

ATTACHMENT 1

FROM: SOUTH CAROLINA ELECTRIC & GAS

RE: LICENSE RENEWAL AT V. C. SUMMER

DATED: JANUARY 19, 2001

**VIRGIL C. SUMMER NUCLEAR STATION
APPLICATION FOR RENEWED OPERATING LICENSE
APPENDIX E - ENVIRONMENTAL REPORT**

January 19, 2001
RC-01-0006



Ms. Elizabeth Morton
State Historic Preservation Office Representative
Central Midlands Region
South Carolina Department of Archives and History
The South Carolina Archives & History Center
8301 Parklane Road
Columbia, SC 29223

Dear Ms. Morton:

Stephen A. Byrne
Vice President
Nuclear Operations
803.345.4622

**Subject: VIRGIL C. SUMMER NUCLEAR STATION LICENSE RENEWAL
REQUEST FOR INFORMATION ON
HISTORIC / ARCHAEOLOGICAL RESOURCES**

South Carolina Electric and Gas Company (SCE&G) is preparing an application to the U.S. Nuclear Regulatory Commission (NRC) to renew the operating license for Virgil C. Summer Nuclear Station, which expires in August 2022. SCE&G intends to submit this application for license renewal in August 2002. As part of the license renewal process, the NRC requires license applicants to "assess whether any historic or archaeological properties will be affected by the proposed project." The NRC may also request an informal consultation with your office at a later date under Section 106 of the National Historic Preservation Act of 1966, as amended (16 USC 470) and Federal Advisory Council on Historic Preservation regulations (36 CFR 800). By contacting you early in the application process, we hope to identify any issues that need to be addressed or any information your office may need to expedite the NRC consultation.

South Carolina Electric & Gas Co.
Virgil C. Summer Nuclear Station
P. O. Box 88
Jenkinsville, South Carolina
27565

803.345.5209
803.345.7467

SCE&G has operated Virgil C. Summer Nuclear Station (Summer Station) and associated transmission lines since 1982. Summer Station is in Fairfield County, South Carolina, approximately 15 miles southwest of the town of Winnsboro and approximately 26 miles northwest of Columbia (latitude 34.295833; longitude 81.320278) (see Figure 2-1). The plant lies on the south shore of Monticello Reservoir (see Figure 2-2), which serves as its cooling water source and heat sink. The Summer Station property (Figure 2-3) is defined as the area within approximately one mile of the reactor building and includes the southern portion of Monticello Reservoir. It totals approximately 2,200 acres.

SCE&G, which owns two-thirds of the plant, built eight transmission lines for the specific purpose of connecting Summer Station to the regional transmission system (see Figure 3-3). South Carolina Public Service Authority (commonly referred to as "Santee Cooper"), owner of the remaining one-third of the plant, built two additional lines to connect to the regional grid. Beginning at Summer Station, the SCE&G lines

NUCLEAR EXCELLENCE - A SUMMER TRADITION!

**VIRGIL C. SUMMER NUCLEAR STATION
APPLICATION FOR RENEWED OPERATING LICENSE
APPENDIX E - ENVIRONMENTAL REPORT**

Ms. Elizabeth Morton, SHPO
Page 2 of 2

generally run in a southerly direction, with five terminations very near Summer Station; one near Aiken, South Carolina; and two near Columbia (see Figure 3-2). The Santee Cooper lines run roughly east and west to substations near Blythewood and Newberry, South Carolina, respectively.

Using the National Register Information System (NRIS) on-line database, we have compiled a list of sites on the National Register of Historic Places within a 6-mile radius of the Summer Station property. In addition, a contractor spent several days at the S.C. Institute of Archaeology and Anthropology discussing the project with Institute staff and reviewing files on archeological sites in the project area. One site, designated FA 47 by the Institute of Archeology and Anthropology, lies between the access road (SC 311) to Summer Station and Monticello Reservoir. Based on the appearance of the area (mowed grass, for the most part), it is presumed to have been disturbed during construction of the station in the 1970s. We will provide all of this information to the NRC to aid in their evaluation of the license application.

SCE&G does not expect the operation of Summer Station through the license renewal term (an additional 20 years) to adversely affect cultural or historical resources in the area and region. SCE&G has no plans to alter current operations over the license renewal period. No major expansion of existing facilities is planned, and no major structural modifications have been identified for the purposes of supporting license renewal. No additional land disturbance is anticipated in support of license renewal.

We would appreciate your sending us a letter by March 1, 2001 detailing any concerns you may have about historic/archaeological properties in the area or confirming SCE&G's conclusion that operation of Summer Station over the license renewal term would have no effect on any historic or archaeological properties in South Carolina. This will enable us to meet our application preparation schedule. SCE&G will include a copy of this letter and your response in the license renewal application that we submit to the NRC. Please call Mr. Stephen E. Summer at (803) 345-4252 if you have any questions or require any additional information to review the proposed action.

Very truly yours,



Stephen A. Byrne

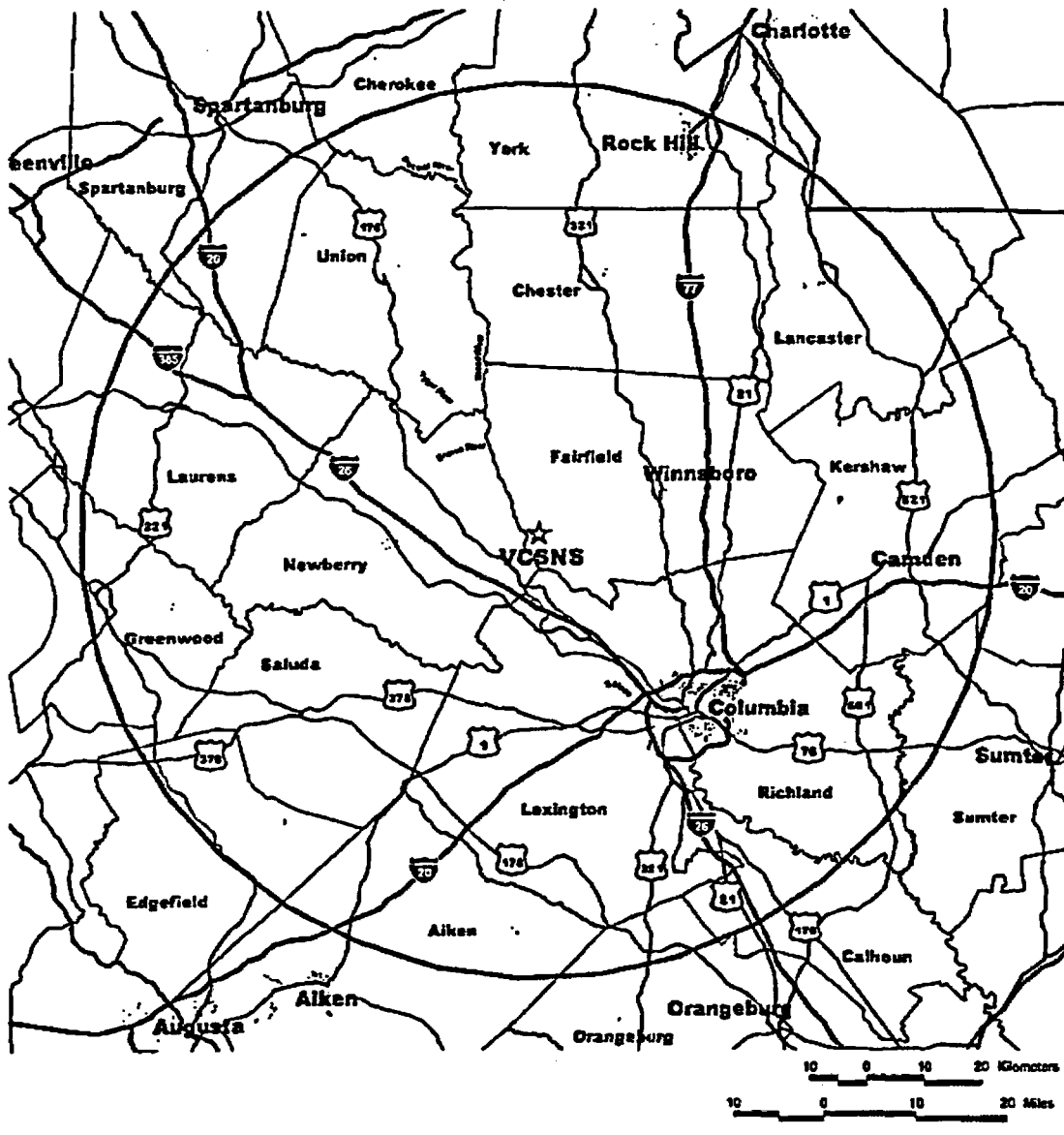
SES/SAB

attachments

c: R. B. Clary (800)
W. R. Higgins (830)
P. R. Moore (Tetra Tech NUS)
File (821.01)
DMS (RC-01-0006)

**VIRGIL C. SUMMER NUCLEAR STATION
APPLICATION FOR RENEWED OPERATING LICENSE
APPENDIX E - ENVIRONMENTAL REPORT**

**DRAFT
LICENSE RENEWAL APPLICATION
V.C. SUMMER NUCLEAR STATION**

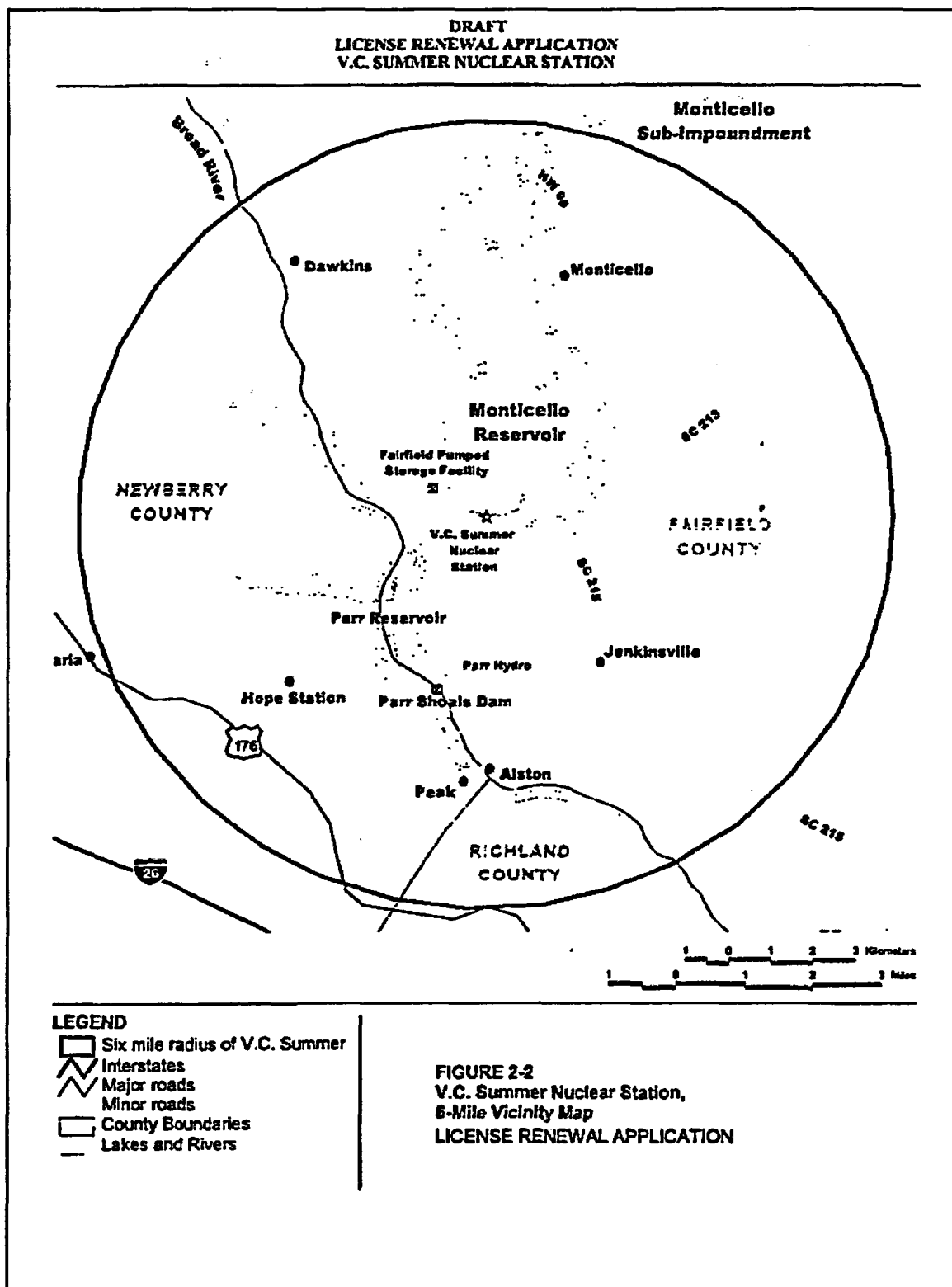


LEGEND

- ★ V.C. Summer Nuclear Station
- 60 mile radius of V.C. Summer
- ▬ Interstates
- ▬ Major roads
- ▬ County Boundaries
- ▬ State Boundary
- ▬ Lakes and Rivers
- Major Urban Areas

**FIGURE 2-1
V.C. Summer Nuclear Station,
60-Mile Locational Vicinity Map
LICENSE RENEWAL APPLICATION**

**VIRGIL C. SUMMER NUCLEAR STATION
APPLICATION FOR RENEWED OPERATING LICENSE
APPENDIX E - ENVIRONMENTAL REPORT**



VIRGIL C. SUMMER NUCLEAR STATION
APPLICATION FOR RENEWED OPERATING LICENSE
APPENDIX E - ENVIRONMENTAL REPORT

DRAFT
ENVIRONMENTAL REPORT FOR LICENSE RENEWAL
VIRGIL C. SUMMER NUCLEAR STATION

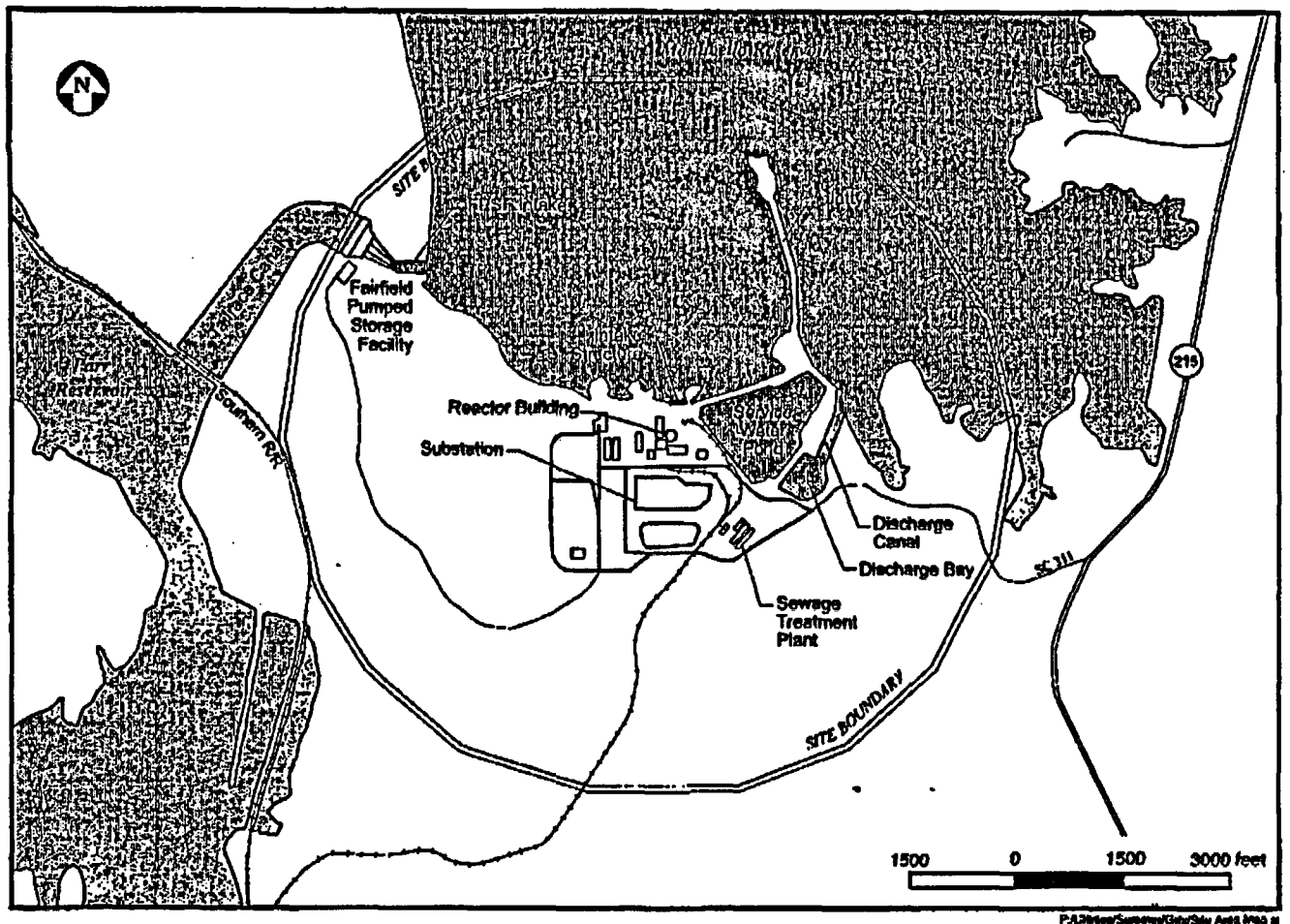
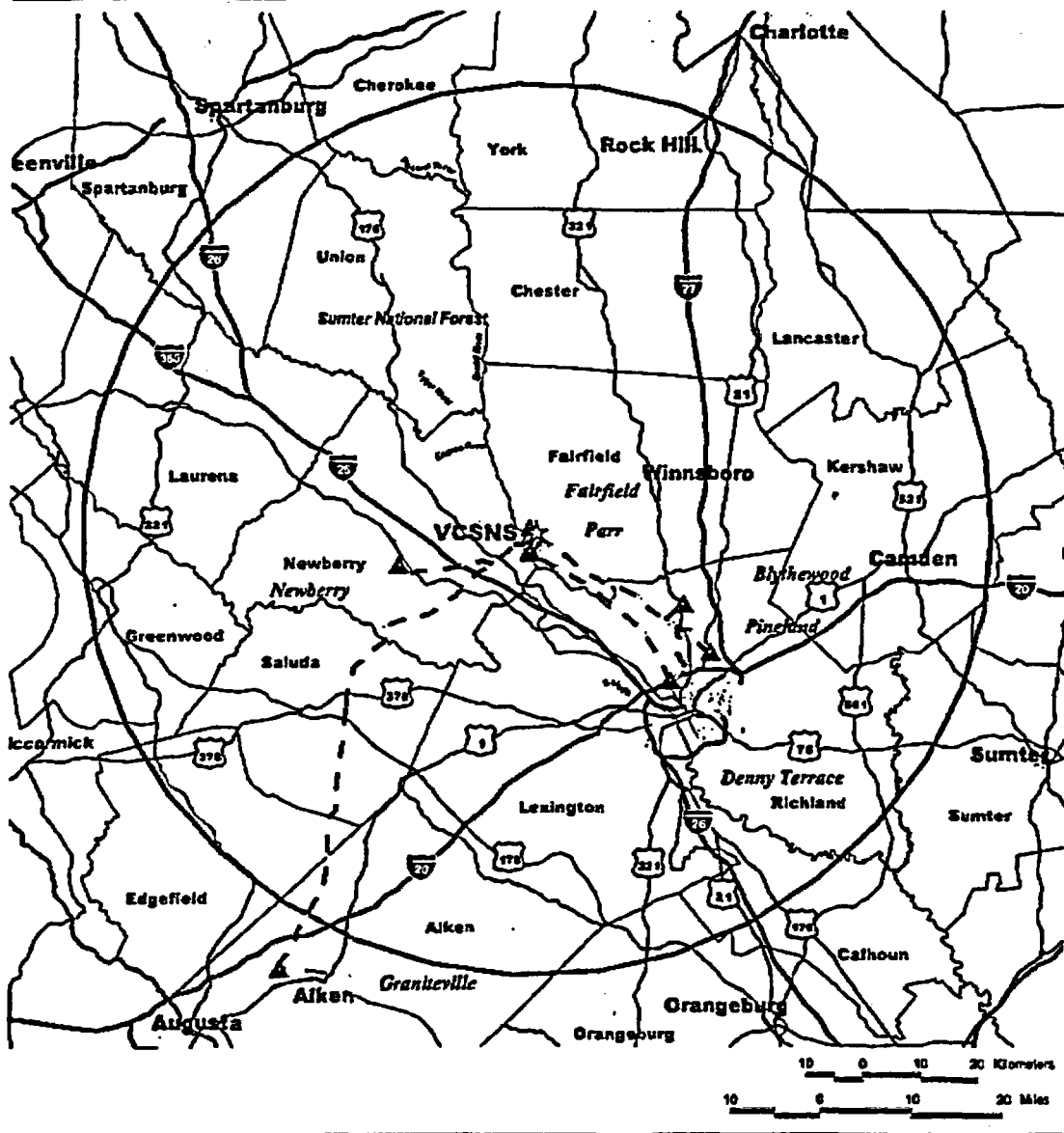


Figure 2-3. South Carolina Electric & Gas Company, Virgil C. Summer Nuclear Station Site Area Map.

**VIRGIL C. SUMMER NUCLEAR STATION
APPLICATION FOR RENEWED OPERATING LICENSE
APPENDIX E - ENVIRONMENTAL REPORT**

DRAFT
LICENSE RENEWAL APPLICATION
V.C. SUMMER NUCLEAR STATION



- LEGEND**
- ★ V.C. Summer Nuclear Station
 - ▲ Substations
 - Transmission Lines
 - 50 mile radius of V.C. Summer
 - ▬ Interstates
 - ▬ Major roads
 - ▬ County Boundary
 - ▬ State Boundary
 - ▬ Lakes and Rivers
 - ▬ National Forests

**FIGURE 3-2
V.C. Summer Nuclear Station,
50-Mile Transmission Line Map
LICENSE RENEWAL APPLICATION**

**VIRGIL C. SUMMER NUCLEAR STATION
APPLICATION FOR RENEWED OPERATING LICENSE
APPENDIX E - ENVIRONMENTAL REPORT**

