



# United States Department of the Interior

FISH AND WILDLIFE SERVICE  
176 Croghan Spur Road, Suite 200  
Charleston, South Carolina 29407



May 13, 2008

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RULES AND DIRECTIVES  
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Mr. Richard P. Raione, Branch Chief  
Environmental Projects Branch 2  
Division of Site and Environmental Reviews  
Office of New Reactors  
U.S. Nuclear Regulatory Commission  
Washington, D.C. 20555-0001

Re: William States Lee, III, Nuclear Station, Combined License Application County,  
Cherokee County, SC  
FWS Log No. 42410-2008-SL-0407

Dear Mr. Raione:

The U.S. Fish and Wildlife Service (Service) has received Nuclear Regulatory Commission's (NRC) request to participate in the environmental scoping process and for a list of protected species within the area proposed to construct two new nuclear reactors on the Broad River in Cherokee County, SC. The NRC is reviewing an application by Duke Energy Carolinas, LLC for a combined license for two new reactors, Units 1 and 2 at its William States Lee III facility near the Town of Gaffney, SC. Your request is being made as required by the National Environmental Policy Act of 1969, the Endangered Species Act of 1973 and the Fish and Wildlife Coordination Act of 1934 to facilitate the development of an Environmental Impact Statement (EIS) evaluating potential environmental issues and alternative considerations.

Your request is twofold, to solicit comments from the Service on potential environmental concerns and to obtain a list of threatened and endangered (T&E) species that may be present and affected by the project. This response from the Service will provide the list of T&E species requested, general scoping comments will be provided under separate letter within a timely manner.

A description of the project also includes the installation of new transmission lines extending beyond the footprint of the power plant. As the siting area for the transmission lines encompass York and Union Counties the Service will include T&E species for these areas. Three alternative sites will also be considered in the EIS, Oconee and Anderson County in SC and Davie County, NC. This letter includes the species list found in Oconee and Anderson Counties, SC. For a list of species in Davie County, NC, please contact the Service's Asheville field office at (828)-258-3939.

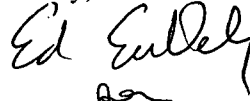
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The Service appreciates the opportunity to comment on this project. If you have any questions regarding the Service's comments, please do not hesitate to contact Mark Caldwell at (843) 727-4707 (ext. 215), Lora Zimmerman (ext. 226) or Amanda Hill (ext. 303).

Sincerely,

A handwritten signature in black ink, appearing to read "Ed Eulaly", with a small flourish underneath.

Timothy N. Hall  
Field Supervisor

TNH/MAC/km

cc: Mr. Mark Cantrell, USFWS, Asheville, NC

**South Carolina Distribution Records of  
Endangered, Threatened, Candidate and Species of Concern  
March 2008**

E	Federally endangered
T	Federally threatened
P	Proposed in the Federal Register
CH	Critical Habitat
BGEPA	Federally protected under the Bald and Golden Eagle Protection Act
C	The U.S. Fish and Wildlife Service or the National Marine Fisheries Service has on file sufficient information on biological vulnerability and threat(s) to support proposals to list these species
S/A	Federally protected due to similarity of appearance to a listed species
SC	Federal Species of concern. These species are rare or limited in distribution but are not currently legally protected under the Endangered Species Act.
*	Contact the National Marine Fisheries Service for more information on this species

These lists should be used only as a guideline, not as the final authority. The lists include known occurrences and areas where the species has a high possibility of occurring. Records are updated continually and may be different from the following.

**ANDERSON COUNTY**

<b>Common Name</b>	<b>Scientific Name</b>	<b>Status</b>	<b>Occurrence</b>
Bald eagle	<i>Haliaeetus leucocephalus</i>	BGEPA	Known
Smooth coneflower	<i>Echinacea laevigata</i>	E	Known
Prairie birdsfoot-trefoil	<i>Lotus purshianus</i> var. <i>helleri</i>	SC	Possible
Fraser's loosestrife	<i>Lysimachia fraseri</i>	SC	Known
American kestrel	<i>Falco sparverius</i>	SC	Possible
Loggerhead shrike	<i>Lanius ludovicianus</i>	SC	Possible
Carolina darter	<i>Etheostoma collis</i>	SC	Known

**CHEROKEE COUNTY**

<b>Common Name</b>	<b>Scientific Name</b>	<b>Status</b>	<b>Occurrence</b>
Dwarf-flowered heartleaf	<i>Hexastylis naniflora</i>	T	Known
Georgia aster	<i>Aster georgianus</i>	C	Possible
Prairie birdsfoot-trefoil	<i>Lotus purshianus</i> var. <i>helleri</i>	SC	Known
Biltmore green briar	<i>Smilax biltmoreana</i>	SC	Possible

American kestrel	<i>Falco sparverius</i>	SC	Possible
Loggerhead shrike	<i>Lanius ludovicianus</i>	SC	Known
Southeastern myotis	<i>Myotis austroriparius</i>	SC	Known

## OCONEE COUNTY

Common Name	Scientific Name	Status	Occurrence
Smooth coneflower	<i>Echinacea laevigata</i>	E	Known
Small whorled pogonia	<i>Isotria medeoloides</i>	T	Known
Persistent trillium	<i>Trillium persistens</i>	E	Known
Georgia aster	<i>Aster georgianus</i>	C	Known
Green salamander	<i>Aneides aeneus</i>	SC	Known
Hellbender	<i>Cryptobranchus alleganiensis</i>	SC	Known
Fort mountain sedge	<i>Carex amplisquama</i>	SC	Known
Manhart sedge	<i>Carex manhartii</i>	SC	Known
Cuthbert turtlehead	<i>Chelone cuthberti</i>	SC	Possible
Butternut	<i>Juglans cinerea</i>	SC	Possible
Prairie birdsfoot-trefoil	<i>Lotus purshianus</i> var. <i>helleri</i>	SC	Possible
Fraser loosestrife	<i>Lysimachia fraseri</i>	SC	Known
Sweet pinesap	<i>Monotropsis odorata</i>	SC	Known
Liverwort (no other name)	<i>Porella japonica</i> ssp. <i>Appalachium</i>	SC	Known
Sun-facing coneflower	<i>Rudbeckia heliopsidis</i>	SC	Known
Oconee-bells	<i>Shortia galacifolia</i>	SC	Known
Biltmore green briar	<i>Smilax biltmoreana</i>	SC	Known
Granite dome goldenrod	<i>Solidago simulans</i>	SC	Possible
Piedmont strawberry	<i>Waldsteinia lobata</i>	SC	Known
Cerulean warbler	<i>Dendroica cerulean</i>	SC	Possible
Black-throated green warbler	<i>Dendroica virens</i>	SC	Possible
American kestrel	<i>Falco sparverius</i>	SC	Possible
Swainson's warbler	<i>Limnothlypis swainsonii</i>	SC	Known
Red crossbill	<i>Loxia curvirostra</i>	SC	Known
Wren, Appalachian Bewick's	<i>Thryomanes bewickii altus</i>	SC	Known
Golden-winged warbler	<i>Vermivora chrysoptera</i>	SC	Known
Brook floater	<i>Alasmidonta varicosa</i>	SC	Known
Rafinesque's big-eared bat	<i>Corynorhinus rafinesquii</i>	SC	Known

Southern Appalachian woodrat	<i>Neotoma floridana</i> <i>haematorea</i>	SC	Known
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### UNION COUNTY

Common Name	Scientific Name	Status	Occurrence
Georgia aster	<i>Aster georgianus</i>	C	Known
Shoals spider-lily	<i>Hymenocallis coronaria</i>	SC	Known
Butternut	<i>Juglans cinerea</i>	SC	Possible
Prairie birdsfoot-trefoil	<i>Lotus purshianus</i> var. <i>helleri</i>	SC	Possible
Sweet pinesap	<i>Monotropsis odorata</i>	SC	Known
Bachman's sparrow	<i>Aimophia aestivalis</i>	SC	Known
Henslow's sparrow	<i>Ammodramus henslowii</i>	SC	Known
American kestrel	<i>Falco sparverius</i>	SC	Possible
Loggerhead shrike	<i>Lanius ludovicianus</i>	SC	Possible

### YORK COUNTY

Common Name	Scientific Name	Status	Occurrence
Carolina heelsplitter	<i>Lasmigona decorata</i>	E	Known
Bald eagle	<i>Haliaeetus leucocephalus</i>	BGEPA	Known
Little amphianthus	<i>Amphianthus pusillus</i>	T	Known
Schweinitz's sunflower	<i>Helianthus schweinitzii</i>	E	Known
Dwarf-flowered heartleaf	<i>Hexastylis naniflora</i>	T	Possible
Georgia aster	<i>Aster georgianus</i>	C	Known
Shoals spider-lily	<i>Hymenocallis coronaria</i>	SC	Known
Creeping St. John's wort	<i>Hypericum adpressum</i>	SC	Known
Prairie birdsfoot-trefoil	<i>Lotus purshianus</i> var. <i>helleri</i>	SC	Possible
Sun-facing coneflower	<i>Rudbeckia heliopsidis</i>	SC	Known
Biltmore greenbrier	<i>Smilax biltmoreana</i>	SC	Known
Auriculate false foxglove	<i>Tomanthera auriculata</i>	SC	Known
Bachman's sparrow	<i>Aimophia aestivalis</i>	SC	Known
American kestrel	<i>Falco sparverius</i>	SC	Possible
Loggerhead shrike	<i>Lanius ludovicianus</i>	SC	Possible
Carolina darter	<i>Etheostoma collis</i>	SC	Known