



**US Army Corps  
of Engineers**®  
New England District

**U.S. Army Corps of Engineers  
Programmatic General Permit (PGP)  
Appendix B - Required Information and Corps Secondary Impacts Checklist**

In order for the Corps of Engineers to properly evaluate your application, applicants must submit the following information along with the DES Wetlands Bureau application or permit notification forms. Some projects may require more information. For a more comprehensive checklist, go to [www.nae.usace.army.mil/reg](http://www.nae.usace.army.mil/reg) “Forms” and then “Application and Plan Guideline Checklist.” Check with the Corps at (978) 318-8832 for project-specific requirements. For your convenience, this Appendix B is also attached to the State of New Hampshire DES Wetlands Bureau application and Permit by Notification forms.

**Required information for all projects:**

- 8½”x11” plans: Locus map, plan views of the entire property and project limits with existing and proposed conditions. On each plan show the NGVD 1929 equivalent for the project’s vertical datum with the vertical units. Do not use local datum.

**Required information for Federal inland (Section 404) wetland/waterway fill projects:**

- Complete the “Corps Secondary Impacts Checklist” provided on the following page;
- Each plan should show the ordinary high water (OHW) line in the absence of a contiguous wetland.
- National Wetlands Inventory Map(s) ([www.fws.gov/wetlands/](http://www.fws.gov/wetlands/)) showing the impacted wetland system(s);
- For Minor/Major Impact Projects, delineate special aquatic sites (SAS) and special wetlands, including vernal pools [see General Condition (GC) 26].

**Information typically required for stream crossing projects (perennial and intermittent unless otherwise specified):**

- Rosgen classification for perennial streams. See Applied River Morphology, Dave Rosgen, 1996;
- PE stamp on all perennial stream projects when required by the State;
- Crossing impact analysis of hydraulic capacity, hydrogeomorphic compatibility, watershed size above a crossing, upstream and downstream direct and secondary impacts from a proposed crossing;
- Stream bank full, and bank dimensions, channel dimensions, extent of the floodplain prone area;
- Crossing impact assessment to wildlife and fisheries and aquatic organisms (pre- and post design) including direct and secondary impacts;
- Replacements: an analysis of current crossing compatibility, stability of upstream and downstream channel and bank, recent scour events, systems analysis on hydrology, ecological stability and sediment loading.

**Required information for projects in tidal waters:**

- Each plan should show the mean high water (MHW), mean low water (MLW), mean lower low water (MLLW), high tide line (HTL) or other tidal datum;
- Delineate special aquatic sites (SAS) and special wetlands (see GC 26);
- Show or state the size of the waterbody;
- Limits of any Federal Navigation Project (FNP) within 100’ of the project area and State Plane Coordinates for the limits of the proposed work closest to the FNP;
- Volume, type, and source of fill material to be discharged into waters and wetlands, including the area(s) (in square feet or acres) of fill in wetlands and the areas below the HTL.

**Required information for tidal water dredge projects:**

- Sediment testing, including physical (e.g., grain-size analysis), chemical and biological testing. For projects proposing open water disposal, applicants should contact the Corps as early as possible regarding sampling and testing protocols. Sediment sampling and testing without such contact would be at the applicant's risk;
- Any existing sediment grain size and bulk sediment chemistry data;
- Nature of material (e.g., silty sand);
- Any nearby projects;
- The area in square feet and volume of material to be dredged below HTL;
- Existing and proposed water depths;
- Type of dredging equipment to be used;
- Location of the disposal site (include locus sheet);
- Information on the location and nature of municipal or industrial discharges and occurrence of any contaminant spills in or near the project area;
- Shellfish survey;
- Identify and describe potential impacts to essential fish habitat (see GC 10);
- Delineation of submerged aquatic vegetation (e.g., eelgrass beds).

**U.S. Army Corps of Engineers  
New Hampshire Programmatic General Permit (PGP)  
Appendix B - Corps Secondary Impacts Checklist  
(for inland wetland/waterway fill projects in New Hampshire)**

1. Attach any explanations to this checklist. Lack of information could delay a Corps permit determination.
2. All references to “work” include all work associated with the project construction and operation. Work includes filling, clearing, flooding, draining, excavation, dozing, stumping, etc.
3. See PGP, GC 5 regarding single and complete projects.
4. Contact the Corps at (978) 318-8832 with any questions.

<b>1. Impaired Waters</b>	Yes	No
1.1 Will any work occur within 1 mile upstream in the watershed of an impaired water? See <a href="http://des.nh.gov/organization/divisions/water/wmb/section401/impaired_waters.htm">http://des.nh.gov/organization/divisions/water/wmb/section401/impaired_waters.htm</a> to determine if there is an impaired water in the vicinity of your work area.*		
<b>2. Wetlands</b>	Yes	No
2.1 Are there are streams, brooks, rivers, ponds, or lakes within 200 feet of any proposed work?		
2.2 Are there proposed impacts to SAS, shellfish beds, special wetlands and vernal pools (see PGP, GC 26 and Appendix A)? Applicants may obtain information from the NH Department of Resources and Economic Development Natural Heritage Bureau (NHB) website, <a href="http://www.nhnaturalheritage.org">www.nhnaturalheritage.org</a> , specifically the book <a href="#">Natural Community Systems of New Hampshire</a> .		
2.3 If wetland crossings are proposed, are they adequately designed to maintain hydrology, sediment transport & wildlife passage?		
2.4 Would the project remove part or all of a riparian buffer? (Riparian buffers are lands adjacent to streams where vegetation is strongly influenced by the presence of water. They are often thin lines of vegetation containing native grasses, flowers, shrubs and/or trees that line the stream banks. They are also called vegetated buffer zones.)		
2.5 The overall project site is more than 40 acres.		
2.6 What is the size of the existing impervious surface area?		
2.7 What is the size of the proposed impervious surface area?		
2.8 What is the % of the impervious area (new and existing) to the overall project site?		
<b>3. Wildlife</b>	Yes	No
3.1 Has the NHB determined that there are known occurrences of rare species, exemplary natural communities, Federal and State threatened and endangered species and habitat, in the vicinity of the proposed project? (All projects require a NHB determination.)		
3.2 Would work occur in any area identified as either “Highest Ranked Habitat in N.H.” or “Highest Ranked Habitat in Ecological Region”? (These areas are colored magenta and green, respectively, on NH Fish and Game’s map, “2010 Highest Ranked Wildlife Habitat by Ecological Condition.”) Map information can be found at: <ul style="list-style-type: none"> <li>• PDF: <a href="http://www.wildlife.state.nh.us/Wildlife/Wildlife_Plan/highest_ranking_habitat.htm">www.wildlife.state.nh.us/Wildlife/Wildlife_Plan/highest_ranking_habitat.htm</a>.</li> <li>• Data Mapper: <a href="http://www.granit.unh.edu">www.granit.unh.edu</a>.</li> <li>• GIS: <a href="http://www.granit.unh.edu/data/downloadfreedata/category/databycategory.html">www.granit.unh.edu/data/downloadfreedata/category/databycategory.html</a>.</li> </ul>		
3.3 Would the project impact more than 20 acres of an undeveloped land block (upland, wetland/waterway) on the entire project site and/or on an adjoining property(s)?		
3.4 Does the project propose more than a 10-lot residential subdivision, or a commercial or industrial development?		
3.5 Are stream crossings designed in accordance with the PGP, GC 21?		

<b>4. Flooding/Floodplain Values</b>	Yes	No
4.1 Is the proposed project within the 100-year floodplain of an adjacent river or stream?		
4.2 If 4.1 is yes, will compensatory flood storage be provided if the project results in a loss of flood storage?		
<b>5. Historic/Archaeological Resources</b>		
If a minor or major impact project, has a copy of the Request for Project Review (RPR) Form ( <a href="http://www.nh.gov/nhdhr/review">www.nh.gov/nhdhr/review</a> ) been sent to the NH Division of Historical Resources as required on Page 5 of the PGP?		

\*Although this checklist utilizes state information, its submittal to the Corps is a Federal requirement.