



The State of New Hampshire  
**DEPARTMENT OF ENVIRONMENTAL SERVICES**



**Thomas S. Burack, Commissioner**

**PERMIT No. 2011-071.04  
PERMIT TO RECONSTRUCT A DAM**

On June 20, 2011, the Department of Environmental Services (DES), under authority of RSA 482:9-11, issues the following permit:

WHEREAS, Town of Durham, having a mailing address of 100 Stone Quarry Drive, Durham, NH 03824, has filed with DES on May 5, 2011 an application for approval to reconstruct a dam in Durham, on tax map no. 17, lot #7, known as Wiswall Dam, in Strafford County, New Hampshire; and

WHEREAS, the application has been reviewed by this office under the authority of RSA 482:9-12. These statutes require that DES be notified of an individual's intent to reconstruct a dam, and give DES the authority to regulate construction and maintenance of any structure which may be a threat to public safety; and

WHEREAS, as a result of a field inspection of the site and downstream reach, the dam has been classified as a **SIGNIFICANT HAZARD POTENTIAL** structure; and

WHEREAS, DES has considered the application and finds that if said structure is reconstructed in accordance with plans and specifications provided with said application and accepted construction standards and is properly maintained, it would conform to DES's standards for public safety; now therefore this application is approved and said dam is hereby registered and authorized in accordance with the following terms and conditions:

1. The dam shall be reconstructed in accordance with the approved plans and specifications as indicated on the following chart:

| Sheet(s)/pg(s): | Plan Date: | Revision Date: |
|-----------------|------------|----------------|
| Sheets 1-31     | 4/18/11    | 6/10/11        |

2. The dam shall be properly operated and maintained at all times in compliance with the provisions of Revised Statutes Annotated Chapter 482.
3. As per Env-Wr 404.03(g), at least 10 days prior to commencing work, the owner shall notify the department by certified mail of the date that the work is expected to commence.
4. The reconstruction of this dam must be completed no later than two years from the date of issuance of this permit.
5. Upon completion of construction, the dam owner shall notify DES by certified mail. Filling of the reservoir shall comply with Env-Wr 405.11.
6. A construction inspection plan meeting the criteria set forth in Env-Wr 405.04-05 (a) through (h) shall be submitted to DES for review prior to construction.
7. Emergency Action Plan (EAP) to be drafted, with revised inundation maps, and reviewed (by DES), distributed, and tested prior to impounding water.

8. Full-time inspections by a qualified engineer shall occur throughout the entirety of the construction unless otherwise waived by DES.
9. A preconstruction meeting shall occur prior to the commencement of construction between the owner, contractor, construction engineer, and DES.
10. DES shall be notified 24 hours prior to the placement of concrete.
11. DES reserves the right to ask the owner or contractor to further investigate any items discovered during excavation which may require remedial construction efforts, if deemed to be necessary for the safety of the dam structure.
12. Final review and acceptance of Construction Inspection Plan, Construction Engineer's Resume, and Construction Sequence by DES.
13. A plan of proposed cold joints for the structure is to be submitted and reviewed by DES and Stephens Associates prior to concrete placement.
14. A plan of the proposed construction around the old tailrace to be submitted to DES for approval once the existing conditions have been assessed.
15. DES to review the placement of the end of the downstream right embankment wall per the plan set.
16. DES to review all applicable portions of the construction as noted and detailed on the plan set.
17. A final inspection report per Env-Wr 405.08 shall be submitted to DES within 30 days of the completion of the project.
18. Approval of a Wetlands Permit File #2011-00109.
19. As per Env-Wr 404.03(f), inspections shall be performed in accordance with the plan submitted pursuant to Env-Wr 405.04.
20. As per Env-Wr 404.03(k), the owner shall operate and maintain the structure in accordance with the written operation and maintenance procedures submitted in accordance with Env-Wr402.06(b).
21. As per Env-Wr 404.05, any changes from the approved plans and specifications shall be approved by the design engineer and submitted to DES for review. If the proposed change meets the requirements of Env-Wr 403, DES shall approve the change. Approvals may be granted verbally provided written approval is subsequently documented.

22. The construction engineer shall provide an Affidavit of Compliance indicating that the reconstruction was completed in accordance with approved plans and specifications upon completion of the project.
23. The construction engineer shall submit as-built drawings of the project to the department within 180 days of submitting the Affidavit of Compliance.
24. The dam shall not be made to impound water until a certificate of approval for impounding is issued from DES. This will require the finalization, distribution, and testing of the EAP, as well as the receipt of the Affidavit of Compliance, and visual inspection by DES.
25. Registration of the dam by DES does not relieve the owner from meeting the requirements of public safety or other provisions of the law.
26. Registration of the dam by DES does not convey a property right or authorize any injury to property or invasion of other rights.
27. The dam owner shall notify DES if the property is sold and include the new owner's name and address.

Please forward all correspondence to the Water Division at the address listed on the bottom of the previous page.

DEPARTMENT OF ENVIRONMENTAL SERVICES  
WATER DIVISION

BY Steve N. Doyon  
Steve N. Doyon, P.E., Administrator  
Dam Safety & Inspection

DATE 6/20/11