

CNMP, NMP, PMP

(Too many initials, too little information)

Pat Murphy NRCS

# 2002 Farm Bill

- Farm Security and Rural Investment Act of 2002, passed by congress May 2, 2002.
  - Emphasis on environmental protection of agricultural land in production.
  - 80% projected increase in funding for existing and new conservation programs.
  - Emphasis on using non-federal personnel to implement increased farm bill workload.

# Technical Service Providers

- 1985 Farm Bill first mention of TSP. No mechanism in previous farm bills to implement until 2002!
- Technical Assistance funding through direct contracting with participant or procurement.
- TSP sources must be certified by NRCS (CNMP,NMP,PMP), must follow NRCS standards, must accept liability for services provided.

# CNMP

- Comprehensive Nutrient Management Plans
  - Unique to livestock operations.
  - Required for all livestock operations that receive USDA funding for manure storage.
  - Purpose is to address all environmental threats associated with animal feeding operations.
  - CNMP certification required for anyone who certifies CNMP for cost-sharing purposes.

# CNMP Content

- Evaluation of all sources of waste water generated on the livestock production site.
- Evaluation of integrity of all existing animal waste storage structures.
- Development of an Emergency Action Plan.
- Development of a Nutrient Management Plan that includes a Phosphorus strategy.

# CNMP Content cont.

- Record keeping for Nutrient Management Plan implementation including rate, form and placement of nutrients and manure transferred to other operations.
- Voluntary implementation of feed management strategies to reduce P.
- Voluntary implementation of practices to reduce offsite impacts (odor, visual).

# CNMP Certification

(Non-engineering)

- Mandatory training:
  - Local, Federal and Tribal Regulations Impacting Animal Waste Storage.
  - NRCS Practice Technical Standards and References for CNMP.
  - Training for Nutrient Management Planners.
  - Use and Interpretation of the Wisconsin Phosphorus Index.
  - Site Evaluation and CNMP Development Exercise.

# CNMP Certification cont.

- Certification of proficiency in agronomy (CCA, ARCPACS, NAICC).
- Demonstrated proficiency in the use of the WI NRCS 590 Nutrient Management Technical Standard, Phosphorus Index (Criterion 1) and Soil Test Limits (Criterion 2) and identification of areas where nutrient application is prohibited or restricted.



# NMP

- Nutrient Management Plan based on the current (July 2002) NRCS 590 Nutrient Management Technical Standard.
  - Current standard includes the technical requirements for land application of manure to meet CNMP requirements.
  - Refine protection of groundwater and surface water through risk assessments and restrictions on nutrient application rate and timing.

# NMP content

## (QAT Checklist)

- Farm aerial photographs.
- Soil maps.
- Soil test reports.
- Conservation plan (soil loss to T).
- Field by field nutrient application rates based on crop to be grown, soil yield potential, nutrient credits for previous year's crop and nutrient applications.

# NMP Content cont.

- Nutrient application prohibition areas.
- Nutrient application restriction areas.
- BMP's to reduce nutrient runoff (buffers, reduced tillage, cover crop).
- Manure volume; generated, collected, hauled offsite and nutrient content.
- Calibration records of application equipment.

# NMP Certification

- Professional certification in agronomy.
  - Certified Crop Advisor
  - ARCPACS
  - NAICC

»Or<<

- NRCS Certified Conservation Planner and Managing Nutrients of Wisconsin Soils (UW Soils Dept.) or NRCS Nutrient and Pest Management on line training.

# PMP

- Pest Management Plan minimum content based on the DRAFT 595 NRCS Pest Management Standard.
  - Environmental risk assessment
    - WINPST, Groundwater, T&E Species
  - Risk mitigation strategies
  - IPM Approach
  - Application according to label

# PMP Certification

- Mandatory training:
  - Pest management track of NRCS Nutrient and Pest Management on-line training.
  - Wisconsin facilitated session NRCS Nutrient and Pest Management on-line training.
  - Commercial Pesticide Applicator Training.
  - Tools for Pest Management Planning.
  - Annual attendance of Regional UWEX Crop Scouting and Pest Management Workshops.

# PMP Certification cont.

- Possession of professional certification in agronomy such as CCA, ARPACS, NAICC.
- Demonstrated proficiency in development of a conservation planning resource and risk assessment.
  - Identify on-site environmental risks
  - Develop alternatives to minimize risks
  - Cooperatively develop strategy to address risks and crop production goals.

# TSP Tasks

- Status Reviews (CRP, EQIP, Compliance)
- Conservation plan revisions (soil loss)
- Nutrient Management Plans
- HEL, wetland determination data collection
- Conservation practice layout (buffers, contours, strips, tillage, cover crops, conservation cover seedings).



# Additional TSP Certifications

- For specific TSP tasks a certification process will be developed. Certification will define the training that is required and a definition provided for “demonstrated proficiency”. Quality assurance and continuing education requirements will also be established.

# TSP Implementation

- Apply to WI NRCS for certification via web site (<http://www.wi.nrcs.usda.gov>)
  - Individual certification
  - Public agency certification
  - Private Sector (profit and non-profit)

# TSP Application

- Application process will be provided to document training, experience, certifications necessary to qualify as a TSP.
- Successful applicants will enter into a certification agreement that defines the terms of certification, details ethical and legal restrictions and assigns liability.

# Contact Information

- Pat Murphy, State Resource Conservationist
  - 6515 Watts Rd., Suite 200
  - Madison, WI 53719-5890
  - 608-276-8732 ext. 258
  - [pat.murphy@wi.usda.gov](mailto:pat.murphy@wi.usda.gov)