<table>
<thead>
<tr>
<th>Requirement/prohibition</th>
<th>Pre-treatment - pathogen reduction requirement</th>
<th>Administrative Code</th>
<th>Land application/spreading/treatment requirements, restrictions and prohibitions on pathogen containing wastes</th>
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<tr>
<td><strong>NR 204</strong></td>
<td>meet fecal coliform limit* or use of pathogen reduction pre-treatment process [ss. NR 204.07(b)(b)]</td>
<td>Dept. approval of specific site design, construction, operation and monitoring [ss. NR 214.12, .14, .15 &amp; .16]</td>
<td>Land application/spreading/treatment requirements, restrictions and prohibitions on pathogen containing wastes</td>
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<td><strong>NR 113</strong></td>
<td>pathogen reduction by pH adjustment, or use of site restrictions [ss. NR 113.07(b)(d)]</td>
<td>If fecal coliform limit** met prior to infiltration min. 2' to bedrock or groundwater allowed</td>
<td>Industrial wastes - landspreading of liquid wastes, by-product solids and sludges</td>
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<tr>
<td><strong>NR 214</strong></td>
<td>min. of 3' to bedrock or groundwater [ss. NR 214.17(2)(i) &amp; ss. NR 214.18(2)(ii)]</td>
<td>Dept. approval of specific site design, construction, operation and monitoring [ss. NR 214.12, .14, .15 &amp; .16]</td>
<td>Domestic wastewater - treatment and dispersal to the subsurface</td>
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<tr>
<td><strong>SPS 383</strong></td>
<td>min. of 3' to bedrock or groundwater [ss. NR 214.18(2)(i)]</td>
<td>Approval of specific system plans and specifications required prior to installation [ss. NR 206.05 &amp; .07]</td>
<td>Municipal wastewater (and large scale domestic treatment system wastewater) - discharge to groundwater</td>
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<tr>
<td><strong>NR 206/NR 110</strong></td>
<td>min. of 5' to bedrock or groundwater [ss. SPS 383.44(4)(b)], min. of 5' required for sandy soils w/&gt; 35% coarse fragments; note 2' allowed if fecal coliform limit** met prior to infiltration</td>
<td>Dept. approval of specific site design, construction, operation, and management and monitoring [ss. NR 206.05 &amp; .07]</td>
<td></td>
</tr>
</tbody>
</table>

**Restrictions on areas subject to ponding, saturated soils, during significant rainfall events**

- Industrial wastes - landspreading of liquid wastes, by-product solids and sludges
- Domestic wastewater - treatment and dispersal to the subsurface
- Municipal wastewater (and large scale domestic treatment system wastewater) - discharge to groundwater

**Restrictions on highly permeable soils**

- Industrial wastes - landspreading of liquid wastes, by-product solids and sludges
- Domestic wastewater - treatment and dispersal to the subsurface
- Municipal wastewater (and large scale domestic treatment system wastewater) - discharge to groundwater

**Setbacks to water supply wells**

- Industrial wastes - landspreading of liquid wastes, by-product solids and sludges
- Domestic wastewater - treatment and dispersal to the subsurface
- Municipal wastewater (and large scale domestic treatment system wastewater) - discharge to groundwater

**Setbacks to "direct conduit" features**

- Industrial wastes - landspreading of liquid wastes, by-product solids and sludges
- Domestic wastewater - treatment and dispersal to the subsurface
- Municipal wastewater (and large scale domestic treatment system wastewater) - discharge to groundwater
Restrictions on runoff

spreading must be done in manner to prevent surface runoff [s. NR 113.07(3)(b)]

volume of liquid waste limited to prevent runoff; if runoff occurs, spreading to cease immediately [s. NR 214.17(4)(d)(3)]; volume of by-product solids limited to prevent runoff of solids or leachate [s. NR 214.17(4)(e)(3)]

Dept. approval of specific site design, construction, operation and monitoring [ss. NR 214.12, .14, .15 & .16]

Approval of specific system plans and specifications required prior to installation [s. SPS 383.22]

Dept. approval of specific site design, operation, management and monitoring [ss. NR 206.05 & .07]

Restrictions on frozen or snow covered ground

landspreading prohibition on frozen/snow covered ground [s. NR 204.07(3)(i)]

prohibition on spreading during months ground is frozen or snow covered [s. NR 113.07(3)(b)]

landspreading restricted to sites w/slopes < 2% when ground frozen or snow covered [s. NR 214.17(2)(f) & s. NR 214.18(2)(f)]; liquid waste max. daily volume limited to 6,800 gal/acre/day when ground frozen or snow covered [s. NR 214.17(4)(d)(5)]

Dept. approval of specific site design, construction, operation and monitoring [ss. NR 214.12, .14, .15 & .16]

Approval of specific system plans and specifications required prior to installation [s. SPS 383.22]

Dept. approval of specific site design, operation, management and monitoring [ss. NR 206.05 & .07]

Restrictions on areas subject to ponding

landspreading prohibition on areas subject to ponding water [s. NR 204.07(3)(h)]

spreading prohibition on areas subject to ponding water [s. NR 113.07(3)(b)]

spreading allowed on slopes > 6% with incorporation or injection, no spreading on slopes > 12% [s. NR 214.17(2)(f) & s. NR 214.18(2)(f)]

Dept. approval of specific site design, construction, operation and monitoring [ss. NR 214.12, .14, .15 & .16]

Approval of specific system plans and specifications required prior to installation [s. SPS 383.22]

Dept. approval of specific site design, operation, management and monitoring [ss. NR 206.05 & .07]

Slope restrictions

no spreading allowed on slopes > 12%; allowed on slopes > 6% with incorporation or injection [s. NR 204.07(3)(a)]

spreading allowed on slopes > 6% with incorporation or injection, no spreading on slopes > 12% [s. NR 113.07(3)(b)]

landspreading limited to sites with slopes < 12% [s. NR 214.17(2)(f) & s. NR 214.18(2)(f)]

Dept. approval of specific site design, construction, operation and monitoring [ss. NR 214.12, .14, .15 & .16]

Approval of specific system plans and specifications required prior to installation [s. SPS 383.22]

Dept. approval of specific site design, operation, management and monitoring [ss. NR 206.05 & .07]

Restrictions on low permeability soil

landspreading prohibition on soils with permeability < 0.2"/hr within top 6" [s. NR 113.07(3)(b)]

no land application on fields used for growing crops consumed raw by humans [s. NR 214.17(4)(c)]

Dept. approval of specific site design, construction, operation and monitoring [ss. NR 214.12, .14, .15 & .16]

Approval of specific system plans and specifications required prior to installation [s. SPS 383.22]

Dept. approval of specific site design, operation, management and monitoring [ss. NR 206.05 & .07]

crop restrictions pathogen containing waste

no land application on fields used for growing crops consumed raw by humans [s. NR 214.17(4)(c)]

Dept. approval of specific site design, construction, operation and monitoring [ss. NR 214.12, .14, .15 & .16]

Approval of specific system plans and specifications required prior to installation [s. SPS 383.22]

Dept. approval of specific site design, operation, management and monitoring [ss. NR 206.05 & .07]

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 NR 204 Fecal Coliform limit = < 2 x 10^6 most probable number (MPN) or colony forming units (cfu)/gram (g) total solids

** SPS 383 Fecal Coliform limit = < 10^4 colony forming units (cfu)/100 milliliter (mL) sample