

ATCP 50 and the 590 Nutrient Management Standard

NR 151 Technical Advisory Team Meeting

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DATCP's Statutory Authority

Wis. Stat. § 281.16(3)

- **DATCP is directed to do the following:**
 - **Develop and disseminate technical standards** to implement the performance standards and prohibitions set by DNR
 - **Disseminate alternative technical standards** for situations in which more than one method exists to implement the performance standards and prohibitions set by DNR
- **DATCP conservation practices and technical standards** shall at a minimum cover animal waste management, nutrients applied to the soil and cropland sediment delivery
- **Cost-Sharing:** Farms in existence before October 14, 1997 are not required to comply with the performance standards, prohibitions, conservation practices, or technical standards unless cost-sharing is available



Administrative Rule

Chapter ATCP 50, Soil and Water Resource Management Program

- ATCP 50.04 Farm Conservation Practices
 - Nonpoint source pollution control
 - Soil erosion control
 - Nutrient management plan (NMP)
 - Tillage setback
- ATCP 50.06 Installing Conservation Practices
- ATCP 50.08 Cost-Sharing Required
- ATCP 50.10 County Program
- ATCP 50.12 Land and Water Resource Management



Who needs a NMP?

- All farms,
 - When offered [70%] **cost-share** for NM
 - When accepting **manure storage cost-share**
 - When participating in **farmland preservation** program
 - When regulated under a **county ordinance** for manure storage or livestock siting
 - When regulated under a **DNR WPDES** permit
 - If issued a notice of discharge



NRCS 590 NM Standard

- Divided into 3 areas
 - Criteria for all sites
 - Criteria to protect groundwater (N)
 - Criteria to protect surface water (P)
- Updated in 2015 (2005 was previous version)
- Proposed to incorporate into ATCP 50



590 Standard Revision Team Members

Joe Bragger, Bragger Family
Dairy, UW Discovery Farms

John Koepke, Koepke Farms,
UW Discovery Farms

Kevin Masarik, Groundwater
Education Specialist, UW – Steven’s
Point

Laura Chern, Hydrogeologist,
WDNR

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Terrence Kelly, State
Agronomist, Wisconsin NRCS

Pat Murphy, State Resource
Conservationist, NRCS

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Todd Schaumberg, CCA,
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Nikki Wagner, CAFO NM
Specialist, Frontier-Servco FS

Sue Porter, Nutrient Management
Specialist, DATCP

Sara Walling, Nutrient
Management and Water Quality
Section Chief, DATCP

Tony Smith, Resource
Conservationist, Manitowoc Soil &
Water Conservation Dept.

Matt Zoschke, County
Conservationist, Clarke County LCD



What Didn't Change

- A2809 limits N and P application rates to crop need
- Soil testing
- Restriction mapping
- Meeting T
- Meet the PI or Soil Test P
- No spreading on saturated soils, no ponding, or runoff



What Didn't Change

- No spreading on:
 - Saturated soils
 - Concentrated flow channels
 - Non-harvested buffers
 - Land where vegetation is not removed
 - Fields exceeding T
- No ponding or runoff during application



590 Changes – Winter Spreading Plan

Current:

- 7,000 gal/ac limit
- No manure spreading
 - Within SWQMAs
 - On locally identified areas (ex. Sinkholes)
 - Within 200 ft upslope of direct conduits to groundwater
 - On slopes >12%

New:

- 7,000 gal/ac limit or 60 lbs P₂O₅, whichever is less
- No manure spreading
 - Within SWQMAs
 - Within 300 ft of direct conduits to groundwater, not just upslope
- No liquid manure application in February and March on:
 - DNR Well Compensation Areas for manure contamination
 - Soils with 5 ft or less to Silurian dolomite



590 Changes – Winter Spreading Plan

Current:

- Requires a winter spreading plan that identifies:
 - Areas of fields that don't have a winter restriction
 - ID Fields with low slope and erosion, high roughness, farthest from surface waters

New:

- A Winter Spreading Plan identifies:
 - Quantity of manure and/or organic by-products spread during periods of frozen or snow-covered soil, or generated in 14 days, whichever is greater
 - Capacity of storage for each manure type generated
 - Capacity for stacking manure that is $\geq 16\%$ dry matter without permanent storage.



590 Changes – Winter Spreading Plan

Current:

- 7,000 gal/ac limit
- **No manure spreading**
 - Within SWQMAs
 - On locally identified areas (ex. Sinkholes)
 - Within 200 ft upslope of direct conduits to groundwater
 - **On slopes >12%**



590 Changes – Winter Spreading Plan

New:

- Do not apply on slopes greater than 6% unless 2 of the following are implemented:
 - Contour buffer strips or contour strip cropping
 - Leave all crop residue and no fall tillage
 - Apply manure in intermittent strips on no more than 50% of the field
 - Apply manure on no more than 25% of the field during each application -minimum of 14 days between applications
 - Reduce application rate to 3,500 gallons or 30 lbs. of P_2O_5



590 Changes – Winter Spreading Plan

New:

- Do not apply to fields where concentrated flow channels are present unless 2 of the following are implemented:
 - ANY of the previous five options, or
 - No manure application within 200 ft of all concentrated flow channels;
 - Fall tillage is on the contour and slopes are less than 6%



590 Revisions – Groundwater

Current:

- Incorporate manure within 200' upslope of direct conduits to groundwater
- No manure within 50' of drinking well, unless grazing



New:

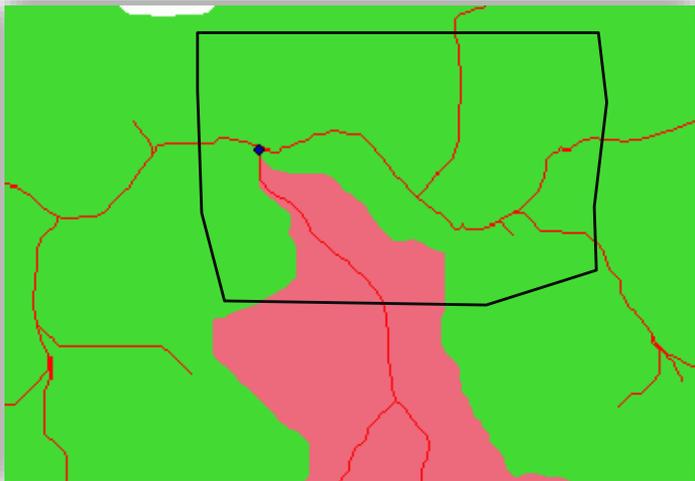
- No nutrients:
 - Within 50' of direct conduits to groundwater (within 300" in winter), unless grazing
 - Within 8' of irrigation wells
- Only manure that is treated to substantially eliminate pathogens can be applied:
 - Within 1,000' of a Community potable water well
 - Within 100' of a Non-Community potable water well (church, school, and restaurant)



590 Revisions – Groundwater

New:

- No manure can be applied to:
 - Areas identified by the Land Conservation Committee or in a conservation plan as areas contributing runoff to direct conduits to groundwater unless manure is substantially buried within 24 hours of application



590 Changes – Fall Nitrogen Restrictions

Current:

- When manure is applied to N restricted soil types, rate limits based on soil temps (50° or Sept. 15)

New:

- Practices are different depending on the soil type impairment
- Applications in the fall are limited to either 120 lbs N/acre or 90 lbs N/ac (~ half the crop need)
- Rate limits based on soil temps (50° or October 1st)



Misc. Additions and Changes

- No nutrient applications on areas of active snow melt
- Show the farm has adequate land for manure produced



ATCP 50 Timeline for Current Revision

- February 2016 – Scope statement approved
- Currently – Preparing hearing draft and related documents
- November 2016 – DATCP Board to request approval to go to public hearing
- January 2017 – Conduct public hearings
- May 2017 – Present final draft rule to DATCP Board
- Late 2017/Early 2018 – Rule becomes effective



NR 151 Revisions into ATCP 50?

- A new scope statement would need to be drafted and approved by DATCP Secretary, ATCP Board, and Governor – s. [227.135\(2\)](#)
- Without knowing the changes and additions to NR 151, it is too early to know where, what and how to amend ATCP to reflect NR 151 changes
- Anticipate 2+ years to revise ATCP 50

