



SHORELINE STABILIZATION PERMIT APPLICATION

Dear Smith Mountain and Leesville Lake Property Owners:

On behalf of Appalachian Power Company (Appalachian), please find the attached Shoreline Stabilization Permit application and a sample site plan for your reference. Instructions for completing this application include the following:

1. Read the entire permit application carefully.
2. To help ensure a prompt response, please include all requested information. Incomplete applications will be returned for additional information.
3. The Smith Mountain Pumped Storage Project Shoreline Management Plan (SMP) as approved by the Federal Energy Regulatory Commission Order Modifying and Approving Updated SMP issued on February 18, 2025, can be found at www.smithmountainproject.com.
4. A site visit will be conducted by Appalachian upon receipt of the application.
5. If it is determined that vegetation removal is required and bundling and sinking of vegetation removed is not applicable, or additional vegetation removal is required for equipment access, a Vegetation Removal Permit application may be required.
6. All property owner(s) of record, not an agent or contractor, is required to sign the permit application. Applications with incorrect signatures will be returned.
7. Property information, including the parcel identification number and legal description can be obtained by contacting the appropriate county. Online information is available at www.bedfordcountyva.gov, www.franklincountyva.gov, www.pittsylvaniacountyva.gov, or www.campbellcountyva.gov.
8. **Prior to issuance of any authorization for shoreline stabilization, Appalachian requires the submittal of documentation of an approved permit from the United States Army Corps of Engineers (USACE). The USACE accepts online submittal of applications through the USACE Regulatory Request System (RRS), at <https://rrs.usace.army.mil/rrs>. For any questions regarding the USACE JPA, or other USACE permitting requirements, please contact the USACE directly.**
9. Mail the completed application, site plans, and USACE permit to the following address for processing:
Appalachian Power Company
Shoreline Management
P.O. Box 2021
Roanoke, VA 24022-2121
10. If the proposal meets the SMP, and a USACE permit has been issued, an Appalachian permit will be issued. Approved Appalachian permits may be taken to the appropriate county to obtain the necessary erosion and sediment control permits.
11. Copies of approved county permits must be forwarded to Appalachian for the Appalachian permit to be valid.

Should you have any additional questions, you may contact Appalachian's Shoreline Management staff at 540-985-2579 or shorelinemanagement@aep.com.

Sincerely,

Appalachian Power Company

Permit for Shoreline Stabilization
Appalachian Power Company
Smith Mountain Lake and Leesville Lake

Appalachian Power Company (Appalachian) has the authority and responsibility under its Federal Energy Regulatory Commission (FERC) license and its land rights to review and approve activities within the Smith Mountain Project boundary (800-foot elevation contour for Smith Mountain Lake and 620-foot elevation contour for Leesville Lake).

Property Owner(s), (Permittee's) Name(s): _____

Owner's Mailing Address: _____
(Street) (City) (State) (Zip)

Owner's Contact Information: _____
(Phone) (Email)

Location: ☐ Smith Mountain Lake _____
☐ Leesville Lake (County) (Subdivision) (Lot No.) (Section) (Tax Map/Parcel ID No.)

Lake Address: _____
(Street) (City) (State) (Zip)

Contractor/Consultant: _____ Phone: _____ Email: _____

Read the following carefully and fill in or attach the appropriate information.

All parties desiring to stabilize their shoreline must obtain written authorization from Appalachian prior to beginning any activity/construction inside the Project boundary.

1) Check appropriate box:

- ☐ Riprap (If riprap is to be installed, please indicate if installation will occur by): ☐ Land ☐ Water
☐ Vegetation for controlling erosion

2) Attach a site plan depicting the location of the Project boundary (800-foot elevation contour at Smith Mountain Lake, 620-foot elevation contour at Leesville Lake), Base elevation (795-foot elevation contour at Smith Mountain Lake, 613-foot elevation contour at Leesville Lake), length of shoreline, all property lines and extended property lines, and the plan view and cross section view of the above proposed erosion control measure with all dimensions (see sample site plan and cross-sectional drawing).

3) Complete the following information:

- a. Total length of stabilization activity as measured along Base elevation: _____ feet
- b. Distance proposed rip rap will encroach into the lake as measured from the Base elevation: _____ feet
- c. Type and size of solid rock material (minimum VDOT Class I required): _____
- d. Will filter fabric be used? Yes ____ No ____
- e. Slope of final grade (maximum permissible slope: 2:1): _____
- f. Depth of buried toe (minimum of 12" required): _____

4) If vegetation must be removed for the installation of riprap, trees and woody material removed during installation of riprap must be collected, bundled and sunk along adjacent shoreline (in depths no greater than 15 feet deep) with the approximate location indicated on the plan view drawing.

5) See the "Terms and Conditions of Permit" listed on Page 2.

By signing this permit, the Permittee accepts the Terms and Conditions herein and acknowledges the following:

Appalachian, pursuant to its License, has the continuing responsibility to supervise and control the uses and occupancies for which it has granted permission and to monitor the use of and ensure compliance with the conditions under which this permit has been granted. As a result, the use and occupancy hereby permitted is deemed to be made under a **revocable license** from Appalachian. As such, if the use and occupancy violates any condition of the License or any other condition imposed for the protection and enhancement of the Project's scenic, recreational or other environmental values, or upon the petition of any other permitting agency, Appalachian shall take such lawful action necessary to address the situation. Such action may include, if necessary, the cancellation of this permit and the removal of the non-complying structures and facilities. Furthermore, any structures or other use associated with this permit must be maintained in good repair and comply with applicable federal, state and local requirements.

I certify that the above information is true and correct, and that I have read and agree to the Terms and Conditions of the permit listed on page 2 of this form.

	_____ Signature of Permittee	_____ Signature of Permittee
_____ Date	_____ Print Name	_____ Print Name

To be completed by Appalachian – Permit is invalid without a signature.

This permit is granted solely for the purpose described by the permittee in this permit:

_____ Date Issued	_____ Date of Site Visit	_____ Shoreline Classification	_____ Appalachian Power Company – Authorized Signer
----------------------	-----------------------------	-----------------------------------	--

Permit for Shoreline Stabilization
Appalachian Power Company
Smith Mountain Lake and Leesville Lake

TERMS AND CONDITIONS OF PERMIT

This permit is granted by Appalachian Power Company (Appalachian) and accepted by the Permittee, subject to the following terms and conditions:

1. This permit is granted solely for the purpose of erosion control. No addition or design change shall be made to this permitted stabilization structure without prior approval from Appalachian.
2. Routine maintenance to existing riprapped shoreline does not require an Appalachian permit. Maintenance includes the re-arrangement of existing riprap material within the original boundaries of length, width and height. If you wish to add material or are uncertain whether your project falls into this category, please contact Appalachian.
3. The activity described in this permit is part of a single and complete project.
4. No material shall be placed in excess of the minimum needed for erosion protection.
5. Under this permit, shoreline stabilization shall not alter the Project boundary (800-foot elevation contour at Smith Mountain Lake and 620-foot elevation contour at Leesville Lake). If altering the Project boundary is proposed, additional information shall be submitted to Appalachian for review.
6. No material shall be placed in a wetland area.
7. The stabilization structure shall not impair surface flows.
8. Tires, scrap metal, crushed block or other types of material that are not aesthetically acceptable are not allowed for stabilization. Only clean solid rock (minimum VDOT Class I) shall be used for the installation of riprap.
9. No attempt shall be made by the Permittee to forbid the full and free use by the public of all navigable waters at or adjacent to the permitted stabilization structure or to unreasonably interfere with navigation in connection with the ownership, construction, operation or maintenance of the permitted stabilization structure.
10. By thirty (30) days' notice, mailed to the Permittee by registered or certified letter, Appalachian may revoke this permit whenever it determines that the public interest necessitates such revocation or when it determines that the Permittee has failed to comply with the conditions of this permit. The revocation notice shall specify the reason for such action.
11. The Permittee is responsible for proper design, engineering, construction, maintenance and placement of the proposed stabilization structure. Appalachian's review and approval of the plans are no guarantee or assurance the Permittee's plans are proper or adequate for the purpose intended.
12. The Permittee shall ensure that erosion and sedimentation (E & S) control devices are in place prior to clearing and grading and that they are maintained in good working order to minimize impacts to all waters and wetlands in accordance with the current edition of the Department of Environmental Quality Virginia Stormwater Management Handbook. Any deposition of graded materials in upland areas shall be carried out in such a manner as to prevent the erosion of these materials and preclude their entry into all waters and wetlands. These controls shall remain in place until the area stabilizes. Soil stabilization practices shall be applied to all denuded areas within seven (7) days after final grade is reached within any impact area.
13. It is understood and agreed by and between Appalachian and Permittee that part of the consideration for the granting of this permit for lakeshore use is the Permittee's agreement to keep Project lands and waters occupied by and surrounding the permitted facility free of all waste, garbage, and other unsightly debris and materials and is to comply with local health rules and regulations.
14. It is understood that the water levels at Smith Mountain Lake can rise up to and occasionally exceed the 800-foot contour during periods of high inflow, and fall as low as 787 feet during periods of low inflow or drought. Historically, water levels as measured at the dam reached 799.79 feet in 1978 and 787 feet in 2010. Leesville Lake can fluctuate between 613 feet and 600 feet during normal operations as measured at the dam. However, the flowage easement is to elevation 620 feet, because the water levels have the potential for increasing upstream depending upon flows from Smith Mountain Lake. These elevations should be taken into consideration when designing erosion control structures.
15. In the event that any previously known or unknown cultural resource materials are discovered, all work associated with this permit must be stopped. Appalachian must be notified and consultation with the State Historic Preservation Office (SHPO) must be completed before any further work within the work area will be allowed to continue. In addition:
 - A. The applicant shall notify Appalachian and SHPO immediately and follow-up with a written account of the discovery. The applicant may be required to employ an archaeologist who meets or exceeds the qualifications described in the Secretary of the Interior's Professional Qualifications Standards (48 FR 44738-9) to assess the eligibility of the resource for inclusion in the National Register.
 - B. If the resource is determined to be eligible for inclusion in the National Register, and the applicant wishes to continue with the activity, the applicant shall ensure that an archaeologist who meets or exceeds the qualifications described in the Secretary of the Interior's Professional Qualifications Standards (48 FR 44738-9) shall prepare a plan for its avoidance, protection, or recovery of information. The SHPO shall approve such plan, prior to implementation.
 - C. Work in the affected area shall not proceed until either:
 - a. Appropriate data recovery or other approved mitigation procedures are developed and implemented, or
 - b. The determination is made that the located resources are not eligible for inclusion on the National Register.
16. Permittee agrees to all conditions set forth in the Smith Mountain Pumped Storage Project Shoreline Management Plan as approved by FERC Order Approving and Modifying Updated Shoreline Management Plan issued on February 18, 2025.
17. This permit is contingent upon approved local/state/federal permits (if applicable). Copies of approved permits, once received, must be submitted to Appalachian for this Appalachian permit to be valid.

Permit for Shoreline Stabilization
Appalachian Power Company
Smith Mountain Lake and Leesville Lake

SAMPLE SHORELINE STABILIZATION PLAN

