### Cropping Year: September 1, ______ to August 31, ______

#### EXAMPLE

<table>
<thead>
<tr>
<th>Site Code</th>
<th>Yield Goal</th>
<th>Crop</th>
<th>Acres</th>
</tr>
</thead>
<tbody>
<tr>
<td>Jones 1</td>
<td>135 bu/ac</td>
<td>Corn</td>
<td>20</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Soil OM</th>
<th>Last year's Crop</th>
<th>Recommended crop N rate</th>
<th>N Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>med.</td>
<td>Soybeans</td>
<td>80</td>
<td>20</td>
</tr>
</tbody>
</table>

#### Site Information

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<tr>
<th>Site Code</th>
<th>Yield Goal</th>
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</tr>
</thead>
</table>

#### Step 1: Maximum Allowable Nitrogen Application Rate (MANA)

- Recommended crop N rate: 80 lb/acre
- N credits: 20 lb/acre

\[
\text{MANA} = \frac{80 \text{ lb/acre}}{20 \text{ lb/acre}} = 60 \text{ lb/acre}
\]

#### Step 2: Maximum Septage Application Rate (MSAR)

- MANA Rate: 60 lb/acre
- 0.0026 conversion

\[
\text{MSAR} = \frac{60 \text{ lb/acre}}{0.0026} = 23,077 \text{ gal/acre/year}
\]

#### Step 3: Maximum Quantity of Septage for this Site

- MSAR: 23,077 gal/acre/year
- Useable Site Acres: 20

\[
\text{Maximum Quantity of Septage} = \frac{23,077 \text{ gal/acre/year}}{20} = 461,538 \text{ gal/site/year}
\]

#### Notes:

- **N credit** is the amount of nitrogen supplied by fertilizer, manure, or other wastes applied on the site.

- Recommended rates of nitrogen are from Table 7 in the MPCA guidelines or from "Fertilizer Recommendations for Agronomic Crops in Minnesota" Minnesota Extension Service Bulletin BU-6240-E.