

## Chapter NR 343

## PONDS AND ARTIFICIAL WATERWAYS

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**Note:** Chapter NR 343 was created as an emergency rule effective April 19, 2004; chapter NR 343 was repealed and recreated by an emergency rule effective August 24, 2004.

**NR 343.01 Purpose.** The purpose of this chapter is to establish criteria defining those activities needing a permit for a pond or artificial water body as required by s. 30.19 c1gd cad and camd, Stats.; and to specify permit requirements necessary to protect public health, safety, welfare, rights and interest and to protect riparian landowner[s] rights and property for pond sites regulated under this chapter.

**History:** CR 04-086: cr. Register April 2005 No. 592, eff. 5-1-05.

**NR 343.02 Applicability. c1d** POND OR ARTIFICIAL WATER BODY SITES. This chapter applies to activities regulated under s. 30.19 c1gd cad and camd, Stats. An application to construct, dredge or enlarge any part of a pond or artificial water body shall be filed with the department pursuant to ch. NR 300 by any person for any artificial water body that either:

cad Connects with a navigable waterway.

cbd Is located within 500 feet of the ordinary high water mark of an existing navigable waterway.

**Note:** This includes a stormwater management pond that does not discharge into a navigable waterway except as a result of storm events.

**c2d COMPLIANCE.** Any person responsible for the site regulated by this chapter shall comply with all applicable provisions of this chapter and the appropriate permit issued pursuant to this chapter.

**c3d EXEMPTIONS.** This chapter does not apply to any of the following:

cad The construction or repair of any public highway where public highway has the meaning given for highway in s. 340.01 c22d, Stats.

cbd Any agricultural use of land.

ccd An activity that affects a navigable inland lake that is located wholly or partly in any county having a population of 750,000 or more.

cdd Any activity that affects a portion of Lake Michigan, Lake Superior or a navigable stream that is located within a county having a population of 750,000 or more.

ced Any work required to maintain the original dimensions of an enlargement of an artificial water body done pursuant to a permit or legislative authorization under s. 30.19 c1gd cad or camd, Stats., provided appropriate erosion control practices are implemented and maintained and dredge spoils are disposed of in an appropriate manner and location.

cfid An infiltration device designed to meet the performance standards of s. NR 151.12 c5d ccd or to meet an equivalent local ordinance that requires volume reduction and is not located in a wetland or existing navigable waterway.

**Note:** The landowner of a site exempt under par. ccd or cdd is still required to submit a notice of intent under subch. III of ch. NR 216 for land disturbing construction activity of one or more acres.

cgd A sediment trap draining a maximum of 5 acres and designed to meet the performance standards of s. NR 151.11 c6d or to meet an equivalent local ordinance and is not located in a wetland or existing navigable waterway.

chd A temporary sediment basin or stormwater management pond designed to meet the performance standards of s. NR 151.11 c6d or to meet an equivalent local ordinance where the crest of the berm of the basin is more than 35 feet from the ordinary high water mark and no portion of the basin is within 100 feet of the location of any public rights feature as described in s. NR 1.06.

**Note:** Nonmetallic mining projects shall be processed under ch. NR 340 and shall meet all the standards in ch. NR 340 not ch. NR 343.

**History:** CR 04-086: cr. Register April 2005 No. 592, eff. 5-1-05; CR 22-013: am. c1d cintro.d Register June 2023 No. 810, eff. 7-1-23.

**NR 343.03 Definitions.** For the purposes of this chapter, the following definitions are applicable:

**c1d** XAgricultural use of landY means planting, growing, cultivating and harvesting of crops for human or livestock consumption, pasturing or yarding of livestock, sod farms and beekeeping.

**Note:** This definition is equivalent to the definition in s. 30.40 c1d, Stats., and differs from the definition in ss. NR 151.002 c2d and 216.42 c2d only in that beekeeping is included and tree nurseries are not included.

**c2d** XArtificial water bodyY means a proposed or existing body of water that does not have a history of being a lake or stream or of being part of a lake or stream.

**c3d** XConnects with a navigable waterwayY means any artificial waterbody that is attached by means of enlargement or by a natural or artificial channel or drainage course, or an open or closed conduit, any of which tend to confine and direct flow into the existing navigable waterway.

**c4d** XDepartmentY means the department of natural resources.

**c5d** XGradingY means the physical disturbance of the bank by the addition, removal or redistribution of soil.

**c6d** XLand disturbing construction activityY means any man-made alteration of the land surface resulting in a disturbance to soil or existing vegetative or non-vegetative soil cover that may result in stormwater runoff and lead to increased soil erosion and movement of sediment into waters of the state. Land disturbing construction activity includes clearing and grubbing, demolition, excavating, pit trench dewatering, filling and grading activities.

**c7d** XNavigable waterwayY means any body of water with a defined bed and bank, which is navigable under the laws of the state. In Wisconsin, a navigable body of water is capable of floating the lightest boat or skiff used for recreation or any other purpose on a regularly recurring basis.

**Note:** This incorporates the definition at s. 30.01c4md, Stats., and current case law, which requires a watercourse to have a bed and banks, *Hoyt v. City of Hudson*, 27 Wis. 656 c1871d, and requires a navigable waterway to float on a regularly recurring basis the lightest boat or skiff, *DeGayner & Co., Inc. v. DNR*, 70 Wis. 2d 936 c1975d; *Village of Menomonee Falls v. DNR*, 140 Wis. 2d 579 cCt. App. 1987d.

**c8d** XOrdinary high water markY means the point on the bank or shore up to which the presence and action of water is so continuous as to leave a distinct mark either by erosion, destruction of terrestrial vegetation or other easily recognizable characteristic.

**c9d** XStorm eventY means any amount of precipitation equal to or greater than 0.01 inches with a minimum time between storms of 6 hours.

**c10d** XStormwaterY means runoff from precipitation including rain, snow, ice melt or similar water that moves on the land surface via sheet or channelized flow.

**c11d** XStormwater management pondY means any temporary or permanent artificial water body designed to specifications generally accepted to reduce the water quantity or water quality impacts of stormwater and to hold water for any period of time. This does not include facilities to which this chapter is not applicable as listed in s. NR 343.02 c3d cfd, cgd and chd.

**History:** CR 04-086: cr. Register April 2005 No. 592, eff. 5-1-05.

**NR 343.04 Pond or artificial water body application.** All of the following information shall be submitted for a pond or artificial water body application:

**c1d** OWNERSHIP. A copy of the deed, lease, land contract or other document showing ownership of the project site.

**c2d** PHOTOS. Photographs that clearly show the existing project area with a size reference.

**c3d** PERMISSION. Permission from landowners for department staff to enter the site.

**c4d** PLANS. Plan drawing sheet, including at least one typical cross-section detail.

**c5d** DESCRIPTION. A narrative description of the pond or artificial water body proposal describing:

cad What the project is.

cbd Methods, materials and equipment to be used.

ccd A construction schedule and sequence of work.

cdd Erosion control plan in accordance with s. NR 216.46.

ced Site map in accordance with s. NR 343.05 c2d.

**History:** CR 04-086: cr. Register April 2005 No. 592, eff. 5-1-05.

**NR 343.05 Erosion control plan requirements. c1d** SITE-SPECIFIC PLAN. Any person required to submit an application for a pond or artificial water body under this chapter shall develop a site specific erosion control plan in accordance with s. NR 216.46 c1d to c4d.

**c2d** SITE MAP REQUIREMENTS. Each pond or artificial water body site map shall include all of the following:

cad Existing topography and drainage patterns, roads, waterways and floodplain boundaries.

cbd Location, description and elevation of a reference benchmark.

ccd Horizontal and vertical scale and north arrow.

cdd Approximate identification of the ordinary high water mark.

ced Area between the project site and the water body to be left undisturbed.

efd Boundaries of the construction site, including the area of land disturbing construction activity.

egd Drainage patterns and approximate slopes anticipated after grading activities, including the existing and proposed slope of the bank and the water level of the existing waterway.

chd Area of soil disturbance in square feet.

cid Volume of earth to be added or removed in cubic yards.

cjd Location of any disposal area for dredged or excavated materials.

ckd Location of major structural and non-structural controls identified in the erosion control plan.

cld Location of areas where stabilization practices will be employed.

cmd Areas that will be vegetated following land disturbing construction activities.

cnd Area and location of wetland acreage on the pond or artificial water body site and locations where stormwater is discharged to a surface water or wetland within one-quarter mile downstream of the pond or artificial water body site.

cod Areas used for infiltration of post-construction stormwater runoff.

cpd An alphanumeric or equivalent coordinate system for the entire construction site.

**Note:** Many of the requirements for a grading project site map are identical to the construction site map requirements of s. NR 216.46. A site map prepared to meet the requirements of s. NR 216.46 will need to add the information requested in pars. cbd to ced, cid and cjd.

**c3d** EROSION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICES. The erosion control plan shall include a description of appropriate erosion and sediment control best management practices that will be installed and maintained at the pond or artificial water body site to prevent pollutants from reaching waters of the state. The erosion control plan shall clearly describe the appropriate erosion and sediment control best management practices for each major land disturbing construction activity and the timing during the period of land disturbing construction activity that the erosion and sediment control best management practices will be implemented. The erosion and sediment control best management practices shall be designed in accordance with s. NR 216.46 c6d.

**c4d** EROSION AND SEDIMENT CONTROL TECHNICAL STANDARDS. cad Erosion control measures shall meet or exceed the technical standards for erosion control approved by the department under subch. V of ch. NR 151. Any area where topsoil is exposed during construction shall be immediately seeded and mulched or ripped to stabilize disturbed areas and prevent soils from being eroded and washed into the waterway.

**Note:** These standards can be found at the following website: <http://dnr.wi.gov/topic/stormwater/standards/>.

cbd Unless part of a permanent stormwater management system, all temporary erosion and sediment control practices shall be removed upon final site stabilization. Areas disturbed during removal shall be restored.

**History:** CR 04-086: cr. Register April 2005 No. 592, eff. 5-1-05.

**NR 343.06 Construction site inspections and maintenance.** Any person required to submit an application for a pond or artificial water body under this chapter shall follow the reporting and monitoring requirements in s. NR 216.48 c4d.

**History:** CR 04-086: cr. Register April 2005 No. 592, eff. 5-1-05.

**NR 343.07 General permit. c1d** PROCEDURES. cad General permits shall be processed according to the procedures in ch. NR 300.

cbd If the department determines that a pond or artificial water body application submitted under this section has the potential to impact an endangered or threatened species in accordance with s. 29.604, Stats., the application shall be deemed incomplete until the applicant submits documentation to demonstrate one of the following:

1. The pond or artificial water body project avoids impacts to the endangered or threatened species in accordance with s. 29.604, Stats.

2. The pond or artificial water body project has received an incidental take authorization under s. 29.604, Stats.

ccd If the applicant modifies the pond or artificial waterbody project plans to meet the requirements of par. cbd, the modified plans shall be submitted before the department may consider the application complete or authorized under a general permit.

**c2d** APPLICABLE ACTIVITIES. A pond or artificial water body project that meets the standards in sub. c3d shall be eligible for general permit coverage under ss. 30.19 c3rd cad and cbd and 30.206, Stats.

**c3d** GENERAL PERMIT STANDARDS. The department may issue a general permit for the construction, dredging or enlargement of any part of a pond or artificial water body that meets all of the standards in par. cad and either par. cbd, ccd or cdd as follows:

cad *Standards for all pond construction under general permits.* 1. The site shall meet the construction site performance standards of s. NR 151.11 for land disturbing construction activities for non-transportation projects and s. NR 151.23 for transportation projects.

2. The pond or artificial water body is designed in accordance with best management practices required for stormwater discharge permits under ch. NR 216, or to meet a local ordinance for stormwater management.

3. The pond or artificial water body may not be associated with any metallic or non-metallic mining project.

4. To stop the spread of invasive species and viruses from one navigable waterway to another navigable waterway, all equipment or portions of equipment used for constructing, operating, or maintaining the project, including tracked vehicles, barges, boats, silt or turbidity curtains, hoses, sheet piles, and pumps, shall be decontaminated for invasive species and viruses before and after use or prior to use within another navigable waterway. Decontamination activities shall be performed by taking actions specified in subd. 4. a. to c. or h. Decontamination shall include either subd. 4. d., e., f., g., or h. for any equipment, or portions of equipment, that is used in non-frozen navigable waters when the air temperature is above 19 degrees Fahrenheit at the time the decontamination procedures take place.

a. Inspect all equipment used for constructing, operating, or maintaining the project and remove all plants and animals, and other mud, debris, etc.

b. Drain all water from equipment used in navigable waters.

**Note:** This does not apply to water in closed engine cooling systems or water tanks, or containers of potable drinking water or other beverages meant for human consumption. If a tanker truck discharges water collected from navigable waters in upland areas, the tank does not require disinfection.

c. Dispose of plants and animals in the trash. An operator may not transfer plants or animals or water from one navigable waterway to another.

d. Wash equipment at a temperature of not less than 212 degrees Fahrenheit water csteam cleand.

e. Wash equipment with soap and water or high pressure water of not less than 2000 pounds per square inch.

f. Allow equipment to dry thoroughly for not less than 5 days.

**Note:** Additional drying techniques including drying through natural or mechanical means or changes in drying duration may be submitted to the department for review and approval.

g. Disinfect equipment with 200 parts per million c0.5 ounces per gallond chlorine for not less than 10 minute contact time. Every effort should be made to keep the disinfection solution and rinse water out of surface waters.

**Note:** Chlorine refers to either household bleach solution c5.25% chlorined or granular chlorine c70% calcium hypochlorited.

h. Follow the most recent department approved disinfection protocols or department approved best management practices for infested waters. The department shall maintain on its website and make available at its offices a list of the most recent disinfection protocols or department approved best management practices for invasive species and viruses.

**Note:** See the department[s website at dnr.wi.gov under the topic XWaterway and WetlandsY. Recommendations for additional disinfection or decontamination protocols or department approved best management practices may be submitted to the department for review and approval to be added to this list.

cbd *Wildlife pond.* The purpose of the pond or artificial water body shall be wetland conservation as determined under ch. NR 353 and all standards for construction of the ponds in ss. NR 353.04 and 353.05 will be met.

ccd *Landscape pond.* The pond or artificial water body does not connect with a navigable waterway and shall meet all of the following:

1. ZSeparation distance.[ No portion of the berm or pond may be any closer than 35 feet from the ordinary high water mark of any navigable waterway or within 100 feet of the location of any public rights feature as described in s. NR 1.06.

2. ZPlan.[ The pond is not part of a stormwater management plan.

3. ZWetland.[ The pond or artificial water body is not constructed, dredged or enlarged in a wetland.

4. ZFloodplain.[ The pond or artificial water body is not constructed, dredged or enlarged in the regulated floodplain.

**Note:** The applicant will need to acquire a stocking permit to place fish in any landscape pond.

5. ZExcavated material.[ Any excavated material is not temporarily or permanently placed in a wetland, floodplain or below the ordinary high water mark of a navigable waterway and is disposed of in an upland location.

**Note:** The vegetation planted in areas adjacent to or disturbed during pond construction should not include department regulated invasive plants such as purple loosestrife.

cdd *Stormwater pond.* The pond or artificial water body is a stormwater management pond that does not discharge into a navigable waterway except as a result of a storm event and shall meet all of the following:

1. ZSeparation distance.[ a. The crest of the berm of the pond or artificial water body may be no closer than 35 feet from the ordinary high water mark.

b. No portion of the pond or artificial water body may be within 100 feet of the location of any public rights feature as described in s. NR 1.06.

c. This separation distance does not include the outlet structure for the pond. An outfall below the ordinary high water mark shall comply with ch. NR 329.

2. ZWetlands.[ The pond or artificial water body may not be constructed, dredged or enlarged in a wetland.

3. ZThermal.[ The pond or artificial water body may not be designed to have a permanent pool of water that discharges to a trout stream or its upstream tributaries.

4. ZHydraulic connection.[ The pond may not be subject to inflow from the navigable waterway up to the 10-year 24-hour rainfall event.

5. ZStable outlet.[ The pond shall have a stable cnon-eroded connection to the navigable waterway.

6. ZFish.[ Fish may not be reared in the stormwater pond.

7. ZEntrapment.[ The pond or artificial water body shall be designed to prevent fish entrapment.

8. ZVegetation.[ The permanent vegetation planted in areas adjacent to or disturbed during pond construction may not be department regulated invasive plant species.

9. ZExcavated material.[ Any excavated material may not be temporarily or permanently placed in a wetland, floodplain or below the ordinary high water mark of a navigable waterway and shall be disposed of in an upland location.

**c4d IMPLEMENTATION OF CONDITIONS OF THE GENERAL PERMIT.** Any person receiving coverage under a general permit for a pond or artificial water body shall implement the conditions of ss. [NR 343.04](#) to [343.06](#) and this section.

**c5d INDIVIDUAL PERMIT REQUIRED.** cad Activities which are not exempt under s. [NR 343.02 c3d](#) or do not meet the standards in sub. [c3d](#) for a general permit issued by the department shall require an individual permit.

cbd The department has authority under s. [30.206 c3rd](#), Stats., to require an individual permit in lieu of a general permit.

**History:** CR 04-086: cr. Register April 2005 No. 592, eff. 5-1-05; CR 07-094: cr. c3d cad 4. Register November 2008 No. 635, eff. 12-1-08; correction in c2d made under s. 13.92 c4d cbd 7., Stats., Register May 2013 No. 689; CR 22-013: am. c1d cad Register June 2023 No. 810, eff. 7-1-23.

**NR 343.08 Individual permits. c1d PROCEDURES.** cad Individual permits shall be processed according to the procedures in ch. [NR 300](#).

cbd If the department determines that a pond or artificial water body application submitted under this section has the potential to impact an endangered or threatened species in accordance with s. [29.604](#), Stats., the application shall be deemed incomplete until the applicant submits documentation to demonstrate one of the following:

1. The pond or artificial water body project avoids impacts to the endangered or threatened species in accordance with s. [29.604](#), Stats.

2. The pond or artificial water body project has received an incidental take authorization under s. [29.604](#), Stats.

ccd If the applicant modifies the pond or artificial waterbody project plans to meet the requirements of par. [cbd](#), the modified plans shall be submitted before the department may consider the application complete or issue an individual permit.

**c2d APPLICABLE ACTIVITIES.** A pond or artificial waterway

project which is not authorized by a general permit under s. [NR 343.07](#) requires authorization by an individual permit pursuant to s. [30.19 c4d](#), Stats.

**c3d PONDS AND ARTIFICIAL WATERWAY STANDARDS.** Ponds or artificial waterways meeting the standards in s. [30.19 c4d ccd](#), Stats., may be authorized under an individual permit.

**History:** CR 04-086: cr. Register April 2005 No. 592, eff. 5-1-05; CR 22-013: am. c1d cad Register June 2023 No. 810, eff. 7-1-23.

**NR 343.09 Requirement for public access.** A permit issued under this chapter to construct a pond or artificial waterbody and to connect it to a navigable waterway shall require that the navigable portion of the pond or artificial waterbody be a public waterway if the connecting portion is navigable.

**History:** CR 04-086: cr. Register April 2005 No. 592, eff. 5-1-05.

**NR 343.10 Enforcement. c1d** Noncompliance with the provisions of ss. [30.19](#) and [30.206](#), Stats., this chapter, or any conditions of a general permit or individual permit issued by the department, constitutes a violation and may result in a forfeiture. The department may seek abatement under s. [30.294](#), Stats., for any activity in violation of ss. [30.19](#) and [30.206](#), Stats.

**c2d** If the activity may be authorized by a general permit under s. [30.206](#), Stats., failure of an applicant to follow the procedural requirements may not, by itself, result in abatement of the activity.

**c3d** When an after-the-fact permit application has been filed with the department, the department shall follow the procedures in ch. [NR 300](#) for violations.

**c4d** Any violation of these rules shall be treated as a violation of the statutes they interpret or are promulgated under.

**c5d** No person may construct, dredge or enlarge any part of a pond or artificial water body that connects with or is within 500 feet of a navigable waterway if the activity is not eligible for an exemption, authorized by a general permit or individual permit issued under this chapter, or otherwise authorized under this chapter.

**History:** CR 04-086: cr. Register April 2005 No. 592, eff. 5-1-05; CR 22-013: am. c3d Register June 2023 No. 810, eff. 7-1-23.