

## CAFO Reviewable Facilities of Systems Checklist for Livestock/Poultry Operation WPDES Permit Application

Applicants must use this form for a proposed facility or existing facility evaluation reviewable under ss. NR 243.15 or 243.16. Page 1 of this form may be used for activities reviewable under s. NR 243.17 (see list below).

### I. Operation Information

Operation		Contact		Email	
Mailing Address-Street, Route or Box			City		State
Location Address-Street, Route or Box			City		State
County		<input type="checkbox"/> City <input type="checkbox"/> Town <input type="checkbox"/> Village of		Section	Township
				Range	<input type="checkbox"/> E <input type="checkbox"/> W
Phone Number (inc. area code)	Cell Phone	Fax Number	Email		
This operation is (check one):			<input type="checkbox"/> a new CAFO <input type="checkbox"/> an existing CAFO		WPDES Permit Number

### II. Preparer Information

Company		Preparer		Email	
Mailing Address-Street, Route or Box			City		State
Phone Number (inc. area code)			Cell Phone	Fax Number	Email
Preparer is a (check one):		<input type="checkbox"/> Professional Engineer WI License No: _____ <input type="checkbox"/> Certified Agricultural Engineering Practitioner (DATCP/County/NRCS engineers or techs)			

- Reviewable Project Type (check all that apply):  Modification, check types
- Existing facility evaluation, check types (s. NR 243.16, Wis. Adm. Code)
  - Runoff control (s. NR 243.15(2))
  - Manure storage (s. NR 243.15(3) and NRCS Standard 313):
    - Lagoon       Digester (s. NR 243.15(5))       Composting (s. NR 243.15(8))
  - Storage only for process wastewater (ex: milking waste, egg wash) (ch. NR 213)
  - Manure transfer pipe, channel, reception tank, or sand separation/storage (s. NR 243.15(4) and NRCS Standard 634)
  - Feed storage area (s. NR 243.15(9))
  - Non-ag waste addition to storage or treatment systems, including digesters (s. NR 243.17(1) or (2))
  - Closure/discontinuing use of a reviewable structure or system (s. NR 243.17(7))
  - Other, list: \_\_\_\_\_

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## **The preparer and owner understand all of the following:**

- The DNR has 90 days to issue a decision once complete plans and specifications are received under ss. NR 243.15 or 243.17, Wis. Adm. Code. Evaluations under s. NR 243.16, Wis. Adm. Code are not subject to the 90 day limit. The owner must obtain all other state and local approvals.
- The number of copies required for both plans and specifications and evaluation submittals are listed on the WDNR Documentation and Electronic File Checklist, which can be found within the permit application packet or on our website at: <http://dnr.wi.gov/topic/AgBusiness/howToApplyFirstTime.html>.
- It is a violation of ch. NR 243, Wis. Adm. Code, and/or the WPDES Permit to construct reviewable facilities prior to DNR approval.
- If an Environmental Assessment (EA) is required, plans and specifications aren't complete until complete EA and/or permit application information is submitted to DNR. An approval on the plans and specifications can't be issued until the EA is final, except statutory approval 90 days after complete plans and specifications are received by DNR.
- If the project will disturb 1 acre or more area, it is a violation of ch. NR 216 to begin disturbing soil (ex: grub, grade) before obtaining a WPDES Stormwater Construction Site General Permit.
- Failure to submit all necessary information may result in rejection of the plans and specifications.

## **The preparer and owner certify all of the following:**

- I am familiar with the plans and specifications submitted for this project, and I believe all applicable items in this checklist have been addressed. I further believe the proposed project will comply with surface water and groundwater discharge limitations in s. NR 243.13.
- For proposed activities, a post-construction report will be submitted to DNR with a statement that construction conforms with applicable Wis. Adm. Code, NRCS Standards, and approved plans and specifications.

Signature of Professional Engineer/Certified Agricultural Engineering Practitioner	Date
Signature of the CAFO Representative (Operator or Manager)	Date

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**This is a summary. Also see ss. NR 243.15 or 243.16, Wis. Adm. Code, and applicable NRCS Standards. For each item, check the appropriate boxes and write the submittal page number(s) where the information is located.**

Items Applicant Must Discuss with Regional Staff	Outcome
I've contacted DNR Regional Staff to determine if an <u>Environmental Assessment (EA)</u> is required.	<input type="checkbox"/> EA not required <input type="checkbox"/> EA required
I've contacted DNR Regional Staff to determine if a NR 216 <u>WPDES Stormwater Construction Site General Permit</u> (Stormwater Permit) is required. To obtain a Stormwater Permit, submit a <u>Notice of Intent</u> .	<input type="checkbox"/> Stormwater Permit is not required (<1 acre will be disturbed); or <input type="checkbox"/> Stormwater Permit is required (≥1 acre will be disturbed); and <input type="checkbox"/> Notice of Intent has been submitted.
I've reviewed the project location on the DNR Surface Water <u>Data Viewer</u> , wetland inventory layer & wetland indicator layer, <a href="http://dnr.wi.gov/org/water/data_viewer.htm">http://dnr.wi.gov/org/water/data_viewer.htm</a> .	<input type="checkbox"/> There is no wetland or wetland indicator area near the project location, so no additional investigation concerning wetlands was conducted. <input type="checkbox"/> There is a wetland or wetland indicator area near the project location, and <input type="checkbox"/> A wetland delineation/determination has been completed & a copy is enclosed with this submittal. <input type="checkbox"/> A wetland delineation/determination has not yet been completed. When available, a copy will be submitted. Until then, this submittal is not complete.

Items Applicant Must Include in the Submittal	In Submittal?	Page(s)
<b>Project Description:</b> Project summary that identifies each facility & system to be constructed/modified/abandoned & anticipated schedule (list is helpful.)	<input type="checkbox"/> Yes	
<b>Management Assessment - Narrative:</b> Are each of the following described?	<input type="checkbox"/> Yes	
Options considered & the purpose of each proposed facility.	<input type="checkbox"/> Yes	
Physical connections between proposed facilities & existing facilities.	<input type="checkbox"/> Yes	
Animal types, bedding type, waste characterization & manure handling practices.	<input type="checkbox"/> Yes	
<b>Site Assessment - Narrative:</b> Are each of the following described?	<input type="checkbox"/> Yes	
Elevation of bedrock, seasonal high perched & regional groundwater table (RWT). (If no bedrock or saturation was encountered, estimate elevations from county soil survey, well logs & other available information.)	<input type="checkbox"/> Yes	

- What are the elevations? Bedrock: \_\_\_\_\_ ft; Perched: \_\_\_\_\_ ft; RWT: \_\_\_\_\_ ft;
- Were any of the following encountered?
  - Bedrock:  Yes  No
  - Perched Water:  Yes  No
  - RWT:  Yes  No
- What bedrock type underlies the production area? \_\_\_\_\_

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Items Applicant Must Include in the Submittal	In Submittal?	Page(s)
Depth of soil test pits/borings below the base of each reviewable facility & system. ("Base" is the top of the floor of a lagoon or tank; the bottom of the outside of a pipe; or the ground surface of a vegetated treatment area.)	<input type="checkbox"/> Yes	
<ul style="list-style-type: none"> <li>• Did each soil test pit/boring reach deep enough to demonstrate compliance with minimum required separation distances from bedrock &amp; saturation for each reviewable facility and system (NRCS 313 or 634)? <input type="checkbox"/> Yes <input type="checkbox"/> No</li> </ul>		
Locations of flood prone areas, surface water features, karst features & groundwater supply wells <1,000 ft from reviewable facilities or systems.	<input type="checkbox"/> Yes	
<ul style="list-style-type: none"> <li>• Are any proposed facilities &amp; systems located in the following areas?               <ul style="list-style-type: none"> <li>○ The site drains to an "impaired" water body: <input type="checkbox"/> Yes <input type="checkbox"/> No (<a href="http://dnr.wi.gov/org/water/wm/wqs/303d/2008/2008Updates.htm">http://dnr.wi.gov/org/water/wm/wqs/303d/2008/2008Updates.htm</a>)</li> <li>○ Surface water quality mgmt. area (SWQMA), NR 243.03(66):                   <ul style="list-style-type: none"> <li>&lt;1,000 ft from a lake, pond or flowage: <input type="checkbox"/> Yes <input type="checkbox"/> No</li> <li>&lt;300 ft from a river, stream or flood plain: <input type="checkbox"/> Yes <input type="checkbox"/> No</li> </ul> </li> <li>○ Area susceptible to groundwater contamination, s. NR 151.015(18):                   <ul style="list-style-type: none"> <li>&lt;250 ft to a non-community groundwater supply well: <input type="checkbox"/> Yes <input type="checkbox"/> No</li> <li>&lt;1,000 ft to a community groundwater supply well: <input type="checkbox"/> Yes <input type="checkbox"/> No</li> <li>&lt;2ft soil depth to bedrock or groundwater: <input type="checkbox"/> Yes <input type="checkbox"/> No</li> <li>&lt;300 ft upslope or &lt;100 ft downslope of a karst feature: <input type="checkbox"/> Yes <input type="checkbox"/> No</li> <li>&gt;3 ft<sup>2</sup> cross-section channel that flows to a karst feature: <input type="checkbox"/> Yes <input type="checkbox"/> No</li> </ul> </li> </ul> </li> </ul>		
Locations of tile drains: Inspection for potential discharge points at channels and other surface water shorelines <1,000 ft from reviewable facilities or systems. If discharge points were found, locations of tile drain pipe lengths were determined.	<input type="checkbox"/> Yes	
<ul style="list-style-type: none"> <li>&lt;1,000 ft from a tile drain discharge point: <input type="checkbox"/> Yes <input type="checkbox"/> No</li> <li>&lt;100 ft from a tile drain pipe length: <input type="checkbox"/> Yes <input type="checkbox"/> No</li> </ul>		
Characterization of borrow areas for clay liner materials.	<input type="checkbox"/> Yes	
<b>Site Assessment - Soil Logs:</b> Are soil logs included?	<input type="checkbox"/> Yes	
A soil log for each test pit/boring performed during this site assessment.	<input type="checkbox"/> Yes	
Each soil log indicates the surface elevation at the test pit location & the elevation of saturation and bedrock (if either was encountered).	<input type="checkbox"/> Yes	
<b>Safety &amp; Design Features:</b> Identify hazards to animal & people in the production area, & design features to minimize those hazards.	<input type="checkbox"/> Yes	
<b>Operation &amp; Maintenance Plan:</b> Describe how the proposed production area facilities & systems must be operated & maintained, including the following:	<input type="checkbox"/> Yes	
<ul style="list-style-type: none"> <li>• State that waste will be removed &amp; utilized in accordance with an approved NRCS 590 nutrient management plan.</li> </ul>	<input type="checkbox"/> Yes	
<ul style="list-style-type: none"> <li>• Describe methods of waste removal necessary to protect the integrity of any containment facility liners that are not constructed of concrete.</li> </ul>	<input type="checkbox"/> Yes	

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Header	Header	Header
Monitoring, inspection & maintenance requirements to ensure that containment facilities are in proper condition & do not overflow.	<input type="checkbox"/> Yes	
Contingency operations to be implemented if the maximum operating level is reached for any containment facility.	<input type="checkbox"/> Yes	
Emergency response procedures to be implemented if a spill or overflow occurs. (This is especially important if a spill might reach surface water.)	<input type="checkbox"/> Yes	
<b>Construction Plan:</b> Describe construction coordination issues.	<input type="checkbox"/> Yes	
<b>Inspection Plan:</b> List construction items for inspection, by whom.	<input type="checkbox"/> Yes	
<b>Scaled Drawings &amp; Maps:</b> Are all of the following drawings and maps included?	<input type="checkbox"/> Yes	
Location of the operation, existing & proposed facilities & systems, groundwater supply wells, soil test pits & borrow areas.	<input type="checkbox"/> Yes	
Site topography (7.5 min. topographic map, or equivalent) with surface water, concentrated flow paths, flood prone areas, sinkholes/karst features; & construction erosion control features.	<input type="checkbox"/> Yes	
Map from DNR Surface Water Data Viewer, showing both wetland inventory layer & wetland indicator layer ( <a href="http://dnr.wi.gov/org/water/data_viewer.htm">http://dnr.wi.gov/org/water/data_viewer.htm</a> ).	<input type="checkbox"/> Yes	
Detail drawings.	<input type="checkbox"/> Yes	
<b>Waste Storage Additional Requirements:</b> If new or expanded waste storage is proposed, does the submittal include all of the following? (If no waste storage is proposed, mark N/A.)	<input type="checkbox"/> Yes <input type="checkbox"/> N/A	
<b>Management Assessment:</b> Are each of the following described? <ul style="list-style-type: none"> <li>• Storage time <math>\geq</math>180 days for liquid manure (include calculations).</li> <li>• Land available for waste utilization.</li> <li>• Waste handling, transfer and removal methods.</li> <li>• Provisions for facility expansion.</li> </ul>	<input type="checkbox"/> Yes <input type="checkbox"/> N/A	
<b>Site Assessment:</b> Are potential impacts from failures identified, & is an assessment of the need for leak detection, collection & secondary containment included? <ul style="list-style-type: none"> <li>• Are any proposed manure storage facilities located in the following areas:</li> </ul>	<input type="checkbox"/> Yes <input type="checkbox"/> N/A	
<5 ft from base to saturation: <input type="checkbox"/> Yes <input type="checkbox"/> No <5 ft from base to bedrock: <input type="checkbox"/> Yes <input type="checkbox"/> No <1,000 ft from storage facility to a karst feature: <input type="checkbox"/> Yes <input type="checkbox"/> No		
<b>Scaled Drawings Additional Requirements:</b> Storage facility detail of permanent markers for Maximum Operating Level, Margin of Safety Level, & 180 Days Storage (near bottom).	<input type="checkbox"/> Yes <input type="checkbox"/> N/A	