

**U.S. ARMY CORPS OF ENGINEERS, J. STROM THURMOND LAKE
ELECTRICAL CERTIFICATION FORM**

Present safety requirements stipulate that all powerlines on public property be brought into compliance with the National Electrical Code (NEC). The powerline must meet or exceed code requirements with the following requirements exceeding the NEC:

- a. All exposed wiring must be within weatherproof electrical conduit. A ground fault circuit interrupter (GFCI) must be installed on line.
- b. If electrical power is installed on a floating facility, a service disconnect unit must be installed on a pole on the shoreline for emergency purposes. A ground fault interrupter (GFCI) must be installed on the line to protect all wiring on the dock and gangwalk.
- c. All receptacles/switches must be a minimum of 3 feet above the decking on boat docks.
- d. All fixtures such as switches, receptacles, floodlights, etc., must be approved for outdoor use in wet and/or damp locations.

Electrical installations around water have great potential for electrocution due to faulty wiring or fixtures. To insure the safety of everyone, all electrical installations on powerpoles and/or docks must be inspected by a qualified electrician or electrical engineer and a certified wiring diagram submitted if electrical service is to a dock. Failure to meet the safety requirement will be grounds for termination of the permit. This form provides space on the backside for an electrical diagram.

POWERPOLE INSTALLATION

- 1. All wiring on pole must be in weatherproof electrical type conduit.
- 2. All receptacles must have ground fault protection.
- 3. Base of powerpole must be at or above 331' m.s.l.
- 4. Pole is to be metal, treated wood or a commercially built power-pole. Minimum height of pole is 10' and maximum height is 15'.
- 5. Base of receptacle must be at least 5' above ground level.

ELECTRICAL RE-CERTIFICATION

Upon EVERY renewal, transfer of ownership or electrical modification, a qualified electrician or electrical engineer must certify the electrical installation. This is MANDATORY.

Permitte's Name(Print): _____

Permittee's Signature: _____

Subdivision: _____ **Lot** _____ **Permit #** _____

ELECTRICAL CERTIFICATION: I certify that this electrical installation is ground fault protected and materials, workmanship, and installation method meets or exceeds the current National Electrical Code standards and Corps of Engineers requirements for this type location.

Name of Electrician (Print) **Signature of Electrician** **Date**

Company **Phone Number** **State/License Number**

Wiring Diagram to Pole and/or Dock must be completed on the back of this form.
(Diagram only needed for new installations or modifications)