

## 5-YEAR NMP SUBMITTAL CHECKLIST

Yes No N/A

<b>1. NMP Checklists</b>			
<ul style="list-style-type: none"> <li>- <b>NRCS 590 Checklist</b> <ul style="list-style-type: none"> <li>- Signed by certified nutrient management planner in Wisconsin; Scan in to sharepoint (not available as fillable form)</li> </ul> </li> </ul>			
<ul style="list-style-type: none"> <li>- <b>DNR Form 3400-25B</b> <ul style="list-style-type: none"> <li>- Fillable form in sharepoint; Ensure form information is consistent with information within the rest of NMP and Days of Storage calculations (i.e. Animal Units, NMP acres, manure generation amounts, etc.)</li> </ul> </li> </ul>			
<b>2. NMP Narrative (Narrative template available <a href="#">HERE</a>)</b>			
<ul style="list-style-type: none"> <li>- <b>Expected numbers of animal units currently on site at end of first year of permit term AND through the permit term.</b> <i>NR 243.12(2)(6)</i></li> </ul>			
<ul style="list-style-type: none"> <li>- <b>Expected amounts and types of manure/process wastewater produced currently AND through the permit term.</b> <i>NR 243.12(2)(6)(a)</i></li> </ul>			
<ul style="list-style-type: none"> <li>- <b>Amount of manure/process wastewater to be land applied through the permit term.</b> <i>NR 243.12(2)(6)(a)</i></li> </ul>			
<ul style="list-style-type: none"> <li>- <b>Anticipated frequency and methods of application</b> <ul style="list-style-type: none"> <li>- Seasons applications take place, equipment used, etc.</li> </ul> <i>NR 243.12(2)(6)(a)</i> </li> </ul>			
<ul style="list-style-type: none"> <li>- <b>Other methods of disposal or distribution</b> <ul style="list-style-type: none"> <li>- Offsite waste collection, distributed manure/process wastewater, special treatment of manure, etc.</li> </ul> <i>NR 243.12(2)(6)(a)</i> </li> </ul>			
<ul style="list-style-type: none"> <li>- <b>Acreage included in the NMP.</b> <ul style="list-style-type: none"> <li>- Total acres, spreadable acres, acreage owned, acreage rented/in agreements; Do acres match 3400-25b and 590 checklist?</li> </ul> </li> </ul>			
<ul style="list-style-type: none"> <li>- <b>General manure/process wastewater application requirements.</b> <i>NR 243.14(2)(b)(1-13)&amp;(c-f)</i></li> </ul>			
<ul style="list-style-type: none"> <li>- <b>Nutrient crediting requirements: NR 243.14(3); Requirements from code listed.</b> <i>NR 243.14(3)</i></li> </ul>			
<ul style="list-style-type: none"> <li>- <b>SWQMA strategies to be used by the farm.</b> <ul style="list-style-type: none"> <li>- Options 1-5.</li> <li>- At least 2 options should be selected if farm surface applies and injects/incorporates manure and process wastewater.</li> </ul> <i>NR 243.14(4)</i> </li> </ul>			
<ul style="list-style-type: none"> <li>- <b>Phosphorus management method used.</b> <ul style="list-style-type: none"> <li>- P index or Soil Test P</li> <li>- Only one strategy is selected.</li> </ul> </li> </ul>			

NR 243.14(5)(a)(1)			
<ul style="list-style-type: none"> <li>- <b>Winter spreading sites listed by field name.</b> <ul style="list-style-type: none"> <li>- Winter spreading of solid manure AND/OR emergency winter spreading of liquid manure.</li> <li>- At least 2 approvable fields submitted.</li> </ul> </li> </ul> NR 243.14(8)			
<ul style="list-style-type: none"> <li>- <b>Manure stacking sites listed by site name.</b> <ul style="list-style-type: none"> <li>- Each stacking site has unique indicator for tracking and approval.</li> </ul> </li> </ul> NR 243.141(1)&(2)&(3)&(4)			
<ul style="list-style-type: none"> <li>- <b>Record keeping reports for Annual and Daily spreading.</b> <ul style="list-style-type: none"> <li>- DNR forms 3200-123 (Annual Spreading Report) and 3200-123a (Daily Log) are recommended.</li> <li>- Are non-DNR forms submitted for approval?</li> </ul> </li> </ul>			
<b>3. Manure/Process Wastewater application Restriction Map Sets</b>			
<ul style="list-style-type: none"> <li>- <b>All required map sets are submitted. NRCS 590 via NR 243.14(1)</b> <ul style="list-style-type: none"> <li>- Non-winter (required)</li> <li>- Winter (required only on fields seeking winter approval)</li> <li>- Headland stacking (required only if farm headland stacks manure)</li> <li>- Tile line (required only if tile lines are present)</li> <li>- Manure irrigation (required only if manure irrigation is present)</li> <li>- Winter process wastewater applications (only required if winter applications of process wastewater occur)</li> </ul> </li> </ul>			
<ul style="list-style-type: none"> <li>- <b>Non-Winter set.</b> <ul style="list-style-type: none"> <li>- All fields included in the NMP.</li> <li>- If application strategy maps are being used, are maps provided for each SWQMA strategy used by the farm (i.e. surface application map set and injection/incorporation maps set)?</li> </ul> </li> </ul> NRCS 590 via NR 243.14(1)			
<ul style="list-style-type: none"> <li>- <b>Winter set.</b> <ul style="list-style-type: none"> <li>- Only needed for fields seeking approval for winter spreading of solid manure and/or emergency liquid application approval.</li> </ul> </li> </ul> NR 243.14(8)			
<ul style="list-style-type: none"> <li>- <b>Headland stacking set.</b> <ul style="list-style-type: none"> <li>- Specific polygons drawn in to show exact location; site name on map; verify site selection and criteria (Web soil survey, SNAP Maps, NRCS 313)</li> </ul> </li> </ul> NR 243.141			
<ul style="list-style-type: none"> <li>- <b>Tile line set (if fields have tile lines)</b></li> </ul>			
<ul style="list-style-type: none"> <li>- <b>Manure irrigation set (if farm has manure irrigation)</b></li> </ul> NR 214.14, NR 214.20, and NR 214.21 via NR 243.15(6) and NR 243.14			
<ul style="list-style-type: none"> <li>- <b>Winter process wastewater applications set (if farm applies process wastewater in winter)</b></li> </ul> NR 214.17(2)-(6) via NR 243.14(8)			
<b>4. Manure/Process Wastewater application Restriction Map Features</b>			
<ul style="list-style-type: none"> <li>- <b>Private wells</b> <ul style="list-style-type: none"> <li>- 100ft setback; 300ft setback for winter</li> </ul> </li> </ul>			

<i>NR 243.14(2)(b)(8)</i>			
<ul style="list-style-type: none"> <li>- <b>Community wells</b> <ul style="list-style-type: none"> <li>- 1,000ft setback</li> </ul> </li> </ul> <i>NR 243.14(2)(b)(9)</i>			
<ul style="list-style-type: none"> <li>- <b>Sub-soil restrictions</b> <ul style="list-style-type: none"> <li>- 'w' soils (&lt;24in. to groundwater)</li> <li>- 'r' soils (&lt;24in. to bedrock)</li> <li>- Fall N restricted soils.</li> <li>- Ensure CAFO 'w' and 'r' layers are turned on, not the 590 layers.</li> </ul> </li> </ul> <i>NR 243.14(2)(b)(7)</i>			
<ul style="list-style-type: none"> <li>- <b>Direct conduits to groundwater</b> <ul style="list-style-type: none"> <li>- 100ft setback (non-winter)</li> <li>- 300ft setback (winter)</li> <li>- Sinkholes, swallets, fractured BR at surface, mine shafts, non-metallic mines, tile inlets that discharge to GW quarries, and depressional GW recharge areas over shallow fractured bedrock.</li> </ul> </li> </ul> <i>NR 243.14(4)</i>			
<ul style="list-style-type: none"> <li>- <b>Wetlands</b> <ul style="list-style-type: none"> <li>- DNR layer turned on.</li> <li>- 25ft setback (non-winter)</li> <li>- 200ft setback (winter)</li> <li>- Farmed wetlands do not require a setback.</li> </ul> </li> </ul> <i>NR 243.14(4)</i>			
<ul style="list-style-type: none"> <li>- <b>Concentrated flow channels</b> <ul style="list-style-type: none"> <li>- No applications within channel</li> <li>- 200ft setback (winter)</li> <li>- Flow channels within fields, grass waterways, road ditches.</li> </ul> </li> </ul> <i>NR 243.14(7)-(8) &amp; NRCS 590 via NR 243.14(1)</i>			
<ul style="list-style-type: none"> <li>- <b>SWQMA Areas</b></li> </ul> <i>NR 243.03(66) &amp; NR 243.14(4)</i>			
<ul style="list-style-type: none"> <li>- <b>Perennial rivers/streams AND intermittent streams</b> <ul style="list-style-type: none"> <li>- 300ft area</li> <li>- Winter applications prohibited</li> </ul> </li> </ul>			
<ul style="list-style-type: none"> <li>- <b>Conduits to navigable water</b> <ul style="list-style-type: none"> <li>- 300ft area</li> <li>- Winter applications prohibited.</li> <li>- Ditches, concentrated flow channels, sinkholes, ag well heads, tile intakes, vent pipes, and grass waterways that lead to a navigable water.</li> </ul> </li> </ul>			
<ul style="list-style-type: none"> <li>- <b>Lakes/ponds</b> <ul style="list-style-type: none"> <li>- 1,000ft area</li> <li>- Winter applications prohibited.</li> </ul> </li> </ul>			
<b>5. NM3 SNAP+ 590 Assessment Report</b>			
<ul style="list-style-type: none"> <li>- <b>All fields meet the tolerable soil loss requirements 't'.</b></li> </ul> <i>NRCS 590 via NR 243.14(1)</i>			

<ul style="list-style-type: none"> <li>- <b>All fields meet PI requirements.</b> <ul style="list-style-type: none"> <li>- All fields meet P Index of 6 or less over rotation AND 12 or less annually.</li> </ul> </li> </ul> <p><i>NRCS 590 via NR 243.14(1)</i></p>			
<ul style="list-style-type: none"> <li>- <b>Fields over 100ppm soil test P meet the required target drawdown.</b> <ul style="list-style-type: none"> <li>- Drawdown P by 50% cumulative crop removal over a maximum 4-year rotation</li> <li>- This is shown in P205 target column. Is the draw down balance lower than the target balance?</li> </ul> </li> </ul> <p><i>NR 243.14(5)(2)(b)(1)</i></p>			
<ul style="list-style-type: none"> <li>- <b>Full field crop rotation years are used (not just permit term years)</b></li> </ul> <p><i>NRCS 590 via NR 243.14(1)</i></p>			
<b>6. CNM4 SNAP+ CAFO Nutrient Mass Balance Report</b>			
<ul style="list-style-type: none"> <li>- <b>Each permit year included.</b></li> </ul>			
<ul style="list-style-type: none"> <li>- <b>Manure nutrient breakdown for each source match lab test results OR averages.</b></li> </ul> <p><i>NR 243.14(2)(f)</i></p>			
<ul style="list-style-type: none"> <li>- <b>Manure/Process wastewater application volumes equal OR exceed production volumes for each source included in report.</b></li> </ul> <p><i>NR 243.14(1)(b)</i></p>			
<b>7. NM5 SNAP+ Spreading and NM Sorted by Crop Report</b>			
<ul style="list-style-type: none"> <li>- <b>Report for each permit year included.</b></li> </ul>			
<ul style="list-style-type: none"> <li>- <b>Standard fertilizer regime planned.</b></li> </ul> <p><i>NRCS 590 via NR 243.14(1)</i></p>			
<ul style="list-style-type: none"> <li>- <b>Manure applications planned are accurate to what the farm plans to spread on that field for that year.</b></li> </ul> <p><i>NR 243.14(1) &amp; (2) and NRCS 590 via NR 243.14(1)</i></p>			
<ul style="list-style-type: none"> <li>- <b>Fields &gt;50ppm P</b> <ul style="list-style-type: none"> <li>- Planned commercial P is kept under 20lbs in starter.</li> </ul> </li> </ul> <p><i>NRCS 590 via NR 243.14(1)</i></p>			
<ul style="list-style-type: none"> <li>- <b>Fields 200ppm P or greater</b> <ul style="list-style-type: none"> <li>- Prohibited from manure and process wastewater applications.</li> </ul> </li> </ul> <p><i>NR 243.14(5)(2)(b)(2)</i></p>			
<b>8. NM2 SNAP+ Compliance check report</b>			
<ul style="list-style-type: none"> <li>- <b>All crop rotation years included in report.</b></li> </ul>			
<ul style="list-style-type: none"> <li>- <b>No planned overapplications of P or N</b></li> </ul>			
<ul style="list-style-type: none"> <li>- <b>Past compliance messages addressed with explanation.</b> <ul style="list-style-type: none"> <li>- If justified, has proper documentation been submitted where needed?</li> </ul> </li> </ul>			
<ul style="list-style-type: none"> <li>- <b>All SWQMA options used by farm selected in SNAP+.</b> <ul style="list-style-type: none"> <li>- If correct SWQMA option are not selected, it may cause multiple compliance messages.</li> </ul> </li> </ul>			
<b>9. FM6 SNAP+ Soil Test Summary report</b>			
<ul style="list-style-type: none"> <li>- <b>All fields have up to date soil samples (within 4 years).</b></li> </ul> <p><i>NRCS 590 via NR 243.14(1)</i></p>			

- <b>All soil samples have been taken to the proper density</b> ( <i>1 per 5 acres minimum</i> ). <i>NRCS 590 via NR 243.14(1)</i>			
- <b>Lab name and sample number included for each field in report.</b> <i>NRCS 590 via NR 243.14(1)</i>			
<b>10. Manure Analysis</b>			
- <b>All lab analysis reports from previous permit term submitted.</b>			
- <b>If manure nutrient averages are being used for planning, the calculated averages are submitted.</b> <i>NR 243.14(2)(f)</i>			
- <b>Planned manure nutrient averages match planning manure source in the CAFO Nutrient Mass Balance Report.</b> <i>NR 243.14(2)(f)</i>			
- <b>The names of manure sources in SNAP+ match the names of the sources in the permit.</b>			
<b>11. Headland Stacking</b>			
- <b>Is headland stacking of solid manure used?</b> (If no, ignore remainder of this section)			
- <b>All proposed headland stacking sites submitted.</b> <i>NR 243.141(1)&amp;(2)&amp;(3)</i>			
- <b>Each site has a unique site name.</b>			
- <b>Site locations are submitted on field restriction maps.</b> <i>NR 243.141(1)&amp;(2)&amp;(3)</i>			
- <b>Each site meets the requirements of NR 243.141 and NRCS Standard 313, Table 9, dated December 2005.</b> <i>NR 243.141(1)&amp;(2)&amp;(3)</i>			
- <b>Manure to be stacked is 16% solids or greater.</b> - Manure analysis is submitted showing % solids of manure to be stacked. <i>NR 243.141(1)</i>			
<b>12. Manure/Process Wastewater Irrigation</b>			
- <b>Is manure/process wastewater irrigation used?</b> (If no, ignore remainder of this section)			
- <b>Irrigation questionnaire submitted.</b> <i>NR 214.14(5) via NR 243.15(6)</i>			
- <b>Irrigation narrative submitted.</b> <i>NR 214.14(5) via NR 243.15(6)</i>			
- <b>Irrigation specific restriction maps submitted.</b> - Restrictions from NR 243.14 AND NR 214.14 are shown on maps			
- <b>Drift monitoring log submitted.</b> <i>NR 214.14(5) via NR 243.15(6)</i>			
- <b>Irrigation equipment specifications submitted.</b> <i>NR 214.14(2) via NR 243.15(6)</i>			
- <b>Manure/PWW nutrient analysis test results submitted.</b> <i>NR 214.14(3) via NR 243.15(6) and NR 243.14(2)(f)</i>			
- <b>Soil tests submitted for irrigation fields.</b>			

NRCS 590 via NR 243.14(1)				
<b>13.</b>	<b>NR 151 Silurian Bedrock Targeted Performance Standards</b>			
-	<b>Are there fields with less than 20 feet to Silurian Bedrock in the NMP?</b> (If no, ignore remainder of this section.)			
-	NR 151.075 via NR 243.143			
-	<b>Silurian fields are listed in the NMP narrative</b>			
-	<b>Silurian fields are ranked for risk of pathogen delivery to groundwater.</b>			
-	Ranking included in the NMP Narrative?			
-	NR 151.075(6) via NR 243.143			
-	<b>Silurian bedrock map layers are included on restriction maps.</b>			
-	NR 151.075(4)(d) via NR 243.143			
-	<b>Pre-tillage is used for all manure applications on Silurian fields.</b>			
-	Exemptions include applications on long term no-till fields, perennial crops, or established crops.			
-	NR 151.075(10)-(12) via NR 243.143			
-	<b>Applications rates have been restricted based on depth to bedrock and soil type.</b>			
-	NR 151.075(10)-(12) via NR 243.143			
-	<b>Additional setbacks to sensitive areas have been acknowledged and added to restriction maps.</b>			
	NR 151.075(13)-(15) via NR 243.143			
-	250ft setback to private wells			
-	300ft setback to other conduits to groundwater			
-	100ft setback from concentrated flow channels leading to community well, private well, or direct conduit to groundwater.			
-	100ft setback of bedrock in a closed depression			
-	Prohibited applications on greater than 6% slope and has flow channel leading to closed depression			