

# Activity Attachment: Water Intake Pipes and Dry Hydrants

## Questions and Conditions of Approval

GP/SA/WL/WQC

Tracking No.

Permit No.

This Activity Attachment must accompany the Expedited Shoreland Alteration Permit Application, and is for installation of:

- Water intake pipes serving one or two year-round, single-family, residences; or
- Public use dry hydrants;
- On inland waters; and
- Where the size of the alteration below the normal high water mark will be less than 500 square feet.

 The trench for the proposed intake pipe or dry hydrant below the normal high water mark must be limited to only the length, width, and depth necessary to provide water.

The Expedited Shoreland Alteration Permit may not be used for intake pipes or dry hydrants:

- That will supply water to more than two residences
- On streams bordered by a P-SL2 zone
- On tidal waters
- Associated with hydropower facilities, including micro-hydropower projects

 All hydropower facilities, regardless of size, must be reviewed under Maine's hydropower rules. The Expedited Shoreland Alteration Permit cannot be used for hydropower projects, including micro-hydropower projects.

These Conditions are only for water intake pipes and dry hydrants where the affected waterbody is bordered by the following zones:

- P-GP and P-GP2, including where there is a FEMA or P-FP zone, or a P-AR zone
- P-SL2 zone associated with a pond smaller than 10 acres, including where there is a FEMA or P-FP zone, or a P-AR zone
- P-SL1 zone associated with a river or stream (but not where there is a FEMA or P-FP zone)
- P-AL zone
- All development zones (except D-PD and D-MT)

 Projects on water bodies abutting zones not listed here may be allowed using the standard application form. Contact the LUPC office that serves your area to obtain the standard application form.

### A. PROJECT TYPE (check one)

- Water intake pipe for residential use for  one or  two residential dwellings  
 Dry hydrant for public use (for example, fire control)

### B. LOCATION (check one)

- Lake or pond larger than 10 acres  Pond smaller than 10 acres (Pond size in acres, if known \_\_\_\_\_)  
 River or stream bordered by a P-SL1 zone (major flowing water)

### C. PROJECT DETAILS

*Answering YES to a question indicates that the statement is correct about your project.*

- The total area in square feet of lake, pond, river or stream below the normal high water mark to be impacted by the installation of the intake pipe or dry hydrant will be less than 500 square feet. ....  YES  NO  
**If NO, then the expedited shoreland alteration permit form cannot be used; STOP HERE.** Contact the LUPC office that serves your area to obtain the standard application form.  
**If YES, then provide the size of the area of the water body to be impacted, and continue to Question 2:**..... \_\_\_\_\_ sq. ft.
- For water intake pipes, other options to obtain water, such as a drilled or dug well, have been investigated and were not found to be feasible. ....  YES  NO  
**If NO, then on page 3 of the application form explain why the intake pipe is your only option.**  
**If YES, provide the other methods of obtaining water that have been explored.**

**D. CONDITIONS OF APPROVAL FOR RESIDENTIAL INTAKE PIPES AND PUBLIC DRY HYDRANTS**

By law, any proposed development must meet certain conditions of approval. Please read each of the following statements carefully. You must complete all questions, including those marked as “[P-FP]”. Check ‘YES’ if your project will be done as described in each statement. *Checking ‘NO’ to any of the statements indicates that your project will not comply with that CONDITION OF APPROVAL, and this form cannot be used for your project.* However, projects not qualifying for the expedited form may still be allowed using a standard permit. If a statement does not apply to your project, check “N/A” and if needed, explain why on page 3 of the application form.

**PROJECT DESCRIPTION AND CONSTRUCTION MATERIALS**

1. Heavy machinery will not be driven in the water or below the normal high water mark (except as provided for on flowed lakes, see Question 2, below)..... N/A    YES    NO
2. **For projects on flowed lakes only:** Heavy machinery will be driven below the normal high water mark only where necessary, when the work area is above the level of the water, and only on rocky or gravelly substrate. Mats or platforms will be used as needed to protect the shoreline and lake bottom from damage. .... N/A    YES    NO
3. Aquatic vegetation will not be removed to install the water intake pipe or dry hydrant. .... YES    NO
4. The installation of the intake pipe or dry hydrant will not involve construction of access roads..... YES    NO
5. [P-FP] The installation of the intake pipe or dry hydrant will not interfere with natural flow, will not create an impoundment, will not block fish passage, and will not reduce the flood carrying capacity of the watercourse. .... YES    NO
6. For water intake pipes, the trench will be no more than two feet wide. For a public use dry hydrant, the trench will be no wider than is needed to install the pipe. .... YES    NO
7. **Below the normal high water mark,** the trench for the intake pipe or dry hydrant will extend no farther beyond the normal high water mark than necessary to provide the water supply, protect the pipe from freezing, and not interfere with navigation or recreation. The trench will be excavated no deeper than needed to provide protection from freezing. Where possible, the trench will be excavated by hand. The trench will be refilled with the removed materials. .... YES    NO
8. **Below the normal high water mark,** the water line will be encased in a conduit or sleeve to facilitate repair or replacement. .... YES    NO
9. **Above the normal high water mark,** the trench will be backfilled and the original grade restored..... YES    NO
10. The installation of the intake pipe or dry hydrant will not require excavation of a pool in the waterbody to increase depth. .... YES    NO

**PROJECT LOCATION AND TIMING**

11. The installation of the intake pipe or dry hydrant will not involve alteration of any (P-WL) Wetland Protection Subdistrict other than the waterbody in which the activity is located. .... YES    NO
12. The installation of the intake pipe or dry hydrant will occur during a period of low water. .... YES    NO
13. **For projects on streams or rivers only:** The installation of the intake pipe or dry hydrant will occur between July 15<sup>th</sup> and October 1<sup>st</sup>. .... N/A    YES    NO
14. The installation of the intake pipe or dry hydrant will not occur within 250 feet of mapped Endangered, Threatened, and Special Concern species habitat as designated by the Maine Department of Inland Fisheries and Wildlife. For further information, contact the LUPC office that serves your area; or MDIFW, 284 State Street, Augusta, ME 04333; (207) 287-8000. .... YES    NO

**SOIL AND VEGETATION DISTURBANCE; AND EROSION / SEDIMENTATION CONTROL**

15. The installation of the intake pipe or dry hydrant will not require more than incidental grading, filling or clearing of vegetation within 100 feet of the normal high water mark. The project will meet the LUPC’s standards for Vegetation Clearing (10.27,B) and for Filling and Grading (10.27,F). See [www.maine.gov/dacf/lupc/laws\\_rules/ch10.html](http://www.maine.gov/dacf/lupc/laws_rules/ch10.html). .... YES    NO
16. The activity will not occur when the soil above the normal high water mark is frozen or saturated. .... YES    NO
17. The section of the shoreline disturbed during installation of the intake pipe or dry hydrant will be stabilized using riprap and/or re-seeding or re-planting vegetation. .... YES    NO

*Section D Conditions of Approval continues onto the next page...*

18. All areas of disturbed mineral soils above the normal high water mark not stabilized with riprap will be stabilized with hay or bark mulch and replanted within one week of inactivity or completion of the project in accordance with the Commission's Guidelines for Vegetative Stabilization. See [www.maine.gov/dacf/lupc/laws\\_rules/ch10.html](http://www.maine.gov/dacf/lupc/laws_rules/ch10.html) , Rules and Regulations, Chapter 10, Appendix B. ....  YES  NO
19. Prior to construction, erosion/sedimentation control measures such as staked hay bales or silt fencing will be placed between the work area above the normal high water mark and the normal high water mark to prevent sediment from entering the waterbody. Silt fencing will be removed within 30 days of completing the project, if soil stabilization is complete.....  YES  NO
20. Prior to construction, sedimentation control measures such as a floating silt boom will be installed around the work area below the normal high water mark to contain and isolate turbidity. The silt boom or other control measure will be removed upon completion of construction. ....  YES  NO