

ENVIRONMENTAL ANALYSIS QUESTIONNAIRE
Livestock/Poultry Operations

Rev. 1-9-04

Operation Name:
Contact Person:
Title:
Operation Legal Location: ___ Quarter ___ Section ___ Town ___ Range
Name of Township: _____ County: _____
Operation Mailing Address:
Contact Person's Telephone Number:

Please fully complete each section of this questionnaire, answering each question thoroughly. Additional sheets of paper will be necessary to fully complete each question. This information will be used by the Department of Natural Resources to evaluate the impacts of your proposed project on the environment, and will supplement other materials in your application for a Wisconsin Pollutant Discharge Elimination System (WPDES) permit. If answers are incomplete or inadequate, the questionnaire will be returned to you for further information and permit issuance will be delayed.

PROJECT SUMMARY

1. **Attach the following maps and/or scaled drawings which clearly identify the location of the proposed operation:**
 - a. Plat book map
 - b. Soils map
 - c. Wetland map
 - d. USGS Topographic map
 - e. Site development drawings locating: surface waters, water supply wells, property boundaries, and other pertinent information

2. **Provide a brief overview of the project:**
 - a. Is this a proposal for a new operation, or an expansion of an existing site?

 - b. What are the existing site's characteristics (include buildings, manure storage facilities, runoff control systems, etc. on site)?

- c. What changes will be made at this site? Fully describe what kind of buildings, access roads, manure storage structures, feed storage structures, etc., are to be constructed. Please include size of structures (miles/feet of road, volumes to be stored, etc.)
- d. What is the approximate timeline for construction? (When will construction be completed? When will the animal unit goals be reached?)
- e. How much will traffic be increased during construction (short term) and/or as a result of increased transport of livestock, feed, milk, etc. (long term)? Describe any plans to address this increase in traffic.

3. Discuss the purpose or need for this project.

4. Provide the following (from calculation sheet on Form 3400-25):

	Current Status (for new operations, enter 0 here and complete next column →)	Total after Expansions Completed (indicate the total after all proposed expansions to be completed within 5 yrs.)
Animal type(s):		
Numbers of animal units:		
Products to be marketed: (milk, eggs, feeder beef/swine, market ready beef/swine, etc.)		

5. Estimate the project's cost. Include land preparation, animal housing buildings, feed storage, manure storage handling facilities, and livestock. Provide an itemized list of estimated costs.

6. List all local, state, and federal permits and approvals which are required for completion of the project.

Refer to the enclosed 'Permit Checklist' and contact your local and state government agencies to determine which permits/approvals will be required.

- a. Town and County permits/approvals:
- b. State and Federal permits/approvals:
- c. Will a floodplain or shoreland ordinance variance be needed to complete the project? [Note: The floodplain is defined as the area for which there is a one percent or greater probability of being flooded in any given year. Contact your Zoning Administrator with any questions about whether these ordinances apply to your project area and whether a variance or project alteration is needed.]

PROPOSED PHYSICAL CHANGES (More fully describe the proposal)

7. Discuss soil excavation and disturbance:

- a. Please estimate how much earth will be disturbed during construction of buildings, manure storage facilities, and other structures (please report in both cubic yards *and* acres, and include any construction that has already begun).
- b. For how many months will this disturbance occur?
- c. Will any soil be stock piled for future use? What is the source of any fill material?
- d. Will access roads need to be established (or have any already been established)?
- e. Will the operation require coverage under a DNR WPDES stormwater construction permit?
[Note: As of March 10, 2003, a WPDES stormwater permit is required for all projects that will disturb one acre or more. For agricultural operations, this does not include planting, cultivating, etc., but does include any building or construction projects. Before March 10, 2003, this permit is required for projects disturbing five acres or more.]

8. Discuss manure production on site and associated impacts:

- a. Please estimate the amount of manure that will be produced on site annually (in tons for solids and gallons for liquids), and report that amount here. [Note: The attached worksheet can be used for this estimation, but is not required.]
- b. Estimate the total pounds of nitrogen and phosphorus that will be produced annually.
- c. Report how much acreage is currently owned, and how much is rented for landspreading. After the proposed construction/expansion, what will the owned and rented acreage be?
- d. Report the average acreage for spreading on an annual basis (both current and proposed).
- e. In addition to landspreading manure, please describe any alternative manure disposal methods being proposed.
- f. Estimate quantities (gal/yr) of any proposed discharges to surface waters or wetlands (such as treated egg wash water or non-contact cooling water).

9. Discuss air quality issues associated with the proposed construction/expansion:

- a. How will odors from gaseous emissions be controlled (for example, emptying the pit when conditions are such that odors will be minimized, covering storage facilities, manure injection, siting storage facilities to take advantage of predominant breezes to keep odor away from housing, etc.)?
- b. Will fugitive dust or other particulate matter arise from the proposed project? Are there any plans to address this concern? [Note: Fugitive dust is dust arising from a process that does not go through a fan or exhaust port.]
- c. Will any hazardous pollutants (ammonia, hydrogen sulfide) be a concern arising from this project? Are there any plans to address this concern?

10. Discuss water usage at the site during and after the construction process:

- a. Please report how many wells will be on the property, along with their locations and capacity. On average, how many gallons of water is the operation expected to use for livestock/poultry drinking and cleaning operations, and any other water uses (please report in gallons per minute *and* gallons per day)? [Note: 70 gal/min or more from all wells on the property combined may require a high capacity well permit.]
- b. Will the construction process require a temporary dewatering approval (70 gal/min or more used only during the construction process)?
- c. Is there a private sewage system designed at the site for all human waste and employee/office water usage? If so, please describe its size and location.
- d. What is the average depth of groundwater at this site? How was this determined (soil borings, soil book values, etc.)?

AFFECTED ENVIRONMENT (Describe existing features that may be affected/impacted by the proposal.)

11. Discuss any disturbance to water resources that will occur during the course of the project:

- a. Will any wetlands, streams, rivers, or lakes be disturbed? Please estimate the extent of the disturbance. (For example, how many feet/acre-feet of streams will be redirected or rechannelled? How many acres of wetlands will be impacted? etc.)
- b. What are the names of any navigable waterways within the drainage area of the proposed operation and construction areas? Describe their proximities to these areas.
- c. Describe and locate any sub-surface drain tiles and ditches proposed to be installed.
- d. In what watershed(s) do you propose to landspread manure (please use DNR-designated watersheds)?
- e. Name all waterbodies classified as Outstanding or Exceptional Resource Waters that are or will be affected by the operation (including watersheds that landspreading will occur within). [Note: Contact Ann Schachte at the Department of Natural Resources at 608-267-2301 or ann.schachte@dnr.state.wi.us.]

12. To the best of your knowledge, describe the biological environment that may be affected by the proposal: [Note: The Department will supplement the information you provide here with data from its records.]

- a. What are the current cover crops (including trees) and will these be affected, destroyed, or changed in any manner?
- b. Describe any State Natural Areas or prime agricultural lands that may be disturbed. [Note: A list of State Natural Areas can be found at <http://www.dnr.state.wi.us/org/land/er/snas/bycountylist.htm>. Prime agricultural lands are designated on the USDA SCS/NRCS soil survey.]
- c. What are the dominant aquatic species currently present in the waterbodies discussed in Section 11? Describe how these species may be affected, destroyed, or changed in any manner.

- d. What terrestrial wildlife species are present (nesting/denning, feeding, migratory, etc.) and how will these be affected? Will their habitat be affected, destroyed, or changed in any manner?
- e. Are you aware of any threatened or endangered plant or animal species present? [Note: The Department will supplement the information you provide here with data from the Bureau of Endangered Resources.]

13. Describe how the proposal may affect the cultural environment through changes in land use:

- a. At the present time, what are the dominant land uses on and adjacent to the project site? Will these land uses change as a result of the proposal?
- b. What is the current zoning of the site, and will this need to or has this changed for the proposal?

14. Describe the potential positive and negative impacts of the proposal on neighboring communities:

- a. What houses, businesses and/or farms are located close to the proposed site? Please describe their proximity.
- b. How will people be positively or negatively impacted by the proposal?
- c. How will the economy of the community be affected? Include specific dollar amounts entering or leaving the community.
- d. Are any impacts on property values expected as a result of this project?
- e. How many local residents are currently employed by the operation? How many will be newly employed after expansion (if applicable)?
- f. Do you expect controversy associated with the proposed project (for example, but not limited to, concerns about particular waterbodies, odor impacts on nearby development, increased traffic, etc.)?

15. Describe how the proposal may affect the archaeological or historical settings near the site:

[Note: The Department will supplement the information you provide here with data from its historical and archeological records.]

- a. Are you aware of any archaeological areas that may be disturbed (for example, but not limited to Native American burial sites)?
- b. Are there any state or national historical sites near the proposed site (refer to the Historical Register)? Will these sites be disturbed?

ALTERNATIVES TO THE PROPOSED ACTION

- 16. Identify, describe and discuss at least three other alternatives to the proposed project. Give particular attention to the alternatives that might avoid some or all of the land and/or water resource disturbances. Why weren't these alternatives chosen? Please address the following, as well as any other options that were considered:**
- a. Have other locations been studied, and why were they not chosen? Would the other locations present a lesser negative impact to the environment?
 - b. What would happen to the environment if the proposal were enlarged or doubled?
 - c. Would the possible impacts to the environment be less if the proposed project were installed at half the proposed size?
- 17. Explain other factors that should be considered in determining the significance of the project, or any other pertinent information.**

 Person completing form (please print)

 Title/Company

 Signature

 Date



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