether any additional restrictions or penalties apply.

Existing and Adjacent Site Information

Standard Setbacks (Industrial, Municipal, Septage)
2. Proof of Ownership

Possible Sources
- Tax Parcel Info—County Websites
- Office Land Records

Field Boundary
Label

55-A

<table>
<thead>
<tr>
<th>Parcel/Pin Number</th>
<th>048-1216-3214-000</th>
</tr>
</thead>
<tbody>
<tr>
<td>Municipality</td>
<td>048 - Town of Williamstown</td>
</tr>
<tr>
<td>Property Address</td>
<td>HORICON</td>
</tr>
<tr>
<td>School District</td>
<td>MPTC FOND DU LAC</td>
</tr>
<tr>
<td>Technical College District</td>
<td>HORICON FIRE PROT</td>
</tr>
<tr>
<td>Special District(s)</td>
<td>RONALD H DOBBERPUHL</td>
</tr>
<tr>
<td>Tax District</td>
<td>RONALD H DOBBERPUHL</td>
</tr>
<tr>
<td>Owner Name</td>
<td>RONALD H DOBBERPUHL</td>
</tr>
<tr>
<td>Mailing Address</td>
<td>N7573 COUNTY ROAD TW</td>
</tr>
<tr>
<td></td>
<td>HORICON, WI 53032</td>
</tr>
</tbody>
</table>
3 & 4. Aerial/Soil Map

- Identified Features
  - Drainageway
  - Houses
- Online Resources—Free!
  - WDNR Surface Water Data Viewer
  - NRCS Web Soil Survey

- Outlined Site/Field Boundaries
- Soil Map Overlay
- Site/Field Label
WDNR Surface Water Data Viewer

http://dnr.wi.gov/topic/surfacewater/swdv/

Basic and Advanced Tools Help Guide
Finding the Site/Field

14N, 15E, Section 16
Soil and Wetland Layers

Measures Distance Between Features

Measure Area of Field

Area ~40 acres

200ft

500ft

Houses
NRCS Web Soil Survey

http://websoilsurvey.nrcs.usda.gov/app/HomePage.htm

Welcome to Web Soil Survey (WSS)

The simple yet powerful way to access and use soil data.

Web Soil Survey (WSS) provides soil data and information produced by the National Cooperative Soil Survey. It is operated by the USDA Natural Resources Conservation Service (NRCS) and provides access to the largest natural resource information system in the world. NRCS has soil maps and data available online for more than 95 percent of the nation’s counties and anticipates having 100 percent in the near future. The site is updated and maintained online as the single authoritative source...
Using the NCSS Web Soil Survey

Three Basic Steps make WSS a simple yet powerful way to access and use soil data.

1. Define.

Use the Area of Interest tab to define your area of interest. You can navigate to an area by zooming in on a map or by selecting from a Quick Navigation choice list. After you find the area, define it as the Area of Interest (AOI) by drawing a rectangle or a polygon around it using a map tool. You must complete this step before you can go on to the next two steps.

2. View/Explore.

Click the Soil Map tab to view or print a map of the soils in your area and view a description of the soils, or click the Soil Data Explorer tab to access soil data for your area and determine the suitability of the soils for a particular use. The items you want saved in a report can be added to your shopping cart.
Finding the Site/Field

Wisconsin
14N, 15E, Section 16
Select Area of Interest (AOI)
Soil Data Explorer

Depth to Bedrock

Summary by Map Unit — Fond du Lac County, Wisconsin

<table>
<thead>
<tr>
<th>Map unit symbol</th>
<th>Map unit name</th>
<th>Rating (cm)</th>
<th>Acres in AOI</th>
<th>Percent of AOI</th>
</tr>
</thead>
<tbody>
<tr>
<td>HmD</td>
<td>Hochheim loam, 12 to 20 percent slopes</td>
<td>&gt;200</td>
<td>0.3</td>
<td>0.50%</td>
</tr>
<tr>
<td>LtC3</td>
<td>LeRoy soils, 6 to 12 percent slopes, severely eroded</td>
<td>&gt;200</td>
<td>3.2</td>
<td>5.70%</td>
</tr>
<tr>
<td>LtD3</td>
<td>LeRoy soils, 12 to 20 percent slopes, severely eroded</td>
<td>&gt;200</td>
<td>7.4</td>
<td>13.20%</td>
</tr>
<tr>
<td>LvB</td>
<td>Lomira silt loam, 2 to 6 percent slopes</td>
<td>&gt;200</td>
<td>11.4</td>
<td>20.20%</td>
</tr>
<tr>
<td>LvB2</td>
<td>Lomira silt loam, 2 to 6 percent slopes, eroded</td>
<td>&gt;200</td>
<td>11.7</td>
<td>20.80%</td>
</tr>
<tr>
<td>PhA</td>
<td>Pella silt loam, 0 to 3 percent slopes</td>
<td>&gt;200</td>
<td>13.5</td>
<td>24.00%</td>
</tr>
<tr>
<td>VgA</td>
<td>Virgil silt loam</td>
<td>&gt;200</td>
<td>7.5</td>
<td>13.30%</td>
</tr>
</tbody>
</table>
Soil Data Explorer

Depth to Water Table

Summary by Map Unit — Fond du Lac County, Wisconsin

<table>
<thead>
<tr>
<th>Map unit symbol</th>
<th>Map unit name</th>
<th>Rating (centimeters)</th>
<th>Acres in AOI</th>
<th>Percent of AOI</th>
</tr>
</thead>
<tbody>
<tr>
<td>HmD</td>
<td>Hochheim loam, 12 to 20 percent slopes</td>
<td>178</td>
<td>0.3</td>
<td>0.50%</td>
</tr>
<tr>
<td>LtC3</td>
<td>LeRoy soils, 6 to 12 percent slopes, severely eroded</td>
<td>178</td>
<td>3.2</td>
<td>5.70%</td>
</tr>
<tr>
<td>LtD3</td>
<td>LeRoy soils, 12 to 20 percent slopes, severely eroded</td>
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<tr>
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<tr>
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<td>13.5</td>
<td>24.00%</td>
</tr>
</tbody>
</table>
Official Soil Description (OSD)

• Horizon characteristics
• Bedrock Depth
• Drainage
• Associated soils
• And More!!!

LOCATION MIAMI IN+IL MI OH

Established Series
Rev. GRS-MLW-KKN
05/2007

MIAMI SERIES

The Miami series consists of very deep, moderately well drained soils that are moderately deep to dense till. The Miami soils formed in as much as 46 cm (18 inches) of loess or silty material and in the underlying loamy till. They are on till plains. Slope ranges from 0 to 60 percent. Mean annual precipitation is 1016 mm (40 inches), and mean annual air temperature is 11 degrees C (52 degrees F).

TAXONOMIC CLASS: Fine-loamy, mixed, active, mesic Oxyaquic Hapludalfs

TYPICAL PEDON: Miami silt loam, on a convex, 3 percent slope in a cultivated field at an elevation of about 268 meters (880 feet) above mean sea level. (Colors are for moist soil unless otherwise stated.)

Ap--0 to 20 cm (0 to 8 inches); brown (10YR 4/3) silt loam, pale brown (10YR 6/3) dry; moderate fine
Complete this form for each land application site and submit to the sludge/Waste Management Specialists at the appropriate Department of Natural Resources Service center for approval evaluation. This form should directly accompany the 3400-053 Land Application Site Request Form. An approval letter and/or Form 3400-122 must be obtained before waste can be applied, unless self-approved.

**I. WPDES Permittee/Septage Business Company Information**

<table>
<thead>
<tr>
<th>WPDES Permittee/Septage Business Company</th>
<th>Business Phone Number (Include area code)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Permittee/Septage Business O/C</td>
<td>OIC Alternative Phone Number (Include area code)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Address</th>
<th>City</th>
<th>State</th>
<th>ZIP Code</th>
<th>Request Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>WPDES Permit Number</td>
<td>WI-00</td>
<td>Septage License Number</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**II. Site Information**

<table>
<thead>
<tr>
<th>Property Owner</th>
<th>Phone Number (include area code)</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Address</th>
<th>City</th>
<th>State</th>
<th>ZIP Code</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Field Name</th>
<th>County</th>
<th>Legal Description</th>
<th>Section</th>
<th>Township</th>
<th>Range</th>
<th>Acres</th>
</tr>
</thead>
</table>

**III. Farmer Information (if different)**

<table>
<thead>
<tr>
<th>Farmer Name</th>
<th>Phone Number (Include area code)</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Address</th>
<th>City</th>
<th>State</th>
<th>ZIP Code</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Farm/Business Name</th>
<th>Business All. Phone (Include area code)</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Farm/Business Address</th>
<th>City</th>
<th>State</th>
<th>ZIP Code</th>
</tr>
</thead>
</table>

**IV. Waste Information**

- [ ] Whey or Permeate
- [ ] Industrial Sludge
- [ ] Food Processing Waste
- [ ] Septage
- [ ] Municipal Sludge
- [ ] Paper Mill Sludge
- [ ] Industrial Wastewater
- [ ] Other (specify)
5. Field Authorization Form

State of Wisconsin
Department of Natural Resources

V. Approval/Acknowledgement Statement

I, _____________________________ (owner), hereby give _____________________________ (WPDES permittee/septage business) permission to land apply the above waste(s) to my field(s) listed above. Furthermore:

- I understand that I can revoke this privilege at any time.
- I accept these wastes onto my field to gain useful nutrients and/or add beneficial properties to the soils of my fields.
- I will communicate to the farmer the additional nutrients added to these fields so that they may be credited in a nutrient management plan.

I, _____________________________ (farmer), hereby certify that:

- These fields are actively farmed with crop removal each year.
- The nutrients added to the soils are accounted for in an appropriate nutrient management plan to prevent nitrogen and phosphorus over application.
- The nutrients are accounted for through the appropriate Land and Water Conservation Department if necessary.
- Information regarding crops, planting/harvesting schedules, crop output and additional fertilizer use will be communicated to the WPDES permittee/septage business.

I, _____________________________ representing WPDES permittee or as septage business OIC:

- Agree to communicate any crop restriction requirements to the farmer and owner.
- Agree to communicate nutrient application rates to the farmer and owner.
- Agree to notify and obtain the necessary approvals from the Land and Water Conservation Department if necessary.

All parties agree to:

- Understand and agree to all rules and regulations of the Wisconsin Department of Natural Resources that apply to the land application of the applied waste including but not limited to horizontal/vertical setbacks and application rates.
- Understand that the Wisconsin Department of Natural Resources will review each site/field for approval.

Property Owner Name (Print) | Signature | Date
--- | --- | ---
Farmer Name (Print) | Signature | Date
WPDES Permittee/Septage Business OIC (Print) | Signature | Date

VI. Additional Comments or Approval Considerations

Transfer Request, Setback Reductions, Etc.
6. Soil Test Report

Soil sampling must follow UW Extension Bulletin A 2100.

Lab report must be from a WI certified soil testing lab.

### Site/Field Name

### Soil Characteristics
(pH, OM, CEC, etc.)

### Nutrient Recommendations

- **Required:** Municipal Biosolids & Septage High Use Fields
- **Recommended:** Industrial WW & Sludge, Septage
“Top Five” Tips

1. Submit a complete package
   - 53 Form, Proof of Ownership, Aerial/Soil Map, Field Authorization Form, Soil Test Report

2. Identify features (houses, drainageways, streams, etc.)

3. Verify the site meet code requirements (suitable soils, setback restrictions, etc.)?

4. Provide notes on 53 form (transfer site?, request winter spreading?, etc.)

5. Provide field data (if available) for potentially restricted soils
Questions?
Feel free to contact me via phone or email

Email: Stephen.Warrner@Wisconsin.gov

Phone: (920) 387-7870