

# Brookfield

## Application for Activity Permit for Reservoir and Shoreline Alteration

Print or type all information below and return to Brookfield Smoky Mountain Hydropower LLC  
Calderwood Service Center, 314 Growdon Boulevard, Tallassee, Tn. 37878  
Please call (865) 207-7902 with questions.

### SECTION ONE – BACKGROUND INFORMATION (to be completed by the applicant)

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1. Full Name (adjoining property owner): \_\_\_\_\_
  2. Permanent Mailing Address: \_\_\_\_\_
  3. Local Address (if different): \_\_\_\_\_
  4. Telephone (Business): \_\_\_\_\_ (Permanent): \_\_\_\_\_ (Local): \_\_\_\_\_
  5. Fax No. and E-mail (optional): \_\_\_\_\_
  6. Reservoir: \_\_\_\_\_ 7. Township: \_\_\_\_\_ 8. County: \_\_\_\_\_
  9. Subdivision: \_\_\_\_\_ 10. Section: \_\_\_\_\_
  11. Lot No.: \_\_\_\_\_ 12. Tax Map No.: \_\_\_\_\_
  13. Directions to property (if necessary, use the enclosed drawing sheet to provide a map to the site): \_\_\_\_\_
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14. Is the shoreline along the property described above designated as a “High Cultural Probability Zone” in BSMH’s Shoreline Management Plan (leave blank if you do not know):  Yes  No

### SECTION TWO—INFORMATION FOR RESERVOIR AND SHORELINE ALTERATION (attach the following to the application)

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1. Map of the reservoir area where the excavation is proposed - applicant must attach a map of the area of the reservoir and adjoining shoreline property owned by the applicant where excavation is proposed. The map must clearly exhibit the area of the proposed excavation and to what depth (contour elevation) the excavation is proposed.
2. Description of the planned excavation - applicant must attach a written description of the planned excavation including an estimate of the reservoir bottom to be modified and the amount of material to be removed from the reservoir.
3. Plan for disposal of excavated material - applicant must attach a written description of their plans for disposing of the excavated sediment. No sediment may be disposed of within the FERC project boundary (1940.9 foot contour), or on property owned or managed by Brookfield Smoky Mountain Hydropower LLC.
4. Resource impacts assessment - applicant must attach a brief written description of the potential impacts of the proposed excavation activity on surrounding reservoir resources, including impacts to water quality and fish habitat. If there is any vegetation growing in or around the area of proposed excavation, it should be noted and the areas of vegetation should be photographed, and photos included with application.
5. Schedule for conducting the proposed excavation - applicant must attach a written schedule for completing the proposed excavation.

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6. Agency Approvals - applicant must attach copies of written concurrence with the proposed excavation from the following groups (refer to *Instructions for Application for Activity Permit for Reservoir and Shoreline Excavation*):

- U.S. Army Corps of Engineers
- North Carolina Division of Water Quality
- North Carolina Department of Cultural Resources
- Eastern Band of the Cherokee Indians

SECTION THREE (to be completed by the applicant)

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I hereby apply for a permit to perform the above-described shoreline alteration at Santeetlah Reservoir. I agree to abide by all applicable requirements of BSMH's Shoreline Management Plan, the conditions of the *Activity Permit for Reservoir and Shoreline Alteration* and other BSMH procedures and requirements. I also agree that no work will begin until I receive an *Activity Permit* signed by Brookfield Smoky Mountain Hydropower LLC.

\_\_\_\_\_  
Applicant's Signature

\_\_\_\_\_  
Date

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Drawing Sheet

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## Instructions for Application for Activity Permit for Reservoir and Shoreline Excavation

### Instructions

To be considered for an Activity Permit for Reservoir or Shoreline Alteration, the adjoining property owner (or a duly authorized representative) must return to BSMH a fully completed application, letters of concurrence from the appropriate agencies if necessary, and a check made payable to Brookfield Smoky Mountain Hydropower LLC, for the proper application fee. Please consult BSMH's Shoreline Management Plan and Shoreline Stewardship Policy for detailed information regarding BSMH's procedures and requirements governing activities in the reservoirs, along the shoreline, or on other Brookfield Smoky Mountain Hydropower LLC owned lands.

Brookfield Smoky Mountain Hydropower LLC will sign and return to you the Activity Permit for Reservoir and Shoreline Alteration after BSMH has reviewed the documents to ensure that the proposed activity will be in compliance with the Shoreline Management Plan, the Shoreline Stewardship Policy, and all other applicable BSMH policies, procedures and requirements. You (the adjoining property owner) may not commence work until such time as you have received from BSMH the Activity Permit for Reservoir and Shoreline Alteration.

### Requirements

1. Alteration of the existing reservoir bottom or shoreline, such as removal, addition, or fill (other than BSMH approved stabilization measures), or modification of rocks, soil, sand, and sediment (including dredging and excavation), is prohibited on Cheoah, Calderwood, and Chilhowee reservoirs.
2. On Santeetlah Reservoir, in recognition of the high rate of sedimentation that occurs, BSMH may permit excavation of reservoir sediments to maintain or create recreational boat access to private piers. Excavation at Santeetlah Reservoir is by written permit only in accordance with the following standards.
3. All excavations must have prior written approval from the US Army Corps of Engineers and the North Carolina Division of Water Quality (see contact information below).
4. Excavation of the reservoir in close proximity to a known archaeological site requires prior written approval from the North Carolina Department of Cultural Resources and the Eastern Band of the Cherokee Indians Tribal Historic Preservation Office (see contact information below). BSMH will provide the applicant guidance on whether there is a known archaeological site proximate to the proposed excavation.

U.S. Army Corps of Engineers Mr. Steve Chapin Asheville Field Office 151 Patton Avenue Room 208 Asheville, NC 28801-5006 828-271-7980 ext. 224 <a href="mailto:stephen.chapin@us.army.mil">stephen.chapin@us.army.mil</a>	North Carolina Division of Water Quality Mr. Larry Frost 2090 U.S. Highway 70 Swannanoa, NC 28778 828-296-4500 ext. 4658 <a href="mailto:larry.frost@ncmail.net">larry.frost@ncmail.net</a> <a href="http://h2o.enr.state.nc.us/ncwetlands/lake.html">http://h2o.enr.state.nc.us/ncwetlands/lake.html</a>
North Carolina Department State Historic Preservation Office Environmental Review Coordinator 4617 Mail Service Center Raleigh, NC 27699-4617 919-733-4763 <a href="mailto:renee.gledhill-earley@ncmail.net">renee.gledhill-earley@ncmail.net</a>	Eastern Band of the Cherokee Indians Tribal Historic Preservation Office Mr. Russell Townsend PO Box 455 810 Acquoni Road Cherokee, NC 28719 828-488-0237 ext. 1 <a href="mailto:russtown@nc.cherokee.com">russtown@nc.cherokee.com</a>

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5. Only excavation in the dry is permitted and must be performed when the reservoir is drawn down sufficiently to access the excavation site. No dredging (in the wet) is permitted in conjunction with the construction or maintenance of private piers.
6. The excavation must not alter the reservoir shoreline at normal full-pool elevation (1940.9 feet at Santeetlah Reservoir).
7. No excavation is allowed in areas of wetland vegetation or known priority habitats.
8. Excavation may not occur during the months of March through June because of potential impacts to fish spawning.
9. The shape and depth of the excavation must be such that water will drain freely from the excavation when the reservoir level drops below the level of the excavation.
10. All excavation must be placed landward of the normal full-pool elevation (1940.9 feet at Santeetlah Reservoir) and off Brookfield Smoky Mountain Hydropower LLC owned lands and must be placed at a distance and in a manner that does not allow materials to wash back onto Brookfield Smoky Mounity Hydropower LLC owned lands and/or into the reservoir.
11. Individuals conducting the excavation are responsible for disposing excavated materials in compliance with North Carolina Department of Environment and Natural Resources (NCDENR).
12. Any direct or indirect impacts of conducting the excavation (such as damage to roads from heavy equipment) are the sole responsibility of the applicant.