

COMPREHENSIVE NUTRIENT MANAGEMENT PLAN INVENTORY DOCUMENTATION WORKSHEET

Landowner/Operator: _____

Tract Number(s): _____

Location and address of the Primary Livestock Production Facility:

Location and address of Associated Secondary Facilities:

Overview of the Farm and Livestock Operation:

Problem Identification:

Client's Objective:

Inventory of Resources:

The resource inventory is the identification of Soil, Water, Air, Plants, Animals, Energy, Human resources and special environmental concerns that are present in the planning area. The purpose of the inventory is to provide the planner with an understanding of the existing natural resource conditions, and to identify and clearly define existing or potential resource concerns necessary to convey resource conditions to the client. By involving the client in the inventory process the planner can take advantage of the client's experience and knowledge to understand the resources more completely.

CNMP Agronomy Inventory Documentation Worksheets

Landowner/Operator: _____ Date: _____

Farm: _____ Interviewer: _____

Township: _____ County: _____

Location: _____ ¼ of _____ ¼ Section _____ T _____ N, R _____ E _____ W _____

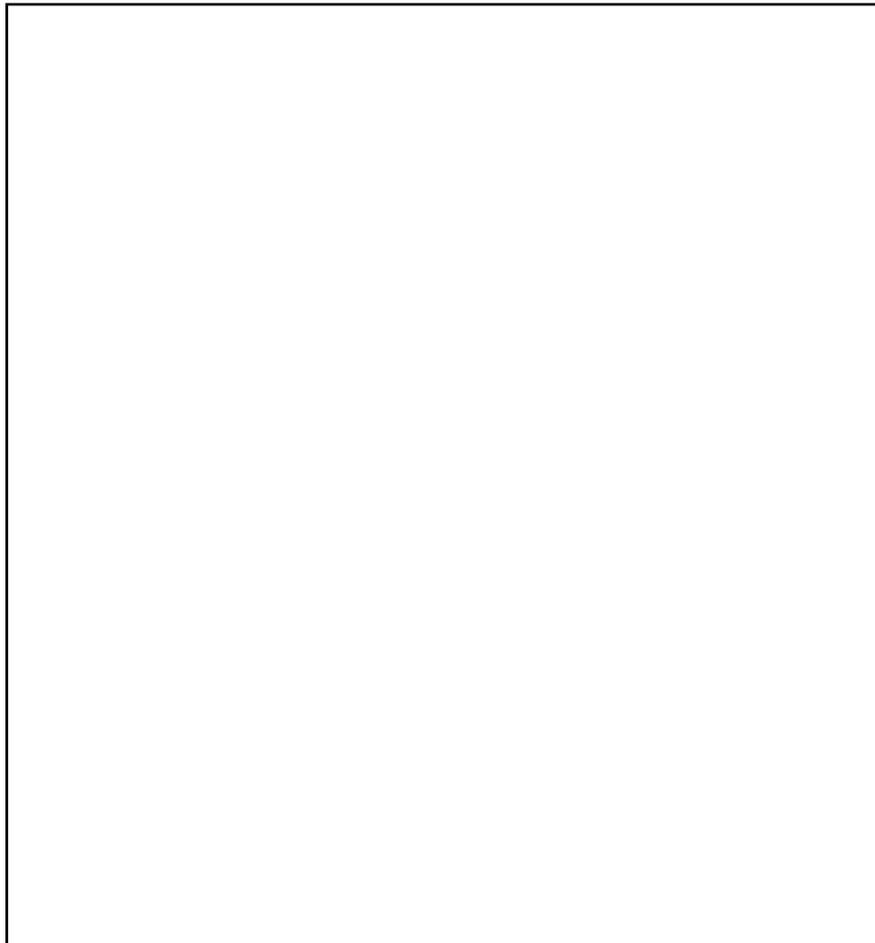
LIVESTOCK PRODUCTION FACILITY SITE SKETCH/DATA

Use this sheet, or substitute an enlarged farmstead aerial photograph to locate listed components and resources needing protection including potential contaminant sources and pathways for contaminants to reach environmental sensitive areas.

Use a separate sheet(s) for secondary production facilities, cropland, pasture and environmentally sensitive areas.

Note: NRCS Biosecurity procedures must be followed upon entry to the farm.

- a. barns
- b. animal lots
- c. cattle lanes
- d. manure storage
(including agitation pits)
- e. reception tanks
- f. manure pipelines
- g. manure flumes
- h. manure stacking pads
- i. milking center and
wastewater discharge
areas
- j. silage bunkers, bags
- k. leachate collection
- l. silos
- m. streams (perennial and
intermittent)
- n. lakes, ponds
- o. wetlands
- p. surface water runoff
(path, flow direction,
emergency containment)
- q. clean water mgmt.
practices (exist/planned)
- r. karst features
- s. fuel tank locations



- t. roads, lanes, fences
- u. property lines
- v. utilities
- w. fertilizer storage
- x. pesticide (store, mix, load)
- y. mortality storage sites
- z. electrical cutoff switch(s)
- aa. wells
- ab. planned facilities
- ac. residential
- ad. public use areas
- ae. schools, parks, hospitals, campgrounds
- af. environmentally sensitive areas

PUBLIC HEALTH AND SAFETY

Public health and safety are vital components of the CNMP. Implementing health and safety measures can protect farm families, farm communities, encourage compliance with federal, state and local environmental regulations and may improve preparedness for emergency situations.

WELLS INVENTORY

Inventory Date(s): _____

1. Identify any wells (potable, non-potable, active, inactive or abandoned wells) located in crop fields or pastures in addition to those within the livestock production site.

Well ID	Type of Construction	Estimated Depth of Casing/Well	Casings (visible portion) and Cap Condition	Any Contamination Sources Nearby?	Distance to Contamination Sources (Table A NR-812)	Surface Water Running to or Ponding at Well?	Protected from Traffic?	Bacteria/Nitrate Contamination? (if recent well test available)

2. Are there inactive or abandoned wells? Yes No (If yes, locate on the inventory map)
3. Are inactive wells properly sealed to state code? Yes No

Field Inventory Notes:

MORTALITY DISPOSAL PROCEDURES INVENTORY

Inventory Date(s): _____

1. Document the procedures for the removal, burial, or composting of animal carcasses:
2. What precautions are taken to minimize disease from spreading from mortalities?

Field Inventory Notes:

MEDICAL WASTE DISPOSAL PROCEDURES INVENTORY

Inventory Date(s): _____

1. How are veterinary medical wastes, including sharps, collected, stored, and disposed of?

Field Inventory Notes:

DISPOSAL OF PLASTIC AND OTHER SOLID WASTE MATERIALS INVENTORY

Inventory Date(s): _____

1. How are plastic materials and other solid wastes on the livestock production site collected, stored and disposed of?

Field Inventory Notes:

STORAGE & DISPOSAL OF HAZARDOUS PRODUCTS (PESTICIDES EXCLUDED) INVENTORY

Inventory Date(s): _____

1. Use the following table to document the location, and storage of hazardous materials (milking center chemicals, fertilizer, liquid fee, etc.)

Hazardous Material Location	Type of Product Stored	Type of Storage Container or Packaging (single/double wall steel tank, plastic jugs, etc.)	Quantity of Product Stored in Each Structure	Are the Contents of Storage Structure Labeled?	Distance to Nearby Well(s), Other Sensitive Areas

2. How are the unused hazardous materials (excluding pesticides) disposed of?

- What precautions have been taken to reduce risk of exposing hazardous materials to the humans, livestock, and the environment?

Field Inventory Notes:

PETROLEUM STORAGE INVENTORY

Inventory Date(s): _____

- Identify and locate all petroleum product storage sites for each livestock production site.
- Use the following table to document each petroleum product storage site.

Storage ID Number or Description	Type (i.e., gas, diesel, engine oil, solvent)	Storage Structure Type (above ground steel tank, etc.)	Maximum Capacity for Each Storage Structure	Is Secondary Containment Provided for the Storage? If yes, describe the secondary containment.	Are the Contents of Storage Structure Labeled?	Distance from the Storage Structure Distance to Adjoining Structures	Distance to Nearby Well(s), Other Sensitive Areas

- Are there unused buried petroleum storage tanks located on the primary livestock production site? Yes No

Field Inventory Notes:

PESTICIDE STORAGE AND MIXING INVENTORY

Pesticides include all forms of synthetic chemicals used to control identified pests

Inventory Date(s): _____

1. Use the following table to document the location and methods of pesticide storage (herbicides, insecticides, fungicides, etc.): N/A

Pesticide Location	Type of Product Stored	Type of Storage Container or Packaging (sing/double wall steel tank, plastic jugs, etc.)	Quantity of Product Stored in Each Structure	What precautions have been taken to minimize risk? (secondary containment, check valves, emergency response kit, etc.)	Are the Contents of Storage Structure Labeled?	Distance to Nearby Well(s), Other Sensitive Areas

2. Describe the mixing and loading sites, including surfacing material, potential for runoff and ability to recover spills:

3. Describe what periods of time (provide estimated dates) pesticides are stored):

4. How are leftover products, tank rinsate and empty containers disposed of?

Field Inventory Notes:

BIOSECURITY INVENTORY

Inventory Date(s): _____

1. Are biosecurity warning signs with instructions for visitors to follow posted on all livestock production sites where restrictions are in effect? Yes No
2. What are the current biosecurity procedures in effect on each livestock production facility?

Field Inventory Notes:

AIR QUALITY INVENTORY AND INVENTORY OF NEIGHBOR ISSUES/CONCERNS

Inventory Date(s): _____

1. Identify all on farm sources of: particulate matter (PM): direct emissions of PM, ammonia, oxides of nitrogen (NOx), volatile organic compounds (VOCs):
2. Identify all on farm sources of Ozone precursors: NOx, VOCs:
3. Identify all on farm sources of objectionable odors: VOCs, odorous sulfur compounds, ammonia:
4. Identify all on farm sources of Greenhouse gases (GHGs): carbon dioxide (CO₂), methane (CH₄), nitrous oxide (N₂O):

5. Inventory strategies currently in effect to minimize the primary livestock production facilities impact related to:

a. Odor from the production site:

b. Odor from crop fields where manure is land applied:

c. Dust:

d. Noise:

e. Tracking of mud and manure on roads:

f. Lighting:

Field Inventory Notes:

CROPLAND, LAND TREATMENT AND NUTRIENT MANAGEMENT INVENTORY

Inventory Date(s): _____

1. Inventory the current conservation management system, existing applied practices and management activities for each planning unit by completing the Conservation System Management Worksheet.

Field Inventory Notes:

Resources available: Nutrient Management Questionnaire

FEED MANAGEMENT INVENTORY

Inventory Date(s): _____

Nutrient Specialist: _____

1. Are current livestock rations available for review? Yes No
2. Are current forage analysis available for review? Yes No
3. Have feed rations been developed? Yes No
4. Are feed supplements currently utilized? Yes No
5. Document current feed sampling strategy, including timing and methods of sample collection:

Field Inventory Notes:

Resources available: Feed Management Plan Questionnaire

PEST MANAGEMENT INVENTORY

Inventory Date(s): _____

1. Do adequate records exist to verify implementation of a Pest Management Plan? Yes No
(If no, continue)

2. What insecticide, herbicide, and fungicide (or other) products does the client currently use?

3. Genetic crop traits (Bt, Round Up Ready, etc.) used:

4. Client strategies to reduce the amount of pesticides used, or identify reduced risk (such as crop scouting, etc.):

5. Record keeping system currently in place (timing, rate, and method of product application and the target pest):

6. Inventory setback restrictions to nearby environmentally sensitive features:

Field Inventory Notes:

GRAZING AND PASTURE LAND INVENTORY

Does the producer graze* or pasture* any livestock? Yes No (If yes, continue)

1. Inventory number of grazing animals (type and size), and acres of pasture and grazing land:

2. Describe the primary grass and legume plant species that make up the pasture forage:

3. Describe the condition of the pasture forage cover and average residual height:

4. Complete the Pasture Condition Score (PCS):

5. Inventory existing livestock water system (include improvements needed, location of other sources of water):

6. Identify areas with ephemeral and gully erosion, and size:

7. Identify the forage suitability groups in the grazing system:

8. Inventory any supplemental feeding of livestock on the pasture (location, method, and timing):

9. Inventory existing fencing system:

10. Inventory livestock wintering management:

11. Inventory the location and describe the condition of current lanes, access areas, and other areas of animal concentration:

Field Inventory Notes:

- » ***Grazing** land is defined as targeted forage species grown to balance livestock forage needs. Includes management of rotations and timing.
- » ***Pasture** is defined as an area where the primary source of feed for grazing livestock is forage grown on site. Supplemental feeding may occur during periods low forage production during the growing season. In a pasture 90% or more of the surface area must have a continuous vegetative cover.
- » **If >10% or more than 1 acre of the area is not maintained in forage cover, use the Engineering Inventory and Evaluation for feed lots guidance to evaluate the un-vegetated area(s).