



The State of New Hampshire
DEPARTMENT OF ENVIRONMENTAL SERVICES



Thomas S. Burack, Commissioner

=====

WETLANDS AND NON-SITE SPECIFIC PERMIT 2008-01818*AMENDED*****

=====

Permittee: Town of Durham - Department of Public Works
 100 Stone Quarry Dr.
 Durham, NH 03824-2898

Project Location: Wiswall Road, Durham
 Durham Tax Map/Lot No. 14 / ROW

Waterbody: Lamprey River

**NOTE --
 CONDITIONS**

APPROVAL DATE: 02/09/2010 EXPIRATION DATE: 04/13/2014

=====

Based upon review of the above referenced application, in accordance with RSA 482-A and RSA 485-A:17, a Wetlands Permit and Non-Site Specific Permit was issued. This permit shall not be considered valid unless signed as specified below.

PERMIT DESCRIPTION: Dredge and fill a total of 5,724 sq. ft. of river and bank impacts to construct a freespan bridge as replacement for the previous Wiswall Bridge over the Lamprey River, including: a)3,855 sq. ft. (approximately 120 linear ft.) of temporary impact including removal of the existing piling structure from the center of the river to restore full stream flow; construction of two temporary closed cell coffer dams for construction of crane access bridge; and construction of access ramp on riverbank; and b)1,868 sq. ft. (approximately 180 linear ft.) of permanent impact for construction of bridge abutments and installation of protective shoreline and abutment toe rip rap.

THIS APPROVAL IS SUBJECT TO THE FOLLOWING PROJECT SPECIFIC CONDITIONS:

1. All work shall be in accordance with plans and narrative materials by CLD Engineering Inc. dated 2/26/2009, as received by DES on 3/2/2009.
2. Any further alteration of areas on this property that are within the jurisdiction of the DES Wetlands Bureau will require a new application and further permitting by the Bureau.
3. Pursuant to the recommendations of NH Fish and Game Department, the following conditions shall be required, to protect fish, shellfish, amphibians, reptiles and wildlife species of concern:
 - a. Drawdown of the impoundment of the Lamprey River upstream of the Wiswall Dam for bridge construction shall occur no earlier than middle to late August, and no later than October 1.
 - b. The dewatering shall occur very slowly, to allow fish, shellfish, amphibians, reptiles and wildlife to adjust to the change in water levels.
 - c. The construction shall be phased so that work is being completed and/or staged as the water levels are receding or refilling. This shall occur so that when the impoundment has been dewatered there are very few days of work needed at the lowest river level before rewatering of the impoundment can start.
 - d. Stream flows above and below the dam shall be maintained throughout the project construction phases and rewatering of the impoundment shall follow the commonly used guideline of storing 10% while releasing 90% of the inflow once low-level construction is completed, to assure downstream riverine habitat is maintained for fish and wildlife.
 - e. **AMENDED:** The rewatering process shall start no later the middle of March.
 - f. The utmost precautions shall be taken to ensure that there is no siltation produced by the project present in the river during the period of time when rainbow smelt are present, and later spawning, specifically at the head of tide from mid-December through April.
4. The methods of in-river work chosen for equipment access and construction procedures shall represent the alternative(s) which result in the least in-river environmental impact practicable.
6. A post-construction survey of the Knotty Pondweed community shall be conducted by the applicant in coordination with the NH Natural Heritage Bureau during the first possible season appropriate to such a survey. The results of the survey shall be reported to DES within 30 days of the completion of the survey.
7. Placement of fill for the temporary construction access "causeway" shall be confined to the riverbank/ wetland margin at the edge of the river, and not extend riverward of the limit of the existing roadbed abutment.
8. Appropriate siltation/erosion controls shall be in place prior to construction, shall be maintained during construction, and remain in place until the area is stabilized. Silt fence(s) must be removed once the area is stabilized.
9. Appropriate turbidity controls shall be installed prior to construction, shall be maintained during construction such that no turbidity escapes the immediate dredge area, and shall remain until suspended particles have settled and the

water at the work site has returned to normal clarity.

10. Prior to commencing work on a substructure located within surface waters, a cofferdam shall be constructed to isolate the substructure work area from the surface waters.
11. Cofferdams shall not be installed during periods of high flow, whether due to seasonal runoff or precipitation. Once a cofferdam is fully effective, confined work can proceed according to the restrictions specified by NHFG in conditions 3a - 3f, above.

12. Temporary cofferdams shall be entirely removed immediately following construction, in accordance with the timing restrictions stated above.

13. Discharge from dewatering of work areas shall be to sediment basins that are: a) located in uplands; b) lined with hay bales or other acceptable sediment trapping liners; c) set back as far as possible from wetlands and surface waters, in all cases with a minimum of 20 feet of undisturbed vegetated buffer.

14. Dredged material shall be placed outside of the jurisdiction of the DES Wetlands Bureau.
15. Within three days of final grading or temporary suspension of work in an area that is in or adjacent to wetlands or surface waters, all exposed soil areas shall be stabilized by seeding and mulching during the growing season, or if not within the growing season, by mulching with tack or netting and pinning on slopes steeper than 3:1.

16. Construction equipment shall be inspected daily for leaking fuel, oil and hydraulic fluid prior to entering surface waters or wetlands.
17. Faulty equipment shall be repaired prior to entering jurisdictional areas.
18. The contractor shall have appropriate oil spill kits on site and readily accessible at all times during construction and each operator shall be trained in its use.

19. All refueling of equipment shall occur outside of surface waters or wetlands during construction.

GENERAL CONDITIONS THAT APPLY TO ALL DES WETLANDS PERMITS:

1. A copy of this permit shall be posted on site during construction in a prominent location visible to inspecting personnel;

2. This permit does not convey a property right, nor authorize any injury to property of others, nor invasion of rights of others;

3. The Wetlands Bureau shall be notified upon completion of work;

4. This permit does not relieve the applicant from the obligation to obtain other local, state or federal permits that may be required (see attached form for status of federal wetlands permit);

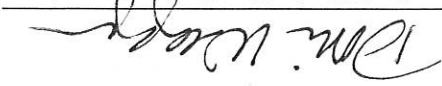
5. Transfer of this permit to a new owner shall require notification to and approval by the Department;

6. This permit shall not be extended beyond the current expiration date.

7. This project has been screened for potential impacts to **known** occurrences of rare species and exemplary natural communities in the immediate area. Since many areas have never been surveyed, or have received only cursory inventories, unidentified sensitive species or communities may be present. This permit does not absolve the permittee from due diligence in regard to state, local or federal laws regarding such communities or species.

8. The permittee shall coordinate with the NH Division of Historic Resources to assess and mitigate the project's effect on historic resources.

APPROVED:


Dori Wiggin, East Region Supervisor
DES Wetlands Bureau

BY SIGNING BELOW I HEREBY CERTIFY THAT I HAVE FULLY READ THIS PERMIT AND AGREE TO ABIDE BY ALL PERMIT CONDITIONS.

OWNER'S SIGNATURE (required)

CONTRACTOR'S SIGNATURE (required)