



Lake

Tillery

FACILITIES APPLICATION

Progress Energy
Lake Management
P.O. Box 1551, PEB 3A
Raleigh, NC 27602
Telephone: 1.877.893.0001
Fax: 1.919.546.3202
lake.management@pgnmail.com

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IMPORTANT PHONE NUMBERS AND WEB SITES

Lake Tillery – Lake Management
1.877.893.0001

U.S. Army Corps of Engineers
1.910.251.4511 – Montgomery
County
1.828.271.7980 – Stanly County

N.C. State Historic Preservation
Office
1.919.733.4763

Montgomery County Planning
and Zoning
1.910.572.3304

Stanly County Planning
and Zoning
1.704.986.3660

Progress Energy Home Page
<http://progress-energy.com>

U.S. Army Corps of Engineers
<http://www.usace.army.mil/>

Stanly County Local Government
<http://www.co.stanly.nc.us>

Montgomery County Local
Government
<http://www.montgomery-county-nc.gov>

Lake Tillery

Lake Tillery is the storage reservoir for the Tillery Hydroelectric Plant, part of the Yadkin-Pee Dee River Hydroelectric Project. This project is comprised of the Blewett Falls Hydroelectric Plant, the Tillery Hydroelectric Plant, and the associated lakes and lands necessary and useful for the safe operation of the electric generating facilities. The Yadkin-Pee Dee River Hydroelectric Project is licensed by the Federal Energy Regulatory Commission (FERC) as Project No. 2206. The original license for the project was issued in 1958.

Progress Energy Carolinas began construction of the Tillery hydroelectric development in 1926, immediately following the company's organization. The development was completed and the plant was placed in service in 1928.

The Tillery Plant powerhouse has four electric generating units. Units 1 and 3 are rated at 31,000 horsepower and can generate 22,000 kilowatts of power each. Unit 2 is rated at 25,600 horsepower and can generate 18,000 kilowatts. Unit 4 was added in 1960 after the first FERC license was issued in 1958. Unit 4 is rated at 33,000 horsepower and has a generating capacity of 22,000 kilowatts.

Lake Tillery extends approximately 15 miles upstream from the dam to Alcoa Power Generating, Inc.'s Yadkin Falls Hydroelectric Development. At the normal maximum operating lake level of 277.3 feet (NAVD), the lake is about 72 feet deep at the dam, has a surface area of about 5,263 acres, and has approximately 118 miles of shoreline. The usable storage with a 22-foot drawdown is 88,000 acre-feet of water. Lake Tillery's shoreline is extensively developed with secondary vacation homes, primary homes, and marinas. The lake is widely used by the public for boating, fishing, skiing, swimming and other water-related activities. Except for maintenance purposes and unusual weather circumstances the lake rarely fluctuates more than two feet.

The Tillery Dam is located about 219 river miles upstream of the mouth of the Pee Dee River. The drainage area at the dam is approximately 4,600 square miles. The dam consists of 1,200 feet of earthen embankment and 1,553 feet of concrete structures. The concrete structures include: 758 feet of spillway with 18 62-foot-high concrete ogee (spilling) sections topped with steel gates 24 feet high and 34 feet wide; (618 feet of powerhouse and intake structure and east non-overflow section with a maximum height 98.5 feet above the rock foundation; and 176 feet of west non-overflow section tying in to the earthen embankment.

River flows vary widely in the Pee Dee River; however, no flows have ever approached the capacity of the Tillery Dam spillway in the 75-year history of the facility. The largest flood at the dam since the construction of the Tillery project was the Sept. 17-18, 1945, flood. Based on plant records, the maximum discharge during this flood was 160,000 cubic feet per second (cfs). The discharge capacity of the Tillery Dam spillway with all gates fully opened and the lake at elevation 277.3 feet (NAVD) is 259,000 cfs. The spillway is designed to pass 295,000 cfs with a one-foot rise in the reservoir. The average flow of the river at the dam is estimated at about 5,300 cfs.

Penalty Fees

Persons who own property adjacent to, or lease property on Lake Tillery could incur a penalty of \$250 from Progress Energy for:

- Failing to obtain a lease and/or Facilities Approval Form prior to construction.
- Construction deviates from the original permit and drawing approved by a Progress Energy representative.
- Construction not complying with Progress Energy's Guidelines for the Use of Leased Properties at Lake Tillery.

If it is found that a lease tag has been removed by parties other than Progress Energy, the lessee will be charged \$25 for the cost of the tag and reinstallation.

If an individual is found to be in violation of Progress Energy's procedures, approved permit or guidelines, they will be expected to take corrective action by:

- Acquiring the necessary forms (e.g., Lake Lease and/or Facilities Application Form) and submitting payment for all fees and penalties incurred.
- Bringing their facilities into compliance with the Progress Energy-approved drawing submitted in their Facilities Application Form.
- Possible additional mitigation to enhance the shoreline.

Progress Energy reserves the right to cancel or deny a lease to those individuals who do not submit payment of fees and penalties or refuse to comply with the procedures, policies and guidelines.

PLEASE NOTE

For additional guidance on when to submit a facilities approval form, see page 15.

This booklet contains an application for soil disturbance on Progress Energy's project lands at Lake Tillery, an application for constructing facilities and a permit letter.

Prior to completing any application forms, please carefully read the Guidelines for the Use of Leased Properties at Lake Tillery to assist you with answering any questions concerning your proposed activities.

You are only required to submit the soil disturbance application to the North Carolina Cultural Resources Department if you will be disturbing soil on Progress Energy's project lands (e.g., walkways, piers, boathouses, deck areas, seawalls and dredging).

Once all necessary agency approvals are obtained, proceed with completing the Progress Energy application.

For further information regarding agency approvals, contact the agency directly at the following addresses:

Montgomery County
U.S. Army Corps of Engineers
P.O. Box 1890
Wilmington, NC 28402-1890
Telephone: 1.910.251.4511
Fax: 1.910.251.4025

Stanly County
U.S. Army Corps of Engineers
151 Patton Avenue
Room 208
Asheville, NC 28801-5006
Telephone: 1.828.271.7980
Fax: 1.828.281.8120

Montgomery and Stanly County
Division of Water Quality
401 Wetlands Unit
1650 Mail Service Center
Raleigh, NC 27699-1650
Telephone: 1.919.733.1786
Fax: 1.919.733.6893

N.C. Department of Cultural Resources
State Historic Preservation Office
4617 Mail Service Center
Raleigh, NC 27699-4617
Telephone: 1.919.733.4763
Fax: 1.919.733.8653

N.C. Wildlife Resources Commission
Division of Inland Fisheries
1721 Mail Service Center
Raleigh, NC 27699-1721
Telephone: 1.919.733.3633 ext. 281
Fax: 1.919.715.7643

**Mail application to: N.C. Department of Cultural Resources
State Historic Preservation Office
4617 Mail Service Center
Raleigh, NC 27699-4617**

APPLICATION FOR APPROVAL FORM FOR SOIL DISTURBANCE ON PROGRESS ENERGY'S PROJECT LAND – LAKE TILLERY

I. Date of Application		
II. Application Information (please print)		
APPLICANT NAME(S)		
PERMANENT MAILING ADDRESS		
CITY	STATE	ZIP
TELEPHONE (h)	TELEPHONE (w)	
FAX NUMBER (optional)	E-MAIL ADDRESS (optional)	

III. Property Information (please print)			
PROPERTY ADDRESS			
CITY	STATE	ZIP	
TELEPHONE (LAKE)	COUNTY		
SUBDIVISION	LOT #(S)	PLAT BOOK AND PAGE #	
TOWNSHIP	COUNTY		
DETAILED DIRECTIONS TO PROPERTY			
USGS TOPOGRAPHIC QUADRANGLE MAP (check applicable map below)			
<input type="checkbox"/> Badin, NC	<input type="checkbox"/> Morrow Mountain, NC	<input type="checkbox"/> Mount Gilead West, NC	<input type="checkbox"/> Albemarle, NC

Note: USGS topographic quadrangle maps may be obtained from Natural Resources and Conservation Service

Montgomery County
227 N. Main Street
Troy, NC 27371
1.910.572.2700

Stanly County
26032-C Newt Road
Albemarle, NC 28001
1.704.982.6811

IV. Checklist of Enclosures

APPLICATION FOR APPROVAL FORM FOR SOIL DISTURBANCE ON PROGRESS ENERGY'S PROJECT LAND – LAKE TILLERY

COPY OF QUADRANGLE MAP CLEARLY INDICATING THE AFFECTED AREA

COPY OF PROPERTY MAP CLEARLY INDICATING THE FOLLOWING ITEMS:

- Lot leased by lessee
- Progress Energy land between the lot and shoreline
- Water area associated with the lot
- Allocation lines that determine facilities locations and dredging area
- Dimensions of area to be dredged
- Amount of dredged material to be removed
- Description of desired facilities (walkways, piers, boathouses, deck areas [over water only], seawalls)
- Dimensions of desired facilities (walkways, piers, boathouses, deck areas [over water only], seawalls)
- Existing square footage (water area covered) of water dependent structures
- Proposed square footage (water area covered) of new water dependent structures
- Maximum distance facilities will extend horizontally into Lake Tillery and cove widths where appropriate

PLAN FOR DISPOSAL OF DREDGED MATERIAL – applicant must attach a written description of their plans for disposing of dredged material. No dredged material may be disposed of within the FERC project boundary, or on property owned or managed by Progress Energy.

RESOURCE IMPACTS ASSESSMENT – applicant must attach a brief written description of the potential impacts of the proposed soil disturbance 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 soil disturbance, it should be noted and the areas of vegetation should be photographed, and included with the application.

SCHEDULE FOR CONDUCTING THE PROPOSED SOIL DISTURBANCE – applicant must attach a written schedule for completing the proposed soil disturbance.

AGENCY APPROVALS – applicant must attach copies of written concurrence with the proposed soil disturbance from the following agencies (refer to instructions – for Application for Approval Form for Soil Disturbance on project land):

- U. S. Army Corps of Engineers (seawalls and dredging)
- North Carolina Division of Water Quality (seawalls and dredging)

V. Applicant Signature(s)

I hereby apply for an approval form to perform the above – described soil disturbance at Lake Tillery, I agree to abide by all applicable requirements of Progress Energy's Shoreline Management Plan, the conditions of the Application for Approval Form for Soil Disturbance on project land (walkways, piers, boathouses, deck areas [over water only], seawalls and dredging), the Guidelines for the Use of Leased Properties at Lake Tillery and other Progress Energy procedures and requirements. I also agree that no work will begin until I receive an Approval Form signed by Progress Energy.

APPLICANT SIGNATURE _____ DATE _____

APPLICANT SIGNATURE _____ DATE _____

VI. Requirements
All facilities must be constructed in accordance with the Guidelines for the Use of Leased Properties at Lake Tillery.
All dredging must be done in accordance with the Guidelines for the Use of Leased Properties at Lake Tillery.
All dredging and seawall construction must have prior written approval from the U. S. Army Corps of Engineers, the North Carolina Division of Water Quality (NCDWQ) and the N.C. Wildlife Resources Commission.
<p>All soil disturbances require prior written approval from the North Carolina Department of Cultural Resources (NCDCCR). For further information regarding this approval, you may contact the NCDCCR at the following address:</p> <p style="text-align: center;">N.C. Department of Cultural Resources State Historic Preservation Office 4617 Mail Service Center Raleigh, NC 27699-4617</p>
Facilities may not be constructed in environmental/natural areas.
Limited facilities may or may not be approved for construction in Impact Minimization Zones.
Dredging may not occur during the months of March through June because of potential impacts to fish spawning.
Dredging is not allowed in Impact Minimization Zones and environmental/natural areas.
Dredging is not permitted in aquatic emergent vegetation beds or other environmentally sensitive habitat unless extenuating circumstances are involved.
Dredging may remove only silted material, no rock or hard clay.
Dredging must be such that water will drain freely from the dredged area when the reservoir level drops below the level of the dredged area.
All dredged material must be immediately removed from Progress Energy property.
Individuals performing the dredging are responsible for disposing of dredged material in compliance with the rules and regulations of the North Carolina Department of Environment and Natural Resources (NCDENR). For further information regarding the disposal of dredged materials, you may contact NCDENR at 1.919.733.1786.



Lake Management
 c/o Business Services
 Progress Energy
 P.O. Box 1551, PEB 3A
 Raleigh, NC 27602

For PEC Use Only	
Date Received _____	
Application Complete _____	
FAF Paid _____	
FAF Expiration _____	

APPLICATION FOR CONSTRUCTING FACILITIES ON PROGRESS ENERGY'S PROPERTY – LAKE TILLERY

Failure to complete all items will result in a delay of your application being reviewed and approved.

I. Date of Application		LEASE #
II. Application Information (please print)		
LESSEE'S NAME(S)		
BILLING ADDRESS		
CITY	STATE	ZIP
TELEPHONE (h)	TELEPHONE (w)	
FAX NUMBER (optional)	E-MAIL ADDRESS	

III. Property Information (please print)		
PROPERTY ADDRESS		
CITY	STATE	ZIP
SUBDIVISION	LOT #(S)	PLAT BOOK AND PAGE #
TELEPHONE (LAKE)	COUNTY	

Designation of shoreline area where soil disturbance is to take place as shown on Progress Energy's Shoreline Management Plan (see Guidelines for the Use of Leased Properties at Lake Tillery, Attachment B, for designation)	
<input type="checkbox"/> AGRICULTURAL	<input type="checkbox"/> COMMERCIAL
<input type="checkbox"/> ENVIRONMENTAL NATURAL AREA	<input type="checkbox"/> IMPACT MINIMIZATION ZONE
<input type="checkbox"/> RESIDENTIAL	

IV. Proposed Activity (please print)	
DOCK	<input type="checkbox"/> NEW <input type="checkbox"/> MODIFICATION
SEAWALL/RIP RAP	<input type="checkbox"/> NEW <input type="checkbox"/> MODIFICATION
BOATHOUSE	<input type="checkbox"/> NEW <input type="checkbox"/> MODIFICATION
DECK AREA	<input type="checkbox"/> NEW <input type="checkbox"/> MODIFICATION
OTHER	<input type="checkbox"/> NEW <input type="checkbox"/> MODIFICATION
PLEASE DESCRIBE OTHER	

V. Project Information

DATE ACTIVITY IS PROPOSED TO COMMENCE

LIST ALL APPROVALS OR CERTIFICATIONS REQUIRED BY OTHER FEDERAL, STATE OR LOCAL AGENCIES FOR ANY STRUCTURES, CONSTRUCTION, DREDGING OR OTHER ACTIVITIES DESCRIBED IN THIS APPLICATION

Issuing Agent	Type Approval	Identification No.	Date of Application	Date of Approval

HAS ANY AGENCY DENIED APPROVAL FOR THE ACTIVITY DESCRIBED HEREIN OR FOR ANY ACTIVITY DIRECTLY RELATED TO THE ACTIVITY DESCRIBED HEREIN? YES NO

REMARKS OR ADDITIONAL INFORMATION (Attach additional sheet, if necessary)

DETAILED DIRECTIONS TO PROPERTY

VI. Specifications

FACILITY IS PROPOSED MODIFICATION TO EXISTING FACILITY

DOCK/BOATHOUSE DIMENSIONS

Length (ft.)	Width (ft.)	Square footage
Length (ft.)	Width (ft.)	Square footage
Length (ft.)	Width (ft.)	Square footage

ROOF DIMENSIONS

Length (ft.)	Width (ft.)	Square footage
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WALKWAY DIMENSIONS (OVER LAND AND WATER)

AREA OVER LAND	Length (ft.)	Width (ft.)	Square footage
AREA OVER WATER	Length (ft.)	Width (ft.)	Square footage

NUMBER OF SLIPS

SLIP DIMENSIONS (e.g., 8 ft. X 15 ft.)

1.	2.
3.	4.

TOTAL SQUARE FOOTAGE OF FACILITIES, INCLUDING ROOF OVERHANG, OVER WATER AND ANY AREA INCLUDING UNCOVERED SLIPS:

DOCK BUILDER OR ENGINEER

Name

Address

City

State

Zip

Telephone

VII. Checklist of Enclosures

- APPLICATION FOR CONSTRUCTING FACILITIES
- DRAWINGS TO SCALE (ON 8 1/2" X 11" PAPER) SHOWING ALL MEASUREMENTS AND ELEVATIONS
- PLAN FOR EROSION AND SEDIMENTATION CONTROL DURING CONSTRUCTION
- APPLICABLE LOCAL, STATE AND FEDERAL PERMITS (U.S. ARMY CORPS OF ENGINEERS, NCDWQ AND NCDRC)
- \$100 NONREFUNDABLE FACILITIES APPLICATION FEE ENCLOSED, MADE PAYABLE TO PROGRESS ENERGY
(check or money order only)
- PERMIT LETTER (page 13)

VIII. Please Submit Application, Facilities Application Fee and all items listed in checklist to:

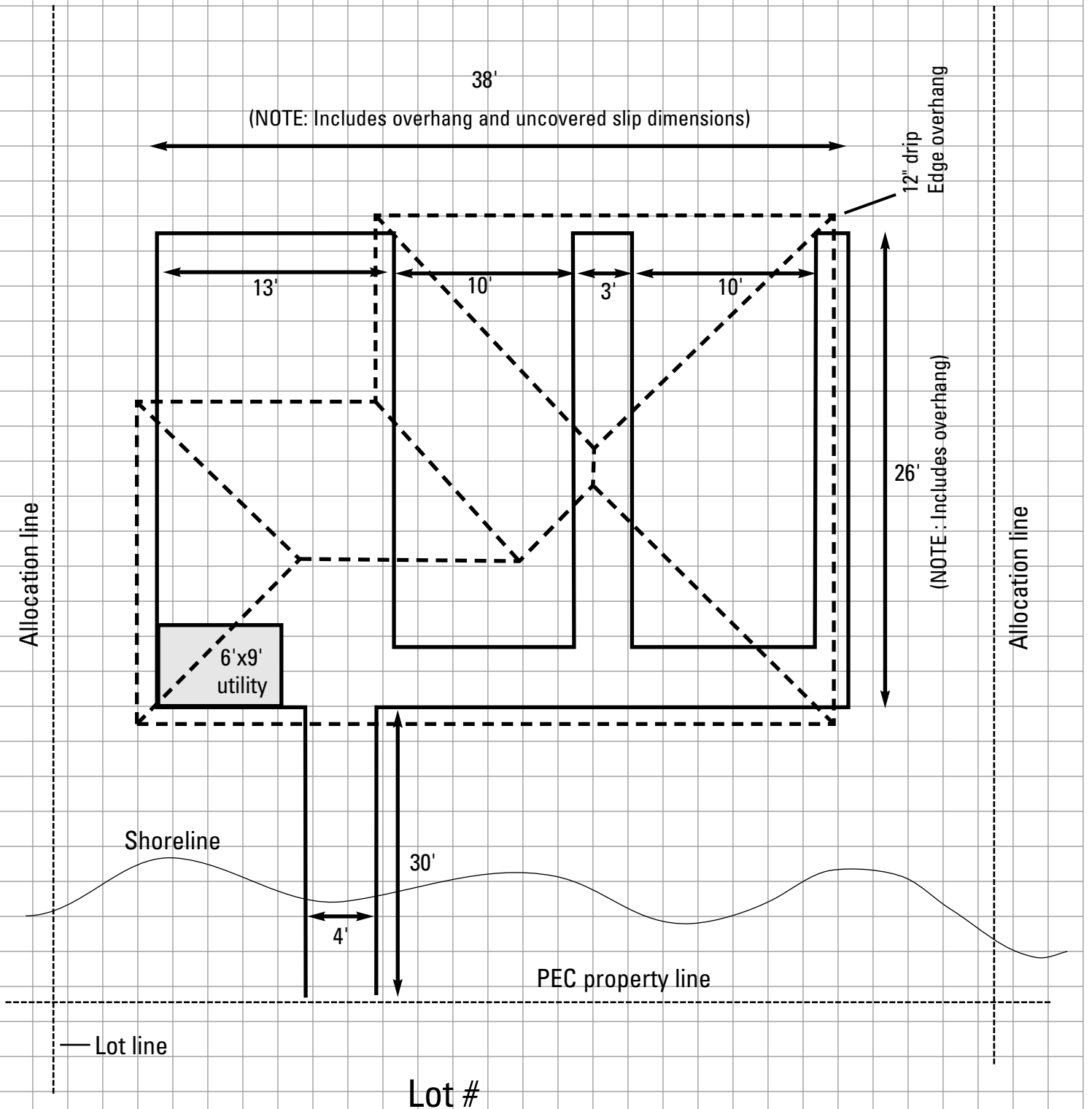
Lake Management
c/o Business Services
Progress Energy
P.O. Box 1551, PEB 3A
Raleigh, NC 27602

IX. Approval Process

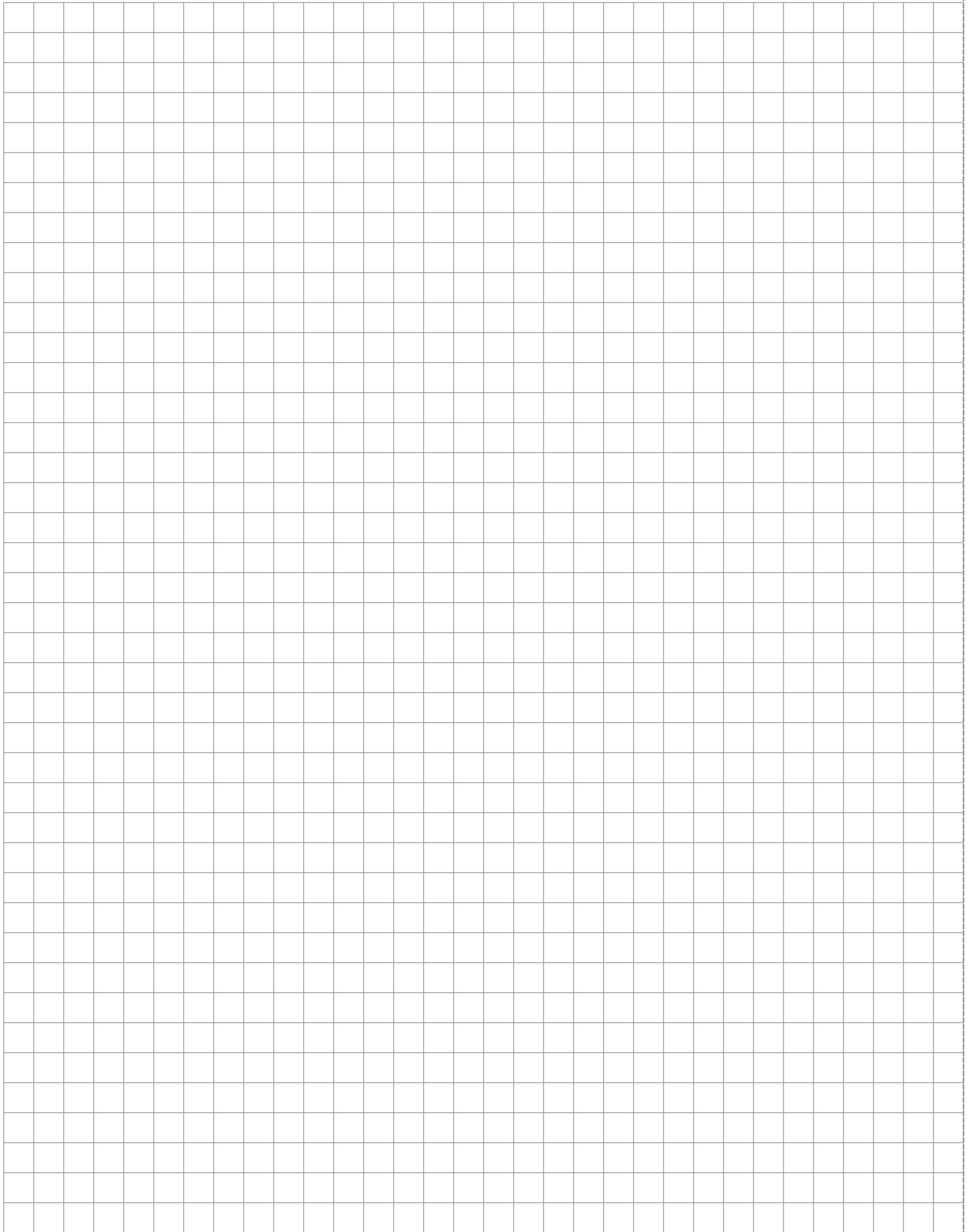
- Application reviewed to determine if it is complete.
- If application is not complete or does not contain all the items and information listed in the checklist of enclosures, applicant(s) will be contacted directly to provide the omitted information.
- If the omitted information is not received within thirty (30) days of information request, the application will be returned to applicant(s) as incomplete and the application fee forfeited.
- Review of the application.
- A site visit on your property by a PEC representative to review your relevant drawings and discuss PEC requirements.
- If application is approved, Progress Energy will mail a copy of the Permit Letter and PEC Building Permit to the applicant's address or contact the applicant by phone or in writing of conditions or denial.
- Applicant is to have PEC Building Permit posted within 20 feet of project and it must be viewable from the water. The PEC permit must remain posted until a PEC representative inspects the project and determines the project is complete and within the application specifications.

X. Additional Notes or Comments

EXAMPLE DRAWING



SCALE: 1/4" = 2'





Lake Management
 c/o Business Services
 Progress Energy
 P.O. Box 1551, PEB 3A
 Raleigh, NC 27602

PERMIT LETTER

NAME _____ SUBDIVISION _____
 ADDRESS _____ LOT # _____
 CITY, STATE, ZIP _____

Your current lease with Progress Energy (PEC) and the Guidelines for the Use of Leased Properties at Lake Tillery provide that, subject to certain requirements, you may construct and maintain a pier, wharf and a one-story boathouse at Lake Tillery. PEC does not object to the installation of a bulkhead or rip rap material for shoreline stabilization provided the required permits are acquired.

NOTE: A pier, wharf and a one-story boathouse must be erected over that portion of Lake Tillery immediately adjacent to your leased premises and in the location herein approved by PEC. Encroachments that are not promptly relocated after written notice to do so from PEC subjects your lease to possible termination. Additionally, you may not construct or install other improvements/structures, i.e., roof overhangs, driveways, porches, decks over land, garages, buildings, storage buildings, wells or septic tanks on your leased premises. As required under your lease, you must permit PEC, its officers, agents, employees and other authorized persons to enter the leased premises at any and all times for the purpose of inspecting the leased premises and your compliance with the terms and conditions of your lease.

The United States Army Corps of Engineers has issued a regional general permit covering this type of authorized work – a copy of which is attached for your assistance and information. Please be advised of the requirement in paragraph 2.a. of said Permit (page 5) regarding the need to apply for and obtain a Water Quality Certification from the North Carolina Division of Water Quality in accordance with Section 401 of the Clean Water Act.

You may use this letter as PEC’s permission in your application for a building permit from the appropriate Montgomery County Inspection Office/Stanly County Planning Department to construct the specific facilities set forth above and in applying for the appropriate certification from the state. If you have not completed construction of your facilities within the next three (3) months from the date of this letter, PEC’s permission shall expire, requiring you to submit another application to PEC, along with an additional \$100 nonrefundable application fee. PEC’s approval hereunder is subject to your compliance with the terms and conditions of your lease and Guidelines for the Use of Leased Properties at Lake Tillery (as they may be amended from time to time).

Please see the reverse side of this document to describe the improvements you plan to construct.

I/we hereby certify that the above-specified dock complies with Progress Energy’s facilities specifications in effect at the time of application for a dock permit.

 LESSEE’S SIGNATURE

 DATE

 PROGRESS ENERGY REPRESENTATIVE’S SIGNATURE

 DATE

Do I need to submit an application?

WHEN DO I NEED TO SUBMIT AN APPLICATION FOR CONSTRUCTING OR MODIFYING FACILITIES?

If any one, or more, of the following occurs:

- Constructing a new facility (e.g., boathouse, walkway, seawall, deck area or pier)
- Adding square footage to your facility
- Major repairs
- Replace pilings or pier or walkway supports
- Replace siding

Always contact a Progress Energy representative before beginning any work on one of your facilities. However, you may need to submit an application if you are doing one of the following:

- Replace decking boards (not to exceed 50 percent of the structure's value)
- Minor roof repairs (replacing a portion of the roof, not to exceed 50 percent of the structure's value)
- Minor seawall repairs (call Progress Energy for guidance)

If you are unclear about whether you need to submit a facilities application, please call Progress Energy at 1.877.893.0001 for guidance. Failure to submit a necessary application could result in penalty fees.

How do I proceed?

