

PIPELINE & POWER PLANT PRE-FILING CHECKLIST

The information listed below allows the Department of Natural Resources to more specifically determine what authorizations will be needed for water-related project aspects and to make a preliminary determination of whether compliance can be achieved or to identify modifications that can achieve compliance. This information is also required in order to complete your application to the Department of Natural Resources.

General Information

- Joint State-Federal Permit Application Form 3500-53
- Site or route map
- Locations of proposed site or route, including specific locations of waterways or wetlands to be crossed (QQ or lat-long)
- Proposed construction start and completion dates
- Project site photographs (ground, oblique or aerial)
- Pre-and post project condition diagrams for site or route – supply as many as are needed to represent installations, structures and site conditions likely to be encountered
 - Top view
 - Side view
 - Cross section view
 - Maintenance measures

Work Space and Stockpile Areas: Provide a plan view diagram indicating approximate work space and stockpile area locations. Please list and describe:

- Material to be stockpiled
- Location where material will be stockpiled

Estimated Volumes of In-channel and Upland Excavated Materials

- Total Area and Volume of Excavated Materials (square feet and cubic yards)
- Area and Volume of excavation from bed and bank of waterway
- Area and Volume of excavation from wetland
- Area and Volume of excavation from areas outside of waterway and wetlands

Dewatering/Diversion of Flow: Provide plans for the dewatering / diversion of flow / removal of standing water - supply as many plans as are needed to represent installations, structures and site conditions likely to be encountered

- Typical dewatering / diversion plans
- Methods to dewater / divert flow / treat water (if applicable)
- Where methods will be employed
- Estimated capacities and performance capabilities of proposed methods

WETLAND INFORMATION CHECKLIST

Wetland Boundary Determination

Map of wetland boundaries on a top view map of project site or route corridor (proposed alignment superimposed on Wisconsin Wetland Inventory, Natural Resources Conservation Service Wetlands and Soil Survey maps).

Wetland Delineation Information

- If the boundary was delineated by DNR, Army Corps of Engineers or Southeast Regional Planning Commission staff, provide confirmation letter and supporting map or diagram
- If the boundary was delineated by anyone else, provide all forms and information required by the January 1987 Technical Report Y-87-1 titled "Corps of Engineers Wetlands Delineation Manual", to document the supporting data, along with a supporting map or diagram.

Practicable Alternatives Analysis

The goal of the practicable alternatives analysis is to determine whether there are ways to achieve the overall project purpose that avoid, or if not then minimize, fill in wetlands as required under Wisconsin's water quality standards for wetlands (NR103, Wis. Adm. Code).

- **Description of overall project purpose**
- **List of alternatives that have been evaluated**, including but not limited to:
 - Constructing entirely on upland (alternative sites or routes that eliminate wetland fill or crossings) Describe the geographic scope of search for alternatives.
 - Rearranging proposed alignment or facilities on site or in corridor (alternative sites or routes that reduce wetland fill or crossings)
 - Construction methods to reduce wetland impacts (e.g., boring or drilling, corridor widths)
 - Maintenance methods to reduce wetland impacts (e.g., site restoration measures, alternate corridor management systems)
 - Alternative power sources or transmission options
 - No action - Proposed project not constructed
- **Logistical reasons that alternatives are not practicable**
 - Description of the logistical difficulty(ies) and nature of effect (e.g., production or service reliability, property damage, injury) for preferred option and each alternative
 - Number and characterization of effected individuals or groups (e.g., occupant, employees, consumers, others) for preferred option and each alternative

- Magnitude of effect for preferred option and each alternative
- Frequency of effect for preferred option and each alternative
- A copy of an official written determination by a municipal governing body or the state transportation agency that a discharge into a non-federal wetland is necessary for public safety, including the basis for the determination

□ **Engineering or technical reasons that alternatives are not practicable**

- Summary of analyses showing difference in ability to achieve project purpose between preferred option and each alternative
- Calculations relevant to the application of the method or standard to the preferred option and each alternative
- References to the methods or technical standards (citations to literature or professional publications) or federal, state or local standards (where they exist)

□ **Economic reasons that alternatives are not practicable**

Data should include all phases of a project or all adjacent land in common ownership. Copies of source documents or citations to supporting reference information need to be provided.

- Comparative analysis of alternative product or service sources
- Total acreage of preferred project
- Month and year that project planning began
- Property purchase date(s)
- Property purchase price(s)
- Zoning classification(s)
- Description, dates and cost of any infrastructure or improvements already made to the property
- Number, size, sale date and price of any parcels previously sold or leased
- Other indicators of financial return to date from property
- Indicators of property value, including copies of offers to purchase, appraisal report (including scope and assumptions of appraisal, source and certification of appraiser), assessor's estimated market value, or price and property description for comparable real estate sales
- Real estate tax data
- Market studies (current market conditions and trends)
- Construction cost estimates
- Financing cost estimates
- Calculation of projected amount or rate of return (comparable sales, sales or leasing rates for ultimate products, services)

Special Features/"Red Flags" within proposed utility site or corridor

1. **Y N** Is the wetland in or adjacent to an area of special natural resource interest (NR 103.04, Wis. Adm. Code)? If so, check those that apply:

- Cold water community as defined in s. NR 102.04(3)(b), Wis. Adm. Code, including trout streams, their tributaries, and trout lakes
- Lakes Michigan and Superior and the Mississippi River
- State or federal designated wild and scenic river
- Designated state riverway
- Designated state scenic urban waterway
- Environmentally sensitive area or environmental corridor identified in an area-wide water quality management plan, special area management plan, special wetland inventory study, or an advanced delineation and identification study
- Calcareous fen
- State park, forest, trail or recreation area
- State and federal fish and wildlife refuges and fish and wildlife management areas
- State or federal designated wilderness area
- Designated or dedicated state natural area
- Wild rice water listed in ch. NR 19.09, Wis. Adm. Code
- Surface water identified as an outstanding or exceptional resource water in ch. NR 102, Wis. Adm. Code

2. **Y N** According to the Natural Heritage Inventory (Bureau of Endangered Resources) or direct observations, are there any rare, endangered, or threatened plant or animal species in, near, or using the wetland or adjacent lands? If so, list the species of concern:

Information on the Wisconsin's Wetlands is available at
<http://www.dnr.state.wi.us/org/water/fhp/wetlands/index.htm>

Information on definitions and standards for wetland permitting in Wisconsin is available at <http://www.dnr.state.wi.us/org/water/fhp/waterway/wetlands.htm>