



An AEP Company

BOUNDLESS ENERGY™

APPLICATION FOR
SHORELINE STABILIZATION PERMIT

Dear Smith Mountain and Leesville Lake Property Owners:

On behalf of Appalachian Power Company (Appalachian), please find attached an application for a shoreline stabilization permit and a sample drawing 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 January 30, 2014, can be found at www.smithmountainproject.com. The proposed shoreline stabilization must meet the requirements of the updated SMP and the Order before it can be approved.
4. A site visit will be conducted upon receipt of the application. Please call the number listed below for an appointment if you would like to discuss vegetation options within the project boundary (if applicable). If it is determined that vegetation needs to be removed and bundling and sinking of vegetation removed is not applicable, a Vegetation Permit application is required.
5. The property owner, not an agent or contractor, is required to sign the permit application. Applications with incorrect signatures will be returned.
6. Property information, including the parcel identification number, legal description, and deed reference information, can be obtained by contacting the appropriate county. On-line information is available at www.bedfordcountyva.gov (Quick Reference, Geographic Information Systems), www.franklincountyva.gov (Quick Links, GIS Search), www.pittsylvaniacountyva.gov (Services, Real Estate/GIS), or www.campbellcountyva.gov (Online GIS).
7. Mail the completed application to the following address for processing:

Appalachian Power Company
Shoreline Management
P.O. Box 2021
Roanoke, VA 24022-2121

8. If the proposal meets the SMP, a permit will be issued. Approved AEP permits may be taken to the appropriate county to obtain the necessary erosion and sediment control permits.
9. Copies of approved county permits must be forwarded to AEP for the AEP permit to be valid.

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

Sincerely,

A handwritten signature in blue ink, appearing to read "Neil Holthouser". The signature is fluid and cursive, with a long horizontal stroke extending to the right.

Neil Holthouser
Plant Environmental Coordinator Sr.

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

Appalachian Power Company (APCO) 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 which includes both Smith Mountain and Leesville lakes (all land within the 800 foot contour for Smith Mountain and 620 foot contour for Leesville).

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

Owner's Mailing Address: _____
 (street) (city) (state) (zip)

Owner's Contact Information: _____
 (daytime telephone) (evening telephone) (Email)

Location: Smith Mountain Lake _____
 Leesville Lake (county) (subdivision) (lot number) (section) (Tax Map/Parcel ID No.)

Lake Address: _____
 (street) (city) (state) (zip)

Directions By Land: _____

Shoreline Stabilization Contractor: _____ Phone: _____ Email: _____

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

Shoreline stabilization is allowed in areas of active erosion. No material is to be placed in excess of the minimum needed for erosion control. If existing vegetation is sufficient to control erosion and the shoreline is not actively eroding, the existing vegetation shall remain in place. Permittees are encouraged to consider landscape plantings to control erosion. All parties desiring to stabilize their shoreline must obtain written authorization from APCO prior to beginning any activity / construction inside the project boundary.

1) Check appropriate box:

Riprap (If rip-rap is to be installed, please indicate if installation will occur by: Land Water)

Vegetation for controlling erosion

Note: Routine maintenance to existing riprapped shoreline does not require an APCO permit. (See page 2 of 2 for details.)

2) A map showing the general location of the proposed work (Example: Lake Map).

3) Attach a drawing showing the location of the project boundary, base elevation, length of shoreline, all property lines and extended property lines, and the plan view and cross section view of the above erosion control measure with all dimensions.

4) Attach photographs of the total shoreline documenting areas of active erosion or schedule a site visit.

Date of Photographs: _____

5) Complete the following information:

- a. Total length of stabilization activity as measured along base elevation: _____ feet
- b. Distance the activity will encroach into the lake as measured from full pond (795 feet at Smith Mountain, 613 feet at Leesville): _____ ft
- c. Are wetlands present? Yes ____ No ____
- d. Type and size of solid rock material: _____
- e. Will filter fabric be used? Yes ____ No ____
- f. Slope of final grade: _____
- g. Depth of buried toe: _____
- h. Will the project alter the project boundary? (800 foot contour at Smith Mountain, 620 foot contour at Leesville)
 Yes ____ No ____ (**If yes, additional information will need to be forwarded to APCO.)
- i. Anticipated completion date: _____

6) If vegetation must be removed for the installation of riprap, attach a plan indicating the existing vegetation that will remain. Trees and woody material removed during installation of riprap must be collected, bundled and sunk along adjacent shoreline (no greater than 20 feet deep) with the approximate location indicated on the plan view drawing.

7) 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:

APCO, 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 APCO. 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, APCO 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 use and occupancy 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 the back of this form.

| | | | |
|---------------|---------------------------------|---------------------------------|--|
| _____ Date | _____ Signature of Permittee | _____ Signature of Permittee | |
| | _____ Print Name | _____ Print Name | |

To Be Completed by Authorized APCO Representative – 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 Management Plan Shoreline Classification | _____ Elizabeth B. Parcell 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 APCO 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 APCO.
2. Routine maintenance to existing riprapped shoreline does not require an APCO 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 APCO.
3. The activity described in this permit is part of a single and complete project.
4. No material is to 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 contour at Smith Mountain and 620 foot contour at Leesville). If altering the project boundary is proposed, additional information shall be submitted to APCO 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 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, APCO 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. APCO'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 Virginia Erosion and Sedimentation 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 APCO 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. 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 January 30, 2014.
17. This APCO permit is contingent upon approved county and U.S. Corps of Engineers permits (if applicable.) Copies of approved permits, once received, must be submitted to APCO for this APCO permit to be valid.

Mail this completed form and any applicable local, state or federal permits to:

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P.O. Box 2021
Roanoke, VA 24022-2121

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Appalachian Power Company
Smith Mountain Lake and Leesville Lake

SAMPLE SHORELINE STABILIZATION PLAN

PROPERTY OWNER

SAMPLE SUB., LOT #, SEC. #

DATE

SHORELINE STABILIZATION PLAN VIEW

