

Streambank – Integrated Bank Treatment - General Permit Application Checklist

Determine eligibility for this general permit:

- Review the project site for water resources with the Storm Water, Waterway, and Wetland Permit Viewer, <https://dnrmaps.wi.gov/H5/?viewer=SW4P>.
- Review the eligibility criteria below. If the project does not meet all eligibility criteria, it does not qualify for this General Permit. Consider adjusting the project or applying for an Individual Permit instead.

To apply:

- Apply online at <http://dnr.wisconsin.gov/permits/water>.
- Include all required attachments. Each document must be less than 15 megabytes (MB), and the overall application must be less than 200 MB or it cannot be processed. The online system offers a help guide to reduce file sizes.
- Permit review times begin when all the required application materials are received by the Department. The Department may require additional information to evaluate the project.
- If you have questions regarding your application, use the “Ask for Help” support tool in ePermitting.
- Your signed submittal of this application checklist constitutes a request that the Department review and act for CWA 401 certification.

Prior to starting any work at the project site, you are responsible for all necessary:

- Local or county permits, such as shoreland zoning, floodplain zoning, etc.
- U.S. Army Corps of Engineers (USACE) permits or approvals.
- Any other applicable federal permits or approvals.
- Tribal permits or approvals.
- Any other applicable state of Wisconsin permits or approvals.

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Required application materials:

1. **Application form** - A complete, signed application form “Water Resources Application for Project Permits (WRAPP)” (Form 3500-053). The WRAPP is part of the ePermitting process and will be completed automatically with an online application.
2. **Application Checklist** - A signed permit application checklist certifying that the applicant agrees to meet the eligibility criteria and permit conditions established in WDNR-GP6-2026.
3. **Application fee** - Payment must be submitted through the ePermitting System as part of the application process. The fee for this general permit application is \$350. Don't forget to sign and submit the application after you complete the payment.
4. **Ownership documentation** - A copy of the deed, land contract, current property tax statement or receipt sufficient to verify ownership or legal authorization to proceed.
5. **Photographs**- Clearly depict the present on-the-ground conditions of the project areas. Color images are preferred and remember that snow cover or vegetation may obscure important details. If possible, have another person stand near the project area for size reference.
6. **Site maps**- Clearly illustrate the project location, perimeter, and surrounding area, including nearby water resources (e.g., lakes, rivers, streams, wetlands), major landmarks and roads. Use the [DNR Storm Water, Waterway, and Wetland Permit Viewer](#) or a similar app to show the project area, all proposed wetland impacts, and all waterway and wetland resources on one or more maps, including:
 - Recent aerial photos of the site and surrounding area (Imagery)
 - Topographic map including the site and surrounding area (Topo and LiDAR-based elevation and contours)
 - Wetland indicators and soils (wetland indicators)
 - Wisconsin Wetland Inventory (WWI) map (WI wetland inventory)
 - Waterways on the site (surface water)
 - Designated waterways, such as ASNRI, PRF, other PNW (designated waterways)
 - Regulated floodplain (dams and floodplains, FEMA NFHIL)
7. **Plans and specifications**- Clearly and accurately show the proposed project to scale. Plans must be detailed and represent a single and complete project. Please refer to examples when developing your plans and specifications.
 - Location, dimensions and linear feet or area of the structures in the riparian zone.
 - Top, side, and cross-section views for the structures.
8. **Narrative description- Describe your proposal on a separate page. Please include:**
 - What the project is, purpose of project, and need for the project.
 - How you intend to carry out the project, including methods, materials, and equipment.
 - The proposed construction schedule and sequence of work.
 - What temporary and permanent erosion control measures will be used.
 - The location of any disposal area for dredged or excavated materials.
 - For disturbances or fill, provide a description of type, composition, and quality of materials.
 - How you plan to avoid and minimize impacts to waterways.
 - Area (e.g., linear feet, cubic yards) impacted.

Additional considerations:

- **If Endangered or Threatened Resources are present** an Endangered Resources Review may be required during the application review. This review is not required to be submitted with the application, but results may impact the permit outcome. Visit <http://dnr.wisconsin.gov/topic/ERReview/PublicPortal.html> to learn more.
- **If historical or cultural resources are present** the permit outcome may be affected.

Eligibility Criteria Application Checklist

Projects that do not meet all following criteria are not eligible for this general permit. If your project does not qualify for this permit, you may consider applying for an individual permit.

A. Pre-screening Criteria:

1. The purpose of the project is to place an integrated bank treatment structure to stabilize eroding streambank.
2. The project applicant is a riparian owner or has legal authorization from the riparian owner to undertake the project on the land shown in the application.
3. The project may be located in an *area of special natural resource interest* (ASNRI).
4. The project site is not located on federally or state designated wild or scenic river (under ss. 30.26 and 30.27, Wis. Stats.).
5. The project site is located in one of the following: (1) the Driftless Area and Prairie Pothole Region, (2) the Southeastern Wisconsin Till Plains and Chiwaukee Prairie Region, (3) an urban watershed (as identified below), or (4) is located within village or city limits.
 - i. Village or city boundaries are identified according to Tiger 2000 Census.
 - ii. Ecoregions and urban areas (depicted in the map below) are based on scientific literature characterizing the ecology of Wisconsin streams (Lyons et al. 1996; Wang et al. 1997; Lyons et al. 2001; Wang et al. 2003; and Weigel et al. 2006), Omernik 1987, and Omernik et al. 2000.

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- iii. Ecoregions and urban areas (depicted in the map below) are based on scientific literature characterizing the ecology of Wisconsin streams (Lyons et al. 1996; Wang et al. 1997; Lyons et al. 2001; Wang et al. 2003; and Weigel et al. 2006), Omernik 1987, and Omernik et al. 2000.

B. Standard Criteria:

1. The discharge will cause only minimal adverse environmental effects.
2. No activity is authorized which is likely to jeopardize the continued existence of a threatened or endangered species or a species proposed for such designation, as identified under the Federal Endangered Species Act and/or State law or which is likely to destroy or adversely modify the critical habitat of a species as identified under the Federal Endangered Species Act.
3. The activity will not result in adverse impacts to historical or cultural resources and will comply with s. 44.40, Wis. Stats., as determined by the Department.
4. The project will not occur in a mapped floodplain (official Federal Emergency Management Agency (FEMA) or local zoning map), or if the project is located in a regulated floodplain, the applicant has certified that they are working to or have obtained applicable floodplain permits or approvals from the local zoning authority.
5. The applicant has certified that they are working to obtain a local shoreland zoning authorization for the project, or the local shoreland zoning requirements have been waived. If local zoning permits are not required, the project vegetation and bank disturbance is limited to the amount necessary for project placement and erosion control practices are adequate to prevent sedimentation to surface waters.
6. The activity shall not result in significant adverse impacts to fishery spawning habitat, including obstruction of fish passage, or adversely affect bird breeding areas or substantially disrupts the movement of species that normally migrate from open water to upland or vice versa (i.e., amphibians, reptiles, and mammals) as determined by the department.
7. The project does not have the potential to negatively impact a trout fishery or cold-water community as described in ch. NR 102, Wis. Adm. Code, and the project is not proposed in an area with evidence of spring activity.
8. The project and construction must comply with water quality standards for surface waters in accordance with ch. NR 102, Wis. Adm. Code, and standards for wetlands in accordance with ch. NR 103, Wis. Adm. Code.
9. The proposed activities will not cause significant adverse impacts to undisturbed wetland plant communities on-site or adjacent to the project area.
10. This project will not flood or impede drainage of the adjacent properties or upstream properties unless appropriate signed agreements have been made with affected landowners.

C. Construction Criteria:

1. Structures shall be placed entirely within the riparian's zone of interest, as determined by one of the methods outlined in ch. NR 326, Wis. Adm. Code, or applicants have the written permission from all affected riparian landowners to proceed with structure placement in the proposed location.
2. Erosion control structures shall begin and end at a stabilized or controlled point.
3. The shoreline stabilization structure shall follow the natural contour of the shoreline. No waterward extension of the property is permitted other than what is reasonably necessary to conduct the project and protect the existing bank.
4. Structural stabilization practices shall be sloped to 1.5 horizontal to 1 foot vertical or flatter. Banks treated only with vegetation shall be sloped to 2 feet horizontal to 1 foot vertical or flatter.
5. No dredging will occur except as required for appropriate toe installation of the erosion control structure.

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6. Vegetation, such as seeding, plant plugs, and dormant plantings shall be plant species native to the area of Wisconsin where the project is located. Non-invasive cool season species such as Virginia wild rye, Timothy, alfalfa, alsike clover, orchard grass, Smooth brome grass and red top, may be incorporated into native seed mixes for the purpose of rapid stabilization of critical sites adjacent to agricultural fields. Revegetation shall follow Wisconsin NRCS Field Office Technical Guide (FOTG), Section IV, Practice Standard 643A Shoreland Habitat, found at:
<https://dnr.wisconsin.gov/sites/default/files/topic/ShorelandZoning/NRCSshorehabstandard.pdf>.
Also, consult Technical Note 1: Shoreland Habitat for vegetation planning:
<https://dnr.wisconsin.gov/sites/default/files/topic/ShorelandZoning/NRCSBioTechNote.pdf>.
7. Any grading, excavation, and land disturbance above the OHWM shall be confined to the minimum area necessary for the construction and may not exceed 10,000 square feet.
8. All equipment used for the project shall be designed and properly sized to minimize the amount of sediment that can escape into the water.
9. Follow the most recent department approved washing and disinfection protocols and department approved best management practices to avoid the spread of invasive species as outlined in ch. NR 40, Wis. Adm. Code. These protocols and practices can be found on the Department website at <https://dnr.wisconsin.gov/>, keyword “invasive species BMPs.”
10. Construction shall be accomplished in such a manner as to minimize erosion and siltation into surface waters and wetlands. All erosion and sediment control measures shall meet or exceed the applicable performance standards listed under subchapter III of Ch. NR 151, Wis. Adm. Code. Technical standards to implement the performance standards can be viewed at <https://dnr.wisconsin.gov/>, keyword “stormwater technical standard”.
11. All temporary erosion and sediment control measures should be completely removed from the wetland and/or waterbody after the installation activity is complete and the site is stabilized.
12. Any excavated material may not be temporarily or permanently placed in a wetland, floodplain or below the Ordinary High-Water Mark (OHWM) of a navigable waterway and all excavated materials shall be disposed of in an upland location.
13. This permit does not authorize impacts to wetlands.
 - This does not preclude eligibility of exemptions or eligibility of other general or individual permits. Wetland regulatory information is available at dnr.wisconsin.gov and use keyword “wetland permit”.
 - Any wetland disturbance associated with the structure placement is incidental to the structure, confined to the area within the stream channel being crossed or the immediate adjacent banks, and has been authorized and documented by a department wetland permit or exemption as required pursuant to s. 281.36, Wis. Stats.
14. To minimize adverse impacts on fish movement, fish spawning, and egg incubation periods, in-water work may not occur during any of the following time periods unless timing restrictions have been waived by the department:
 - a) September 15th through May 15th for all trout streams identified on DNR published maps. Note: To determine if a waterway is a trout stream, you may use the department trout stream maps at <https://dnr.wisconsin.gov>, keyword “trout stream maps.”
 - b) September 15th through June 15th on all Great Lakes tributaries upstream to the first dam or barrier.
 - c) November 1st through June 15th for Lake Michigan waters surrounding Door County, including Green Bay and all harbors and bays.
 - d) September 15th through July 1st for Lake Superior waters surrounding Douglas County, including St. Louis River and all harbors and bays.
 - e) March 1st through June 15th for all other waters.

Note: The local Department Fisheries Biologist may waive or modify timing restrictions in writing. To request a waiver or modification of fish spawning timing restrictions, include a request in the narrative of your permit application.

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15. The applicant shall avoid operating equipment below the OHWM. If required for project installation, the applicant must consult with the Department and shall follow the best management practices identified below to minimize adverse resource impacts:
 - i. Temporary timber matting is used to protect the lake or stream bed
 - ii. Movement on the lake or stream bed is kept to a minimum
 - iii. Equipment is kept on lake or stream bed for as little time as needed to complete the project and must be removed when not in use;
 - iv. Properly installed and maintained silt curtains and/or turbidity barriers are used around the perimeter of the project;
 - v. Pre-inspection of vehicles/equipment is done for all operating days to avoid leaks;
 - vi. Biodegradable hydraulic and engine oils are used OR a spill containment kit is on site in case of spill.

D. Criteria for New Integrated Bank Treatment Structures:

1. For projects located within village or city boundaries, or in urban watersheds, the project site must equal or exceed a Bank Erosion Potential Index (BEPI) score of 20, or the bank edge recession must equal or exceed 0.5 feet per year. For all other project locations, the project site must equal or exceed a BEPI score of 20.
 - i. The time between separate measurements shall equal or exceed 3 months during the open-water season.
 - ii. The applicant will satisfy the “equal to or greater than 0.5 feet per year” requirement by demonstrating that the bank edge recession is equal to or greater than 1.5 inches per 3 months during the open-water season.
2. The total project length may not exceed 500 linear feet of stream bank per ¼ mile of stream reach.
3. Stone toe protection associated with this project shall be clean field stone or quarry stone appropriately sized according to the USDA, NRCS Wisconsin Supplement to the Engineering Field Handbook Chapter 16 – Streambank and Shoreline Protection. These standards can be found at https://efotg.sc.egov.usda.gov/references/public/WI/EFH-16-Streambank_Shoreline_Protection.pdf.
4. Toe protection materials may not be placed above the OHWM elevation plus one (1) vertical foot in the Wisconsin Till Plains and Chiwaukee Prairie Region. Toe protection materials may not be placed above the OHWM elevation plus two (2) vertical feet in the Driftless Area and Prairie Pothole Region or when the project is located within a village or city limits, or an urban watershed. [Reference Criteria A.5. above for map identifying the ecoregions and urban watersheds for eligibility with this criterion.]
5. All stone above the OHWM shall be top-dressed (covered) with a minimum of 6 inches of topsoil.
6. Integrated Bank Treatment practices shall be sloped to 1.5 horizontal to one (1) foot vertical or flatter. Banks treated only with vegetation shall be sloped to two (2) feet horizontal to one (1) foot vertical or flatter.
7. Except for placement of biostabilization materials, no soil or similar fill material may be placed in a wetland or below the OHWM of any navigable waterway.
8. The Integrated Bank Treatment design and placement may not result in a net decrease in the density or size-structure of treefalls or logs in the water or on the bed and banks of the stream.
9. Except for the Driftless Area and Prairie Pothole Region, all trees greater than 4” diameter at breast height (DBH) proposed to be removed within 35 feet of the OHWM as part of the Integrated Bank Treatment project shall be incorporated into the waterward portion of the Integrated Bank Treatment design. [Reference Criteria A.5. above for map identifying the ecoregions and urban watersheds for eligibility with this criterion.]

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E. Criteria for Replacement Of Streambank Structure With Integrated Bank Treatment

1. The Integrated Bank Treatment may not exceed either the length of the existing structure or 300 linear feet of streambank, whichever is the shorter (lesser) length.
2. Stone associated with riverbank protection shall be clean field stone or quarry stone appropriately sized according to the USDA, NRCS Wisconsin Supplement to the Engineering Field Handbook Chapter 16 – Streambank and Shoreline Protection. Note: These standards can be found at the following website: <http://www.wi.nrcs.usda.gov/>.
3. Toe protection materials may not be placed above the OHWM elevation plus one (1) vertical foot in the Wisconsin Till Plains and Chiwaukee Prairie Region. Toe protection materials may not be placed above the OHWM elevation plus two (2) vertical feet in the Driftless Area and Prairie Pothole Region or when the project is located in an urban watershed. [Reference Criteria B.1. above for map identifying the ecoregions and urban watersheds for eligibility with this criterion.]
4. The new Integrated Bank Treatment practice shall be sloped to 1.5 horizontal to one (1) foot vertical or flatter. Banks treated only with vegetation shall be sloped to two (2) feet horizontal to one (1) foot vertical or flatter.
5. All stone above the OHWM shall be top-dressed (covered) with a minimum of 6 inches of topsoil.
6. The Integrated Bank Treatment practice may not result in a net decrease in the density or size–structure of treefalls or logs in the water or on the bed and banks of the stream.
7. Except for the Driftless Area and Prairie Pothole Region, all trees greater than 4” diameter at breast height (DBH) proposed to be removed within 35 feet of the OHWM as part of the Integrated Bank Treatment project shall be incorporated into the waterward portion of the Integrated Bank Treatment design. [Reference Criteria B.1. above for map identifying the ecoregions and urban watersheds for eligibility with this criterion.]

F. Certifications:

By checking this box, I certify that the proposed project will not occur in a mapped floodplain (official Federal Emergency Management Agency (FEMA) or local zoning map), or if the project is in a regulated floodplain, I am obtaining or have obtained applicable floodplain permits or approvals from the local zoning authority.

I certify that I have read and understand all project eligibility criteria and agree to design and construct my project in accordance with all listed eligibility criteria found in this checklist. In addition, I agree to meet all conditions required for structure placement as identified in the above-mentioned eligibility criteria.

This form may be signed electronically, pursuant to Wis. Stat. Chapter 137. By checking the electronic signature box and typing your name, you are expressing intent to sign this form and certifying that all information contained herein is true, accurate, and complete, to the best of your knowledge and belief. If you decline to sign this form electronically, you must physically sign this form and all other forms required for your project.

Signature

Date signed