## Pond Owner Assessment Checklist for Earthen Embankment Dams

USDA United States Department of Agriculture

**COOPERATIVE EXTENSION** 

This checklist is designed for use by all dam owners in South Carolina. It is recommended that pond owners perform dam assessments semi-annually and after large storm events. Dams regulated as part of the SC DHEC Dam Safety Program may have additional requirements for inspection, maintenance, and/or repair. If you operate a regulated dam and are in an emergency situation, contact the DHEC 24-hour phone line: 803-898-1939.

Natural Resources Conservation Service

Date of Inspection:

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Issue?	If YES, Recommended Actions
Yes / No	Maintenance should be performed to cut all trees less than 4" to the ground level. Use an herbicide approved for aquatic use on cut stump to deter regrowth.
Yes / No	Under direction of qualified engineer, remove large trees and repair voids in dams.
Yes / No	Remove vines and shrubs; use an herbicide approved for aquatic use on cut stumps to deter regrowth.
Yes / No	Establish a perennial grass cover across bare areas. Site prep may need to include a soil test and use of erosion control blanket until vegetation established.
Yes / No	Reduce or eliminate nuisance wildlife species. If professional assistance is needed, consult SC Department of Natural Resources list of Wildlife Control Operators.
Yes / No	Fill burrows with clean earthen material;, compact and stabilize area with perennial grass cover. Slides and paths should be smoothed so that the surface is even and grass cover also established.
Yes / No	Use fencing to eliminate livestock access to dam. Paths should be regraded so that the surface is even and grass cover established. Contact the Natural Resource Conservation Service for information on financial assistance programs.
Yes / No	Remove debris (trash, limbs, logs, etc.) at all spillway structures. Identify the source of debris to reduce occurrence.
Yes / No	Non-functioning valves should only be exercised under the direction of a professional engineer. Regulated dam owners should contact DHEC Dam Safety Program for guidance.
Yes / No	Areas with minor erosion should be smoothed so that the surface is even and grass cover established. Consider use of additional best management practices, like rip-rap or turf reinforcement matting, to provide additional erosion protection.
Yes / No	Seek the assistance of a professional engineer for repair.
Yes / No	Regulated dam owners should contact the DHEC Safety Program for guidance. Unregulated dam owners should lower the water level in their lake or pond and seek the assistance of a professional for repair.
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	Yes / No

For more information on the Dam Ownership in South Carolina class, visit: https://www.clemson.edu/extension/water/resources/dam-ownership.html#
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