

Geotechnical Certification for Dams and Seepage Controls

SCM Facility Name	Click here to enter text.
-------------------	---

Note: This certification statement must be provided for all earthen embankment dams and must be executed by a licensed North Carolina Professional Engineer (NCPE) with experience in the design and construction of small earth dams of a nature similar in scope to that certified to in this certification. For all dams with greater than 5 feet of depth of water impounded in it at normal water level, this certification must be executed by a licensed NCPE with geotechnical engineering expertise. Periodic observations of construction and a final assessment for design compliance by the certifying engineer or personnel under their direct charge is required to complete this certification.

CERTIFICATION STATEMENT
Based upon my observation, monitoring, and testing of the construction of the dam and seepage controls (if applicable) for this facility, I hereby certify that the constructed facility is in compliance with the geotechnical requirements as set forth in the approved Construction Drawings, approved design documents, and any approved modifications.

The following supporting documents are included in electronic formats (Note: All documents in the electronic files must be in PDF format unless indicated otherwise below):

1. [Digital only] Copies of all dam embankment material composition and density testing paperwork, including a map that labels all points where the dam and dam foundation areas were tested.
Note: Insufficient testing in the zones over and around the principal outlet works for the dam will render this certification invalid.
2. [Digital only] Copies of all concrete compressive strength testing paperwork for any cast-in-place concrete items associated with the construction of the dam. Testing is required for structural components such as reinforced concrete dams/weir walls, concrete emergency spillways, poured-in-place underground detention facilities, etc.
3. [Digital only] One (1) copy of the purchase receipt for any principal spillway pipe that is Class IV or greater. The purchase receipt should identify the ASTM specifications governing the manufacture of the pipe.
4. [Digital only] Colored digital photographs showing the dam foundation areas, the riser, the principal spillway pipe, the concrete cradle, the seepage diaphragm, relief drains, etc., as those items were being prepared and installed (electronic format: .jpg, .gif or .tif).
5. [Digital only] One (1) copy of the certifying engineer's resume that demonstrates required geotechnical engineering expertise when the dam is impounding greater than 5 feet of water at normal water level.

Name: _____ Date: _____

NCPE Seal: