

COMPREHENSIVE NUTRIENT MANAGEMENT PLAN EVALUATION DOCUMENTATION WORKSHEET

Landowner/Operator: _____

Farm: _____

Evaluation and Assessment of the Resource Inventory Data Collected:

The resource data collected is used to clearly define the existing natural resource conditions, resource limitations, determine the resource concerns to be addressed, cause and effect relationships of alternative treatment measures to maximize potential use of each resource and provide information regarding the future resource condition for its desired use. The checklist for each evaluation element is used to describe conditions within or near the planning unit for resource considerations.

WELLS EVALUATION

1. Evaluate all potential contamination sources of all wells (active and inactive) based on inventory data collected:

2. Evaluate inactive and abandoned well closures to determine if compliant with state well codes:
 - a. Describe benchmark conditions:

3. List all identified resource concerns:
 - a. Describe the evaluation tools, technical documents, and/or federal, state and local water quality data and/or laws used to identify the resource concern(s):

- b. List all alternative treatment measures used to address the identified resource concern(s):

 - c. Describe the Conservation Practice physical effects of the selected treatment alternative(s) used to sustain and/or improve the identified resource concern(s):

 - d. Describe the treatment alternative(s) that were discussed with the landowner:

 - e. Alternative(s) selected by the client:
4. If no resource concern is identified, document why no potential concern exist:

Reference Documents:

<http://dnr.wi.gov/topic/drinkingwater/documents/pubs/youandyourwell.pdf>

Wisconsin State Private Well Code Natural Resource Law – 812

For other potential contamination sources and required separation distances from potable and non-potable wells, refer to WI-DNR NR-812, Table A, located in section 812.08

Groundwater Protection – WI DNR Natural Resource Law – 820

Well Certification and Construction Reports – form 3300

Assessment Tools:

Wisconsin State Private Well Code Natural Resource Law – 812

Well Test Results

Well Construction Reports

Well Checklist

4. If no resource concern is identified, document why no potential concern exist:

Reference Documents:

Wisconsin Statute 95.50 – Disposition of Carcasses
Client’s Emergency Management Plan
Client’s Biosecurity Plan

Assessment Tools:

Wisconsin Statute 95.50 – Disposition of Carcasses
Animal Mortality Disposal Checklist

MEDICAL WASTE DISPOSAL PROCEDURES EVALUATION

1. Evaluate potential risk associated with the current plan for storage and disposal of used sharps and other medical waste products:
2. Evaluate medical waste disposal procedures to determine if compliant with the Natural Resource Law 502 - Disposal:
 - a. Describe benchmark conditions:
3. List all identified resource concerns:
 - a. Describe the evaluation tools, technical documents, federal, state and local water quality data or laws used to identify the resource concern(s):
 - b. List all treatment alternatives to address the identified resource concern(s):

- c. Describe the Conservation Practice physical effects of the selected treatment alternatives used to sustain and/or improve the identified resource concern(s):

 - d. Describe the treatment alternative(s) that were discussed with the landowner:

 - e. Alternative(s) selected by the client:
4. If no resource concern is identified, document why no potential concern exist:

Reference Documents:

Wisconsin Laws on Animal Medical Waste located at <http://dnr.wi.gov/files/pdf/pubs/wa/wa840.pdf>

Assessment Tools:

Wisconsin Laws on Animal Medical Waste
Medical Waste Disposal Checklist

DISPOSAL OF PLASTIC AND OTHER SOLID WASTE MATERIALS EVALUATION

1. Evaluate environmental risks associated of the storage and disposal of solid waste material:

2. Evaluate solid waste disposal procedures to determine if compliant with DNR Open Burning of Solid Waste requirements:
 - a. Describe benchmark conditions:

3. List all identified resource concerns:

- a. Describe the evaluation tools, technical documents, federal, state and local air/water quality data or laws used to identify the resource concern(s):

- b. List all treatment alternatives to address the identified resource concern(s):

- c. Describe the Conservation Practice physical effects of the selected treatment alternatives used to sustain and/or improve the identified resource concern(s):

- d. Describe the treatment alternative(s) that were discussed with the landowner:

- e. Alternative(s) selected by the client:

4. If no resource concern is identified, document why no potential concern exist:

Reference Documents:

Disposal and Open Burning of Solid Waste (Wisconsin DNR)
Plastic and other solid waste material disposal checklist

Assessment Tools:

Plastic and other solid waste material disposal checklist
Product labels
Material Safety Data Sheets

STORAGE AND DISPOSAL OF HAZARDOUS PRODUCTS EVALUATION

1. Evaluate risk associated with storage and disposal of hazardous products on the farm:

- a. Humans and Livestock (air quality, fire, etc.):

 - b. Environmental (fire, weather, sensitive features, etc.):
2. Evaluate if the storage and disposal of hazardous products is in compliance with material safety data sheets and label requirements:
- a. Describe benchmark conditions:
3. List all identified resource concerns:
- a. Describe the evaluation tools, technical documents, federal, state and local water quality data or laws used to identify the resource concern(s):

 - b. List all treatment alternatives to address the identified resource concern(s):

 - c. Describe the Conservation Practice physical effects of the selected treatment alternatives used to sustain and/or improve the identified resource concern(s):

 - d. Describe the treatment alternative(s) that were discussed with the landowner:

e. Alternative(s) selected by the client:

4. If no resource concern is identified, document why no potential concern exist:

Reference Documents:

Product labels
Material Safety Data Sheets

Assessment Tools:

Product labels
Material Safety Data Sheets
Storage and Disposal of Hazardous Materials checklist

PETROLEUM STORAGE EVALUATION

1. Evaluate the risk associated with the storage of petroleum fuel on the farm:
 - a. Humans and Livestock (air quality, fire/explosion, etc.):

 - b. Environmental (fire, weather, sensitive features, wells, etc.):

2. Evaluate the procedures for all the petroleum fuel types stored above, and below ground. Comply with Wisconsin laws governing above and below ground storage tanks:
 - a. Describe benchmark conditions:

3. List all identified resource concerns:

- a. Describe the evaluation tools, technical documents, federal, state and local water quality data or laws used to identify the resource concern(s):

 - b. List all treatment alternatives to address the identified resource concern(s):

 - c. Describe the Conservation Practice physical effects of the selected treatment alternatives used to sustain and/or improve the identified resource concern(s):

 - d. Describe the treatment alternative(s) that were discussed with the landowner:

 - e. Alternative(s) selected by the client:
4. If no resource concern is identified, document why no potential concern exist:

Reference Documents:

Wisconsin laws governing above and below ground storage tanks can be located at the following link:

http://docs.legis.wisconsin.gov/code/admin_code/atcp/090/93

"CNMP Quick Reference for Fuel Tanks"

Client's Emergency Management Plan

Material Safety Data Sheets

Assessment Tools:

Petroleum Storage Inventory checklist

Wisconsin Commerce Code 10

PESTICIDE STORAGE AND MIXING EVALUATION

1. Evaluate the risk associated with pesticide storage, mixing and loading sites on the farm:

- a. Humans and Livestock (spills, fire/explosion, etc.):

 - b. Environmental (spills, fire/explosion, location to sensitive features, wells, weather etc.):

 - c. Disposal of unused products and empty containers:
2. Evaluate the procedures for storing and the mixing of pesticides to determine if compliant with federal, state and local regulations:
 - a. Describe benchmark conditions:
3. List all identified resource concerns:
 - a. Describe the evaluation tools, technical documents, federal, state and local water quality data or laws used to identify the resource concern(s):

 - b. List all treatment alternatives to address the identified resource concern(s):

 - c. Describe the Conservation Practice physical effects of the selected treatment alternatives used to sustain and/or improve the identified resource concern(s):

d. Describe the treatment alternative(s) that were discussed with the landowner:

e. Alternative(s) selected by the client:

4. If no resource concern is identified, document why no potential concern exist:

Reference Documents:

Wisconsin Administrative Code Chapter ATCP 29, Pesticide Use and Control
Wisconsin Administrative Code, Chapter ATCP 30, Pesticide Product Restrictions
Product Material Safety Data Sheets
Product Labels
Wisconsin Department of Agriculture, Trade and Consumer Products—Agricultural Clean Sweep Program.
Client’s Emergency Management Plan

Assessment Tools:

Pesticide storage and mixing checklist
Materials Safety Data Sheets

BIOSECURITY

Develop a biosecurity plan specific to the operation, which may or may not include the following items:

- » Access control for visitors
- » Signage for visitors are highly visible
- » Protective clothing/boots available for use
- » Sanitizing procedures enforced
- » Controlled access and management of vehicle traffic
- » Designated parking for visitors
- » Sick or diseased animals are isolated from healthy herd
- » Vector control activities are in place for rodents, insects, and birds

Reference Documents:

Wisconsin Interagency Biosecurity Guidelines for Wisconsin (WI—Notice AO-574) dated January 8th 2005.
Interagency Biosecurity Preparedness and Response Guidelines developed by APHIS, FSA, and NRCS located at the following link: <http://www.aphis.usda.gov>

e. Alternative(s) selected by the client:

4. If no resource concern is identified, document why no potential concern exist:

Reference Documents:

"Farm Odor Reduction and Good Neighbor Recommendations"

Wisconsin Department of Agriculture, Trade and Consumer Products Livestock Siting Requirements

Assessment Tools:

Wind Erosion Prediction System

CROPLAND AND LAND TREATMENT EVALUATION

1. Evaluate the conservation management system on cropland fields:

a. Evaluate soil loss (sheet, rill, and wind) using the conservation assessment tools:

b. Evaluate ephemeral and/or gully soil loss using the conservation assessment tools:

2. List all identified resource concerns:

a. Describe benchmark conditions:

b. Develop alternative treatment measures to address the identified resource concern(s):

c. Describe the treatment alternative(s) that were discussed with the landowner:

d. Alternative(s) selected by the client:

3. If no resource concern is identified, document why no potential concern exist:

Reference Documents:

Wisconsin DNR Natural Resource Law—151—Agricultural Runoff Prohibitions
National Agronomy Manual
National Planning Procedures Handbook

Assessment Tools:

Revised Universal Soil Loss Equation
Wind Erosion Prediction System
Ephemeral and Gully Erosion worksheet

NUTRIENT MANAGEMENT EVALUATION

1. Assess the nutrient management actives for potential resource concerns:

a. Determine if known areas where runoff from cropland discharges into environmentally sensitive areas (wetlands, surface waters, conduits to groundwater):

b. Determine if annual manure production estimates match application quantities:

c. Determine if the Nutrient Management Plan has been developed to meet water quality targets within the watershed:

2. List all identified resource concerns:
 - a. Describe benchmark conditions:
 - b. Develop alternative treatment measures to address the identified resource concern(s):
 - c. Describe the treatment alternative(s) that were discussed with the landowner:
3. If no resource concern is identified, document why no potential concern exist:

Reference Documents:

Wisconsin DNR Natural Resource Law—151—Agricultural Runoff Prohibitions
National Agronomy Manual

Assessment Tools:

Wisconsin Nutrient Management Planning Tool
Revised Universal Soil Loss Equation
Wind Erosion Prediction System

FEED MANAGEMENT EVALUATION

1. Evaluate the feed management program for potential resource concerns:
 - a. Evaluate the current feed sampling program:
 - b. Evaluate current rations vs. the National Research Council recommendations and use of livestock groups:

- c. Evaluate available land base to determine if there is capacity to apply all manure nutrients annually:

 - d. Evaluate soil test phosphorus concentrations:

- 2. List all identified resource concerns:
 - a. Describe benchmark conditions:

 - b. Develop alternative treatment measures to address the identified resource concern(s):

 - c. Describe the treatment alternative(s) that were discussed with the landowner:

- 3. If no resource concern is identified, document why no potential concern exist:

Reference Documents:
U of W Feed Testing protocol

Assessment Tools:
Soil Test Results
Feed analysis

PEST MANAGEMENT EVALUATION

1. Assess the pest management activities for potential resource concerns:
 - a. Evaluate the strategies used to reduce the amount/hazard rating of pesticides used or identify potential risks:
 - b. Evaluate the strategies used to reduce development of pest resistance:
 - c. Evaluate set back restrictions to environmentally sensitive areas:

2. List all identified resource concerns:
 - a. Describe benchmark conditions:
 - b. Develop alternative treatment measures to address the identified resource concern(s):
 - c. Describe the treatment alternative(s) that were discussed with the landowner:

3. If no resource concern is identified, document why no potential concern exist:

Reference Documents:

Wisconsin Administrative Code Chapter ATCP 29, Pesticide Use and Control
Wisconsin Administrative Code, Chapter ATCP 30, Pesticide Product Restrictions
Product Material Safety Data Sheets
Product Labels
Pest Management Plan Questionnaire

Assessment Tools:

Windows Pesticide Screening Tool
Pest Management Checklist

GRAZING AND PASTURE LAND MANAGEMENT EVALUATION

1. Evaluate the grazing and pasture management activities for potential resource concerns:

2. Complete the stocking rate worksheet:

3. Evaluate the current system to determine if there are adequate acres to provide adequate forage:

4. List all identified resource concerns:
 - a. Describe benchmark conditions:

 - b. Develop alternative treatment measures to address the identified resource concern(s):

 - c. Describe the treatment alternative(s) that were discussed with the landowner:

5. If no resource concern is identified, document why no potential concern exist:

Reference Documents:

Rotational Grazing Worksheet
Continuous Grazing Worksheet
Pasture and Prescribed Grazing Checklist

Assessment Tools:

Pasture and Prescribed Grazing Checklist
Pasture Condition Score Worksheet

Resource Concerns:

Production area
Cropland erosion control/nutrient management
Nutrient Management (utilization of nutrients)
Farmstead safety and security
Pasture