

## PMVogtleCOLPEm Resource

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**Sent:** Tuesday, May 11, 2010 11:27 AM  
**To:** Reyes, Luis; Joshi, Ravindra; Simms, Tanya; Anderson, Brian; Comar, Manny; Goetz, Sujata; Sebrosky, Joseph; Habib, Donald; McGovern, Denise; Spicher, Terri; Sutton, Mallecia; Notich, Mark; Cain, Loyd; Fuller, Justin; Ajluni, Mark J.; Williams, James D. (Vogtle); Davis, James T.; Sparkman, Wesley A.; Moorer, Tom C.; Yelverton, Todd W.; Faulk, Nicole A.; Price, Mike; 'kim.haynes@opc.com'; Jackson, S. (MEAG); Cope, D. (Dalton Utilities); 'Mr. R.W. Prunty'; 'Patterson, Karen'; 'Mr. J.M. Oddo'; 'Shutt, Daniel C'; Bradley, Sam (Westinghouse); 'M. Melton (melto1ma@westinghouse.com)'; 'Mr. R.B. Sisk'; 'Mr. D.A. Lindgren'; 'Richard Grumbir'; 'Mr. E. Grant'; 'Mr. P.S. Hastings'; 'Mr. B. Hirmanpour'; neil.haggerty@excelservices.com; 'Ms. K.N. Slays'  
**Cc:** Sweeney, Brian J.; Fulton, Dale Lane; Ivey, B. L. (Pete); Henderson, Nancy; Buie, Gloria H.; Albuquerque, Paulo C.; Thornhill, Angela Faye  
**Subject:** Southern Nuclear Letter ND-10-0923, Post New and Significant Audit Supporting Information  
**Attachments:** ND-10-0923 Post N&S Audit Sup Info\_email version.pdf

An electronic copy of Southern Nuclear's letter, ND-10-0923 (with enclosures), dated May 10, 2010, is attached. A hard copy of the letter has been transmitted to the NRC Document Control Desk via FedEx.

Note: The file size of the enclosure has been reduced to allow email capability. If you have any questions, please feel free to contact myself or Dale Fulton at 205-992-7536.

Thank you.

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**Subject:** Southern Nuclear Letter ND-10-0923, Post New and Significant Audit Supporting Information  
**Sent Date:** 5/11/2010 11:26:42 AM  
**Received Date:** 5/11/2010 11:28:19 AM  
**From:** Williams, Dana M.

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**MAY 10 2010**

Docket Nos.: 52-025  
52-026

ND-10-0923

10 CFR 51.50

U.S. Nuclear Regulatory Commission  
Document Control Desk  
Washington, DC 20555-0001

Southern Nuclear Operating Company  
Vogtle Electric Generating Plant Units 3 and 4 Combined License Application  
Post New and Significant Audit Supporting Information

Ladies and Gentlemen:

On March 28, 2008, Southern Nuclear Operating Company (SNC) submitted an application to the U.S. Nuclear Regulatory Commission (NRC) requesting combined licenses (COLs) for two AP1000 advanced passive pressurized water reactors designated Vogtle Electric Generating Plant (VEGP) Units 3 and 4. Subsequently, on September 23, 2009, SNC submitted Revision 1 to COL Application Part 3, "Applicant's Environmental Report [ER] – Combined License Stage."

During the week of May 3, 2010, the NRC conducted a two day audit for the assessment of New and Significant Information for onsite backfill areas. The New and Significant Evaluation for additional onsite backfill sources was provided to the NRC in letter ND-10-0526, Supporting Information for Environmental Report Review, dated March 12, 2010. At the conclusion of the audit, the NRC Staff requested that SNC provide specific information reviewed during the audit on the VEGP Units 3 and 4 COL docket to support the Staff's review and development of the draft Supplemental Environmental Impact Statement. As agreed to during the audit exit meeting, this submittal contains the New and Significant Evaluation for impacts of using rail to transport backfill to VEGP and the requested supporting information for the New and Significant Evaluation submitted on March 12, 2010.

This submittal contains no restricted data or national defense information requiring separation in accordance with 10 CFR 50.33(j).

The SNC licensing contact for this application is T. C. Moorer at (205) 992-5807 or W. A. Sparkman at (205) 992-5061.

Mr. B. L. (Pete) Ivey states he is a Vice President of Southern Nuclear Operating Company, is authorized to execute this oath on behalf of Southern Nuclear Operating Company and to the best of his knowledge and belief, the facts set forth in this letter are true.

Respectfully submitted,

SOUTHERN NUCLEAR OPERATING COMPANY



B. L. (Pete) Ivey

Sworn to and subscribed before me this 10<sup>th</sup> day of May, 2010

Notary Public: Nancy Louise Henderson

My commission expires: March 23, 2014

BLI/DLF/dmw

Enclosures:

1. VEGP Units 3 and 4 COL Application, Post New and Significant Audit Supporting Information (May 2010)
  - Attachment A – New and Significant Evaluation for Impacts of Using Rail to Transport Backfill to VEGP
  - Attachment B – Cooperative Safe Harbor Management Agreement for Red-cockaded Woodpeckers (*Picoides borealis*) and Their Habitat on Private Land in Georgia
  - Attachment C – Relocation Plan for Southeastern Pocket Gopher (*Geomys pinetis*)
  - Attachment D – Draft Overall NOI Areas Map
  - Attachment E – River Water Intake General Arrangement Drawing (U.S. Army Corps of engineers 404 Permit Application)
  - Attachment F – Various Environmental Site Activity Summaries

cc: Southern Nuclear Operating Company

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File AR.01.02.06

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**Southern Nuclear Operating Company**

**ND-10-0923**

**Enclosure 1**

**VEGP Units 3 and 4 COL Application**

**Post New and Significant Audit Supporting Information  
(May 2010)**

**Southern Nuclear Operating Company**

**ND-10-0923**

**Attachment A**

**New and Significant Evaluation  
for  
Impacts of Using Rail to Transport Backfill to VEGP**

**VEGP Units 3 and 4 COL Application  
Post New and Significant Audit Supporting Information  
(May 2010)**

**Southern Nuclear Operating Company**



**Form**

Guidance For New And Significant Information

ND-EV-VNP-001-F01  
Version 1.0  
Page 1 of 2

**VEGP EIS KEY INPUTS OR ASSUMPTIONS**

**Impacts of Using Rail to Transport Backfill to VEGP**

EIS Section	Input Number	Key Input or Assumption	New Information (Yes/No)	Significant (Yes/No)	Rationale
NA	PS 5	<p>Evaluate the environmental impacts of using rail to transport up to 2 million cubic yards of backfill to Plant Vogtle from three local offsite sources that are accessible by existing rail lines/spurs. The proposed plan is to provide the minimum track to efficiently offload a full unit train (75 plus cars) while allowing for the arrival of another loaded train before the departure of the empty one.</p> <p>The Plant Vogtle spur has a high point at the proposed location of the rail siding with a 1.75% downhill grade toward the plant footprint. This hump would cause delays in handling the cars, and make it less safe to offload the backfill. Therefore, SNC proposes to eliminate the hump. In order to accomplish this, NOIs 26</p>	Yes	No	<p>As concluded in the new and significant evaluation of Problem Statement 4, "using rail to transport reactor components and heavy equipment to Plant Vogtle," no major improvements are needed on the rail spur from Waynesboro (Green Cut) to VEGP (Southern Company 2008, Southern Company 2009, and SVP_SVO_00254). The spurs at the local offsite sources and the rail lines between these sources and Green Cut are currently used to transport materials from these offsite sources by rail, and therefore do not need major improvements. Use of commercial rail lines and the VEGP spur to transport backfill is new information, but is not significant.</p> <p>As described in the Problem Statement, in order to increase safety and ease of off-loading the backfill material from railcars, SNC will regrade the area of the VEGP site where the off-loading spur will be constructed.</p> <p>To incorporate the footprint of the existing and new rail lines, NOI 26 (29 acres) and NOI 27 (42 acres) will be combined and expanded by 23 acres, increasing the total disturbed acreage within the construction footprint to approximately 94 acres (GAEPD NOI-28). The combined area has been re-designated NOI 28. NOI 28 was disturbed during the construction of Units 1 and 2, and was planted in managed long-leaf pine during the 1990s. During site reconnaissance's of NOI 28 conducted in February, April and May, 2010, several specimens of the Sandhill's milkvetch (<i>Astragalus michauxii</i>; a Georgia threatened species) and Southeastern pocket gopher (<i>Thomomys umbrinus</i>; a Georgia threatened species) mounds were observed. SNC is currently working with Georgia DNR to voluntarily relocate individuals of these two species to other locations on the VEGP property. No cultural resources, wetlands, or federally listed threatened or endangered species have been identified in NOI 28. The area was not included in the red-cockaded woodpecker safe harbor agreement.</p>

**Southern Nuclear Operating Company**



**Form**

Guidance For New And Significant Information

ND-EV-VNP-001-F01  
Version 1.0  
Page 2 of 2

and 27 will be combined to regrade the rail corridor.

The habitat within the additional 23 acres needed to incorporate the footprint of the existing and new rail lines, is similar to the previously evaluated areas (NOIs 26 & 27) – it was disturbed during the initial construction, is planted in managed long-leaf pine, and contains no identified cultural resources, wetlands, or federally listed threatened or endangered species.

The impacts of construction on NOIs 26 and 27 were included in the ESP ER and evaluated in the ESP EIS. The impacts of obtaining backfill material from these sites were evaluated in the new and significant evaluation of Problem Statement 2 in February 2010. However, for land use impacts the additional 94 acres were not part of the ESP EIS and therefore are considered “New.” Combining the two NOIs, expanding them an additional 23 acres, and re-grading a small portion of the combined site are new information that has previously not been evaluated. However, the impacts are minor and similar to those evaluated in Problem Statement 2 (construction and obtaining backfill) therefore, while this information is new, it is not significant.

References:

Southern Company 2008. Plant Vogtle Railroad Track Inspection Report. December 18.

Southern Company 2009. Plant Vogtle Newberry Creek Railroad Bridge Condition Assessment and Load Rating. F. J. Crisp, PE. February 25.

Southern Company 2010. Correspondence ND-10-0526 Supporting Information for Environmental Review, Enclosure 6 (Problem Statement 2). March 12.

GAEPD NOI-28. Erosion, Sedimentation and Pollution Control Plan for NOI-28 (Railroad Borrow Area), April 19, 2010

SVP-SV0-00254. Rail Delivery Mode for AP1000 Major Components to Vogtle Units 3 and 4 (Proprietary & Confidential Document)

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Karen K. Patterson  
(Signature)

Date: 05/07/2010

Reviewed By: Matt Montz  
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Date: 05/07/2010

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Date: 05/07/2010

**Southern Nuclear Operating Company**

**ND-10-0923**

**Attachment B**

**Cooperative Safe Harbor Management Agreement  
for  
Red-cockaded Woodpeckers (*Picoides borealis*) and  
Their Habitat on Private Land in Georgia**

**VEGP Units 3 and 4 COL Application  
Post New and Significant Audit Supporting Information  
(May 2010)**

**COOPERATIVE SAFE HARBOR MANAGEMENT AGREEMENT  
(2005 UPDATED VERSION)  
NO. 28  
for  
RED-COCKADED WOODPECKERS (*Picoides borealis*) AND THEIR HABITAT  
ON PRIVATE LAND IN GEORGIA**

The Georgia Department of Natural Resources Wildlife Resources Division (WRD) (Administrator) and Georgia Power and Southern Nuclear (Cooperator) have entered into this Cooperative Agreement (Agreement) in order to maintain and enhance habitat for the red-cockaded woodpecker (RCW) on lands owned by the Cooperator.

The Cooperator agrees to undertake, for the duration of this Agreement, activities and procedures for the benefit of the RCW on the Cooperator's property delineated on the map labeled Exhibit A.

In consideration of the foregoing, the United States Fish and Wildlife Service (Service) has issued to the Administrator an Incidental Take Permit pursuant to the provisions of Section 10(a)(1)(A) of the Endangered Species Act of 1973, as amended; and the Administrator has issued to the Cooperator a Certificate of Inclusion under the Permit. Upon issuance, this Certificate authorizes the Cooperator and the Cooperator's successors or assigns to carry out any activity subject to the constraints of federal, state, and local laws on the Cooperator's property delineated in Exhibit A that will or may result in the incidental taking<sup>1</sup> of RCWs or their habitat above the established baseline responsibilities at the time this Agreement is executed, subject to the following: (1) The Cooperator agrees to maintain the baseline responsibilities/constraints specified in the Agreement; (2) The Cooperator agrees to provide for habitat enhancement activities also specified in the Agreement; (3) The Cooperator will give the Administrator 60-days notice prior to commencing any activities that may result in the taking of RCWs; and (4) The Cooperator will provide the Administrator the opportunity to translocate affected non-baseline RCWs.

A. Responsibilities/Constraints for Baseline RCW Groups

The baseline responsibilities/constraints of the Cooperator are to provide all the overstory necessary to maintain the cavity trees and the foraging area for all groups of RCWs as discovered by a baseline RCW survey of the Cooperator's property. Baseline responsibilities may include providing foraging areas for known RCW groups on neighboring lands as described in Section E and set forth in Attachment B. If no RCW groups are discovered during the baseline RCW survey and there are no known RCW groups on neighboring lands, there are no baseline responsibilities/constraints.

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<sup>1</sup> An incidental take is the "take" of any federally listed wildlife species that is incidental to, but not the purpose of, otherwise lawful activities (see definition of "take") [ESA section 10(a)(1)(B)]. For example, deliberately shooting or wounding a listed species would not be considered an incidental take, conversely, the destruction of endangered species habitat for development generally would be construed as incidental and would be authorized by an Incidental Take Permit.

**COOPERATIVE SAFE HARBOR MANAGEMENT AGREEMENT  
(2005 UPDATED VERSION)**

**NO. 28**

**for**

**RED-COCKADED WOODPECKERS (*Picoides borealis*) AND THEIR HABITAT  
ON PRIVATE LAND IN GEORGIA**

Specifically the baseline responsibilities/constraints, as derived from the Service's proposed RCW guidelines for private lands<sup>2</sup>, are to:

1. Protect all active and inactive cavities and start trees, within active baseline clusters<sup>3</sup>, from harvesting. The Administrator can provide assistance in locating and marking all cavity and start trees.
2. Provide at least 50 ft<sup>2</sup> of basal area per acre in pine trees greater than 10 inches in diameter at breast height (DBH) in active baseline clusters if the trees are currently present on the Cooperator's land.
3. Provide at least 3000 ft<sup>2</sup> of basal area in pine trees (including the trees in the cluster) greater than 10 inches DBH for foraging habitat over at least 75 acres<sup>4</sup> if the trees are currently present on the Cooperator's land.
4. Conduct timber harvesting within the active baseline clusters only between August 1 and February 28, or as otherwise approved by WRD. If there is a need to harvest timber within an active cluster outside the previously described window of time, the Cooperator should notify the WRD 30 days in advance of the desired starting harvest date. WRD will determine the stage of nesting activity within the cluster and advise Cooperator of appropriate precautions. Timber harvesting will not be permitted during nest initiation, while the female is in the process of laying eggs, while the nesting cavity contains viable eggs or young, or until fledglings are capable of sustained flight.
5. Construct no new roads within active baseline clusters.
6. Provide reasonable protection for RCWs in active baseline groups from human activities that may incidentally cause injury or death.
7. Take reasonable precautions<sup>5</sup> when conducting silvicultural or other activities within active baseline clusters to avoid injury to cavity trees and start trees.

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<sup>2</sup> The Administrator will not require the Cooperator to abide by more strict habitat requirements for baseline groups of RCWs should the Service revise the guidelines for managing RCWs on private lands. Should the habitat requirements be reduced, this agreement will be modified to reflect the new guidelines.

<sup>3</sup> Clusters are aggregates of cavity trees and start trees associated with a group of RCWs.

<sup>4</sup> Foraging habitat for each RCW group should be within 0.25 mile of the cluster, but can be up to 0.5 mile from the cluster, with no gaps between foraging stands exceeding 200 feet.

<sup>5</sup> Reasonable precautions would include, but not be limited to, directional felling away from cavity trees, logging during dry conditions to minimize soil compaction, careful log removal to avoid scraping or otherwise damaging residual trees, careful prescribed burning to minimize the risk of igniting cavity trees and avoidance of fire line plowing around cavity trees.

**COOPERATIVE SAFE HARBOR MANAGEMENT AGREEMENT  
(2005 UPDATED VERSION)**

**NO. 28**

**for**

**RED-COCKADED WOODPECKERS (*Picoides borealis*) AND THEIR HABITAT  
ON PRIVATE LAND IN GEORGIA**

There may be circumstances, through no fault of the Cooperator, where one or more active clusters, that gave rise to the Cooperator's baseline responsibilities, becomes inactive after the Cooperator signs this agreement. In such cases, the Cooperator's baseline responsibilities for the inactive site(s) will cease, subject to the following procedure: 1) If a Cooperator suspects that a baseline cluster has become inactive, the Cooperator will request that the Administrator determine if the cluster is inactive<sup>6</sup>. 2) The Administrator will advise the landowner of its determination within one year of a request by the Cooperator for a determination and furnish the Cooperator with a revised assessment of baseline responsibilities.

**B. Enhancement Activities for Baseline RCW Groups**

The Cooperator agrees to undertake activities to maintain and enhance the habitat (foraging habitat, cavity trees, potential cavity trees) of all active baseline RCW groups indicated on the map labeled Exhibit A.

Specifically the Cooperator agrees to:

1. Mark all active and inactive cavity trees and start trees. The Administrator will assist with marking of cavity trees and start trees as necessary and at the Administrator's discretion.
2. Manage active baseline clusters as follows:
  - a. Each cluster will be managed as a timber stand comprising at least 10 contiguous acres with the purpose of retaining potential cavity trees.
  - b. Overstory stocking in a cluster will be maintained between 50 and 80 ft<sup>2</sup> of basal area per acre if the trees are currently present or when they become available. However, small areas of regenerating trees that exceed 50 to 80 ft<sup>2</sup> of basal area per acre may be retained within a cluster provided RCW cavity tree entrances are not obstructed by the regenerating trees.
  - c. Cluster boundaries will be at least 200 feet from a cavity tree.
  - d. Hardwood basal area in a cluster will be maintained below 20 ft<sup>2</sup> of basal area per acre.
  - e. Twenty to 25 feet should be maintained between trees within the cluster, except where closer spacing already exists.
  - f. Midstory vegetation will be maintained in an "open" condition by prescribed burning, precommercial thinning, or other means<sup>7</sup>.
  - g. Cavity trees will be protected from fire during prescribed burning<sup>8</sup>.

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<sup>6</sup> Generally, a cluster will be determined to be inactive if it has been unoccupied by RCWs for five consecutive years.

<sup>7</sup> Prescribed burning and other activities to reduce brush and understory competition will be required no more frequently than once every three years.

<sup>8</sup> Precautions should be taken to minimize the risk of igniting cavity trees, examples include: raking litter away from the base of cavity trees, limiting burning to high moisture conditions, or back-firing away from cavity trees.



**COOPERATIVE SAFE HARBOR MANAGEMENT AGREEMENT  
(2005 UPDATED VERSION)**

**NO. 28**

**for**

**RED-COCKADED WOODPECKERS (*Picoides borealis*) AND THEIR HABITAT  
ON PRIVATE LAND IN GEORGIA**

3. Maintain at least minimum foraging habitat of 3000 ft<sup>2</sup> of basal area in 10-inch DBH and greater pine trees on at least 75 acres (including the cluster stand) for each active baseline cluster as follows:

- a. Overstory stocking for foraging habitat will be maintained between 40 and 80 ft<sup>2</sup> of basal area per acre. However, stands managed on an uneven-aged basis may have patches of regenerating trees or residual stands of older trees that contain more than 80 ft<sup>2</sup> of basal area per acre.
  - b. Hardwood basal area in foraging habitat will be maintained below 20 ft<sup>2</sup> of basal area per acre.
  - c. Midstory vegetation will be maintained in an “open” condition by prescribed burning, precommercial thinning, or other means<sup>9</sup>.
4. Allow the Administrator to translocate juvenile RCWs off the property.

**C. Other Enhancement Activities**

1. On one or more mutually agreeable areas, the Cooperator agrees to enhance habitat for RCWs by allowing or providing for one or more of the following activities:

- a. Installing artificial RCW cavities in baseline and/or recruitment clusters.
- b. Providing additional midstory control with prescribed burning.
- c. Providing additional hardwood midstory control with herbicides or machinery.
- d. Allowing translocation of juvenile RCWs to unoccupied clusters or recruitment clusters.
- e. Implementing forest management practices that enhance habitat for existing baseline groups or provide habitat for additional groups of RCWs (thinning, longer rotations, regeneration that favors pine species).
- f. Providing or allowing other activities beneficial to RCWs.

See Attachment A for specific activities that the Cooperator agrees to undertake.

2. In addition the Cooperator agrees to make a reasonable effort to ascertain if new RCW groups have been established since the baseline survey and to provide the Administrator with a reasonable opportunity to translocate non-baseline RCWs.

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<sup>9</sup> See footnote 7.

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Specifically the Cooperator agrees to:

- a. Have a supplemental RCW survey<sup>10</sup> conducted immediately (no more than 180 days but no less than 30 days) prior<sup>11</sup> to any activity which may result in the incidental taking of non-baseline RCWs and provide the Administrator with the results of that survey.
- b. Give the Administrator reasonable notice, at least 60 days<sup>12</sup> prior to commencing any activity which may result in the incidental taking of non-baseline RCWs. After the 60 day notice period, the Cooperator may proceed with the activity unless there are eggs or nestlings in the affected cluster or the Cooperator has given the Administrator an extension period to capture and relocate RCWs.
- c. Grant the Administrator access to the property to capture and translocate RCWs prior to the start<sup>13</sup> of an activity which may result in the incidental taking of non-baseline RCWs.

**D. Neighboring Landowners' Responsibilities**

The responsibilities for protecting RCWs or any other species for which a baseline has been established will not necessarily be increased for other landowners as a result of this Agreement, but will be determined based on the provisions of the Conservation Plan. The Cooperator is responsible, to the extent practical, for providing all habitat requirements for baseline RCW groups on the Cooperator's property delineated on the map labeled Exhibit A. Neighboring landowners will not be obligated to provide any habitat requirements for above-baseline RCW groups on the Cooperator's land.

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<sup>10</sup> Only the specific area that will be treated requires a supplemental RCW survey. No surveys are required within one year of the baseline survey, unless artificial recruitment clusters have been established in the area that will be affected by the activity. Supplemental surveys should be submitted to the Administrator at least 30 days before commencing an activity which may result in the incidental taking of non-baseline RCWs.

<sup>11</sup> Emergency situations that require salvage or sanitation harvesting, such as natural disasters or insect infestations, may preclude an RCW survey. The Cooperator will notify the Administrator within 10 days of discovering that an emergency harvest is necessary and will make reasonable accommodations to survey for RCWs and allow for translocations prior to the harvest.

<sup>12</sup> Emergency situations that require salvage or sanitation harvesting, such as natural disasters or insect infestations, may require that harvesting begin with less than 60 days of notice.

<sup>13</sup> All translocation activities should be accomplished during the notification period required prior to commencing an activity which may result in the incidental taking of RCWs except in emergency situations. Extensions of the 60 day time limit will be given at the discretion of the Cooperator.

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**E. Foraging Habitat for Clusters on Neighboring Lands**

The Service's proposed RCW guidelines for private lands acknowledge that although "it is not uncommon for the territory of a RCW group to 'occupy' more than one landowner's property ...it is impossible to have one set of 'rules' for all possible scenarios." Accordingly, the map labeled Exhibit A identifies known RCW groups not on the Cooperator's property for which the Cooperator agrees to provide habitat as part of the baseline responsibilities. Attachment B sets forth the Cooperator's responsibilities with respect to providing foraging habitat for such RCW groups.

**F. Successors in Interest**

Successors and assigns will incur the responsibilities and benefits of this Agreement until the date of termination unless canceled in writing as specified in the Life of the Agreement (Section L). The Cooperator will inform the Administrators in the event all, or part of, the Cooperator's property delineated on the map labeled Exhibit A is transferred to another owner.

**G. RCW Surveys**

A baseline survey will be made immediately (within 6 months) prior to the Agreement to inventory all existing RCW groups to establish baseline responsibilities. The survey will only include RCWs, unless other species are specifically requested to be surveyed by the Cooperator. The Cooperator can have additional species surveyed and incorporated into the Agreement at anytime. Surveys (baseline or supplemental) can be done by either the Administrator (or the Administrator's contractor) or a firm mutually agreeable to both the Cooperator and the Administrator at the Cooperator's discretion. If the Administrator (or the Administrator's contractor) does a survey, it will bear all costs. If a mutually agreeable firm does a survey, the Cooperator will bear all costs. The results of the baseline survey done by a mutually agreeable firm shall be the property of the Cooperator and shall be used only at the Cooperator's discretion. However, no agreement will be signed until the baseline survey is reviewed and approved by the Administrator. Supplemental surveys as specified in "Other Voluntary Enhancement Activities" (Section C) that are required prior to activities that may result in an incidental take must be submitted to the Administrator at least 60 days prior to commencing such activities. Supplemental RCW surveys conducted by the Administrator (or the Administrator's contractor) must be completed within 60 days of a written request for a supplemental RCW survey by the Cooperator. Supplemental surveys are not required for any activity for one year after the baseline survey, unless artificial recruitment clusters have been established in the area that will be affected by the activity.

**H. Geographic Scope**

This Agreement will extend only to those lands of the Cooperator delineated on the map labeled Exhibit A.

# COOPERATIVE SAFE HARBOR MANAGEMENT AGREEMENT

## (2005 UPDATED VERSION)

### NO. 28

#### for

## RED-COCKADED WOODPECKERS (*Picoides borealis*) AND THEIR HABITAT ON PRIVATE LAND IN GEORGIA

### I. Access to the Property

The Cooperator shall grant access to the Administrator at least annually to verify that the conditions of the Agreement are being upheld, to assess the condition of the baseline groups and any new groups of RCWs that have been discovered, and to measure, monitor, and tag/band individual RCWs as appropriate. The Cooperator shall also grant access to the Administrator at any time the Administrator can show reason to believe that an RCW is in jeopardy and may need to be captured and/or translocated for its safety. The Administrator shall give the Cooperator reasonable notice (generally 30 days) of these visits and may be accompanied by the Cooperator or an agent of the Cooperator. The scope of the visit will be agreed to in advance.

The Administrator agrees under current Georgia law the Cooperator is not responsible for the natural conditions of rural property but must advise the Administrator's agents of any hazardous conditions known to the Cooperator at the time.

### J. Notification of Activities

The Cooperator will provide the Administrator with reasonable notice of any activities that may result in the incidental take of RCWs. Activities that may result in an "incidental take" include: any timber harvesting within a cluster, any timber harvesting within foraging habitat that reduces basal area in pine trees greater than 10 inches DBH below 3000 ft<sup>2</sup>, application of forest chemicals within a cluster, new road construction within or near a cluster, and any new building construction within or near a cluster. All other silvicultural activities should not affect the RCWs and will not require notification.

In addition, the Cooperator will complete and submit a brief annual report of RCW related activities to the Administrator on a form provided by the Administrator that summarizes the activities that may result in the incidental take of RCWs and summarizes compliance with baseline requirements.

### K. Shifting Baseline Groups

A baseline group can be replaced in the baseline responsibilities. If the Cooperator and the Administrator agree, a new in-kind group<sup>14</sup> can be substituted for a baseline group to satisfy the Cooperator's baseline responsibilities. A map showing the location of both the new and old clusters and foraging habitats will be made by the Cooperator and added to the Agreement.

### L. Financial Assistance

If funds become available for managing RCWs on private land, the Administrator shall seek to give the Cooperator priority access to those funds to help offset the costs of undertaking enhancement activities. Any financial assistance given to the Cooperator must be used for current or future

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<sup>14</sup> A new group must be of a similar nature to the group it is replacing, i.e. a breeding pair group must be replaced with a breeding pair group.

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**for**

**RED-COCKADED WOODPECKERS (*Picoides borealis*) AND THEIR HABITAT  
ON PRIVATE LAND IN GEORGIA**

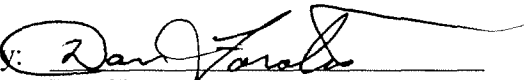
activities and not applied to past activities. Activities including, but not limited to, midstory control, precommercial thinning, and prescribed burning should be considered for financial assistance.

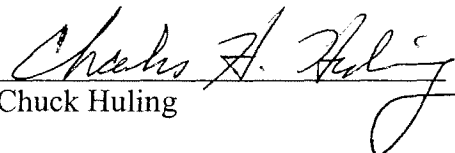
**M. Life of Agreement**

The Cooperator agrees to conduct the activities and manage the property as indicated in Section B for a period of at least 50 years (the time frame of the agreement is variable subject to mutual agreement by the Administrator and the Cooperator) from the date of signing by both parties. The Cooperator, or the Cooperator's successors or assigns, may terminate the Agreement at any time with 60 days written notification to the Administrator. The Administrator may terminate the Agreement with 60 days written notification to the Cooperator, or the Cooperator's successors or assigns, if it deems adequate progress has not been made in meeting baseline responsibilities and accomplishing the voluntary maintenance and enhancement activities in the Agreement. In the event that the Agreement is terminated, the Cooperator or the Cooperator's successors or assigns shall retain the Incidental Take Permit for non-baseline RCW clusters established during the time the Agreement was in force<sup>15</sup>, provided that the Administrators are permitted to relocate RCWs as provided for in Section C. This Agreement can be renewed, extended, or modified at any time subject to both the Cooperator's and the Administrator's approval.

Georgia Department of Natural Resources

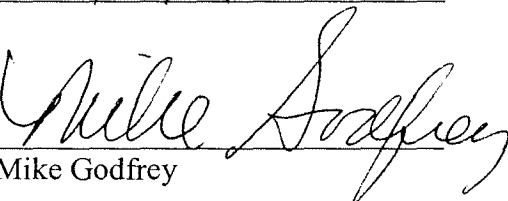
Georgia Power and Southern Nuclear , Cooperator

By:   
Dan Forster

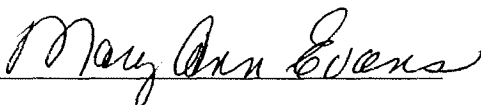
By:   
Chuck Huling

Date: Jan 29, 2007

Date: 6/27/07

By:   
Mike Godfrey

Date: 6/27/07

Attest: 

<sup>15</sup> Precedent, established in similar agreements, generally limits the Cooperator's rights to an Incidental Take Permit to 99 years from the signing of the Agreement.

COOPERATIVE SAFE HARBOR MANAGEMENT AGREEMENT  
(2005 UPDATED VERSION)

NO. 28

for

RED-COCKADED WOODPECKERS (*Picoides borealis*) AND THEIR HABITAT  
ON PRIVATE LAND IN GEORGIA

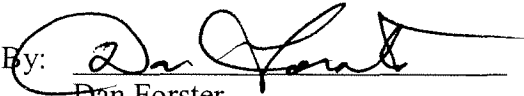
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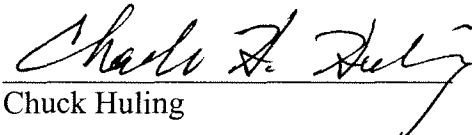
M. Life of Agreement

The Cooperator agrees to conduct the activities and manage the property as indicated in Section B for a period of x years (the time frame of the agreement is variable subject to mutual agreement by the Administrator and the Cooperator) from the date of signing by both parties. The Cooperator, or the Cooperator's successors or assigns, may terminate the Agreement at any time with 60 days written notification to the Administrator. The Administrator may terminate the Agreement with 60 days written notification to the Cooperator, or the Cooperator's successors or assigns, if it deems adequate progress has not been made in meeting baseline responsibilities and accomplishing the voluntary maintenance and enhancement activities in the Agreement. In the event that the Agreement is terminated, the Cooperator or the Cooperator's successors or assigns shall retain the Incidental Take Permit for non-baseline RCW clusters established during the time the Agreement was in force<sup>15</sup>, provided that the Administrators are permitted to relocate RCWs as provided for in Section C. This Agreement can be renewed, extended, or modified at any time subject to both the Cooperator's and the Administrator's approval.

Georgia Department of Natural Resources

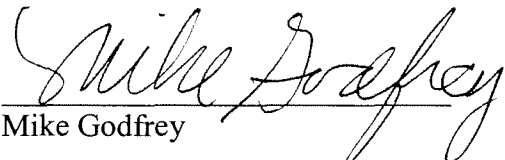
Georgia Power and Southern Nuclear , Cooperator

By:   
Dan Forster

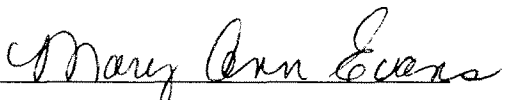
By:   
Chuck Huling

Date: June 27, 2007

Date: June 27, 2007

By:   
Mike Godfrey

Date: June 27, 2007

Attest: 

<sup>15</sup> Precedent, established in similar agreements, generally limits the Cooperator's rights to an Incidental Take Permit to 99 years from the signing of the Agreement.

**COOPERATIVE SAFE HARBOR MANAGEMENT AGREEMENT  
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RED-COCKADED WOODPECKERS (*Picoides borealis*) AND THEIR HABITAT  
ON PRIVATE LAND IN GEORGIA**

Exhibit A: Map of enrolled property

Attachment A: Red-cockaded woodpecker (RCW) Enhancement Activities<sup>16</sup>

Attachment B: Baseline Responsibilities for Foraging Habitat for Clusters on Neighboring Lands

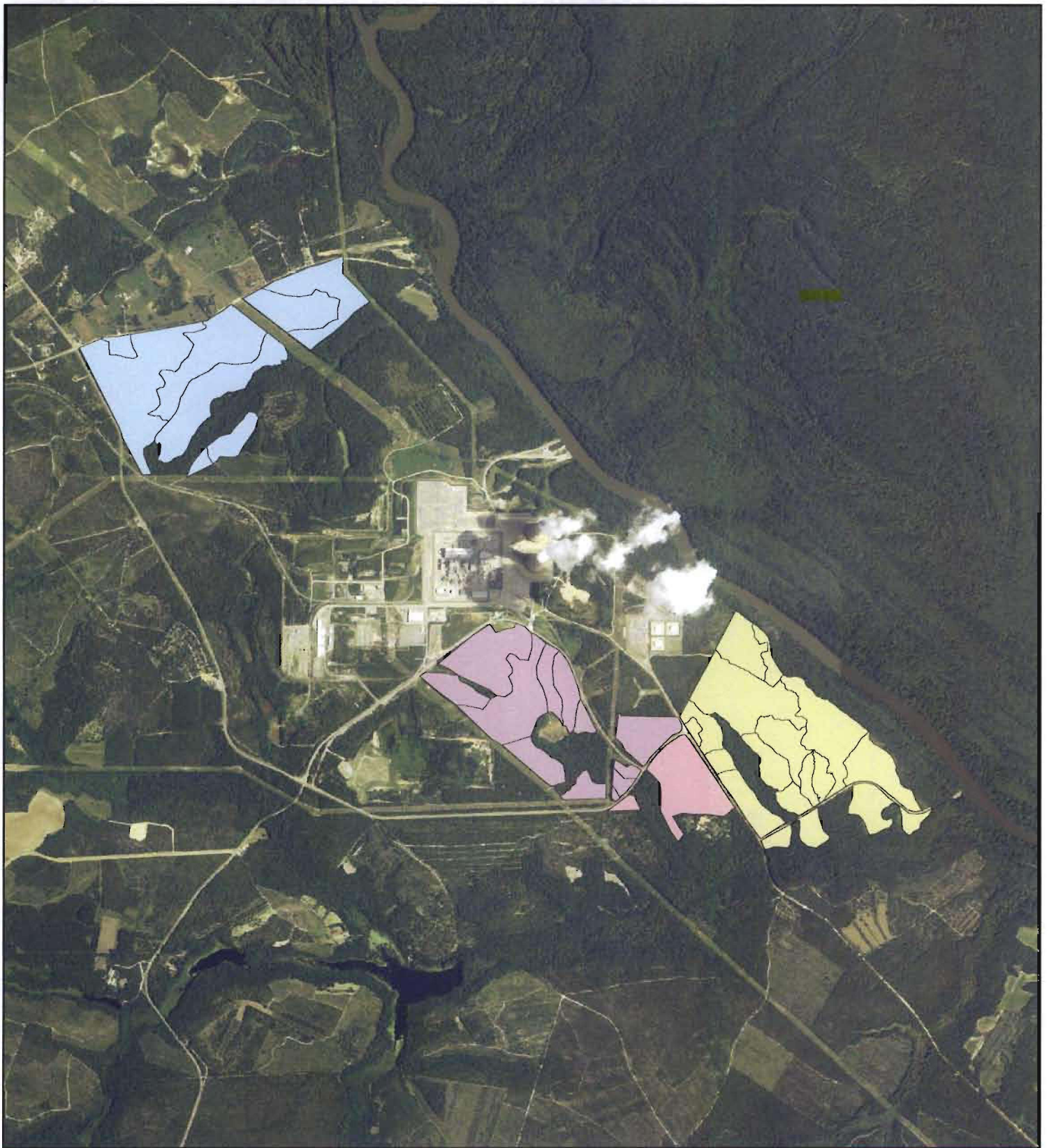
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<sup>16</sup>Some of these activities require a permit from the Service. The Cooperator should consult with the Administrator to determine which activities need a permit.





**COOPERATIVE SAFE HARBOR MANAGEMENT AGREEMENT  
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NO. 28  
For  
RED-COCKADED WOODPECKERS (*Picoides borealis*) AND THEIR HABITAT  
ON PRIVATE LAND IN GEORGIA**

Exhibit A  
Map[s] of Enrolled Property





## Plant Vogtle Safe Harbor Agreement

- |   |   |
|---|---|
|  Compartment 1 |  Compartment 6 |
|  Compartment 5 |  Boat Ramp     |

0 3,000 6,000 Feet



**GEORGIA  
POWER**  
A SOUTHERN COMPANY


Date: November 27, 2006  
Scale: 1:36,000  
Created by: GL Pearson

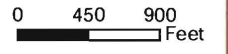
County: Burke





Plant Vogtle  
Safe Harbor Agreement  
Compartment 1  
County: *Burke*

 Stand Boundaries

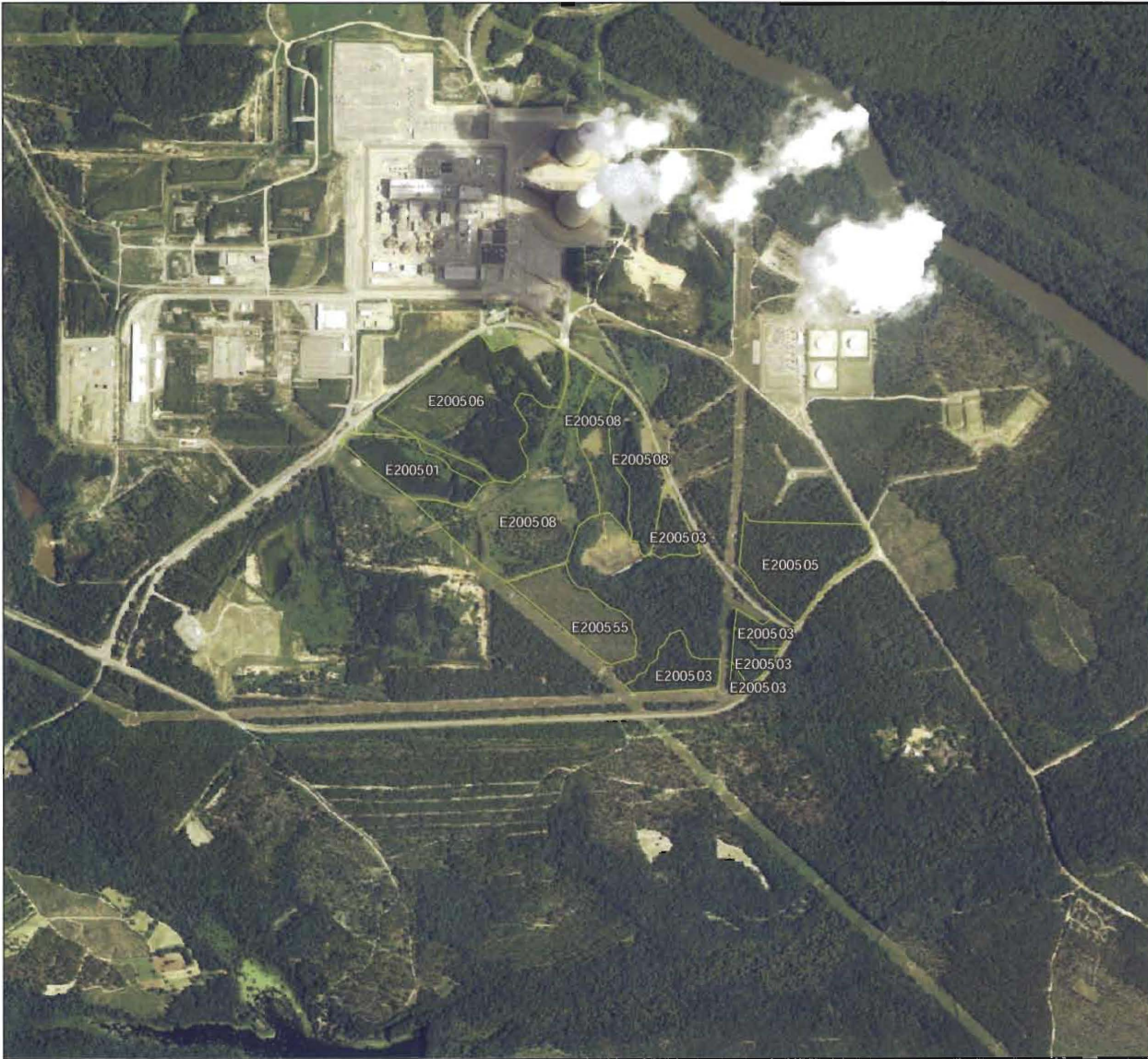


Date: November 28, 2006  
Scale: 1:10,800  
Created by: GL Pearson




**GEORGIA  
POWER**  
A SOUTHERN COMPANY





Plant Vogtle  
Safe Harbor Agreement  
Compartment 5  
County: *Burke*

 Stand Boundaries

0 750 1,500  
Feet

Date: November 28, 2006  
Scale: 1:18,000  
Created by: G.L. Pearson



**GEORGIA POWER**  
A SOUTHERN COMPANY



Plant Vogtle  
Safe Harbor Agreement  
Compartment 6  
County: *Burke*

 Stand Boundaries

0 250 500  
Feet

Date: November 28, 2006  
Scale: 1:6,000  
Created by: GL Pearson



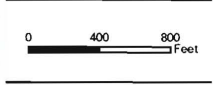
**GEORGIA POWER**  
A SOUTHERN COMPANY





Plant Vogtle Safe Harbor Agreement  
Boat Ramp  
County: Burke

Stand Boundaries



Date: March 2, 2007  
Scale: 1:9000  
Created by: GL Pearson



**COOPERATIVE SAFE HARBOR MANAGEMENT AGREEMENT  
(2005 UPDATED VERSION)  
NO. 28  
For  
RED-COCKADED WOODPECKERS (*Picoides borealis*) AND THEIR HABITAT  
ON PRIVATE LAND IN GEORGIA**

Attachment A  
Red-cockaded woodpecker (RCW) Enhancement Activities

**RED-COCKADED WOODPECKER  
SAFE HARBOR EVALUATION FORM  
for  
GEORGIA LANDOWNERS**

**I. Background Information**

A. Date of Evaluation: 2/16/2006

B. Tract Name: Plant Vogtle, Compartment 1, E200101

C. Tract Location

    1. County: Burke

    2. Tax Map #: \_\_\_\_\_

    3. Latitude: \_\_\_\_\_ Longitude: \_\_\_\_\_

D. Tract Owner Name: Georgia Power Co.

    Address: 241 Ralph McGill Blvd.  
Atlanta, GA 30308

    Telephone #: 404-799-2142 Fax #: 404-799-2141

E. Contact Person: Georgia Pearson

    Check one: Owner  Manager  Employee

    Address: 5131 Maner Rd  
Smyrna, GA 30080

    Telephone #: 404-799-2142

\_\_\_\_\_

**II. Tract Information**

A. Total tract acreage: 96 acres of 38 year old longleaf

B. Number of active clusters for which landowner has 100% cavity tree responsibility: 0

C. Number of active clusters for which landowner has partial cavity tree responsibility: 0

D. Number of active clusters for which landowner has 100% foraging habitat responsibility: 0

    Total Acreage Involved: 0

E. Number of active clusters for which landowner has partial foraging habitat responsibility: 0

    Total Acreage Involved: 0

F. Total number of acres enrolled in Safe Harbor: 96

G. Total basal area (10"DBH and larger stems) provided for RCWs: 0

H. Individual(s) who conducted RCW cavity tree surveys:

Georgia Pearson Phone # of primary contact: 404-799-2142

Bret Estep

Carlton Chambers

Jim Candler

I. Individual(s) who calculated foraging habitat analysis:

Georgia Pearson Phone # of primary contact: 404-799-2142

J. Based on the total tract size, current number of active clusters and the associated cluster and foraging habitat, current and/or expected future forest conditions, and the landowner's long-term land management objectives, are there opportunities to increase the RCW population on the tract?

Yes x No \_\_\_\_\_

If yes, and the tract is large enough to support at least 10 active clusters, is the landowner interested in considering serving as a mitigation bank?

Yes x No \_\_\_\_\_

**III. Non-Tract Information**

(Georgia DNR and/or USFWS will supply the majority of this information.)

A. Number of active clusters, not located on landowner's tract, for which landowner has partial foraging habitat responsibility: 0 Total acreage involved: 0

B. List all known RCW populations by: 1) tract/owner name; 2) # of active clusters (1 or more); and, 3) distance (to the closest mile), within 10 miles of landowner's property.

Population	_____	Size	_____	Distance	_____
Population	_____	Size	_____	Distance	_____
Population	_____	Size	_____	Distance	_____
Population	_____	Size	_____	Distance	_____
Population	_____	Size	_____	Distance	_____
Population	_____	Size	_____	Distance	_____

**IV. Enhancement Activities for Baseline RCW Groups**

A. How will hardwood basal area and midstory vegetation be controlled in RCW clusters? Check all that apply:

- \_\_\_\_\_ 1. Prescribed burning @ \_\_\_\_\_ to \_\_\_\_\_ year intervals
- \_\_\_\_\_ 2. Chemical treatments. List chemicals: \_\_\_\_\_
- \_\_\_\_\_ 3. Mechanical treatments. List methods: \_\_\_\_\_

B. How will hardwood basal area and midstory vegetation be controlled in RCW foraging habitat? Check all that apply:

- \_\_\_\_\_ 1. Prescribed burning @ \_\_\_\_\_ to \_\_\_\_\_ year intervals
- \_\_\_\_\_ 2. Chemical treatments. List chemicals: \_\_\_\_\_
- \_\_\_\_\_ 3. Mechanical treatments. List methods: \_\_\_\_\_



C. Additional baseline habitat enhancement activities:

\_\_\_ 1. Install artificial cavities in baseline clusters: \_\_\_ cavities in \_\_\_ clusters

**V. Other Enhancement Activities**

A. What additional management/conservation activities does landowner agree to conduct? Check all that apply:

\_\_\_ 1. Install artificial cavities in recruitment clusters  
\_\_\_ cavities in \_\_\_ clusters (at least 4 cavities must be installed in each recruitment cluster)

x 2. Control hardwood midstory outside currently designated RCW habitat

96 acres will be treated every 3 years

96 acres will be treated as needed

treatment will be by (check all that apply):

x prescribed fire x chemical \_\_\_ mechanical

x 3. Implement forest management practices that benefit RCWs, including:

\_\_\_ a. Increase rotation age

From \_\_\_ years to \_\_\_ years

\_\_\_ b. Restore stands to the right tree species (typically longleaf pine)

\_\_\_ acres will be restored

x c. Thin overstocked stands (90 basal area/acre and greater)

96 acres will be thinned

x 4. Provide opportunity for GADNR, USFWS, or third party to translocate juveniles from the tract to other properties (private, state, or federal). *Determinations must first be made by Georgia DNR and USFWS that this is a viable option for the landowner's RCW population; i.e., removal of juvenile RCWs will not result in adverse impacts to the population.*

**VI. Net Conservation Benefits to RCWs Expected as a Result of this Cooperative Agreement**

(Note: this section to be completed by Administrator)

The following net conservation benefits are expected as a result of implementing this Safe Harbor Cooperative Agreement and the associated baseline and other enhancement activities outlined above; benefits to be determined by Georgia DNR and USFWS. (check all that apply)

\_\_\_ A. Reduction of habitat fragmentation rates

\_\_\_ B. Maintenance of occupied habitat

x C. Restoration and/or enhancement of unoccupied habitat

\_\_\_ D. Increase in habitat connectivity

\_\_\_ E. Maintenance of current population size

\_\_\_ F. Increase of current population size

\_\_\_ G. Improvement of species population distribution

- \_\_\_\_\_ H. Reduction of the effects of catastrophic events
- \_\_\_\_\_ I. Increase in size, or rate of growth, of other populations (support or recovery)
- \_\_\_\_\_ J. Contribution to research knowledge, management techniques, and/or conservation strategies
- x \_\_\_\_\_ K. Other Maintain Possible Suitable Foraging Habitat

**VII. Implementation Plan**

Specify the time frames within which the landowner agrees to accomplish the baseline and other enhancement activities agreed upon in this evaluation form and in Appendix A and B of the Safe Harbor Agreement. For each activity, list the agreed upon dates to accomplish each action.

A. Baseline Activities

1. Activity	_____	Completion Date	_____
2. Activity	_____	Completion Date	_____
3. Activity	_____	Completion Date	_____
4. Activity	_____	Completion Date	_____
5. Activity	_____	Completion Date	_____
6. Activity	_____	Completion Date	_____
7. Activity	_____	Completion Date	_____
8. Activity	_____	Completion Date	_____
9. Activity	_____	Completion Date	_____
10. Activity	_____	Completion Date	_____

B. Enhancement Activities

1. Activity	<u>Controlled burning</u>	Completion Date	<u>Every 3 years</u>
2. Activity	<u>Hardwood control</u>	Completion Date	<u>As needed</u>
3. Activity	<u>Thinning overstocked stands</u>	Completion Date	<u>As needed</u>
4. Activity	_____	Completion Date	_____
5. Activity	_____	Completion Date	_____
6. Activity	_____	Completion Date	_____
7. Activity	_____	Completion Date	_____
8. Activity	_____	Completion Date	_____
9. Activity	_____	Completion Date	_____
10. Activity	_____	Completion Date	_____

Georgia Department of Natural Resources \_\_\_\_\_, Cooperator

: \_\_\_\_\_

By: \_\_\_\_\_

Date: \_\_\_\_\_

Date: \_\_\_\_\_

**RED-COCKADED WOODPECKER  
SAFE HARBOR EVALUATION FORM  
for  
GEORGIA LANDOWNERS**

**I. Background Information**

A. Date of Evaluation: 2/16/2006

B. Tract Name: Plant Vogtle, Compartment 1, E200102

C. Tract Location

    1. County: Burke

    2. Tax Map #: \_\_\_\_\_

    3. Latitude: \_\_\_\_\_ Longitude: \_\_\_\_\_

D. Tract Owner Name: Georgia Power Co.

    Address: 241 Ralph McGill Blvd.  
Atlanta, GA 30308

    Telephone #: 404-799-2142 Fax #: 404-799-2141

E. Contact Person: Georgia Pearson

    Check one: Owner  Manager  Employee

    Address: 5131 Maner Rd  
Smyrna, GA 30080

    Telephone #: 404-799-2142

\_\_\_\_\_

**II. Tract Information**

A. Total tract acreage: 43 acres of 47 year old longleaf pine

B. Number of active clusters for which landowner has 100% cavity tree responsibility: 0

C. Number of active clusters for which landowner has partial cavity tree responsibility: 0

D. Number of active clusters for which landowner has 100% foraging habitat responsibility: 0

    Total Acreage Involved: 0

E. Number of active clusters for which landowner has partial foraging habitat responsibility: 0

    Total Acreage Involved: 0

F. Total number of acres enrolled in Safe Harbor: 43

G. Total basal area (10"DBH and larger stems) provided for RCWs: 0

H. Individual(s) who conducted RCW cavity tree surveys:

Georgia Pearson Phone # of primary contact: 404-799-2142

Bret Estep

Carlton Chambers

Jim Candler

I. Individual(s) who calculated foraging habitat analysis:

Georgia Pearson Phone # of primary contact: 404-799-2142

J. Based on the total tract size, current number of active clusters and the associated cluster and foraging habitat, current and/or expected future forest conditions, and the landowner's long-term land management objectives, are there opportunities to increase the RCW population on the tract?

Yes x No \_\_\_\_\_

If yes, and the tract is large enough to support at least 10 active clusters, is the landowner interested in considering serving as a mitigation bank?

Yes x No \_\_\_\_\_

**III. Non-Tract Information**

(Georgia DNR and/or USFWS will supply the majority of this information.)

A. Number of active clusters, not located on landowner's tract, for which landowner has partial foraging habitat responsibility: 0 Total acreage involved: 0

B. List all known RCW populations by: 1) tract/owner name; 2) # of active clusters (1 or more); and, 3) distance (to the closest mile), within 10 miles of landowner's property.

Population	_____	Size	_____	Distance	_____
Population	_____	Size	_____	Distance	_____
Population	_____	Size	_____	Distance	_____
Population	_____	Size	_____	Distance	_____
Population	_____	Size	_____	Distance	_____
Population	_____	Size	_____	Distance	_____

**IV. Enhancement Activities for Baseline RCW Groups**

A. How will hardwood basal area and midstory vegetation be controlled in RCW clusters? Check all that apply:

- \_\_\_\_\_ 1. Prescribed burning @ \_\_\_\_\_ to \_\_\_\_\_ year intervals
- \_\_\_\_\_ 2. Chemical treatments. List chemicals: \_\_\_\_\_
- \_\_\_\_\_ 3. Mechanical treatments. List methods: \_\_\_\_\_

B. How will hardwood basal area and midstory vegetation be controlled in RCW foraging habitat? Check all that apply:

- \_\_\_\_\_ 1. Prescribed burning @ \_\_\_\_\_ to \_\_\_\_\_ year intervals
- \_\_\_\_\_ 2. Chemical treatments. List chemicals: \_\_\_\_\_
- \_\_\_\_\_ 3. Mechanical treatments. List methods: \_\_\_\_\_

C. Additional baseline habitat enhancement activities:

\_\_\_ 1. Install artificial cavities in baseline clusters: \_\_\_ cavities in \_\_\_ clusters

**V. Other Enhancement Activities**

A. What additional management/conservation activities does landowner agree to conduct? Check all that apply:

\_\_\_ 1. Install artificial cavities in recruitment clusters  
\_\_\_ cavities in \_\_\_ clusters (at least 4 cavities must be installed in each recruitment cluster)

x 2. Control hardwood midstory outside currently designated RCW habitat

43 acres will be treated every 3 years

43 acres will be treated as needed

treatment will be by (check all that apply):

x prescribed fire x chemical \_\_\_ mechanical

x 3. Implement forest management practices that benefit RCWs, including:

\_\_\_ a. Increase rotation age

From \_\_\_ years to \_\_\_ years

\_\_\_ b. Restore stands to the right tree species (typically longleaf pine)

\_\_\_ acres will be restored

x c. Thin overstocked stands (90 basal area/acre and greater)

43 acres will be thinned

x 4. Provide opportunity for GADNR, USFWS, or third party to translocate juveniles from the tract to other properties (private, state, or federal). *Determinations must first be made by Georgia DNR and USFWS that this is a viable option for the landowner's RCW population; i.e., removal of juvenile RCWs will not result in adverse impacts to the population.*

**VI. Net Conservation Benefits to RCWs Expected as a Result of this Cooperative Agreement**

(Note: this section to be completed by Administrator)

The following net conservation benefits are expected as a result of implementing this Safe Harbor Cooperative Agreement and the associated baseline and other enhancement activities outlined above; benefits to be determined by Georgia DNR and USFWS. (check all that apply)

\_\_\_ A. Reduction of habitat fragmentation rates

\_\_\_ B. Maintenance of occupied habitat

x C. Restoration and/or enhancement of unoccupied habitat

\_\_\_ D. Increase in habitat connectivity

\_\_\_ E. Maintenance of current population size

\_\_\_ F. Increase of current population size

\_\_\_ G. Improvement of species population distribution

- \_\_\_\_\_ H. Reduction of the effects of catastrophic events
- \_\_\_\_\_ I. Increase in size, or rate of growth, of other populations (support or recovery)
- \_\_\_\_\_ J. Contribution to research knowledge, management techniques, and/or conservation strategies
- x \_\_\_\_\_ K. Other Maintain Possible Suitable Foraging Habitat

**VII. Implementation Plan**

Specify the time frames within which the landowner agrees to accomplish the baseline and other enhancement activities agreed upon in this evaluation form and in Appendix A and B of the Safe Harbor Agreement. For each activity, list the agreed upon dates to accomplish each action.

A. Baseline Activities

1. Activity	_____	Completion Date	_____
2. Activity	_____	Completion Date	_____
3. Activity	_____	Completion Date	_____
4. Activity	_____	Completion Date	_____
5. Activity	_____	Completion Date	_____
6. Activity	_____	Completion Date	_____
7. Activity	_____	Completion Date	_____
8. Activity	_____	Completion Date	_____
9. Activity	_____	Completion Date	_____
10. Activity	_____	Completion Date	_____

B. Enhancement Activities

1. Activity	<u>Controlled burning</u>	Completion Date	<u>Every 3 years</u>
2. Activity	<u>Hardwood control</u>	Completion Date	<u>As needed</u>
3. Activity	<u>Thinning overstocked stands</u>	Completion Date	<u>As needed</u>
4. Activity	_____	Completion Date	_____
5. Activity	_____	Completion Date	_____
6. Activity	_____	Completion Date	_____
7. Activity	_____	Completion Date	_____
8. Activity	_____	Completion Date	_____
9. Activity	_____	Completion Date	_____
10. Activity	_____	Completion Date	_____

Georgia Department of Natural Resources \_\_\_\_\_, Cooperator

By: \_\_\_\_\_

By: \_\_\_\_\_

Date: \_\_\_\_\_

Date: \_\_\_\_\_

**RED-COCKADED WOODPECKER  
SAFE HARBOR EVALUATION FORM  
for  
GEORGIA LANDOWNERS**

**I. Background Information**

A. Date of Evaluation: 2/16/2006

B. Tract Name: Plant Vogtle, Compartment 1, E200103

C. Tract Location

    1. County: Burke

    2. Tax Map #: \_\_\_\_\_

    3. Latitude: \_\_\_\_\_ Longitude: \_\_\_\_\_

D. Tract Owner Name: Georgia Power Co.

    Address: 241 Ralph McGill Blvd.  
Atlanta, GA 30308

    Telephone #: 404-799-2142 Fax #: 404-799-2141

E. Contact Person: Georgia Pearson

    Check one: Owner  Manager  Employee

    Address: 5131 Maner Rd  
Smyrna, GA 30080

    Telephone #: 404-799-2142

\_\_\_\_\_

**II. Tract Information**

A. Total tract acreage: 15 acres of 4 year old slash pine

B. Number of active clusters for which landowner has 100% cavity tree responsibility: 0

C. Number of active clusters for which landowner has partial cavity tree responsibility: 0

D. Number of active clusters for which landowner has 100% foraging habitat responsibility: 0

    Total Acreage Involved: 0

E. Number of active clusters for which landowner has partial foraging habitat responsibility: 0

    Total Acreage Involved: 0

F. Total number of acres enrolled in Safe Harbor: 15

G. Total basal area (10"DBH and larger stems) provided for RCWs: 0

H. Individual(s) who conducted RCW cavity tree surveys:

Georgia Pearson Phone # of primary contact: 404-799-2142

Bret Estep

Carlton Chambers

Jim Candler

I. Individual(s) who calculated foraging habitat analysis:

Georgia Pearson Phone # of primary contact: 404-799-2142

J. Based on the total tract size, current number of active clusters and the associated cluster and foraging habitat, current and/or expected future forest conditions, and the landowner's long-term land management objectives, are there opportunities to increase the RCW population on the tract?

Yes x No \_\_\_\_\_

If yes, and the tract is large enough to support at least 10 active clusters, is the landowner interested in considering serving as a mitigation bank?

Yes x No \_\_\_\_\_

**III. Non-Tract Information**

(Georgia DNR and/or USFWS will supply the majority of this information.)

A. Number of active clusters, not located on landowner's tract, for which landowner has partial foraging habitat responsibility: 0 Total acreage involved: 0

B. List all known RCW populations by: 1) tract/owner name; 2) # of active clusters (1 or more); and, 3) distance (to the closest mile), within 10 miles of landowner's property.

Population	_____	Size	_____	Distance	_____
Population	_____	Size	_____	Distance	_____
Population	_____	Size	_____	Distance	_____
Population	_____	Size	_____	Distance	_____
Population	_____	Size	_____	Distance	_____
Population	_____	Size	_____	Distance	_____

**IV. Enhancement Activities for Baseline RCW Groups**

A. How will hardwood basal area and midstory vegetation be controlled in RCW clusters? Check all that apply:

- \_\_\_\_\_ 1. Prescribed burning @ \_\_\_\_\_ to \_\_\_\_\_ year intervals
- \_\_\_\_\_ 2. Chemical treatments. List chemicals: \_\_\_\_\_
- \_\_\_\_\_ 3. Mechanical treatments. List methods: \_\_\_\_\_

B. How will hardwood basal area and midstory vegetation be controlled in RCW foraging habitat? Check all that apply:

- \_\_\_\_\_ 1. Prescribed burning @ \_\_\_\_\_ to \_\_\_\_\_ year intervals
- \_\_\_\_\_ 2. Chemical treatments. List chemicals: \_\_\_\_\_
- \_\_\_\_\_ 3. Mechanical treatments. List methods: \_\_\_\_\_



C. Additional baseline habitat enhancement activities:

\_\_\_ 1. Install artificial cavities in baseline clusters: \_\_\_ cavities in \_\_\_ clusters

**V. Other Enhancement Activities**

A. What additional management/conservation activities does landowner agree to conduct? Check all that apply:

\_\_\_ 1. Install artificial cavities in recruitment clusters  
\_\_\_ cavities in \_\_\_ clusters (at least 4 cavities must be installed in each recruitment cluster)

x 2. Control hardwood midstory outside currently designated RCW habitat

15 acres will be treated every 3 years

15 acres will be treated as needed

treatment will be by (check all that apply):

x prescribed fire x chemical \_\_\_ mechanical

x 3. Implement forest management practices that benefit RCWs, including:

\_\_\_ a. Increase rotation age

From \_\_\_ years to \_\_\_ years

\_\_\_ b. Restore stands to the right tree species (typically longleaf pine)

\_\_\_ acres will be restored

x c. Thin overstocked stands (90 basal area/acre and greater)

15 acres will be thinned

x 4. Provide opportunity for GADNR, USFWS, or third party to translocate juveniles from the tract to other properties (private, state, or federal). *Determinations must first be made by Georgia DNR and USFWS that this is a viable option for the landowner's RCW population; i.e., removal of juvenile RCWs will not result in adverse impacts to the population.*

**VI. Net Conservation Benefits to RCWs Expected as a Result of this Cooperative Agreement**

(Note: this section to be completed by Administrator)

The following net conservation benefits are expected as a result of implementing this Safe Harbor Cooperative Agreement and the associated baseline and other enhancement activities outlined above; benefits to be determined by Georgia DNR and USFWS. (check all that apply)

\_\_\_ A. Reduction of habitat fragmentation rates

\_\_\_ B. Maintenance of occupied habitat

x C. Restoration and/or enhancement of unoccupied habitat

\_\_\_ D. Increase in habitat connectivity

\_\_\_ E. Maintenance of current population size

\_\_\_ F. Increase of current population size

\_\_\_ G. Improvement of species population distribution

- \_\_\_\_\_ H. Reduction of the effects of catastrophic events
- \_\_\_\_\_ I. Increase in size, or rate of growth, of other populations (support or recovery)
- \_\_\_\_\_ J. Contribution to research knowledge, management techniques, and/or conservation strategies
- x \_\_\_\_\_ K. Other Maintain Possible Suitable Foraging Habitat

**VII. Implementation Plan**

Specify the time frames within which the landowner agrees to accomplish the baseline and other enhancement activities agreed upon in this evaluation form and in Appendix A and B of the Safe Harbor Agreement. For each activity, list the agreed upon dates to accomplish each action.

A. Baseline Activities

1. Activity	_____	Completion Date	_____
2. Activity	_____	Completion Date	_____
3. Activity	_____	Completion Date	_____
4. Activity	_____	Completion Date	_____
5. Activity	_____	Completion Date	_____
6. Activity	_____	Completion Date	_____
7. Activity	_____	Completion Date	_____
8. Activity	_____	Completion Date	_____
9. Activity	_____	Completion Date	_____
10. Activity	_____	Completion Date	_____

B. Enhancement Activities

1. Activity	<u>Controlled burning</u>	Completion Date	<u>Every 3 years</u>
2. Activity	<u>Hardwood control</u>	Completion Date	<u>As needed</u>
3. Activity	<u>Thinning overstocked stands</u>	Completion Date	<u>As needed</u>
4. Activity	_____	Completion Date	_____
5. Activity	_____	Completion Date	_____
6. Activity	_____	Completion Date	_____
7. Activity	_____	Completion Date	_____
8. Activity	_____	Completion Date	_____
9. Activity	_____	Completion Date	_____
10. Activity	_____	Completion Date	_____

Georgia Department of Natural Resources \_\_\_\_\_, Cooperator

By: \_\_\_\_\_

By: \_\_\_\_\_

Date: \_\_\_\_\_

Date: \_\_\_\_\_

**RED-COCKADED WOODPECKER  
SAFE HARBOR EVALUATION FORM  
for  
GEORGIA LANDOWNERS**

**I. Background Information**

A. Date of Evaluation: 2/16/2006

B. Tract Name: Plant Vogtle, Compartment 1, E200104

C. Tract Location

    1. County: Burke

    2. Tax Map #: \_\_\_\_\_

    3. Latitude: \_\_\_\_\_ Longitude: \_\_\_\_\_

D. Tract Owner Name: Georgia Power Co.

    Address: 241 Ralph McGill Blvd.  
Atlanta, GA 30308

    Telephone #: 404-799-2142 Fax #: 404-799-2141

E. Contact Person: Georgia Pearson

    Check one: Owner  Manager  Employee

    Address: 5131 Maner Rd  
Smyrna, GA 30080

    Telephone #: 404-799-2142

\_\_\_\_\_

**II. Tract Information**

A. Total tract acreage: 4 acres of 7 year old longleaf pine

B. Number of active clusters for which landowner has 100% cavity tree responsibility: 0

C. Number of active clusters for which landowner has partial cavity tree responsibility: 0

D. Number of active clusters for which landowner has 100% foraging habitat responsibility: 0

    Total Acreage Involved: 0

E. Number of active clusters for which landowner has partial foraging habitat responsibility: 0

    Total Acreage Involved: 0

F. Total number of acres enrolled in Safe Harbor: 4

G. Total basal area (10"DBH and larger stems) provided for RCWs: 0

H. Individual(s) who conducted RCW cavity tree surveys:

Georgia Pearson Phone # of primary contact: 404-799-2142

Bret Estep

Carlton Chambers

Jim Candler

I. Individual(s) who calculated foraging habitat analysis:

Georgia Pearson Phone # of primary contact: 404-799-2142

J. Based on the total tract size, current number of active clusters and the associated cluster and foraging habitat, current and/or expected future forest conditions, and the landowner's long-term land management objectives, are there opportunities to increase the RCW population on the tract?

Yes x No \_\_\_\_\_

If yes, and the tract is large enough to support at least 10 active clusters, is the landowner interested in considering serving as a mitigation bank?

Yes x No \_\_\_\_\_

**III. Non-Tract Information**

(Georgia DNR and/or USFWS will supply the majority of this information.)

A. Number of active clusters, not located on landowner's tract, for which landowner has partial foraging habitat responsibility: 0 Total acreage involved: 0

B. List all known RCW populations by: 1) tract/owner name; 2) # of active clusters (1 or more); and, 3) distance (to the closest mile), within 10 miles of landowner's property.

Population	_____	Size	_____	Distance	_____
Population	_____	Size	_____	Distance	_____
Population	_____	Size	_____	Distance	_____
Population	_____	Size	_____	Distance	_____
Population	_____	Size	_____	Distance	_____
Population	_____	Size	_____	Distance	_____

**IV. Enhancement Activities for Baseline RCW Groups**

A. How will hardwood basal area and midstory vegetation be controlled in RCW clusters? Check all that apply:

- \_\_\_\_\_ 1. Prescribed burning @ \_\_\_\_\_ to \_\_\_\_\_ year intervals
- \_\_\_\_\_ 2. Chemical treatments. List chemicals: \_\_\_\_\_
- \_\_\_\_\_ 3. Mechanical treatments. List methods: \_\_\_\_\_

B. How will hardwood basal area and midstory vegetation be controlled in RCW foraging habitat? Check all that apply:

- \_\_\_\_\_ 1. Prescribed burning @ \_\_\_\_\_ to \_\_\_\_\_ year intervals
- \_\_\_\_\_ 2. Chemical treatments. List chemicals: \_\_\_\_\_
- \_\_\_\_\_ 3. Mechanical treatments. List methods: \_\_\_\_\_

C. Additional baseline habitat enhancement activities:

\_\_\_ 1. Install artificial cavities in baseline clusters: \_\_\_ cavities in \_\_\_ clusters

**V. Other Enhancement Activities**

A. What additional management/conservation activities does landowner agree to conduct? Check all that apply:

\_\_\_ 1. Install artificial cavities in recruitment clusters  
\_\_\_ cavities in \_\_\_ clusters (at least 4 cavities must be installed in each recruitment cluster)

x 2. Control hardwood midstory outside currently designated RCW habitat

4 acres will be treated every 3 years

4 acres will be treated as needed

treatment will be by (check all that apply):

x prescribed fire x chemical \_\_\_ mechanical

x 3. Implement forest management practices that benefit RCWs, including:

\_\_\_ a. Increase rotation age

From \_\_\_ years to \_\_\_ years

\_\_\_ b. Restore stands to the right tree species (typically longleaf pine)

\_\_\_ acres will be restored

x c. Thin overstocked stands (90 basal area/acre and greater)

4 acres will be thinned

x 4. Provide opportunity for GADNR, USFWS, or third party to translocate juveniles from the tract to other properties (private, state, or federal). *Determinations must first be made by Georgia DNR and USFWS that this is a viable option for the landowner's RCW population; i.e., removal of juvenile RCWs will not result in adverse impacts to the population.*

**VI. Net Conservation Benefits to RCWs Expected as a Result of this Cooperative Agreement**

(Note: this section to be completed by Administrator)

The following net conservation benefits are expected as a result of implementing this Safe Harbor Cooperative Agreement and the associated baseline and other enhancement activities outlined above; benefits to be determined by Georgia DNR and USFWS. (check all that apply)

\_\_\_ A. Reduction of habitat fragmentation rates

\_\_\_ B. Maintenance of occupied habitat

x C. Restoration and/or enhancement of unoccupied habitat

\_\_\_ D. Increase in habitat connectivity

\_\_\_ E. Maintenance of current population size

\_\_\_ F. Increase of current population size

\_\_\_ G. Improvement of species population distribution

- \_\_\_\_\_ H. Reduction of the effects of catastrophic events
- \_\_\_\_\_ I. Increase in size, or rate of growth, of other populations (support or recovery)
- \_\_\_\_\_ J. Contribution to research knowledge, management techniques, and/or conservation strategies
- x \_\_\_\_\_ K. Other Maintain Possible Suitable Foraging Habitat

**VII. Implementation Plan**

Specify the time frames within which the landowner agrees to accomplish the baseline and other enhancement activities agreed upon in this evaluation form and in Appendix A and B of the Safe Harbor Agreement. For each activity, list the agreed upon dates to accomplish each action.

A. Baseline Activities

1. Activity	_____	Completion Date	_____
2. Activity	_____	Completion Date	_____
3. Activity	_____	Completion Date	_____
4. Activity	_____	Completion Date	_____
5. Activity	_____	Completion Date	_____
6. Activity	_____	Completion Date	_____
7. Activity	_____	Completion Date	_____
8. Activity	_____	Completion Date	_____
9. Activity	_____	Completion Date	_____
10. Activity	_____	Completion Date	_____

B. Enhancement Activities

1. Activity	<u>Controlled burning</u>	Completion Date	<u>Every 3 years</u>
2. Activity	<u>Hardwood control</u>	Completion Date	<u>As needed</u>
3. Activity	<u>Thinning overstocked stands</u>	Completion Date	<u>As needed</u>
4. Activity	_____	Completion Date	_____
5. Activity	_____	Completion Date	_____
6. Activity	_____	Completion Date	_____
7. Activity	_____	Completion Date	_____
8. Activity	_____	Completion Date	_____
9. Activity	_____	Completion Date	_____
10. Activity	_____	Completion Date	_____

Georgia Department of Natural Resources \_\_\_\_\_, Cooperator

By: \_\_\_\_\_

By: \_\_\_\_\_

Date: \_\_\_\_\_

Date: \_\_\_\_\_

**RED-COCKADED WOODPECKER  
SAFE HARBOR EVALUATION FORM  
for  
GEORGIA LANDOWNERS**

**I. Background Information**

A. Date of Evaluation: 2/16/2006

B. Tract Name: Plant Vogtle, Compartment 1, E200142

C. Tract Location

    1. County: Burke

    2. Tax Map #: \_\_\_\_\_

    3. Latitude: \_\_\_\_\_ Longitude: \_\_\_\_\_

D. Tract Owner Name: Georgia Power Co.

    Address: 241 Ralph McGill Blvd.  
Atlanta, GA 30308

    Telephone #: 404-799-2142 Fax #: 404-799-2141

E. Contact Person: Georgia Pearson

    Check one: Owner  Manager  Employee

    Address: 5131 Maner Rd  
Smyrna, GA 30080

    Telephone #: 404-799-2142

\_\_\_\_\_

**II. Tract Information**

A. Total tract acreage: 91 acres of 14 year old longleaf pine

B. Number of active clusters for which landowner has 100% cavity tree responsibility: 0

C. Number of active clusters for which landowner has partial cavity tree responsibility: 0

D. Number of active clusters for which landowner has 100% foraging habitat responsibility: 0

    Total Acreage Involved: 0

E. Number of active clusters for which landowner has partial foraging habitat responsibility: 0

    Total Acreage Involved: 0

F. Total number of acres enrolled in Safe Harbor: 91

G. Total basal area (10"DBH and larger stems) provided for RCWs: 0

H. Individual(s) who conducted RCW cavity tree surveys:

Georgia Pearson Phone # of primary contact: 404-799-2142

Bret Estep

Carlton Chambers

Jim Candler

I. Individual(s) who calculated foraging habitat analysis:

Georgia Pearson Phone # of primary contact: 404-799-2142

J. Based on the total tract size, current number of active clusters and the associated cluster and foraging habitat, current and/or expected future forest conditions, and the landowner's long-term land management objectives, are there opportunities to increase the RCW population on the tract?

Yes x No \_\_\_\_\_

If yes, and the tract is large enough to support at least 10 active clusters, is the landowner interested in considering serving as a mitigation bank?

Yes x No \_\_\_\_\_

**III. Non-Tract Information**

(Georgia DNR and/or USFWS will supply the majority of this information.)

A. Number of active clusters, not located on landowner's tract, for which landowner has partial foraging habitat responsibility: 0 Total acreage involved: 0

B. List all known RCW populations by: 1) tract/owner name; 2) # of active clusters (1 or more); and, 3) distance (to the closest mile), within 10 miles of landowner's property.

Population	_____	Size	_____	Distance	_____
Population	_____	Size	_____	Distance	_____
Population	_____	Size	_____	Distance	_____
Population	_____	Size	_____	Distance	_____
Population	_____	Size	_____	Distance	_____
Population	_____	Size	_____	Distance	_____

**IV. Enhancement Activities for Baseline RCW Groups**

A. How will hardwood basal area and midstory vegetation be controlled in RCW clusters? Check all that apply:

- \_\_\_\_\_ 1. Prescribed burning @ \_\_\_\_\_ to \_\_\_\_\_ year intervals
- \_\_\_\_\_ 2. Chemical treatments. List chemicals: \_\_\_\_\_
- \_\_\_\_\_ 3. Mechanical treatments. List methods: \_\_\_\_\_

B. How will hardwood basal area and midstory vegetation be controlled in RCW foraging habitat? Check all that apply:

- \_\_\_\_\_ 1. Prescribed burning @ \_\_\_\_\_ to \_\_\_\_\_ year intervals
- \_\_\_\_\_ 2. Chemical treatments. List chemicals: \_\_\_\_\_
- \_\_\_\_\_ 3. Mechanical treatments. List methods: \_\_\_\_\_



C. Additional baseline habitat enhancement activities:

\_\_\_ 1. Install artificial cavities in baseline clusters: \_\_\_ cavities in \_\_\_ clusters

**V. Other Enhancement Activities**

A. What additional management/conservation activities does landowner agree to conduct? Check all that apply:

\_\_\_ 1. Install artificial cavities in recruitment clusters  
\_\_\_ cavities in \_\_\_ clusters (at least 4 cavities must be installed in each recruitment cluster)

x 2. Control hardwood midstory outside currently designated RCW habitat

91 acres will be treated every 3 years

91 acres will be treated as needed

treatment will be by (check all that apply):

x prescribed fire x chemical \_\_\_ mechanical

x 3. Implement forest management practices that benefit RCWs, including:

\_\_\_ a. Increase rotation age

From \_\_\_ years to \_\_\_ years

\_\_\_ b. Restore stands to the right tree species (typically longleaf pine)

\_\_\_ acres will be restored

x c. Thin overstocked stands (90 basal area/acre and greater)

91 acres will be thinned

x 4. Provide opportunity for GADNR, USFWS, or third party to translocate juveniles from the tract to other properties (private, state, or federal). *Determinations must first be made by Georgia DNR and USFWS that this is a viable option for the landowner's RCW population; i.e., removal of juvenile RCWs will not result in adverse impacts to the population.*

**VI. Net Conservation Benefits to RCWs Expected as a Result of this Cooperative Agreement**

(Note: this section to be completed by Administrator)

The following net conservation benefits are expected as a result of implementing this Safe Harbor Cooperative Agreement and the associated baseline and other enhancement activities outlined above; benefits to be determined by Georgia DNR and USFWS. (check all that apply)

\_\_\_ A. Reduction of habitat fragmentation rates

\_\_\_ B. Maintenance of occupied habitat

x C. Restoration and/or enhancement of unoccupied habitat

\_\_\_ D. Increase in habitat connectivity

\_\_\_ E. Maintenance of current population size

\_\_\_ F. Increase of current population size

\_\_\_ G. Improvement of species population distribution

- \_\_\_\_\_ H. Reduction of the effects of catastrophic events
- \_\_\_\_\_ I. Increase in size, or rate of growth, of other populations (support or recovery)
- \_\_\_\_\_ J. Contribution to research knowledge, management techniques, and/or conservation strategies
- x \_\_\_\_\_ K. Other Maintain Possible Suitable Foraging Habitat

**VII. Implementation Plan**

Specify the time frames within which the landowner agrees to accomplish the baseline and other enhancement activities agreed upon in this evaluation form and in Appendix A and B of the Safe Harbor Agreement. For each activity, list the agreed upon dates to accomplish each action.

A. Baseline Activities

1. Activity	_____	Completion Date	_____
2. Activity	_____	Completion Date	_____
3. Activity	_____	Completion Date	_____
4. Activity	_____	Completion Date	_____
5. Activity	_____	Completion Date	_____
6. Activity	_____	Completion Date	_____
7. Activity	_____	Completion Date	_____
8. Activity	_____	Completion Date	_____
9. Activity	_____	Completion Date	_____
10. Activity	_____	Completion Date	_____

B. Enhancement Activities

1. Activity	<u>Controlled burning</u>	Completion Date	<u>Every 3 years</u>
2. Activity	<u>Hardwood control</u>	Completion Date	<u>As needed</u>
3. Activity	<u>Thinning overstocked stands</u>	Completion Date	<u>As needed</u>
4. Activity	_____	Completion Date	_____
5. Activity	_____	Completion Date	_____
6. Activity	_____	Completion Date	_____
7. Activity	_____	Completion Date	_____
8. Activity	_____	Completion Date	_____
9. Activity	_____	Completion Date	_____
10. Activity	_____	Completion Date	_____

Georgia Department of Natural Resources \_\_\_\_\_, Cooperator

By: \_\_\_\_\_

By: \_\_\_\_\_

Date: \_\_\_\_\_

Date: \_\_\_\_\_

**RED-COCKADED WOODPECKER  
SAFE HARBOR EVALUATION FORM  
for  
GEORGIA LANDOWNERS**

**I. Background Information**

A. Date of Evaluation: 2/16/2006

B. Tract Name: Plant Vogtle, Compartment 1, E200144

C. Tract Location

    1. County: Burke

    2. Tax Map #: \_\_\_\_\_

    3. Latitude: \_\_\_\_\_ Longitude: \_\_\_\_\_

D. Tract Owner Name: Georgia Power Co.

    Address: 241 Ralph McGill Blvd.  
Atlanta, GA 30308

    Telephone #: 404-799-2142 Fax #: 404-799-2141

E. Contact Person: Georgia Pearson

    Check one: Owner  Manager  Employee

    Address: 5131 Maner Rd  
Smyrna, GA 30080

    Telephone #: 404-799-2142

\_\_\_\_\_

**II. Tract Information**

A. Total tract acreage: 67 acres of 12 year old longleaf pine

B. Number of active clusters for which landowner has 100% cavity tree responsibility: 0

C. Number of active clusters for which landowner has partial cavity tree responsibility: 0

D. Number of active clusters for which landowner has 100% foraging habitat responsibility: 0

    Total Acreage Involved: 0

E. Number of active clusters for which landowner has partial foraging habitat responsibility: 0

    Total Acreage Involved: 0

F. Total number of acres enrolled in Safe Harbor: 67

G. Total basal area (10"DBH and larger stems) provided for RCWs: 0

H. Individual(s) who conducted RCW cavity tree surveys:

Georgia Pearson Phone # of primary contact: 404-799-2142

Bret Estep

Carlton Chambers

Jim Candler

I. Individual(s) who calculated foraging habitat analysis:

Georgia Pearson Phone # of primary contact: 404-799-2142

J. Based on the total tract size, current number of active clusters and the associated cluster and foraging habitat, current and/or expected future forest conditions, and the landowner's long-term land management objectives, are there opportunities to increase the RCW population on the tract?

Yes x No \_\_\_\_\_

If yes, and the tract is large enough to support at least 10 active clusters, is the landowner interested in considering serving as a mitigation bank?

Yes x No \_\_\_\_\_

**III. Non-Tract Information**

(Georgia DNR and/or USFWS will supply the majority of this information.)

A. Number of active clusters, not located on landowner's tract, for which landowner has partial foraging habitat responsibility: 0 Total acreage involved: 0

B. List all known RCW populations by: 1) tract/owner name; 2) # of active clusters (1 or more); and, 3) distance (to the closest mile), within 10 miles of landowner's property.

Population _____	Size _____	Distance _____
Population _____	Size _____	Distance _____
Population _____	Size _____	Distance _____
Population _____	Size _____	Distance _____
Population _____	Size _____	Distance _____
Population _____	Size _____	Distance _____

**IV. Enhancement Activities for Baseline RCW Groups**

A. How will hardwood basal area and midstory vegetation be controlled in RCW clusters? Check all that apply:

- \_\_\_\_\_ 1. Prescribed burning @ \_\_\_\_\_ to \_\_\_\_\_ year intervals
- \_\_\_\_\_ 2. Chemical treatments. List chemicals: \_\_\_\_\_
- \_\_\_\_\_ 3. Mechanical treatments. List methods: \_\_\_\_\_

B. How will hardwood basal area and midstory vegetation be controlled in RCW foraging habitat? Check all that apply:

- \_\_\_\_\_ 1. Prescribed burning @ \_\_\_\_\_ to \_\_\_\_\_ year intervals
- \_\_\_\_\_ 2. Chemical treatments. List chemicals: \_\_\_\_\_
- \_\_\_\_\_ 3. Mechanical treatments. List methods: \_\_\_\_\_

C. Additional baseline habitat enhancement activities:

\_\_\_ 1. Install artificial cavities in baseline clusters: \_\_\_ cavities in \_\_\_ clusters

**V. Other Enhancement Activities**

A. What additional management/conservation activities does landowner agree to conduct? Check all that apply:

\_\_\_ 1. Install artificial cavities in recruitment clusters  
\_\_\_ cavities in \_\_\_ clusters (at least 4 cavities must be installed in each recruitment cluster)

x 2. Control hardwood midstory outside currently designated RCW habitat

67 acres will be treated every 3 years

67 acres will be treated as needed

treatment will be by (check all that apply):

x prescribed fire x chemical \_\_\_ mechanical

x 3. Implement forest management practices that benefit RCWs, including:

\_\_\_ a. Increase rotation age

From \_\_\_ years to \_\_\_ years

\_\_\_ b. Restore stands to the right tree species (typically longleaf pine)

\_\_\_ acres will be restored

x c. Thin overstocked stands (90 basal area/acre and greater)

67 acres will be thinned

x 4. Provide opportunity for GADNR, USFWS, or third party to translocate juveniles from the tract to other properties (private, state, or federal). *Determinations must first be made by Georgia DNR and USFWS that this is a viable option for the landowner's RCW population; i.e., removal of juvenile RCWs will not result in adverse impacts to the population.*

**VI. Net Conservation Benefits to RCWs Expected as a Result of this Cooperative Agreement**

(Note: this section to be completed by Administrator)

The following net conservation benefits are expected as a result of implementing this Safe Harbor Cooperative Agreement and the associated baseline and other enhancement activities outlined above; benefits to be determined by Georgia DNR and USFWS. (check all that apply)

\_\_\_ A. Reduction of habitat fragmentation rates

\_\_\_ B. Maintenance of occupied habitat

x C. Restoration and/or enhancement of unoccupied habitat

\_\_\_ D. Increase in habitat connectivity

\_\_\_ E. Maintenance of current population size

\_\_\_ F. Increase of current population size

\_\_\_ G. Improvement of species population distribution

- \_\_\_\_\_ H. Reduction of the effects of catastrophic events
- \_\_\_\_\_ I. Increase in size, or rate of growth, of other populations (support or recovery)
- \_\_\_\_\_ J. Contribution to research knowledge, management techniques, and/or conservation strategies
- x \_\_\_\_\_ K. Other Maintain Possible Suitable Foraging Habitat

**VII. Implementation Plan**

Specify the time frames within which the landowner agrees to accomplish the baseline and other enhancement activities agreed upon in this evaluation form and in Appendix A and B of the Safe Harbor Agreement. For each activity, list the agreed upon dates to accomplish each action.

A. Baseline Activities

1. Activity	_____	Completion Date	_____
2. Activity	_____	Completion Date	_____
3. Activity	_____	Completion Date	_____
4. Activity	_____	Completion Date	_____
5. Activity	_____	Completion Date	_____
6. Activity	_____	Completion Date	_____
7. Activity	_____	Completion Date	_____
8. Activity	_____	Completion Date	_____
9. Activity	_____	Completion Date	_____
10. Activity	_____	Completion Date	_____

B. Enhancement Activities

1. Activity	<u>Controlled burning</u>	Completion Date	<u>Every 3 years</u>
2. Activity	<u>Hardwood control</u>	Completion Date	<u>As needed</u>
3. Activity	<u>Thinning overstocked stands</u>	Completion Date	<u>As needed</u>
4. Activity	_____	Completion Date	_____
5. Activity	_____	Completion Date	_____
6. Activity	_____	Completion Date	_____
7. Activity	_____	Completion Date	_____
8. Activity	_____	Completion Date	_____
9. Activity	_____	Completion Date	_____
10. Activity	_____	Completion Date	_____

Georgia Department of Natural Resources \_\_\_\_\_, Cooperator

By: \_\_\_\_\_

By: \_\_\_\_\_

Date: \_\_\_\_\_

Date: \_\_\_\_\_

**RED-COCKADED WOODPECKER  
SAFE HARBOR EVALUATION FORM  
for  
GEORGIA LANDOWNERS**

**I. Background Information**

A. Date of Evaluation: 2/16/2006

B. Tract Name: Plant Vogtle, Compartment 5, E200501

C. Tract Location

    1. County: Burke

    2. Tax Map #: \_\_\_\_\_

    3. Latitude: \_\_\_\_\_ Longitude: \_\_\_\_\_

D. Tract Owner Name: Georgia Power Co.

    Address: 241 Ralph McGill Blvd.  
Atlanta, GA 30308

    Telephone #: 404-799-2142 Fax #: 404-799-2141

E. Contact Person: Georgia Pearson

    Check one: Owner  Manager  Employee

    Address: 5131 Maner Rd  
Smyrna, GA 30080

    Telephone #: 404-799-2142

\_\_\_\_\_

**II. Tract Information**

A. Total tract acreage: 16 acres of 16 year old loblolly

B. Number of active clusters for which landowner has 100% cavity tree responsibility: 0

C. Number of active clusters for which landowner has partial cavity tree responsibility: 0

D. Number of active clusters for which landowner has 100% foraging habitat responsibility: 0

    Total Acreage Involved: 0

E. Number of active clusters for which landowner has partial foraging habitat responsibility: 0

    Total Acreage Involved: 0

F. Total number of acres enrolled in Safe Harbor: 16

G. Total basal area (10"DBH and larger stems) provided for RCWs: 0

H. Individual(s) who conducted RCW cavity tree surveys:

Georgia Pearson Phone # of primary contact: 404-799-2142

Bret Estep

Carlton Chambers

Jim Candler

I. Individual(s) who calculated foraging habitat analysis:

Georgia Pearson Phone # of primary contact: 404-799-2142

J. Based on the total tract size, current number of active clusters and the associated cluster and foraging habitat, current and/or expected future forest conditions, and the landowner's long-term land management objectives, are there opportunities to increase the RCW population on the tract?

Yes x No \_\_\_\_\_

If yes, and the tract is large enough to support at least 10 active clusters, is the landowner interested in considering serving as a mitigation bank?

Yes x No \_\_\_\_\_

**III. Non-Tract Information**

(Georgia DNR and/or USFWS will supply the majority of this information.)

A. Number of active clusters, not located on landowner's tract, for which landowner has partial foraging habitat responsibility: 0 Total acreage involved: 0

B. List all known RCW populations by: 1) tract/owner name; 2) # of active clusters (1 or more); and, 3) distance (to the closest mile), within 10 miles of landowner's property.

Population _____	Size _____	Distance _____
Population _____	Size _____	Distance _____
Population _____	Size _____	Distance _____
Population _____	Size _____	Distance _____
Population _____	Size _____	Distance _____
Population _____	Size _____	Distance _____

**IV. Enhancement Activities for Baseline RCW Groups**

A. How will hardwood basal area and midstory vegetation be controlled in RCW clusters? Check all that apply:

- \_\_\_\_\_ 1. Prescribed burning @ \_\_\_\_\_ to \_\_\_\_\_ year intervals
- \_\_\_\_\_ 2. Chemical treatments. List chemicals: \_\_\_\_\_
- \_\_\_\_\_ 3. Mechanical treatments. List methods: \_\_\_\_\_

B. How will hardwood basal area and midstory vegetation be controlled in RCW foraging habitat? Check all that apply:

- \_\_\_\_\_ 1. Prescribed burning @ \_\_\_\_\_ to \_\_\_\_\_ year intervals
- \_\_\_\_\_ 2. Chemical treatments. List chemicals: \_\_\_\_\_
- \_\_\_\_\_ 3. Mechanical treatments. List methods: \_\_\_\_\_



C. Additional baseline habitat enhancement activities:

\_\_\_ 1. Install artificial cavities in baseline clusters: \_\_\_ cavities in \_\_\_ clusters

**V. Other Enhancement Activities**

A. What additional management/conservation activities does landowner agree to conduct? Check all that apply:

\_\_\_ 1. Install artificial cavities in recruitment clusters  
\_\_\_ cavities in \_\_\_ clusters (at least 4 cavities must be installed in each recruitment cluster)

x 2. Control hardwood midstory outside currently designated RCW habitat

16 acres will be treated every 3 years

16 acres will be treated as needed

treatment will be by (check all that apply):

x prescribed fire x chemical \_\_\_ mechanical

x 3. Implement forest management practices that benefit RCWs, including:

\_\_\_ a. Increase rotation age

From \_\_\_ years to \_\_\_ years

\_\_\_ b. Restore stands to the right tree species (typically longleaf pine)

\_\_\_ acres will be restored

x c. Thin overstocked stands (90 basal area/acre and greater)

16 acres will be thinned

x 4. Provide opportunity for GADNR, USFWS, or third party to translocate juveniles from the tract to other properties (private, state, or federal). *Determinations must first be made by Georgia DNR and USFWS that this is a viable option for the landowner's RCW population; i.e., removal of juvenile RCWs will not result in adverse impacts to the population.*

**VI. Net Conservation Benefits to RCWs Expected as a Result of this Cooperative Agreement**

(Note: this section to be completed by Administrator)

The following net conservation benefits are expected as a result of implementing this Safe Harbor Cooperative Agreement and the associated baseline and other enhancement activities outlined above; benefits to be determined by Georgia DNR and USFWS. (check all that apply)

\_\_\_ A. Reduction of habitat fragmentation rates

\_\_\_ B. Maintenance of occupied habitat

x C. Restoration and/or enhancement of unoccupied habitat

\_\_\_ D. Increase in habitat connectivity

\_\_\_ E. Maintenance of current population size

\_\_\_ F. Increase of current population size

\_\_\_ G. Improvement of species population distribution

- \_\_\_\_\_ H. Reduction of the effects of catastrophic events
- \_\_\_\_\_ I. Increase in size, or rate of growth, of other populations (support or recovery)
- \_\_\_\_\_ J. Contribution to research knowledge, management techniques, and/or conservation strategies
- x \_\_\_\_\_ K. Other Maintain Possible Suitable Foraging Habitat

**VII. Implementation Plan**

Specify the time frames within which the landowner agrees to accomplish the baseline and other enhancement activities agreed upon in this evaluation form and in Appendix A and B of the Safe Harbor Agreement. For each activity, list the agreed upon dates to accomplish each action.

A. Baseline Activities

1. Activity	_____	Completion Date	_____
2. Activity	_____	Completion Date	_____
3. Activity	_____	Completion Date	_____
4. Activity	_____	Completion Date	_____
5. Activity	_____	Completion Date	_____
6. Activity	_____	Completion Date	_____
7. Activity	_____	Completion Date	_____
8. Activity	_____	Completion Date	_____
9. Activity	_____	Completion Date	_____
10. Activity	_____	Completion Date	_____

B. Enhancement Activities

1. Activity	<u>Controlled burning</u>	Completion Date	<u>Every 3 years</u>
2. Activity	<u>Hardwood control</u>	Completion Date	<u>As needed</u>
3. Activity	<u>Thinning overstocked stands</u>	Completion Date	<u>As needed</u>
4. Activity	_____	Completion Date	_____
5. Activity	_____	Completion Date	_____
6. Activity	_____	Completion Date	_____
7. Activity	_____	Completion Date	_____
8. Activity	_____	Completion Date	_____
9. Activity	_____	Completion Date	_____
10. Activity	_____	Completion Date	_____

Georgia Department of Natural Resources \_\_\_\_\_, Cooperator

By: \_\_\_\_\_

By: \_\_\_\_\_

Date: \_\_\_\_\_

Date: \_\_\_\_\_

**RED-COCKADED WOODPECKER  
SAFE HARBOR EVALUATION FORM  
for  
GEORGIA LANDOWNERS**

**I. Background Information**

A. Date of Evaluation: 2/16/2006

B. Tract Name: Plant Vogtle, Compartment 5, E200503

C. Tract Location

    1. County: Burke

    2. Tax Map #: \_\_\_\_\_

    3. Latitude: \_\_\_\_\_ Longitude: \_\_\_\_\_

D. Tract Owner Name: Georgia Power Co.

    Address: 241 Ralph McGill Blvd.  
Atlanta, GA 30308

    Telephone #: 404-799-2142 Fax #: 404-799-2141

E. Contact Person: Georgia Pearson

    Check one: Owner  Manager  Employee

    Address: 5131 Maner Rd  
Smyrna, GA 30080

    Telephone #: 404-799-2142

\_\_\_\_\_

**II. Tract Information**

A. Total tract acreage: 24 acres of 43 year old longleaf pine

B. Number of active clusters for which landowner has 100% cavity tree responsibility: 0

C. Number of active clusters for which landowner has partial cavity tree responsibility: 0

D. Number of active clusters for which landowner has 100% foraging habitat responsibility: 0

    Total Acreage Involved: 0

E. Number of active clusters for which landowner has partial foraging habitat responsibility: 0

    Total Acreage Involved: 0

F. Total number of acres enrolled in Safe Harbor: 24

G. Total basal area (10"DBH and larger stems) provided for RCWs: 0

H. Individual(s) who conducted RCW cavity tree surveys:

Georgia Pearson Phone # of primary contact: 404-799-2142

Bret Estep

Carlton Chambers

Jim Candler

I. Individual(s) who calculated foraging habitat analysis:

Georgia Pearson Phone # of primary contact: 404-799-2142  
\_\_\_\_\_

J. Based on the total tract size, current number of active clusters and the associated cluster and foraging habitat, current and/or expected future forest conditions, and the landowner's long-term land management objectives, are there opportunities to increase the RCW population on the tract?

Yes x No \_\_\_\_\_

If yes, and the tract is large enough to support at least 10 active clusters, is the landowner interested in considering serving as a mitigation bank?

Yes x No \_\_\_\_\_

**III. Non-Tract Information**

(Georgia DNR and/or USFWS will supply the majority of this information.)

A. Number of active clusters, not located on landowner's tract, for which landowner has partial foraging habitat responsibility: 0 Total acreage involved: 0

B. List all known RCW populations by: 1) tract/owner name; 2) # of active clusters (1 or more); and, 3) distance (to the closest mile), within 10 miles of landowner's property.

Population _____	Size _____	Distance _____
Population _____	Size _____	Distance _____
Population _____	Size _____	Distance _____
Population _____	Size _____	Distance _____
Population _____	Size _____	Distance _____
Population _____	Size _____	Distance _____

**IV. Enhancement Activities for Baseline RCW Groups**

A. How will hardwood basal area and midstory vegetation be controlled in RCW clusters? Check all that apply:

- \_\_\_\_\_ 1. Prescribed burning @ \_\_\_\_\_ to \_\_\_\_\_ year intervals
- \_\_\_\_\_ 2. Chemical treatments. List chemicals: \_\_\_\_\_
- \_\_\_\_\_ 3. Mechanical treatments. List methods: \_\_\_\_\_

B. How will hardwood basal area and midstory vegetation be controlled in RCW foraging habitat? Check all that apply:

- \_\_\_\_\_ 1. Prescribed burning @ \_\_\_\_\_ to \_\_\_\_\_ year intervals
- \_\_\_\_\_ 2. Chemical treatments. List chemicals: \_\_\_\_\_
- \_\_\_\_\_ 3. Mechanical treatments. List methods: \_\_\_\_\_

C. Additional baseline habitat enhancement activities:

\_\_\_ 1. Install artificial cavities in baseline clusters: \_\_\_ cavities in \_\_\_ clusters

**V. Other Enhancement Activities**

A. What additional management/conservation activities does landowner agree to conduct? Check all that apply:

\_\_\_ 1. Install artificial cavities in recruitment clusters  
\_\_\_ cavities in \_\_\_ clusters (at least 4 cavities must be installed in each recruitment cluster)

x 2. Control hardwood midstory outside currently designated RCW habitat

24 acres will be treated every 3 years

24 acres will be treated as needed

treatment will be by (check all that apply):

x prescribed fire x chemical \_\_\_ mechanical

x 3. Implement forest management practices that benefit RCWs, including:

\_\_\_ a. Increase rotation age

From \_\_\_ years to \_\_\_ years

\_\_\_ b. Restore stands to the right tree species (typically longleaf pine)

\_\_\_ acres will be restored

x c. Thin overstocked stands (90 basal area/acre and greater)

24 acres will be thinned

x 4. Provide opportunity for GADNR, USFWS, or third party to translocate juveniles from the tract to other properties (private, state, or federal). *Determinations must first be made by Georgia DNR and USFWS that this is a viable option for the landowner's RCW population; i.e., removal of juvenile RCWs will not result in adverse impacts to the population.*

**VI. Net Conservation Benefits to RCWs Expected as a Result of this Cooperative Agreement**

(Note: this section to be completed by Administrator)

The following net conservation benefits are expected as a result of implementing this Safe Harbor Cooperative Agreement and the associated baseline and other enhancement activities outlined above; benefits to be determined by Georgia DNR and USFWS. (check all that apply)

\_\_\_ A. Reduction of habitat fragmentation rates

\_\_\_ B. Maintenance of occupied habitat

x C. Restoration and/or enhancement of unoccupied habitat

\_\_\_ D. Increase in habitat connectivity

\_\_\_ E. Maintenance of current population size

\_\_\_ F. Increase of current population size

\_\_\_ G. Improvement of species population distribution

- \_\_\_\_\_ H. Reduction of the effects of catastrophic events
- \_\_\_\_\_ I. Increase in size, or rate of growth, of other populations (support or recovery)
- \_\_\_\_\_ J. Contribution to research knowledge, management techniques, and/or conservation strategies
- x \_\_\_\_\_ K. Other Maintain Possible Suitable Foraging Habitat

**VII. Implementation Plan**

Specify the time frames within which the landowner agrees to accomplish the baseline and other enhancement activities agreed upon in this evaluation form and in Appendix A and B of the Safe Harbor Agreement. For each activity, list the agreed upon dates to accomplish each action.

A. Baseline Activities

1. Activity	_____	Completion Date	_____
2. Activity	_____	Completion Date	_____
3. Activity	_____	Completion Date	_____
4. Activity	_____	Completion Date	_____
5. Activity	_____	Completion Date	_____
6. Activity	_____	Completion Date	_____
7. Activity	_____	Completion Date	_____
8. Activity	_____	Completion Date	_____
9. Activity	_____	Completion Date	_____
10. Activity	_____	Completion Date	_____

B. Enhancement Activities

1. Activity	<u>Controlled burning</u>	Completion Date	<u>Every 3 years</u>
2. Activity	<u>Hardwood control</u>	Completion Date	<u>As needed</u>
3. Activity	<u>Thinning overstocked stands</u>	Completion Date	<u>As needed</u>
4. Activity	_____	Completion Date	_____
5. Activity	_____	Completion Date	_____
6. Activity	_____	Completion Date	_____
7. Activity	_____	Completion Date	_____
8. Activity	_____	Completion Date	_____
9. Activity	_____	Completion Date	_____
10. Activity	_____	Completion Date	_____

Georgia Department of Natural Resources \_\_\_\_\_, Cooperator

By: \_\_\_\_\_

By: \_\_\_\_\_

Date: \_\_\_\_\_

Date: \_\_\_\_\_

**RED-COCKADED WOODPECKER  
SAFE HARBOR EVALUATION FORM  
for  
GEORGIA LANDOWNERS**

**I. Background Information**

A. Date of Evaluation: 2/16/2006

B. Tract Name: Plant Vogtle, Compartment 5, E200505

C. Tract Location

    1. County: Burke

    2. Tax Map #: \_\_\_\_\_

    3. Latitude: \_\_\_\_\_ Longitude: \_\_\_\_\_

D. Tract Owner Name: Georgia Power Co.

    Address: 241 Ralph McGill Blvd.

Atlanta, GA 30308

    Telephone #: 404-799-2142 Fax #: 404-799-2141

E. Contact Person: Georgia Pearson

    Check one: Owner  Manager  Employee

    Address: 5131 Maner Rd

Smyrna, GA 30080

    Telephone #: 404-799-2142

\_\_\_\_\_

**II. Tract Information**

A. Total tract acreage: 27 acres of 46 year old slash/harvest year 2006

B. Number of active clusters for which landowner has 100% cavity tree responsibility: 0

C. Number of active clusters for which landowner has partial cavity tree responsibility: 0

D. Number of active clusters for which landowner has 100% foraging habitat responsibility: 0

    Total Acreage Involved: 0

E. Number of active clusters for which landowner has partial foraging habitat responsibility: 0

    Total Acreage Involved: 0

F. Total number of acres enrolled in Safe Harbor: 27

G. Total basal area (10"DBH and larger stems) provided for RCWs: 0

H. Individual(s) who conducted RCW cavity tree surveys:

Georgia Pearson Phone # of primary contact: 404-799-2142

Bret Estep

Carlton Chambers

Jim Candler

I. Individual(s) who calculated foraging habitat analysis:

Georgia Pearson Phone # of primary contact: 404-799-2142

J. Based on the total tract size, current number of active clusters and the associated cluster and foraging habitat, current and/or expected future forest conditions, and the landowner's long-term land management objectives, are there opportunities to increase the RCW population on the tract?

Yes x No \_\_\_\_\_

If yes, and the tract is large enough to support at least 10 active clusters, is the landowner interested in considering serving as a mitigation bank?

Yes x No \_\_\_\_\_

**III. Non-Tract Information**

(Georgia DNR and/or USFWS will supply the majority of this information.)

A. Number of active clusters, not located on landowner's tract, for which landowner has partial foraging habitat responsibility: 0 Total acreage involved: 0

B. List all known RCW populations by: 1) tract/owner name; 2) # of active clusters (1 or more); and, 3) distance (to the closest mile), within 10 miles of landowner's property.

Population _____	Size _____	Distance _____
Population _____	Size _____	Distance _____
Population _____	Size _____	Distance _____
Population _____	Size _____	Distance _____
Population _____	Size _____	Distance _____
Population _____	Size _____	Distance _____

**IV. Enhancement Activities for Baseline RCW Groups**

A. How will hardwood basal area and midstory vegetation be controlled in RCW clusters? Check all that apply:

- \_\_\_\_\_ 1. Prescribed burning @ \_\_\_\_\_ to \_\_\_\_\_ year intervals
- \_\_\_\_\_ 2. Chemical treatments. List chemicals: \_\_\_\_\_
- \_\_\_\_\_ 3. Mechanical treatments. List methods: \_\_\_\_\_

B. How will hardwood basal area and midstory vegetation be controlled in RCW foraging habitat? Check all that apply:

- \_\_\_\_\_ 1. Prescribed burning @ \_\_\_\_\_ to \_\_\_\_\_ year intervals
- \_\_\_\_\_ 2. Chemical treatments. List chemicals: \_\_\_\_\_
- \_\_\_\_\_ 3. Mechanical treatments. List methods: \_\_\_\_\_



C. Additional baseline habitat enhancement activities:

\_\_\_ 1. Install artificial cavities in baseline clusters: \_\_\_ cavities in \_\_\_ clusters

**V. Other Enhancement Activities**

A. What additional management/conservation activities does landowner agree to conduct? Check all that apply:

\_\_\_ 1. Install artificial cavities in recruitment clusters  
\_\_\_ cavities in \_\_\_ clusters (at least 4 cavities must be installed in each recruitment cluster)

x 2. Control hardwood midstory outside currently designated RCW habitat

27 acres will be treated every 3 years

27 acres will be treated as needed

treatment will be by (check all that apply):

x prescribed fire x chemical \_\_\_ mechanical

x 3. Implement forest management practices that benefit RCWs, including:

\_\_\_ a. Increase rotation age

From \_\_\_ years to \_\_\_ years

\_\_\_ b. Restore stands to the right tree species (typically longleaf pine)

\_\_\_ acres will be restored

x c. Thin overstocked stands (90 basal area/acre and greater)

27 acres will be thinned

x 4. Provide opportunity for GADNR, USFWS, or third party to translocate juveniles from the tract to other properties (private, state, or federal). *Determinations must first be made by Georgia DNR and USFWS that this is a viable option for the landowner's RCW population; i.e., removal of juvenile RCWs will not result in adverse impacts to the population.*

**VI. Net Conservation Benefits to RCWs Expected as a Result of this Cooperative Agreement**

(Note: this section to be completed by Administrator)

The following net conservation benefits are expected as a result of implementing this Safe Harbor Cooperative Agreement and the associated baseline and other enhancement activities outlined above; benefits to be determined by Georgia DNR and USFWS. (check all that apply)

\_\_\_ A. Reduction of habitat fragmentation rates

\_\_\_ B. Maintenance of occupied habitat

x C. Restoration and/or enhancement of unoccupied habitat

\_\_\_ D. Increase in habitat connectivity

\_\_\_ E. Maintenance of current population size

\_\_\_ F. Increase of current population size

\_\_\_ G. Improvement of species population distribution

- \_\_\_\_\_ H. Reduction of the effects of catastrophic events
- \_\_\_\_\_ I. Increase in size, or rate of growth, of other populations (support or recovery)
- \_\_\_\_\_ J. Contribution to research knowledge, management techniques, and/or conservation strategies
- x \_\_\_\_\_ K. Other Maintain Possible Suitable Foraging Habitat

**VII. Implementation Plan**

Specify the time frames within which the landowner agrees to accomplish the baseline and other enhancement activities agreed upon in this evaluation form and in Appendix A and B of the Safe Harbor Agreement. For each activity, list the agreed upon dates to accomplish each action.

A. Baseline Activities

1. Activity	_____	Completion Date	_____
2. Activity	_____	Completion Date	_____
3. Activity	_____	Completion Date	_____
4. Activity	_____	Completion Date	_____
5. Activity	_____	Completion Date	_____
6. Activity	_____	Completion Date	_____
7. Activity	_____	Completion Date	_____
8. Activity	_____	Completion Date	_____
9. Activity	_____	Completion Date	_____
10. Activity	_____	Completion Date	_____

B. Enhancement Activities

1. Activity	<u>Controlled burning</u>	Completion Date	<u>Every 3 years</u>
2. Activity	<u>Hardwood control</u>	Completion Date	<u>As needed</u>
3. Activity	<u>Thinning overstocked stands</u>	Completion Date	<u>As needed</u>
4. Activity	_____	Completion Date	_____
5. Activity	_____	Completion Date	_____
6. Activity	_____	Completion Date	_____
7. Activity	_____	Completion Date	_____
8. Activity	_____	Completion Date	_____
9. Activity	_____	Completion Date	_____
10. Activity	_____	Completion Date	_____

Georgia Department of Natural Resources \_\_\_\_\_, Cooperator

By: \_\_\_\_\_

By: \_\_\_\_\_

Date: \_\_\_\_\_

Date: \_\_\_\_\_

**RED-COCKADED WOODPECKER  
SAFE HARBOR EVALUATION FORM  
for  
GEORGIA LANDOWNERS**

**I. Background Information**

A. Date of Evaluation: 2/16/2006

B. Tract Name: Plant Vogtle, Compartment 5, E200506

C. Tract Location

    1. County: Burke

    2. Tax Map #: \_\_\_\_\_

    3. Latitude: \_\_\_\_\_ Longitude: \_\_\_\_\_

D. Tract Owner Name: Georgia Power Co.

    Address: 241 Ralph McGill Blvd.  
Atlanta, GA 30308

    Telephone #: 404-799-2142 Fax #: 404-799-2141

E. Contact Person: Georgia Pearson

    Check one: Owner  Manager  Employee

    Address: 5131 Maner Rd  
Smyrna, GA 30080

    Telephone #: 404-799-2142

\_\_\_\_\_

**II. Tract Information**

A. Total tract acreage: 48 acres of 19 year old loblolly

B. Number of active clusters for which landowner has 100% cavity tree responsibility: 0

C. Number of active clusters for which landowner has partial cavity tree responsibility: 0

D. Number of active clusters for which landowner has 100% foraging habitat responsibility: 0

    Total Acreage Involved: 0

E. Number of active clusters for which landowner has partial foraging habitat responsibility: 0

    Total Acreage Involved: 0

F. Total number of acres enrolled in Safe Harbor: 48

G. Total basal area (10"DBH and larger stems) provided for RCWs: 0

H. Individual(s) who conducted RCW cavity tree surveys:

Georgia Pearson Phone # of primary contact: 404-799-2142

Bret Estep

Carlton Chambers

Jim Candler

I. Individual(s) who calculated foraging habitat analysis:

Georgia Pearson Phone # of primary contact: 404-799-2142

J. Based on the total tract size, current number of active clusters and the associated cluster and foraging habitat, current and/or expected future forest conditions, and the landowner's long-term land management objectives, are there opportunities to increase the RCW population on the tract?

Yes x No \_\_\_\_\_

If yes, and the tract is large enough to support at least 10 active clusters, is the landowner interested in considering serving as a mitigation bank?

Yes x No \_\_\_\_\_

**III. Non-Tract Information**

(Georgia DNR and/or USFWS will supply the majority of this information.)

A. Number of active clusters, not located on landowner's tract, for which landowner has partial foraging habitat responsibility: 0 Total acreage involved: 0

B. List all known RCW populations by: 1) tract/owner name; 2) # of active clusters (1 or more); and, 3) distance (to the closest mile), within 10 miles of landowner's property.

Population _____	Size _____	Distance _____
Population _____	Size _____	Distance _____
Population _____	Size _____	Distance _____
Population _____	Size _____	Distance _____
Population _____	Size _____	Distance _____
Population _____	Size _____	Distance _____

**IV. Enhancement Activities for Baseline RCW Groups**

A. How will hardwood basal area and midstory vegetation be controlled in RCW clusters? Check all that apply:

- \_\_\_\_\_ 1. Prescribed burning @ \_\_\_\_\_ to \_\_\_\_\_ year intervals
- \_\_\_\_\_ 2. Chemical treatments. List chemicals: \_\_\_\_\_
- \_\_\_\_\_ 3. Mechanical treatments. List methods: \_\_\_\_\_

B. How will hardwood basal area and midstory vegetation be controlled in RCW foraging habitat? Check all that apply:

- \_\_\_\_\_ 1. Prescribed burning @ \_\_\_\_\_ to \_\_\_\_\_ year intervals
- \_\_\_\_\_ 2. Chemical treatments. List chemicals: \_\_\_\_\_
- \_\_\_\_\_ 3. Mechanical treatments. List methods: \_\_\_\_\_

C. Additional baseline habitat enhancement activities:

\_\_\_ 1. Install artificial cavities in baseline clusters: \_\_\_ cavities in \_\_\_ clusters

**V. Other Enhancement Activities**

A. What additional management/conservation activities does landowner agree to conduct? Check all that apply:

\_\_\_ 1. Install artificial cavities in recruitment clusters  
\_\_\_ cavities in \_\_\_ clusters (at least 4 cavities must be installed in each recruitment cluster)

x 2. Control hardwood midstory outside currently designated RCW habitat

48 acres will be treated every 3 years

48 acres will be treated as needed

treatment will be by (check all that apply):

x prescribed fire x chemical \_\_\_ mechanical

x 3. Implement forest management practices that benefit RCWs, including:

\_\_\_ a. Increase rotation age

From \_\_\_ years to \_\_\_ years

\_\_\_ b. Restore stands to the right tree species (typically longleaf pine)

\_\_\_ acres will be restored

x c. Thin overstocked stands (90 basal area/acre and greater)

48 acres will be thinned

x 4. Provide opportunity for GADNR, USFWS, or third party to translocate juveniles from the tract to other properties (private, state, or federal). *Determinations must first be made by Georgia DNR and USFWS that this is a viable option for the landowner's RCW population; i.e., removal of juvenile RCWs will not result in adverse impacts to the population.*

**VI. Net Conservation Benefits to RCWs Expected as a Result of this Cooperative Agreement**

(Note: this section to be completed by Administrator)

The following net conservation benefits are expected as a result of implementing this Safe Harbor Cooperative Agreement and the associated baseline and other enhancement activities outlined above; benefits to be determined by Georgia DNR and USFWS. (check all that apply)

\_\_\_ A. Reduction of habitat fragmentation rates

\_\_\_ B. Maintenance of occupied habitat

x C. Restoration and/or enhancement of unoccupied habitat

\_\_\_ D. Increase in habitat connectivity

\_\_\_ E. Maintenance of current population size

\_\_\_ F. Increase of current population size

\_\_\_ G. Improvement of species population distribution

- \_\_\_\_\_ H. Reduction of the effects of catastrophic events
- \_\_\_\_\_ I. Increase in size, or rate of growth, of other populations (support or recovery)
- \_\_\_\_\_ J. Contribution to research knowledge, management techniques, and/or conservation strategies
- x \_\_\_\_\_ K. Other Maintain Possible Suitable Foraging Habitat

**VII. Implementation Plan**

Specify the time frames within which the landowner agrees to accomplish the baseline and other enhancement activities agreed upon in this evaluation form and in Appendix A and B of the Safe Harbor Agreement. For each activity, list the agreed upon dates to accomplish each action.

A. Baseline Activities

1. Activity	_____	Completion Date	_____
2. Activity	_____	Completion Date	_____
3. Activity	_____	Completion Date	_____
4. Activity	_____	Completion Date	_____
5. Activity	_____	Completion Date	_____
6. Activity	_____	Completion Date	_____
7. Activity	_____	Completion Date	_____
8. Activity	_____	Completion Date	_____
9. Activity	_____	Completion Date	_____
10. Activity	_____	Completion Date	_____

B. Enhancement Activities

1. Activity	<u>Controlled burning</u>	Completion Date	<u>Every 3 years</u>
2. Activity	<u>Hardwood control</u>	Completion Date	<u>As needed</u>
3. Activity	<u>Thinning overstocked stands</u>	Completion Date	<u>As needed</u>
4. Activity	_____	Completion Date	_____
5. Activity	_____	Completion Date	_____
6. Activity	_____	Completion Date	_____
7. Activity	_____	Completion Date	_____
8. Activity	_____	Completion Date	_____
9. Activity	_____	Completion Date	_____
10. Activity	_____	Completion Date	_____

Georgia Department of Natural Resources \_\_\_\_\_, Cooperator

By: \_\_\_\_\_

By: \_\_\_\_\_

Date: \_\_\_\_\_

Date: \_\_\_\_\_

**RED-COCKADED WOODPECKER  
SAFE HARBOR EVALUATION FORM  
for  
GEORGIA LANDOWNERS**

**I. Background Information**

A. Date of Evaluation: 2/16/2006

B. Tract Name: Plant Vogtle, Compartment 5, E200508

C. Tract Location

    1. County: Burke

    2. Tax Map #: \_\_\_\_\_

    3. Latitude: \_\_\_\_\_ Longitude: \_\_\_\_\_

D. Tract Owner Name: Georgia Power Co.

    Address: 241 Ralph McGill Blvd.  
Atlanta, GA 30308

    Telephone #: 404-799-2142 Fax #: 404-799-2141

E. Contact Person: Georgia Pearson

    Check one: Owner  Manager  Employee

    Address: 5131 Maner Rd  
Smyrna, GA 30080

    Telephone #: 404-799-2142

\_\_\_\_\_

**II. Tract Information**

A. Total tract acreage: 82 acres of uneven aged mixed pine

B. Number of active clusters for which landowner has 100% cavity tree responsibility: 0

C. Number of active clusters for which landowner has partial cavity tree responsibility: 0

D. Number of active clusters for which landowner has 100% foraging habitat responsibility: 0

    Total Acreage Involved: 0

E. Number of active clusters for which landowner has partial foraging habitat responsibility: 0

    Total Acreage Involved: 0

F. Total number of acres enrolled in Safe Harbor: 82

G. Total basal area (10"DBH and larger stems) provided for RCWs: 0

H. Individual(s) who conducted RCW cavity tree surveys:

Georgia Pearson Phone # of primary contact: 404-799-2142

Bret Estep

Carlton Chambers

Jim Candler

I. Individual(s) who calculated foraging habitat analysis:

Georgia Pearson Phone # of primary contact: 404-799-2142

J. Based on the total tract size, current number of active clusters and the associated cluster and foraging habitat, current and/or expected future forest conditions, and the landowner's long-term land management objectives, are there opportunities to increase the RCW population on the tract?

Yes x No \_\_\_\_\_

If yes, and the tract is large enough to support at least 10 active clusters, is the landowner interested in considering serving as a mitigation bank?

Yes x No \_\_\_\_\_

**III. Non-Tract Information**

(Georgia DNR and/or USFWS will supply the majority of this information.)

A. Number of active clusters, not located on landowner's tract, for which landowner has partial foraging habitat responsibility: 0 Total acreage involved: 0

B. List all known RCW populations by: 1) tract/owner name; 2) # of active clusters (1 or more); and, 3) distance (to the closest mile), within 10 miles of landowner's property.

Population _____	Size _____	Distance _____
Population _____	Size _____	Distance _____
Population _____	Size _____	Distance _____
Population _____	Size _____	Distance _____
Population _____	Size _____	Distance _____
Population _____	Size _____	Distance _____

**IV. Enhancement Activities for Baseline RCW Groups**

A. How will hardwood basal area and midstory vegetation be controlled in RCW clusters? Check all that apply:

- \_\_\_\_\_ 1. Prescribed burning @ \_\_\_\_\_ to \_\_\_\_\_ year intervals
- \_\_\_\_\_ 2. Chemical treatments. List chemicals: \_\_\_\_\_
- \_\_\_\_\_ 3. Mechanical treatments. List methods: \_\_\_\_\_

B. How will hardwood basal area and midstory vegetation be controlled in RCW foraging habitat? Check all that apply:

- \_\_\_\_\_ 1. Prescribed burning @ \_\_\_\_\_ to \_\_\_\_\_ year intervals
- \_\_\_\_\_ 2. Chemical treatments. List chemicals: \_\_\_\_\_
- \_\_\_\_\_ 3. Mechanical treatments. List methods: \_\_\_\_\_



C. Additional baseline habitat enhancement activities:

\_\_\_ 1. Install artificial cavities in baseline clusters: \_\_\_ cavities in \_\_\_ clusters

**V. Other Enhancement Activities**

A. What additional management/conservation activities does landowner agree to conduct? Check all that apply:

\_\_\_ 1. Install artificial cavities in recruitment clusters  
\_\_\_ cavities in \_\_\_ clusters (at least 4 cavities must be installed in each recruitment cluster)

x 2. Control hardwood midstory outside currently designated RCW habitat

82 acres will be treated every 3 years

82 acres will be treated as needed

treatment will be by (check all that apply):

x prescribed fire x chemical \_\_\_ mechanical

x 3. Implement forest management practices that benefit RCWs, including:

\_\_\_ a. Increase rotation age

From \_\_\_ years to \_\_\_ years

\_\_\_ b. Restore stands to the right tree species (typically longleaf pine)

\_\_\_ acres will be restored

x c. Thin overstocked stands (90 basal area/acre and greater)

82 acres will be thinned

x 4. Provide opportunity for GADNR, USFWS, or third party to translocate juveniles from the tract to other properties (private, state, or federal). *Determinations must first be made by Georgia DNR and USFWS that this is a viable option for the landowner's RCW population; i.e., removal of juvenile RCWs will not result in adverse impacts to the population.*

**VI. Net Conservation Benefits to RCWs Expected as a Result of this Cooperative Agreement**

(Note: this section to be completed by Administrator)

The following net conservation benefits are expected as a result of implementing this Safe Harbor Cooperative Agreement and the associated baseline and other enhancement activities outlined above; benefits to be determined by Georgia DNR and USFWS. (check all that apply)

\_\_\_ A. Reduction of habitat fragmentation rates

\_\_\_ B. Maintenance of occupied habitat

x C. Restoration and/or enhancement of unoccupied habitat

\_\_\_ D. Increase in habitat connectivity

\_\_\_ E. Maintenance of current population size

\_\_\_ F. Increase of current population size

\_\_\_ G. Improvement of species population distribution

- \_\_\_\_\_ H. Reduction of the effects of catastrophic events
- \_\_\_\_\_ I. Increase in size, or rate of growth, of other populations (support or recovery)
- \_\_\_\_\_ J. Contribution to research knowledge, management techniques, and/or conservation strategies
- x \_\_\_\_\_ K. Other Maintain Possible Suitable Foraging Habitat

**VII. Implementation Plan**

Specify the time frames within which the landowner agrees to accomplish the baseline and other enhancement activities agreed upon in this evaluation form and in Appendix A and B of the Safe Harbor Agreement. For each activity, list the agreed upon dates to accomplish each action.

A. Baseline Activities

1. Activity	_____	Completion Date	_____
2. Activity	_____	Completion Date	_____
3. Activity	_____	Completion Date	_____
4. Activity	_____	Completion Date	_____
5. Activity	_____	Completion Date	_____
6. Activity	_____	Completion Date	_____
7. Activity	_____	Completion Date	_____
8. Activity	_____	Completion Date	_____
9. Activity	_____	Completion Date	_____
10. Activity	_____	Completion Date	_____

B. Enhancement Activities

1. Activity	<u>Controlled burning</u>	Completion Date	<u>Every 3 years</u>
2. Activity	<u>Hardwood control</u>	Completion Date	<u>As needed</u>
3. Activity	<u>Thinning overstocked stands</u>	Completion Date	<u>As needed</u>
4. Activity	_____	Completion Date	_____
5. Activity	_____	Completion Date	_____
6. Activity	_____	Completion Date	_____
7. Activity	_____	Completion Date	_____
8. Activity	_____	Completion Date	_____
9. Activity	_____	Completion Date	_____
10. Activity	_____	Completion Date	_____

Georgia Department of Natural Resources \_\_\_\_\_, Cooperator

By: \_\_\_\_\_

By: \_\_\_\_\_

Date: \_\_\_\_\_

Date: \_\_\_\_\_

**RED-COCKADED WOODPECKER  
SAFE HARBOR EVALUATION FORM  
for  
GEORGIA LANDOWNERS**

**I. Background Information**

A. Date of Evaluation: 2/16/2006

B. Tract Name: Plant Vogtle, Compartment 5, E200508

C. Tract Location

    1. County: Burke

    2. Tax Map #: \_\_\_\_\_

    3. Latitude: \_\_\_\_\_ Longitude: \_\_\_\_\_

D. Tract Owner Name: Georgia Power Co.

    Address: 241 Ralph McGill Blvd.  
Atlanta, GA 30308

    Telephone #: 404-799-2142 Fax #: 404-799-2141

E. Contact Person: Georgia Pearson

    Check one: Owner  Manager  Employee

    Address: 5131 Maner Rd  
Smyrna, GA 30080

    Telephone #: 404-799-2142

\_\_\_\_\_

**II. Tract Information**

A. Total tract acreage: 82 acres of uneven aged mixed pine

B. Number of active clusters for which landowner has 100% cavity tree responsibility: 0

C. Number of active clusters for which landowner has partial cavity tree responsibility: 0

D. Number of active clusters for which landowner has 100% foraging habitat responsibility: 0

    Total Acreage Involved: 0

E. Number of active clusters for which landowner has partial foraging habitat responsibility: 0

    Total Acreage Involved: 0

F. Total number of acres enrolled in Safe Harbor: 82

G. Total basal area (10"DBH and larger stems) provided for RCWs: 0

H. Individual(s) who conducted RCW cavity tree surveys:

Georgia Pearson Phone # of primary contact: 404-799-2142

Bret Estep

Carlton Chambers

Jim Candler

I. Individual(s) who calculated foraging habitat analysis:

Georgia Pearson Phone # of primary contact: 404-799-2142

J. Based on the total tract size, current number of active clusters and the associated cluster and foraging habitat, current and/or expected future forest conditions, and the landowner's long-term land management objectives, are there opportunities to increase the RCW population on the tract?

Yes x No \_\_\_\_\_

If yes, and the tract is large enough to support at least 10 active clusters, is the landowner interested in considering serving as a mitigation bank?

Yes x No \_\_\_\_\_

**III. Non-Tract Information**

(Georgia DNR and/or USFWS will supply the majority of this information.)

A. Number of active clusters, not located on landowner's tract, for which landowner has partial foraging habitat responsibility: 0 Total acreage involved: 0

B. List all known RCW populations by: 1) tract/owner name; 2) # of active clusters (1 or more); and, 3) distance (to the closest mile), within 10 miles of landowner's property.

Population	_____	Size	_____	Distance	_____
Population	_____	Size	_____	Distance	_____
Population	_____	Size	_____	Distance	_____
Population	_____	Size	_____	Distance	_____
Population	_____	Size	_____	Distance	_____
Population	_____	Size	_____	Distance	_____

**IV. Enhancement Activities for Baseline RCW Groups**

A. How will hardwood basal area and midstory vegetation be controlled in RCW clusters? Check all that apply:

- \_\_\_\_\_ 1. Prescribed burning @ \_\_\_\_\_ to \_\_\_\_\_ year intervals
- \_\_\_\_\_ 2. Chemical treatments. List chemicals: \_\_\_\_\_
- \_\_\_\_\_ 3. Mechanical treatments. List methods: \_\_\_\_\_

B. How will hardwood basal area and midstory vegetation be controlled in RCW foraging habitat? Check all that apply:

- \_\_\_\_\_ 1. Prescribed burning @ \_\_\_\_\_ to \_\_\_\_\_ year intervals
- \_\_\_\_\_ 2. Chemical treatments. List chemicals: \_\_\_\_\_
- \_\_\_\_\_ 3. Mechanical treatments. List methods: \_\_\_\_\_

C. Additional baseline habitat enhancement activities:

\_\_\_ 1. Install artificial cavities in baseline clusters: \_\_\_ cavities in \_\_\_ clusters

**V. Other Enhancement Activities**

A. What additional management/conservation activities does landowner agree to conduct? Check all that apply:

\_\_\_ 1. Install artificial cavities in recruitment clusters  
\_\_\_ cavities in \_\_\_ clusters (at least 4 cavities must be installed in each recruitment cluster)

x 2. Control hardwood midstory outside currently designated RCW habitat

82 acres will be treated every 3 years

82 acres will be treated as needed

treatment will be by (check all that apply):

x prescribed fire x chemical \_\_\_ mechanical

x 3. Implement forest management practices that benefit RCWs, including:

\_\_\_ a. Increase rotation age

From \_\_\_ years to \_\_\_ years

\_\_\_ b. Restore stands to the right tree species (typically longleaf pine)

\_\_\_ acres will be restored

x c. Thin overstocked stands (90 basal area/acre and greater)

82 acres will be thinned

x 4. Provide opportunity for GADNR, USFWS, or third party to translocate juveniles from the tract to other properties (private, state, or federal). *Determinations must first be made by Georgia DNR and USFWS that this is a viable option for the landowner's RCW population; i.e., removal of juvenile RCWs will not result in adverse impacts to the population.*

**VI. Net Conservation Benefits to RCWs Expected as a Result of this Cooperative Agreement**

(Note: this section to be completed by Administrator)

The following net conservation benefits are expected as a result of implementing this Safe Harbor Cooperative Agreement and the associated baseline and other enhancement activities outlined above; benefits to be determined by Georgia DNR and USFWS. (check all that apply)

\_\_\_ A. Reduction of habitat fragmentation rates

\_\_\_ B. Maintenance of occupied habitat

x C. Restoration and/or enhancement of unoccupied habitat

\_\_\_ D. Increase in habitat connectivity

\_\_\_ E. Maintenance of current population size

\_\_\_ F. Increase of current population size

\_\_\_ G. Improvement of species population distribution

- \_\_\_\_\_ H. Reduction of the effects of catastrophic events
- \_\_\_\_\_ I. Increase in size, or rate of growth, of other populations (support or recovery)
- \_\_\_\_\_ J. Contribution to research knowledge, management techniques, and/or conservation strategies
- x \_\_\_\_\_ K. Other Maintain Possible Suitable Foraging Habitat

**VII. Implementation Plan**

Specify the time frames within which the landowner agrees to accomplish the baseline and other enhancement activities agreed upon in this evaluation form and in Appendix A and B of the Safe Harbor Agreement. For each activity, list the agreed upon dates to accomplish each action.

A. Baseline Activities

1. Activity	_____	Completion Date	_____
2. Activity	_____	Completion Date	_____
3. Activity	_____	Completion Date	_____
4. Activity	_____	Completion Date	_____
5. Activity	_____	Completion Date	_____
6. Activity	_____	Completion Date	_____
7. Activity	_____	Completion Date	_____
8. Activity	_____	Completion Date	_____
9. Activity	_____	Completion Date	_____
10. Activity	_____	Completion Date	_____

B. Enhancement Activities

1. Activity	<u>Controlled burning</u>	Completion Date	<u>Every 3 years</u>
2. Activity	<u>Hardwood control</u>	Completion Date	<u>As needed</u>
3. Activity	<u>Thinning overstocked stands</u>	Completion Date	<u>As needed</u>
4. Activity	_____	Completion Date	_____
5. Activity	_____	Completion Date	_____
6. Activity	_____	Completion Date	_____
7. Activity	_____	Completion Date	_____
8. Activity	_____	Completion Date	_____
9. Activity	_____	Completion Date	_____
10. Activity	_____	Completion Date	_____

Georgia Department of Natural Resources \_\_\_\_\_, Cooperator

By: \_\_\_\_\_

By: \_\_\_\_\_

Date: \_\_\_\_\_

Date: \_\_\_\_\_

**RED-COCKADED WOODPECKER  
SAFE HARBOR EVALUATION FORM  
for  
GEORGIA LANDOWNERS**

**I. Background Information**

A. Date of Evaluation: 2/16/2006

B. Tract Name: Plant Vogtle, Compartment 6, E200601

C. Tract Location

    1. County: Burke

    2. Tax Map #: \_\_\_\_\_

    3. Latitude: \_\_\_\_\_ Longitude: \_\_\_\_\_

D. Tract Owner Name: Georgia Power Co.

    Address: 241 Ralph McGill Blvd.  
Atlanta, GA 30308

    Telephone #: 404-799-2142 Fax #: 404-799-2141

E. Contact Person: Georgia Pearson

    Check one: Owner  Manager  Employee

    Address: 5131 Maner Rd  
Smyrna, GA 30080

    Telephone #: 404-799-2142

\_\_\_\_\_

**II. Tract Information**

A. Total tract acreage: 60 acres of 45 year old longleaf pine

B. Number of active clusters for which landowner has 100% cavity tree responsibility: 0

C. Number of active clusters for which landowner has partial cavity tree responsibility: 0

D. Number of active clusters for which landowner has 100% foraging habitat responsibility: 0

    Total Acreage Involved: 0

E. Number of active clusters for which landowner has partial foraging habitat responsibility: 0

    Total Acreage Involved: 0

F. Total number of acres enrolled in Safe Harbor: 60

G. Total basal area (10"DBH and larger stems) provided for RCWs: 0

H. Individual(s) who conducted RCW cavity tree surveys:

Georgia Pearson Phone # of primary contact: 404-799-2142

Bret Estep

Carlton Chambers

Jim Candler

I. Individual(s) who calculated foraging habitat analysis:

Georgia Pearson Phone # of primary contact: 404-799-2142

J. Based on the total tract size, current number of active clusters and the associated cluster and foraging habitat, current and/or expected future forest conditions, and the landowner's long-term land management objectives, are there opportunities to increase the RCW population on the tract?

Yes x No \_\_\_\_\_

If yes, and the tract is large enough to support at least 10 active clusters, is the landowner interested in considering serving as a mitigation bank?

Yes x No \_\_\_\_\_

**III. Non-Tract Information**

(Georgia DNR and/or USFWS will supply the majority of this information.)

A. Number of active clusters, not located on landowner's tract, for which landowner has partial foraging habitat responsibility: 0 Total acreage involved: 0

B. List all known RCW populations by: 1) tract/owner name; 2) # of active clusters (1 or more); and, 3) distance (to the closest mile), within 10 miles of landowner's property.

Population _____	Size _____	Distance _____
Population _____	Size _____	Distance _____
Population _____	Size _____	Distance _____
Population _____	Size _____	Distance _____
Population _____	Size _____	Distance _____
Population _____	Size _____	Distance _____

**IV. Enhancement Activities for Baseline RCW Groups**

A. How will hardwood basal area and midstory vegetation be controlled in RCW clusters? Check all that apply:

- \_\_\_\_\_ 1. Prescribed burning @ \_\_\_\_\_ to \_\_\_\_\_ year intervals
- \_\_\_\_\_ 2. Chemical treatments. List chemicals: \_\_\_\_\_
- \_\_\_\_\_ 3. Mechanical treatments. List methods: \_\_\_\_\_

B. How will hardwood basal area and midstory vegetation be controlled in RCW foraging habitat? Check all that apply:

- \_\_\_\_\_ 1. Prescribed burning @ \_\_\_\_\_ to \_\_\_\_\_ year intervals
- \_\_\_\_\_ 2. Chemical treatments. List chemicals: \_\_\_\_\_
- \_\_\_\_\_ 3. Mechanical treatments. List methods: \_\_\_\_\_



C. Additional baseline habitat enhancement activities:

\_\_\_ 1. Install artificial cavities in baseline clusters: \_\_\_ cavities in \_\_\_ clusters

**V. Other Enhancement Activities**

A. What additional management/conservation activities does landowner agree to conduct? Check all that apply:

\_\_\_ 1. Install artificial cavities in recruitment clusters  
\_\_\_ cavities in \_\_\_ clusters (at least 4 cavities must be installed in each recruitment cluster)

x 2. Control hardwood midstory outside currently designated RCW habitat

60 acres will be treated every 3 years

60 acres will be treated as needed

treatment will be by (check all that apply):

x prescribed fire x chemical \_\_\_ mechanical

x 3. Implement forest management practices that benefit RCWs, including:

\_\_\_ a. Increase rotation age

From \_\_\_ years to \_\_\_ years

\_\_\_ b. Restore stands to the right tree species (typically longleaf pine)

\_\_\_ acres will be restored

x c. Thin overstocked stands (90 basal area/acre and greater)

60 acres will be thinned

x 4. Provide opportunity for GADNR, USFWS, or third party to translocate juveniles from the tract to other properties (private, state, or federal). *Determinations must first be made by Georgia DNR and USFWS that this is a viable option for the landowner's RCW population; i.e., removal of juvenile RCWs will not result in adverse impacts to the population.*

**VI. Net Conservation Benefits to RCWs Expected as a Result of this Cooperative Agreement**

(Note: this section to be completed by Administrator)

The following net conservation benefits are expected as a result of implementing this Safe Harbor Cooperative Agreement and the associated baseline and other enhancement activities outlined above; benefits to be determined by Georgia DNR and USFWS. (check all that apply)

\_\_\_ A. Reduction of habitat fragmentation rates

\_\_\_ B. Maintenance of occupied habitat

x C. Restoration and/or enhancement of unoccupied habitat

\_\_\_ D. Increase in habitat connectivity

\_\_\_ E. Maintenance of current population size

\_\_\_ F. Increase of current population size

\_\_\_ G. Improvement of species population distribution

- \_\_\_\_\_ H. Reduction of the effects of catastrophic events
- \_\_\_\_\_ I. Increase in size, or rate of growth, of other populations (support or recovery)
- \_\_\_\_\_ J. Contribution to research knowledge, management techniques, and/or conservation strategies
- x \_\_\_\_\_ K. Other Maintain Possible Suitable Foraging Habitat

**VII. Implementation Plan**

Specify the time frames within which the landowner agrees to accomplish the baseline and other enhancement activities agreed upon in this evaluation form and in Appendix A and B of the Safe Harbor Agreement. For each activity, list the agreed upon dates to accomplish each action.

A. Baseline Activities

1. Activity	_____	Completion Date	_____
2. Activity	_____	Completion Date	_____
3. Activity	_____	Completion Date	_____
4. Activity	_____	Completion Date	_____
5. Activity	_____	Completion Date	_____
6. Activity	_____	Completion Date	_____
7. Activity	_____	Completion Date	_____
8. Activity	_____	Completion Date	_____
9. Activity	_____	Completion Date	_____
10. Activity	_____	Completion Date	_____

B. Enhancement Activities

1. Activity	<u>Controlled burning</u>	Completion Date	<u>Every 3 years</u>
2. Activity	<u>Hardwood control</u>	Completion Date	<u>As needed</u>
3. Activity	<u>Thinning overstocked stands</u>	Completion Date	<u>As needed</u>
4. Activity	_____	Completion Date	_____
5. Activity	_____	Completion Date	_____
6. Activity	_____	Completion Date	_____
7. Activity	_____	Completion Date	_____
8. Activity	_____	Completion Date	_____
9. Activity	_____	Completion Date	_____
10. Activity	_____	Completion Date	_____

Georgia Department of Natural Resources \_\_\_\_\_, Cooperator

By: \_\_\_\_\_

By: \_\_\_\_\_

Date: \_\_\_\_\_

Date: \_\_\_\_\_

**RED-COCKADED WOODPECKER  
SAFE HARBOR EVALUATION FORM  
for  
GEORGIA LANDOWNERS**

**I. Background Information**

A. Date of Evaluation: 2/16/2006

B. Tract Name: Plant Vogtle, Boat Ramp, E553101

C. Tract Location

    1. County: Burke

    2. Tax Map #: \_\_\_\_\_

    3. Latitude: \_\_\_\_\_ Longitude: \_\_\_\_\_

D. Tract Owner Name: Georgia Power Co.

    Address: 241 Ralph McGill Blvd NE  
Atlanta, GA 30308

    Telephone #: 404-799-2142 Fax #: 404-799-2141

E. Contact Person: Georgia Pearson

    Check one: Owner  Manager  Employee

    Address: 5131 Maner Rd.  
Smyrna, GA 30080

    Telephone #: 404-799-2142

**II. Tract Information**

A. Total tract acreage: 48 acres of 33 year old slash

B. Number of active clusters for which landowner has 100% cavity tree responsibility: 0

C. Number of active clusters for which landowner has partial cavity tree responsibility: 0

D. Number of active clusters for which landowner has 100% foraging habitat responsibility: 0

    Total Acreage Involved: 0

E. Number of active clusters for which landowner has partial foraging habitat responsibility: 0

    Total Acreage Involved: 0

F. Total number of acres enrolled in Safe Harbor: 48

G. Total basal area (10"DBH and larger stems) provided for RCWs: 0

H. Individual(s) who conducted RCW cavity tree surveys:

Georgia Pearson Phone # of primary contact: 404-799-2142

Bret Estep

Carlton Chambers

Jim Candler

I. Individual(s) who calculated foraging habitat analysis:

Georgia Pearson Phone # of primary contact: 404-799-2142

    \_\_\_\_\_

J. Based on the total tract size, current number of active clusters and the associated cluster and foraging habitat, current and/or expected future forest conditions, and the landowner's long-term land management objectives, are there opportunities to increase the RCW population on the tract?

Yes  x  No

If yes, and the tract is large enough to support at least 10 active clusters, is the landowner interested in considering serving as a mitigation bank?

Yes  x  No

### III. Non-Tract Information

(Georgia DNR and/or USFWS will supply the majority of this information.)

A. Number of active clusters, not located on landowner's tract, for which landowner has partial foraging habitat responsibility:  0  Total acreage involved:  0

B. List all known RCW populations by: 1) tract/owner name; 2) # of active clusters (1 or more); and, 3) distance (to the closest mile), within 10 miles of landowner's property.

Population	_____	Size	_____	Distance	_____
Population	_____	Size	_____	Distance	_____
Population	_____	Size	_____	Distance	_____
Population	_____	Size	_____	Distance	_____
Population	_____	Size	_____	Distance	_____
Population	_____	Size	_____	Distance	_____

### IV. Enhancement Activities for Baseline RCW Groups

A. How will hardwood basal area and midstory vegetation be controlled in RCW clusters? Check all that apply:

1. Prescribed burning @   to   year intervals

2. Chemical treatments. List chemicals: \_\_\_\_\_

3. Mechanical treatments. List methods: \_\_\_\_\_

B. How will hardwood basal area and midstory vegetation be controlled in RCW foraging habitat? Check all that apply:

1. Prescribed burning @   to   year intervals

2. Chemical treatments. List chemicals: \_\_\_\_\_

3. Mechanical treatments. List methods: \_\_\_\_\_

C. Additional baseline habitat enhancement activities:

1. Install artificial cavities in baseline clusters:   cavities in   clusters

## **V. Other Enhancement Activities**

A. What additional management/conservation activities does landowner agree to conduct? Check all that apply:

1. Install artificial cavities in recruitment clusters  
 cavities in  clusters (at least 4 cavities must be installed in each recruitment cluster)
2. Control hardwood midstory outside currently designated RCW habitat  
 48 acres will be treated every  3 years  
 48 acres will be treated as needed  
treatment will be by (check all that apply):  
 prescribed fire  chemical  mechanical
3. Implement forest management practices that benefit RCWs, including:
- a. Increase rotation age  
From  years to  years
- b. Restore stands to the right tree species (typically longleaf pine)  
 acres will be restored
- c. Thin overstocked stands (90 basal area/acre and greater)  
 48 acres will be thinned
4. Provide opportunity for GADNR, USFWS, or third party to translocate juveniles from the tract to other properties (private, state, or federal). *Determinations must first be made by Georgia DNR and USFWS that this is a viable option for the landowner's RCW population; i.e., removal of juvenile RCWs will not result in adverse impacts to the population.*

## **VI. Net Conservation Benefits to RCWs Expected as a Result of this Cooperative Agreement**

(Note: this section to be completed by Administrator)

The following net conservation benefits are expected as a result of implementing this Safe Harbor Cooperative Agreement and the associated baseline and other enhancement activities outlined above; benefits to be determined by Georgia DNR and USFWS. (check all that apply)

- A. Reduction of habitat fragmentation rates
- B. Maintenance of occupied habitat
- C. Restoration and/or enhancement of unoccupied habitat
- D. Increase in habitat connectivity
- E. Maintenance of current population size
- F. Increase of current population size
- G. Improvement of species population distribution
- H. Reduction of the effects of catastrophic events
- I. Increase in size, or rate of growth, of other populations (support or recovery)
- J. Contribution to research knowledge, management techniques, and/or conservation strategies

**VII. Implementation Plan**

Specify the time frames within which the landowner agrees to accomplish the baseline and other enhancement activities agreed upon in this evaluation form and in Appendix A and B of the Safe Harbor Agreement. For each activity, list the agreed upon dates to accomplish each action.

A. Baseline Activities

1. Activity	_____	Completion Date	_____
2. Activity	_____	Completion Date	_____
3. Activity	_____	Completion Date	_____
4. Activity	_____	Completion Date	_____
5. Activity	_____	Completion Date	_____
6. Activity	_____	Completion Date	_____
7. Activity	_____	Completion Date	_____
8. Activity	_____	Completion Date	_____
9. Activity	_____	Completion Date	_____
10. Activity	_____	Completion Date	_____

B. Enhancement Activities

1. Activity	<u>Stand thinning</u>	Completion Date	<u>2006</u>
2. Activity	<u>Harvest Year</u>	Completion Date	<u>2012</u>
3. Activity	<u>Controlled burning</u>	Completion Date	<u>Every 3 years</u>
4. Activity	<u>Hardwood control</u>	Completion Date	<u>As needed</u>
5. Activity	<u>Thinning overstocked stands</u>	Completion Date	<u>As needed</u>
6. Activity	_____	Completion Date	_____
7. Activity	_____	Completion Date	_____
8. Activity	_____	Completion Date	_____
9. Activity	_____	Completion Date	_____
10. Activity	_____	Completion Date	_____

Georgia Department of Natural Resources \_\_\_\_\_, Cooperator

By: \_\_\_\_\_

By: \_\_\_\_\_

Date: \_\_\_\_\_

Date: \_\_\_\_\_

**RED-COCKADED WOODPECKER  
SAFE HARBOR EVALUATION FORM  
for  
GEORGIA LANDOWNERS**

**I. Background Information**

A. Date of Evaluation: 2/16/2006

B. Tract Name: Plant Vogtle, Boat Ramp, E553102

C. Tract Location

1. County: Burke

2. Tax Map #: \_\_\_\_\_

3. Latitude: \_\_\_\_\_ Longitude: \_\_\_\_\_

D. Tract Owner Name: Georgia Power Co.

Address: 241 Ralph McGill Blvd NE  
Atlanta, GA 30308

Telephone #: 404-799-2142 Fax #: 404-799-2141

E. Contact Person: Georgia Pearson

Check one: Owner  Manager  Employee

Address: 5131 Maner Rd.  
Smyrna, GA 30080

Telephone #: 404-799-2142

**II. Tract Information**

A. Total tract acreage: 54 acres of 2 year old loblolly

B. Number of active clusters for which landowner has 100% cavity tree responsibility: 0

C. Number of active clusters for which landowner has partial cavity tree responsibility: 0

D. Number of active clusters for which landowner has 100% foraging habitat responsibility: 0

Total Acreage Involved: 0

E. Number of active clusters for which landowner has partial foraging habitat responsibility: 0

Total Acreage Involved: 0

F. Total number of acres enrolled in Safe Harbor: 54

G. Total basal area (10"DBH and larger stems) provided for RCWs 0

H. Individual(s) who conducted RCW cavity tree surveys:

Georgia Pearson Phone # of primary contact: 404-799-2142

Bret Estep

Carlton Chambers

Jim Candler

I. Individual(s) who calculated foraging habitat analysis:

Georgia Pearson Phone # of primary contact: 404-799-2142

\_\_\_\_\_

J. Based on the total tract size, current number of active clusters and the associated cluster and foraging habitat, current and/or expected future forest conditions, and the landowner's long-term land management objectives, are there opportunities to increase the RCW population on the tract?

Yes  x  No  \_\_\_\_\_

If yes, and the tract is large enough to support at least 10 active clusters, is the landowner interested in considering serving as a mitigation bank?

Yes  x  No  \_\_\_\_\_

**III. Non-Tract Information**

(Georgia DNR and/or USFWS will supply the majority of this information.)

A. Number of active clusters, not located on landowner's tract, for which landowner has partial foraging habitat responsibility:  0  Total acreage involved:  0

B. List all known RCW populations by: 1) tract/owner name; 2) # of active clusters (1 or more); and, 3) distance (to the closest mile), within 10 miles of landowner's property.

Population	_____	Size	_____	Distance	_____
Population	_____	Size	_____	Distance	_____
Population	_____	Size	_____	Distance	_____
Population	_____	Size	_____	Distance	_____
Population	_____	Size	_____	Distance	_____
Population	_____	Size	_____	Distance	_____

**IV. Enhancement Activities for Baseline RCW Groups**

A. How will hardwood basal area and midstory vegetation be controlled in RCW clusters? Check all that apply:

- 1. Prescribed burning @      to      year intervals
- 2. Chemical treatments. List chemicals: \_\_\_\_\_
- 3. Mechanical treatments. List methods: \_\_\_\_\_

B. How will hardwood basal area and midstory vegetation be controlled in RCW foraging habitat? Check all that apply:

- 1. Prescribed burning @      to      year intervals
- 2. Chemical treatments. List chemicals: \_\_\_\_\_
- 3. Mechanical treatments. List methods: \_\_\_\_\_

C. Additional baseline habitat enhancement activities:

- 1. Install artificial cavities in baseline clusters:      cavities in      clusters



## **V. Other Enhancement Activities**

A. What additional management/conservation activities does landowner agree to conduct? Check all that apply:

1. Install artificial cavities in recruitment clusters  
 cavities in  clusters (at least 4 cavities must be installed in each recruitment cluster)
2. Control hardwood midstory outside currently designated RCW habitat  
 54 acres will be treated every  3 years  
 54 acres will be treated as needed  
treatment will be by (check all that apply):  
 prescribed fire  chemical  mechanical
3. Implement forest management practices that benefit RCWs, including:
- a. Increase rotation age  
From  years to  years
- b. Restore stands to the right tree species (typically longleaf pine)  
 acres will be restored
- c. Thin overstocked stands (90 basal area/acre and greater)  
 54 acres will be thinned
4. Provide opportunity for GADNR, USFWS, or third party to translocate juveniles from the tract to other properties (private, state, or federal). *Determinations must first be made by Georgia DNR and USFWS that this is a viable option for the landowner's RCW population; i.e., removal of juvenile RCWs will not result in adverse impacts to the population.*

## **VI. Net Conservation Benefits to RCWs Expected as a Result of this Cooperative Agreement**

(Note: this section to be completed by Administrator)

The following net conservation benefits are expected as a result of implementing this Safe Harbor Cooperative Agreement and the associated baseline and other enhancement activities outlined above; benefits to be determined by Georgia DNR and USFWS. (check all that apply)

- A. Reduction of habitat fragmentation rates
- B. Maintenance of occupied habitat
- C. Restoration and/or enhancement of unoccupied habitat
- D. Increase in habitat connectivity
- E. Maintenance of current population size
- F. Increase of current population size
- G. Improvement of species population distribution
- H. Reduction of the effects of catastrophic events
- I. Increase in size, or rate of growth, of other populations (support or recovery)
- J. Contribution to research knowledge, management techniques, and/or conservation strategies

**VII. Implementation Plan**

Specify the time frames within which the landowner agrees to accomplish the baseline and other enhancement activities agreed upon in this evaluation form and in Appendix A and B of the Safe Harbor Agreement. For each activity, list the agreed upon dates to accomplish each action.

A. Baseline Activities

1. Activity	_____	Completion Date	_____
2. Activity	_____	Completion Date	_____
3. Activity	_____	Completion Date	_____
4. Activity	_____	Completion Date	_____
5. Activity	_____	Completion Date	_____
6. Activity	_____	Completion Date	_____
7. Activity	_____	Completion Date	_____
8. Activity	_____	Completion Date	_____
9. Activity	_____	Completion Date	_____
10. Activity	_____	Completion Date	_____

B. Enhancement Activities

1. Activity	<u>Stand thinning</u>	Completion Date	<u>2019</u>
2. Activity	<u>Harvest Year</u>	Completion Date	<u>2049</u>
3. Activity	<u>Controlled burning</u>	Completion Date	<u>Every 3 years</u>
4. Activity	<u>Hardwood control</u>	Completion Date	<u>As needed</u>
5. Activity	<u>Thinning overstocked stands</u>	Completion Date	<u>As needed</u>
6. Activity	_____	Completion Date	_____
7. Activity	_____	Completion Date	_____
8. Activity	_____	Completion Date	_____
9. Activity	_____	Completion Date	_____
10. Activity	_____	Completion Date	_____

Georgia Department of Natural Resources \_\_\_\_\_, Cooperator

By: \_\_\_\_\_

By: \_\_\_\_\_

Date: \_\_\_\_\_

Date: \_\_\_\_\_

**RED-COCKADED WOODPECKER  
SAFE HARBOR EVALUATION FORM  
for  
GEORGIA LANDOWNERS**

**I. Background Information**

A. Date of Evaluation: 2/16/2006

B. Tract Name: Plant Vogtle, Boat Ramp, E553103

C. Tract Location

    1. County: Burke

    2. Tax Map #: \_\_\_\_\_

    3. Latitude: \_\_\_\_\_ Longitude: \_\_\_\_\_

D. Tract Owner Name: Georgia Power Co.

    Address: 241 Ralph McGill Blvd NE  
Atlanta, GA 30308

    Telephone #: 404-799-2142 Fax #: 404-799-2141

E. Contact Person: Georgia Pearson

    Check one: Owner  Manager  Employee

    Address: 5131 Maner Rd.  
Smyrna, GA 30080

    Telephone #: 404-799-2142

**II. Tract Information**

A. Total tract acreage: 23 acres of 49 year old mixed pines

B. Number of active clusters for which landowner has 100% cavity tree responsibility: 0

C. Number of active clusters for which landowner has partial cavity tree responsibility: 0

D. Number of active clusters for which landowner has 100% foraging habitat responsibility: 0

    Total Acreage Involved: 0

E. Number of active clusters for which landowner has partial foraging habitat responsibility: 0

    Total Acreage Involved: 0

F. Total number of acres enrolled in Safe Harbor: 23

G. Total basal area (10"DBH and larger stems) provided for RCWs 0

H. Individual(s) who conducted RCW cavity tree surveys:

Georgia Pearson Phone # of primary contact: 404-799-2142

Bret Estep

Carlton Chambers

Jim Candler

I. Individual(s) who calculated foraging habitat analysis:

Georgia Pearson Phone # of primary contact: 404-799-2142

    \_\_\_\_\_

J. Based on the total tract size, current number of active clusters and the associated cluster and foraging habitat, current and/or expected future forest conditions, and the landowner's long-term land management objectives, are there opportunities to increase the RCW population on the tract?

Yes  x  No

If yes, and the tract is large enough to support at least 10 active clusters, is the landowner interested in considering serving as a mitigation bank?

Yes  x  No

### III. Non-Tract Information

(Georgia DNR and/or USFWS will supply the majority of this information.)

A. Number of active clusters, not located on landowner's tract, for which landowner has partial foraging habitat responsibility:  0  Total acreage involved:  0

B. List all known RCW populations by: 1) tract/owner name; 2) # of active clusters (1 or more); and, 3) distance (to the closest mile), within 10 miles of landowner's property.

Population	_____	Size	_____	Distance	_____
Population	_____	Size	_____	Distance	_____
Population	_____	Size	_____	Distance	_____
Population	_____	Size	_____	Distance	_____
Population	_____	Size	_____	Distance	_____
Population	_____	Size	_____	Distance	_____

### IV. Enhancement Activities for Baseline RCW Groups

A. How will hardwood basal area and midstory vegetation be controlled in RCW clusters? Check all that apply:

- \_\_\_\_\_ 1. Prescribed burning @   to   year intervals
- \_\_\_\_\_ 2. Chemical treatments. List chemicals: \_\_\_\_\_
- \_\_\_\_\_ 3. Mechanical treatments. List methods: \_\_\_\_\_

B. How will hardwood basal area and midstory vegetation be controlled in RCW foraging habitat? Check all that apply:

- \_\_\_\_\_ 1. Prescribed burning @   to   year intervals
- \_\_\_\_\_ 2. Chemical treatments. List chemicals: \_\_\_\_\_
- \_\_\_\_\_ 3. Mechanical treatments. List methods: \_\_\_\_\_

C. Additional baseline habitat enhancement activities:

- \_\_\_\_\_ 1. Install artificial cavities in baseline clusters:   cavities in   clusters

## **V. Other Enhancement Activities**

A. What additional management/conservation activities does landowner agree to conduct? Check all that apply:

1. Install artificial cavities in recruitment clusters  
 cavities in  clusters (at least 4 cavities must be installed in each recruitment cluster)
2. Control hardwood midstory outside currently designated RCW habitat  
 23 acres will be treated every  3 years  
 23 acres will be treated as needed  
treatment will be by (check all that apply):  
 prescribed fire  chemical  mechanical
3. Implement forest management practices that benefit RCWs, including:
- a. Increase rotation age  
From  years to  years
- b. Restore stands to the right tree species (typically longleaf pine)  
 acres will be restored
- c. Thin overstocked stands (90 basal area/acre and greater)  
 23 acres will be thinned
4. Provide opportunity for GADNR, USFWS, or third party to translocate juveniles from the tract to other properties (private, state, or federal). *Determinations must first be made by Georgia DNR and USFWS that this is a viable option for the landowner's RCW population; i.e., removal of juvenile RCWs will not result in adverse impacts to the population.*

## **VI. Net Conservation Benefits to RCWs Expected as a Result of this Cooperative Agreement**

(Note: this section to be completed by Administrator)

The following net conservation benefits are expected as a result of implementing this Safe Harbor Cooperative Agreement and the associated baseline and other enhancement activities outlined above; benefits to be determined by Georgia DNR and USFWS. (check all that apply)

- A. Reduction of habitat fragmentation rates
- B. Maintenance of occupied habitat
- C. Restoration and/or enhancement of unoccupied habitat
- D. Increase in habitat connectivity
- E. Maintenance of current population size
- F. Increase of current population size
- G. Improvement of species population distribution
- H. Reduction of the effects of catastrophic events
- I. Increase in size, or rate of growth, of other populations (support or recovery)
- J. Contribution to research knowledge, management techniques, and/or conservation strategies

**VII. Implementation Plan**

Specify the time frames within which the landowner agrees to accomplish the baseline and other enhancement activities agreed upon in this evaluation form and in Appendix A and B of the Safe Harbor Agreement. For each activity, list the agreed upon dates to accomplish each action.

A. Baseline Activities

1. Activity	Completion Date
_____	_____
2. Activity	Completion Date
_____	_____
3. Activity	Completion Date
_____	_____
4. Activity	Completion Date
_____	_____
5. Activity	Completion Date
_____	_____
6. Activity	Completion Date
_____	_____
7. Activity	Completion Date
_____	_____
8. Activity	Completion Date
_____	_____
9. Activity	Completion Date
_____	_____
10. Activity	Completion Date
_____	_____

B. Enhancement Activities

	Completion Date
2. Activity <u>Thinning Year</u>	Completion Date <u>1999</u>
3. Activity <u>Harvest Year</u>	Completion Date <u>Uneven</u>
4. Activity <u>Controlled burning</u>	Completion Date <u>Every 3 years</u>
5. Activity <u>Hardwood control</u>	Completion Date <u>As needed</u>
6. Activity <u>Thinning overstocked stands</u>	Completion Date <u>As needed</u>
7. Activity _____	Completion Date _____
8. Activity _____	Completion Date _____
9. Activity _____	Completion Date _____
10. Activity _____	Completion Date _____

Georgia Department of Natural Resources \_\_\_\_\_, Cooperator

By: \_\_\_\_\_

By: \_\_\_\_\_

Date: \_\_\_\_\_

Date: \_\_\_\_\_

**RED-COCKADED WOODPECKER  
SAFE HARBOR EVALUATION FORM  
for  
GEORGIA LANDOWNERS**

**I. Background Information**

A. Date of Evaluation: 2/16/2006

B. Tract Name: Plant Vogtle, Boat Ramp, E553104

C. Tract Location

1. County: Burke

2. Tax Map #: \_\_\_\_\_

3. Latitude: \_\_\_\_\_ Longitude: \_\_\_\_\_

D. Tract Owner Name: Georgia Power Co.

Address: 241 Ralph McGill Blvd NE  
Atlanta, GA 30308

Telephone #: 404-799-2142 Fax #: 404-799-2141

E. Contact Person: Georgia Pearson

Check one: Owner  Manager  Employee

Address: 5131 Maner Rd.  
Smyrna, GA 30080

Telephone #: 404-799-2142

**II. Tract Information**

A. Total tract acreage: 63 acres of 51 year old longleaf pines

B. Number of active clusters for which landowner has 100% cavity tree responsibility: 0

C. Number of active clusters for which landowner has partial cavity tree responsibility: 0

D. Number of active clusters for which landowner has 100% foraging habitat responsibility: 0

Total Acreage Involved: 0

E. Number of active clusters for which landowner has partial foraging habitat responsibility: 0

Total Acreage Involved: 0

F. Total number of acres enrolled in Safe Harbor: 63

G. Total basal area (10"DBH and larger stems) provided for RCWs 0

H. Individual(s) who conducted RCW cavity tree surveys:

Georgia Pearson Phone # of primary contact: 404-799-2142

Bret Estep

Carlton Chambers

Jim Candler

I. Individual(s) who calculated foraging habitat analysis:

Georgia Pearson Phone # of primary contact: 404-799-2142

\_\_\_\_\_

J. Based on the total tract size, current number of active clusters and the associated cluster and foraging habitat, current and/or expected future forest conditions, and the landowner's long-term land management objectives, are there opportunities to increase the RCW population on the tract?

Yes  x  No  \_\_\_\_\_

If yes, and the tract is large enough to support at least 10 active clusters, is the landowner interested in considering serving as a mitigation bank?

Yes  x  No  \_\_\_\_\_

**III. Non-Tract Information**

(Georgia DNR and/or USFWS will supply the majority of this information.)

A. Number of active clusters, not located on landowner's tract, for which landowner has partial foraging habitat responsibility:  0  Total acreage involved:  0

B. List all known RCW populations by: 1) tract/owner name; 2) # of active clusters (1 or more); and, 3) distance (to the closest mile), within 10 miles of landowner's property.

Population	_____	Size	_____	Distance	_____
Population	_____	Size	_____	Distance	_____
Population	_____	Size	_____	Distance	_____
Population	_____	Size	_____	Distance	_____
Population	_____	Size	_____	Distance	_____
Population	_____	Size	_____	Distance	_____

**IV. Enhancement Activities for Baseline RCW Groups**

A. How will hardwood basal area and midstory vegetation be controlled in RCW clusters? Check all that apply:

- 1. Prescribed burning @      to      year intervals
- 2. Chemical treatments. List chemicals: \_\_\_\_\_
- 3. Mechanical treatments. List methods: \_\_\_\_\_

B. How will hardwood basal area and midstory vegetation be controlled in RCW foraging habitat? Check all that apply:

- 1. Prescribed burning @      to      year intervals
- 2. Chemical treatments. List chemicals: \_\_\_\_\_
- 3. Mechanical treatments. List methods: \_\_\_\_\_

C. Additional baseline habitat enhancement activities:



\_\_\_ 1. Install artificial cavities in baseline clusters: \_\_\_ cavities in \_\_\_ clusters

### **V. Other Enhancement Activities**

A. What additional management/conservation activities does landowner agree to conduct? Check all that apply:

\_\_\_ 1. Install artificial cavities in recruitment clusters  
\_\_\_ cavities in \_\_\_ clusters (at least 4 cavities must be installed in each recruitment cluster)

x 2. Control hardwood midstory outside currently designated RCW habitat

63 acres will be treated every 3 years

63 acres will be treated as needed

treatment will be by (check all that apply):

x prescribed fire x chemical \_\_\_ mechanical

x 3. Implement forest management practices that benefit RCWs, including:

\_\_\_ a. Increase rotation age

From \_\_\_ years to \_\_\_ years

\_\_\_ b. Restore stands to the right tree species (typically longleaf pine)

\_\_\_ acres will be restored

x c. Thin overstocked stands (90 basal area/acre and greater)

63 acres will be thinned

\_\_\_ 4. Provide opportunity for GADNR, USFWS, or third party to translocate juveniles from the tract to other properties (private, state, or federal). *Determinations must first be made by Georgia DNR and USFWS that this is a viable option for the landowner's RCW population; i.e., removal of juvenile RCWs will not result in adverse impacts to the population.*

### **VI. Net Conservation Benefits to RCWs Expected as a Result of this Cooperative Agreement**

(Note: this section to be completed by Administrator)

The following net conservation benefits are expected as a result of implementing this Safe Harbor Cooperative Agreement and the associated baseline and other enhancement activities outlined above; benefits to be determined by Georgia DNR and USFWS. (check all that apply)

\_\_\_ A. Reduction of habitat fragmentation rates

\_\_\_ B. Maintenance of occupied habitat

x C. Restoration and/or enhancement of unoccupied habitat

\_\_\_ D. Increase in habitat connectivity

\_\_\_ E. Maintenance of current population size

\_\_\_ F. Increase of current population size

\_\_\_ G. Improvement of species population distribution

\_\_\_ H. Reduction of the effects of catastrophic events

- I. Increase in size, or rate of growth, of other populations (support or recovery)
- J. Contribution to research knowledge, management techniques, and/or conservation strategies
- X   K. Other        Maintain Possible Suitable Foraging Habitat

**VII. Implementation Plan**

Specify the time frames within which the landowner agrees to accomplish the baseline and other enhancement activities agreed upon in this evaluation form and in Appendix A and B of the Safe Harbor Agreement. For each activity, list the agreed upon dates to accomplish each action.

A. Baseline Activities

1. Activity	_____	Completion Date	_____
2. Activity	_____	Completion Date	_____
3. Activity	_____	Completion Date	_____
4. Activity	_____	Completion Date	_____
5. Activity	_____	Completion Date	_____
6. Activity	_____	Completion Date	_____
7. Activity	_____	Completion Date	_____
8. Activity	_____	Completion Date	_____
9. Activity	_____	Completion Date	_____
10. Activity	_____	Completion Date	_____

B. Enhancement Activities

1. Activity	<u>Thinning Year</u>	Completion Date	<u>1999</u>
2. Activity	<u>Harvest Year</u>	Completion Date	<u>Uneven</u>
3. Activity	<u>Controlled burning</u>	Completion Date	<u>Every 3 years</u>
4. Activity	<u>Hardwood control</u>	Completion Date	<u>As needed</u>
5. Activity	<u>Thinning overstocked stands</u>	Completion Date	<u>As needed</u>
6. Activity	_____	Completion Date	_____
7. Activity	_____	Completion Date	_____
8. Activity	_____	Completion Date	_____
9. Activity	_____	Completion Date	_____
10. Activity	_____	Completion Date	_____

Georgia Department of Natural Resources \_\_\_\_\_, Cooperator

By: \_\_\_\_\_

By: \_\_\_\_\_

Date: \_\_\_\_\_

Date: \_\_\_\_\_

**RED-COCKADED WOODPECKER  
SAFE HARBOR EVALUATION FORM  
for  
GEORGIA LANDOWNERS**

**I. Background Information**

A. Date of Evaluation: 2/16/2006

B. Tract Name: Plant Vogtle, Boat Ramp, E553105

C. Tract Location

    1. County: Burke

    2. Tax Map #: \_\_\_\_\_

    3. Latitude: \_\_\_\_\_ Longitude: \_\_\_\_\_

D. Tract Owner Name: Georgia Power Co.

    Address: 241 Ralph McGill Blvd NE  
Atlanta, GA 30308

    Telephone #: 404-799-2142 Fax #: 404-799-2141

E. Contact Person: Georgia Pearson

    Check one: Owner  Manager  Employee

    Address: 5131 Maner Rd.  
Smyrna, GA 30080

    Telephone #: 404-799-2142

**II. Tract Information**

A. Total tract acreage: 9 acres of 50 year old longleaf pines

B. Number of active clusters for which landowner has 100% cavity tree responsibility: 0

C. Number of active clusters for which landowner has partial cavity tree responsibility: 0

D. Number of active clusters for which landowner has 100% foraging habitat responsibility: 0

    Total Acreage Involved: 0

E. Number of active clusters for which landowner has partial foraging habitat responsibility: 0

    Total Acreage Involved: 0

F. Total number of acres enrolled in Safe Harbor: 9

G. Total basal area (10"DBH and larger stems) provided for RCWs 0

H. Individual(s) who conducted RCW cavity tree surveys:

Georgia Pearson Phone # of primary contact: 404-799-2142

Bret Estep

Carlton Chambers

Jim Candler

I. Individual(s) who calculated foraging habitat analysis:

Georgia Pearson Phone # of primary contact: 404-799-2142

    \_\_\_\_\_

J. Based on the total tract size, current number of active clusters and the associated cluster and foraging habitat, current and/or expected future forest conditions, and the landowner's long-term land management objectives, are there opportunities to increase the RCW population on the tract?

Yes  x  No

If yes, and the tract is large enough to support at least 10 active clusters, is the landowner interested in considering serving as a mitigation bank?

Yes  x  No

### III. Non-Tract Information

(Georgia DNR and/or USFWS will supply the majority of this information.)

A. Number of active clusters, not located on landowner's tract, for which landowner has partial foraging habitat responsibility:  0  Total acreage involved:  0

B. List all known RCW populations by: 1) tract/owner name; 2) # of active clusters (1 or more); and, 3) distance (to the closest mile), within 10 miles of landowner's property.

Population	_____	Size	_____	Distance	_____
Population	_____	Size	_____	Distance	_____
Population	_____	Size	_____	Distance	_____
Population	_____	Size	_____	Distance	_____
Population	_____	Size	_____	Distance	_____
Population	_____	Size	_____	Distance	_____

### IV. Enhancement Activities for Baseline RCW Groups

A. How will hardwood basal area and midstory vegetation be controlled in RCW clusters? Check all that apply:

- 1. Prescribed burning @   to   year intervals
- 2. Chemical treatments. List chemicals: \_\_\_\_\_
- 3. Mechanical treatments. List methods: \_\_\_\_\_

B. How will hardwood basal area and midstory vegetation be controlled in RCW foraging habitat? Check all that apply:

- 1. Prescribed burning @   to   year intervals
- 2. Chemical treatments. List chemicals: \_\_\_\_\_
- 3. Mechanical treatments. List methods: \_\_\_\_\_

C. Additional baseline habitat enhancement activities:

- 1. Install artificial cavities in baseline clusters:   cavities in   clusters

## **V. Other Enhancement Activities**

A. What additional management/conservation activities does landowner agree to conduct? Check all that apply:

1. Install artificial cavities in recruitment clusters  
 cavities in  clusters (at least 4 cavities must be installed in each recruitment cluster)
2. Control hardwood midstory outside currently designated RCW habitat  
 acres will be treated every  years  
 acres will be treated as needed  
treatment will be by (check all that apply):  
 prescribed fire  chemical  mechanical
3. Implement forest management practices that benefit RCWs, including:
- a. Increase rotation age  
From  years to  years
- b. Restore stands to the right tree species (typically longleaf pine)  
 acres will be restored
- c. Thin overstocked stands (90 basal area/acre and greater)  
 acres will be thinned
4. Provide opportunity for GADNR, USFWS, or third party to translocate juveniles from the tract to other properties (private, state, or federal). *Determinations must first be made by Georgia DNR and USFWS that this is a viable option for the landowner's RCW population; i.e., removal of juvenile RCWs will not result in adverse impacts to the population.*

## **VI. Net Conservation Benefits to RCWs Expected as a Result of this Cooperative Agreement**

(Note: this section to be completed by Administrator)

The following net conservation benefits are expected as a result of implementing this Safe Harbor Cooperative Agreement and the associated baseline and other enhancement activities outlined above; benefits to be determined by Georgia DNR and USFWS. (check all that apply)

- A. Reduction of habitat fragmentation rates
- B. Maintenance of occupied habitat
- C. Restoration and/or enhancement of unoccupied habitat
- D. Increase in habitat connectivity
- E. Maintenance of current population size
- F. Increase of current population size
- G. Improvement of species population distribution
- H. Reduction of the effects of catastrophic events
- I. Increase in size, or rate of growth, of other populations (support or recovery)
- J. Contribution to research knowledge, management techniques, and/or conservation strategies

**VII. Implementation Plan**

Specify the time frames within which the landowner agrees to accomplish the baseline and other enhancement activities agreed upon in this evaluation form and in Appendix A and B of the Safe Harbor Agreement. For each activity, list the agreed upon dates to accomplish each action.

A. Baseline Activities

1. Activity	_____	Completion Date	_____
2. Activity	_____	Completion Date	_____
3. Activity	_____	Completion Date	_____
4. Activity	_____	Completion Date	_____
5. Activity	_____	Completion Date	_____
6. Activity	_____	Completion Date	_____
7. Activity	_____	Completion Date	_____
8. Activity	_____	Completion Date	_____
9. Activity	_____	Completion Date	_____
10. Activity	_____	Completion Date	_____

B. Enhancement Activities

1. Activity	<u>Harvest Year</u>	Completion Date	<u>2007</u>
2. Activity	<u>Controlled burning</u>	Completion Date	<u>Every 3 years</u>
3. Activity	<u>Hardwood control</u>	Completion Date	<u>As needed</u>
4. Activity	<u>Thinning overstocked stands</u>	Completion Date	<u>As needed</u>
5. Activity	_____	Completion Date	_____
6. Activity	_____	Completion Date	_____
7. Activity	_____	Completion Date	_____
8. Activity	_____	Completion Date	_____
9. Activity	_____	Completion Date	_____
10. Activity	_____	Completion Date	_____

Georgia Department of Natural Resources \_\_\_\_\_, Cooperator

By: \_\_\_\_\_

By: \_\_\_\_\_

Date: \_\_\_\_\_

Date: \_\_\_\_\_

**RED-COCKADED WOODPECKER  
SAFE HARBOR EVALUATION FORM  
for  
GEORGIA LANDOWNERS**

**I. Background Information**

A. Date of Evaluation: 2/16/2006

B. Tract Name: Plant Vogtle, Boat Ramp, E553106

C. Tract Location

1. County: Burke

2. Tax Map #: \_\_\_\_\_

3. Latitude: \_\_\_\_\_ Longitude: \_\_\_\_\_

D. Tract Owner Name: Georgia Power Co.

Address: 241 Ralph McGill Blvd NE  
Atlanta, GA 30308

Telephone #: 404-799-2142 Fax #: 404-799-2141

E. Contact Person: Georgia Pearson

Check one: Owner  Manager  Employee

Address: 5131 Maner Rd.  
Smyrna, GA 30080

Telephone #: 404-799-2142

**II. Tract Information**

A. Total tract acreage: 25 acres of 53 year old mixed pines

B. Number of active clusters for which landowner has 100% cavity tree responsibility: 0

C. Number of active clusters for which landowner has partial cavity tree responsibility: 0

D. Number of active clusters for which landowner has 100% foraging habitat responsibility: 0

Total Acreage Involved: 0

E. Number of active clusters for which landowner has partial foraging habitat responsibility: 0

Total Acreage Involved: 0

F. Total number of acres enrolled in Safe Harbor: 25

G. Total basal area (10"DBH and larger stems) provided for RCWs 0

H. Individual(s) who conducted RCW cavity tree surveys:

Georgia Pearson Phone # of primary contact: 404-799-2142

Bret Estep

Carlton Chambers

Jim Candler

I. Individual(s) who calculated foraging habitat analysis:

Georgia Pearson Phone # of primary contact: 404-799-2142

\_\_\_\_\_

J. Based on the total tract size, current number of active clusters and the associated cluster and foraging habitat, current and/or expected future forest conditions, and the landowner's long-term land management objectives, are there opportunities to increase the RCW population on the tract?

Yes  x  No  \_\_\_\_\_

If yes, and the tract is large enough to support at least 10 active clusters, is the landowner interested in considering serving as a mitigation bank?

Yes  x  No  \_\_\_\_\_

**III. Non-Tract Information**

(Georgia DNR and/or USFWS will supply the majority of this information.)

A. Number of active clusters, not located on landowner's tract, for which landowner has partial foraging habitat responsibility:  0  Total acreage involved:  0

B. List all known RCW populations by: 1) tract/owner name; 2) # of active clusters (1 or more); and, 3) distance (to the closest mile), within 10 miles of landowner's property.

Population	_____	Size	_____	Distance	_____
Population	_____	Size	_____	Distance	_____
Population	_____	Size	_____	Distance	_____
Population	_____	Size	_____	Distance	_____
Population	_____	Size	_____	Distance	_____
Population	_____	Size	_____	Distance	_____

**IV. Enhancement Activities for Baseline RCW Groups**

A. How will hardwood basal area and midstory vegetation be controlled in RCW clusters? Check all that apply:

- 1. Prescribed burning @      to      year intervals
- 2. Chemical treatments. List chemicals: \_\_\_\_\_
- 3. Mechanical treatments. List methods: \_\_\_\_\_

B. How will hardwood basal area and midstory vegetation be controlled in RCW foraging habitat? Check all that apply:

- 1. Prescribed burning @      to      year intervals
- 2. Chemical treatments. List chemicals: \_\_\_\_\_
- 3. Mechanical treatments. List methods: \_\_\_\_\_

C. Additional baseline habitat enhancement activities:



\_\_\_ 1. Install artificial cavities in baseline clusters: \_\_\_ cavities in \_\_\_ clusters

### **V. Other Enhancement Activities**

A. What additional management/conservation activities does landowner agree to conduct? Check all that apply:

\_\_\_ 1. Install artificial cavities in recruitment clusters  
\_\_\_ cavities in \_\_\_ clusters (at least 4 cavities must be installed in each recruitment cluster)

x 2. Control hardwood midstory outside currently designated RCW habitat

25 acres will be treated every 3 years

25 acres will be treated as needed

treatment will be by (check all that apply):

x prescribed fire x chemical \_\_\_ mechanical

x 3. Implement forest management practices that benefit RCWs, including:

\_\_\_ a. Increase rotation age

From \_\_\_ years to \_\_\_ years

\_\_\_ b. Restore stands to the right tree species (typically longleaf pine)

\_\_\_ acres will be restored

x c. Thin overstocked stands (90 basal area/acre and greater)

25 acres will be thinned

\_\_\_ 4. Provide opportunity for GADNR, USFWS, or third party to translocate juveniles from the tract to other properties (private, state, or federal). *Determinations must first be made by Georgia DNR and USFWS that this is a viable option for the landowner's RCW population; i.e., removal of juvenile RCWs will not result in adverse impacts to the population.*

### **VI. Net Conservation Benefits to RCWs Expected as a Result of this Cooperative Agreement**

(Note: this section to be completed by Administrator)

The following net conservation benefits are expected as a result of implementing this Safe Harbor Cooperative Agreement and the associated baseline and other enhancement activities outlined above; benefits to be determined by Georgia DNR and USFWS. (check all that apply)

\_\_\_ A. Reduction of habitat fragmentation rates

\_\_\_ B. Maintenance of occupied habitat

x C. Restoration and/or enhancement of unoccupied habitat

\_\_\_ D. Increase in habitat connectivity

\_\_\_ E. Maintenance of current population size

\_\_\_ F. Increase of current population size

\_\_\_ G. Improvement of species population distribution

\_\_\_ H. Reduction of the effects of catastrophic events

- I. Increase in size, or rate of growth, of other populations (support or recovery)
- J. Contribution to research knowledge, management techniques, and/or conservation strategies
- K. Other Maintain Possible Suitable Foraging Habitat

**VII. Implementation Plan**

Specify the time frames within which the landowner agrees to accomplish the baseline and other enhancement activities agreed upon in this evaluation form and in Appendix A and B of the Safe Harbor Agreement. For each activity, list the agreed upon dates to accomplish each action.

A. Baseline Activities

1. Activity	_____	Completion Date	_____
2. Activity	_____	Completion Date	_____
3. Activity	_____	Completion Date	_____
4. Activity	_____	Completion Date	_____
5. Activity	_____	Completion Date	_____
6. Activity	_____	Completion Date	_____
7. Activity	_____	Completion Date	_____
8. Activity	_____	Completion Date	_____
9. Activity	_____	Completion Date	_____
10. Activity	_____	Completion Date	_____

B. Enhancement Activities

		Completion Date	_____
2. Activity	<u>Harvest Year</u>	Completion Date	<u>Uneven</u>
3. Activity	<u>Controlled burning</u>	Completion Date	<u>Every 3 years</u>
4. Activity	<u>Hardwood control</u>	Completion Date	<u>As needed</u>
5. Activity	<u>Thinning overstocked stands</u>	Completion Date	<u>As needed</u>
6. Activity	_____	Completion Date	_____
7. Activity	_____	Completion Date	_____
8. Activity	_____	Completion Date	_____
9. Activity	_____	Completion Date	_____
10. Activity	_____	Completion Date	_____

Georgia Department of Natural Resources \_\_\_\_\_, Cooperator

By: \_\_\_\_\_

By: \_\_\_\_\_

Date: \_\_\_\_\_

Date: \_\_\_\_\_

**RED-COCKADED WOODPECKER  
SAFE HARBOR EVALUATION FORM  
for  
GEORGIA LANDOWNERS**

**I. Background Information**

A. Date of Evaluation: 2/16/2006

B. Tract Name: Plant Vogtle, Boat Ramp, E553107

C. Tract Location

    1. County: Burke

    2. Tax Map #: \_\_\_\_\_

    3. Latitude: \_\_\_\_\_ Longitude: \_\_\_\_\_

D. Tract Owner Name: Georgia Power Co.

    Address: 241 Ralph McGill Blvd NE  
Atlanta, GA 30308

    Telephone #: 404-799-2142 Fax #: 404-799-2141

E. Contact Person: Georgia Pearson

    Check one: Owner  Manager  Employee

    Address: 5131 Maner Rd.  
Smyrna, GA 30080

    Telephone #: 404-799-2142

**II. Tract Information**

A. Total tract acreage: 9 acres of 1 year old slash

B. Number of active clusters for which landowner has 100% cavity tree responsibility: 0

C. Number of active clusters for which landowner has partial cavity tree responsibility: 0

D. Number of active clusters for which landowner has 100% foraging habitat responsibility: 0

    Total Acreage Involved: 0

E. Number of active clusters for which landowner has partial foraging habitat responsibility: 0

    Total Acreage Involved: 0

F. Total number of acres enrolled in Safe Harbor: 9

G. Total basal area (10"DBH and larger stems) provided for RCWs 0

H. Individual(s) who conducted RCW cavity tree surveys:

Georgia Pearson Phone # of primary contact: 404-799-2142

Bret Estep

Carlton Chambers

Jim Candler

I. Individual(s) who calculated foraging habitat analysis:

Georgia Pearson Phone # of primary contact: 404-799-2142

    \_\_\_\_\_

J. Based on the total tract size, current number of active clusters and the associated cluster and foraging habitat, current and/or expected future forest conditions, and the landowner's long-term land management objectives, are there opportunities to increase the RCW population on the tract?

Yes  x  No

If yes, and the tract is large enough to support at least 10 active clusters, is the landowner interested in considering serving as a mitigation bank?

Yes  x  No

### III. Non-Tract Information

(Georgia DNR and/or USFWS will supply the majority of this information.)

A. Number of active clusters, not located on landowner's tract, for which landowner has partial foraging habitat responsibility:  0  Total acreage involved:  0

B. List all known RCW populations by: 1) tract/owner name; 2) # of active clusters (1 or more); and, 3) distance (to the closest mile), within 10 miles of landowner's property.

Population	_____	Size	_____	Distance	_____
Population	_____	Size	_____	Distance	_____
Population	_____	Size	_____	Distance	_____
Population	_____	Size	_____	Distance	_____
Population	_____	Size	_____	Distance	_____
Population	_____	Size	_____	Distance	_____

### IV. Enhancement Activities for Baseline RCW Groups

A. How will hardwood basal area and midstory vegetation be controlled in RCW clusters? Check all that apply:

- \_\_\_\_\_ 1. Prescribed burning @   to   year intervals
- \_\_\_\_\_ 2. Chemical treatments. List chemicals: \_\_\_\_\_
- \_\_\_\_\_ 3. Mechanical treatments. List methods: \_\_\_\_\_

B. How will hardwood basal area and midstory vegetation be controlled in RCW foraging habitat? Check all that apply:

- \_\_\_\_\_ 1. Prescribed burning @   to   year intervals
- \_\_\_\_\_ 2. Chemical treatments. List chemicals: \_\_\_\_\_
- \_\_\_\_\_ 3. Mechanical treatments. List methods: \_\_\_\_\_

C. Additional baseline habitat enhancement activities:

- \_\_\_\_\_ 1. Install artificial cavities in baseline clusters:   cavities in   clusters

## **V. Other Enhancement Activities**

A. What additional management/conservation activities does landowner agree to conduct? Check all that apply:

1. Install artificial cavities in recruitment clusters  
 cavities in  clusters (at least 4 cavities must be installed in each recruitment cluster)
2. Control hardwood midstory outside currently designated RCW habitat  
 acres will be treated every  years  
 acres will be treated as needed  
treatment will be by (check all that apply):  
 prescribed fire  chemical  mechanical
3. Implement forest management practices that benefit RCWs, including:
- a. Increase rotation age  
From  years to  years
- b. Restore stands to the right tree species (typically longleaf pine)  
 acres will be restored
- c. Thin overstocked stands (90 basal area/acre and greater)  
 acres will be thinned
4. Provide opportunity for GADNR, USFWS, or third party to translocate juveniles from the tract to other properties (private, state, or federal). *Determinations must first be made by Georgia DNR and USFWS that this is a viable option for the landowner's RCW population; i.e., removal of juvenile RCWs will not result in adverse impacts to the population.*

## **VI. Net Conservation Benefits to RCWs Expected as a Result of this Cooperative Agreement**

(Note: this section to be completed by Administrator)

The following net conservation benefits are expected as a result of implementing this Safe Harbor Cooperative Agreement and the associated baseline and other enhancement activities outlined above; benefits to be determined by Georgia DNR and USFWS. (check all that apply)

- A. Reduction of habitat fragmentation rates
- B. Maintenance of occupied habitat
- C. Restoration and/or enhancement of unoccupied habitat
- D. Increase in habitat connectivity
- E. Maintenance of current population size
- F. Increase of current population size
- G. Improvement of species population distribution
- H. Reduction of the effects of catastrophic events
- I. Increase in size, or rate of growth, of other populations (support or recovery)
- J. Contribution to research knowledge, management techniques, and/or conservation strategies

**VII. Implementation Plan**

Specify the time frames within which the landowner agrees to accomplish the baseline and other enhancement activities agreed upon in this evaluation form and in Appendix A and B of the Safe Harbor Agreement. For each activity, list the agreed upon dates to accomplish each action.

A. Baseline Activities

1. Activity	_____	Completion Date	_____
2. Activity	_____	Completion Date	_____
3. Activity	_____	Completion Date	_____
4. Activity	_____	Completion Date	_____
5. Activity	_____	Completion Date	_____
6. Activity	_____	Completion Date	_____
7. Activity	_____	Completion Date	_____
8. Activity	_____	Completion Date	_____
9. Activity	_____	Completion Date	_____
10. Activity	_____	Completion Date	_____

B. Enhancement Activities

1. Activity	<u>Harvest Year</u>	Completion Date	<u>2005</u>
2. Activity	<u>Controlled burning</u>	Completion Date	<u>Every 3 years</u>
3. Activity	<u>Hardwood control</u>	Completion Date	<u>As needed</u>
4. Activity	<u>Thinning overstocked stands</u>	Completion Date	<u>As needed</u>
5. Activity	_____	Completion Date	_____
6. Activity	_____	Completion Date	_____
7. Activity	_____	Completion Date	_____
8. Activity	_____	Completion Date	_____
9. Activity	_____	Completion Date	_____
10. Activity	_____	Completion Date	_____

Georgia Department of Natural Resources \_\_\_\_\_, Cooperator

By: \_\_\_\_\_

By: \_\_\_\_\_

Date: \_\_\_\_\_

Date: \_\_\_\_\_

**RED-COCKADED WOODPECKER  
SAFE HARBOR EVALUATION FORM  
for  
GEORGIA LANDOWNERS**

**I. Background Information**

A. Date of Evaluation: 2/16/2006

B. Tract Name: Plant Vogtle, Boat Ramp, E553108

C. Tract Location

1. County: Burke

2. Tax Map #: \_\_\_\_\_

3. Latitude: \_\_\_\_\_ Longitude: \_\_\_\_\_

D. Tract Owner Name: Georgia Power Co.

Address: 241 Ralph McGill Blvd NE  
Atlanta, GA 30308

Telephone #: 404-799-2142 Fax #: 404-799-2141

E. Contact Person: Georgia Pearson

Check one: Owner  Manager  Employee

Address: 5131 Maner Rd.  
Smyrna, GA 30080

Telephone #: 404-799-2142

**II. Tract Information**

A. Total tract acreage: 21 acres of 1 year old slash

B. Number of active clusters for which landowner has 100% cavity tree responsibility: 0

C. Number of active clusters for which landowner has partial cavity tree responsibility: 0

D. Number of active clusters for which landowner has 100% foraging habitat responsibility: 0

Total Acreage Involved: 0

E. Number of active clusters for which landowner has partial foraging habitat responsibility: 0

Total Acreage Involved: 0

F. Total number of acres enrolled in Safe Harbor: 21

G. Total basal area (10"DBH and larger stems) provided for RCWs: 0

H. Individual(s) who conducted RCW cavity tree surveys:

Georgia Pearson Phone # of primary contact: 404-799-2142

Bret Estep

Carlton Chambers

Jim Candler

I. Individual(s) who calculated foraging habitat analysis:

Georgia Pearson Phone # of primary contact: 404-799-2142

\_\_\_\_\_

J. Based on the total tract size, current number of active clusters and the associated cluster and foraging habitat, current and/or expected future forest conditions, and the landowner's long-term land management objectives, are there opportunities to increase the RCW population on the tract?

Yes  x  No  \_\_\_\_\_

If yes, and the tract is large enough to support at least 10 active clusters, is the landowner interested in considering serving as a mitigation bank?

Yes  x  No  \_\_\_\_\_

**III. Non-Tract Information**

(Georgia DNR and/or USFWS will supply the majority of this information.)

A. Number of active clusters, not located on landowner's tract, for which landowner has partial foraging habitat responsibility:  0  Total acreage involved:  0

B. List all known RCW populations by: 1) tract/owner name; 2) # of active clusters (1 or more); and, 3) distance (to the closest mile), within 10 miles of landowner's property.

Population	_____	Size	_____	Distance	_____
Population	_____	Size	_____	Distance	_____
Population	_____	Size	_____	Distance	_____
Population	_____	Size	_____	Distance	_____
Population	_____	Size	_____	Distance	_____
Population	_____	Size	_____	Distance	_____

**IV. Enhancement Activities for Baseline RCW Groups**

A. How will hardwood basal area and midstory vegetation be controlled in RCW clusters? Check all that apply:

- 1. Prescribed burning @      to      year intervals
- 2. Chemical treatments. List chemicals: \_\_\_\_\_
- 3. Mechanical treatments. List methods: \_\_\_\_\_

B. How will hardwood basal area and midstory vegetation be controlled in RCW foraging habitat? Check all that apply:

- 1. Prescribed burning @      to      year intervals
- 2. Chemical treatments. List chemicals: \_\_\_\_\_
- 3. Mechanical treatments. List methods: \_\_\_\_\_

C. Additional baseline habitat enhancement activities:



\_\_\_ 1. Install artificial cavities in baseline clusters: \_\_\_ cavities in \_\_\_ clusters

### **V. Other Enhancement Activities**

A. What additional management/conservation activities does landowner agree to conduct? Check all that apply:

\_\_\_ 1. Install artificial cavities in recruitment clusters  
\_\_\_ cavities in \_\_\_ clusters (at least 4 cavities must be installed in each recruitment cluster)

x 2. Control hardwood midstory outside currently designated RCW habitat

21 acres will be treated every 3 years

21 acres will be treated as needed

treatment will be by (check all that apply):

x prescribed fire x chemical \_\_\_ mechanical

x 3. Implement forest management practices that benefit RCWs, including:

\_\_\_ a. Increase rotation age

From \_\_\_ years to \_\_\_ years

\_\_\_ b. Restore stands to the right tree species (typically longleaf pine)

\_\_\_ acres will be restored

x c. Thin overstocked stands (90 basal area/acre and greater)

21 acres will be thinned

\_\_\_ 4. Provide opportunity for GADNR, USFWS, or third party to translocate juveniles from the tract to other properties (private, state, or federal). *Determinations must first be made by Georgia DNR and USFWS that this is a viable option for the landowner's RCW population; i.e., removal of juvenile RCWs will not result in adverse impacts to the population.*

### **VI. Net Conservation Benefits to RCWs Expected as a Result of this Cooperative Agreement**

(Note: this section to be completed by Administrator)

The following net conservation benefits are expected as a result of implementing this Safe Harbor Cooperative Agreement and the associated baseline and other enhancement activities outlined above; benefits to be determined by Georgia DNR and USFWS. (check all that apply)

\_\_\_ A. Reduction of habitat fragmentation rates

\_\_\_ B. Maintenance of occupied habitat

x C. Restoration and/or enhancement of unoccupied habitat

\_\_\_ D. Increase in habitat connectivity

\_\_\_ E. Maintenance of current population size

\_\_\_ F. Increase of current population size

\_\_\_ G. Improvement of species population distribution

\_\_\_ H. Reduction of the effects of catastrophic events

- I. Increase in size, or rate of growth, of other populations (support or recovery)
- J. Contribution to research knowledge, management techniques, and/or conservation strategies
- X   K. Other   Maintain Possible Suitable Foraging Habitat

**VII. Implementation Plan**

Specify the time frames within which the landowner agrees to accomplish the baseline and other enhancement activities agreed upon in this evaluation form and in Appendix A and B of the Safe Harbor Agreement. For each activity, list the agreed upon dates to accomplish each action.

A. Baseline Activities

1. Activity	_____	Completion Date	_____
2. Activity	_____	Completion Date	_____
3. Activity	_____	Completion Date	_____
4. Activity	_____	Completion Date	_____
5. Activity	_____	Completion Date	_____
6. Activity	_____	Completion Date	_____
7. Activity	_____	Completion Date	_____
8. Activity	_____	Completion Date	_____
9. Activity	_____	Completion Date	_____
10. Activity	_____	Completion Date	_____

B. Enhancement Activities

1. Activity	<u>Harvest Year</u>	Completion Date	<u>2005</u>
2. Activity	<u>Controlled burning</u>	Completion Date	<u>Every 3 years</u>
3. Activity	<u>Hardwood control</u>	Completion Date	<u>As needed</u>
4. Activity	<u>Thinning overstocked stands</u>	Completion Date	<u>As needed</u>
5. Activity	_____	Completion Date	_____
6. Activity	_____	Completion Date	_____
7. Activity	_____	Completion Date	_____
8. Activity	_____	Completion Date	_____
9. Activity	_____	Completion Date	_____
10. Activity	_____	Completion Date	_____

Georgia Department of Natural Resources \_\_\_\_\_, Cooperator

By: \_\_\_\_\_

By: \_\_\_\_\_

Date: \_\_\_\_\_

Date: \_\_\_\_\_

**RED-COCKADED WOODPECKER  
SAFE HARBOR EVALUATION FORM  
for  
GEORGIA LANDOWNERS**

**I. Background Information**

A. Date of Evaluation: 2/16/2006

B. Tract Name: Plant Vogtle, Boat Ramp, E553109

C. Tract Location

    1. County: Burke

    2. Tax Map #: \_\_\_\_\_

    3. Latitude: \_\_\_\_\_ Longitude: \_\_\_\_\_

D. Tract Owner Name: Georgia Power Co.

    Address: 241 Ralph McGill Blvd NE  
Atlanta, GA 30308

    Telephone #: 404-799-2142 Fax #: 404-799-2141

E. Contact Person: Georgia Pearson

    Check one: Owner  Manager  Employee

    Address: 5131 Maner Rd.  
Smyrna, GA 30080

    Telephone #: 404-799-2142

**II. Tract Information**

A. Total tract acreage: 3 acres of 6 year old longleaf pines

B. Number of active clusters for which landowner has 100% cavity tree responsibility: 0

C. Number of active clusters for which landowner has partial cavity tree responsibility: 0

D. Number of active clusters for which landowner has 100% foraging habitat responsibility: 0

    Total Acreage Involved: 0

E. Number of active clusters for which landowner has partial foraging habitat responsibility: 0

    Total Acreage Involved: 0

F. Total number of acres enrolled in Safe Harbor: 3

G. Total basal area (10"DBH and larger stems) provided for RCWs 0

H. Individual(s) who conducted RCW cavity tree surveys:

Georgia Pearson Phone # of primary contact: 404-799-2142

Bret Estep

Carlton Chambers

Jim Candler

I. Individual(s) who calculated foraging habitat analysis:

Georgia Pearson Phone # of primary contact: 404-799-2142

    \_\_\_\_\_

J. Based on the total tract size, current number of active clusters and the associated cluster and foraging habitat, current and/or expected future forest conditions, and the landowner's long-term land management objectives, are there opportunities to increase the RCW population on the tract?

Yes  x  No

If yes, and the tract is large enough to support at least 10 active clusters, is the landowner interested in considering serving as a mitigation bank?

Yes  x  No

**III. Non-Tract Information**

(Georgia DNR and/or USFWS will supply the majority of this information.)

A. Number of active clusters, not located on landowner's tract, for which landowner has partial foraging habitat responsibility:  0  Total acreage involved:  0

B. List all known RCW populations by: 1) tract/owner name; 2) # of active clusters (1 or more); and, 3) distance (to the closest mile), within 10 miles of landowner's property.

Population	_____	Size	_____	Distance	_____
Population	_____	Size	_____	Distance	_____
Population	_____	Size	_____	Distance	_____
Population	_____	Size	_____	Distance	_____
Population	_____	Size	_____	Distance	_____
Population	_____	Size	_____	Distance	_____

**IV. Enhancement Activities for Baseline RCW Groups**

A. How will hardwood basal area and midstory vegetation be controlled in RCW clusters? Check all that apply:

- 1. Prescribed burning @   to   year intervals
- 2. Chemical treatments. List chemicals: \_\_\_\_\_
- 3. Mechanical treatments. List methods: \_\_\_\_\_

B. How will hardwood basal area and midstory vegetation be controlled in RCW foraging habitat? Check all that apply:

- 1. Prescribed burning @   to   year intervals
- 2. Chemical treatments. List chemicals: \_\_\_\_\_
- 3. Mechanical treatments. List methods: \_\_\_\_\_

C. Additional baseline habitat enhancement activities:

- 1. Install artificial cavities in baseline clusters:   cavities in   clusters

## **V. Other Enhancement Activities**

A. What additional management/conservation activities does landowner agree to conduct? Check all that apply:

1. Install artificial cavities in recruitment clusters  
 cavities in  clusters (at least 4 cavities must be installed in each recruitment cluster)
2. Control hardwood midstory outside currently designated RCW habitat  
 acres will be treated every  years  
 acres will be treated as needed  
treatment will be by (check all that apply):  
 prescribed fire  chemical  mechanical
3. Implement forest management practices that benefit RCWs, including:
- a. Increase rotation age  
From  years to  years
- b. Restore stands to the right tree species (typically longleaf pine)  
 acres will be restored
- c. Thin overstocked stands (90 basal area/acre and greater)  
 acres will be thinned
4. Provide opportunity for GADNR, USFWS, or third party to translocate juveniles from the tract to other properties (private, state, or federal). *Determinations must first be made by Georgia DNR and USFWS that this is a viable option for the landowner's RCW population; i.e., removal of juvenile RCWs will not result in adverse impacts to the population.*

## **VI. Net Conservation Benefits to RCWs Expected as a Result of this Cooperative Agreement**

(Note: this section to be completed by Administrator)

The following net conservation benefits are expected as a result of implementing this Safe Harbor Cooperative Agreement and the associated baseline and other enhancement activities outlined above; benefits to be determined by Georgia DNR and USFWS. (check all that apply)

- A. Reduction of habitat fragmentation rates
- B. Maintenance of occupied habitat
- C. Restoration and/or enhancement of unoccupied habitat
- D. Increase in habitat connectivity
- E. Maintenance of current population size
- F. Increase of current population size
- G. Improvement of species population distribution
- H. Reduction of the effects of catastrophic events
- I. Increase in size, or rate of growth, of other populations (support or recovery)
- J. Contribution to research knowledge, management techniques, and/or conservation strategies

**VII. Implementation Plan**

Specify the time frames within which the landowner agrees to accomplish the baseline and other enhancement activities agreed upon in this evaluation form and in Appendix A and B of the Safe Harbor Agreement. For each activity, list the agreed upon dates to accomplish each action.

A. Baseline Activities

1. Activity	_____	Completion Date	_____
2. Activity	_____	Completion Date	_____
3. Activity	_____	Completion Date	_____
4. Activity	_____	Completion Date	_____
5. Activity	_____	Completion Date	_____
6. Activity	_____	Completion Date	_____
7. Activity	_____	Completion Date	_____
8. Activity	_____	Completion Date	_____
9. Activity	_____	Completion Date	_____
10. Activity	_____	Completion Date	_____

B. Enhancement Activities

1. Activity	<u>Controlled burning</u>	Completion Date	<u>Every 3 years</u>
2. Activity	<u>Hardwood control</u>	Completion Date	<u>As needed</u>
3. Activity	<u>Thinning overstocked stands</u>	Completion Date	<u>As needed</u>
4. Activity	_____	Completion Date	_____
5. Activity	_____	Completion Date	_____
6. Activity	_____	Completion Date	_____
7. Activity	_____	Completion Date	_____
8. Activity	_____	Completion Date	_____
9. Activity	_____	Completion Date	_____
10. Activity	_____	Completion Date	_____

Georgia Department of Natural Resources \_\_\_\_\_, Cooperator

By: \_\_\_\_\_

By: \_\_\_\_\_

Date: \_\_\_\_\_

Date: \_\_\_\_\_

**RED-COCKADED WOODPECKER  
SAFE HARBOR EVALUATION FORM  
for  
GEORGIA LANDOWNERS**

**I. Background Information**

A. Date of Evaluation: 2/16/2006

B. Tract Name: Plant Vogtle, Boat Ramp, E553111

C. Tract Location

    1. County: Burke

    2. Tax Map #: \_\_\_\_\_

    3. Latitude: \_\_\_\_\_ Longitude: \_\_\_\_\_

D. Tract Owner Name: Georgia Power Co.

    Address: 241 Ralph McGill Blvd NE  
Atlanta, GA 30308

    Telephone #: 404-799-2142 Fax #: 404-799-2141

E. Contact Person: Georgia Pearson

    Check one: Owner  Manager  Employee

    Address: 5131 Maner Rd.  
Smyrna, GA 30080

    Telephone #: 404-799-2142

**II. Tract Information**

A. Total tract acreage: 8 acres of 3 year old mixed pines

B. Number of active clusters for which landowner has 100% cavity tree responsibility: 0

C. Number of active clusters for which landowner has partial cavity tree responsibility: 0

D. Number of active clusters for which landowner has 100% foraging habitat responsibility: 0

    Total Acreage Involved: 0

E. Number of active clusters for which landowner has partial foraging habitat responsibility: 0

    Total Acreage Involved: 0

F. Total number of acres enrolled in Safe Harbor: 8

G. Total basal area (10"DBH and larger stems) provided for RCWs 0

H. Individual(s) who conducted RCW cavity tree surveys:

Georgia Pearson Phone # of primary contact: 404-799-2142

Bret Estep

Carlton Chambers

Jim Candler

I. Individual(s) who calculated foraging habitat analysis:

Georgia Pearson Phone # of primary contact: 404-799-2142

    \_\_\_\_\_

J. Based on the total tract size, current number of active clusters and the associated cluster and foraging habitat, current and/or expected future forest conditions, and the landowner's long-term land management objectives, are there opportunities to increase the RCW population on the tract?

Yes  x  No

If yes, and the tract is large enough to support at least 10 active clusters, is the landowner interested in considering serving as a mitigation bank?

Yes  x  No

**III. Non-Tract Information**

(Georgia DNR and/or USFWS will supply the majority of this information.)

A. Number of active clusters, not located on landowner's tract, for which landowner has partial foraging habitat responsibility:  0  Total acreage involved:  0

B. List all known RCW populations by: 1) tract/owner name; 2) # of active clusters (1 or more); and, 3) distance (to the closest mile), within 10 miles of landowner's property.

Population	_____	Size	_____	Distance	_____
Population	_____	Size	_____	Distance	_____
Population	_____	Size	_____	Distance	_____
Population	_____	Size	_____	Distance	_____
Population	_____	Size	_____	Distance	_____
Population	_____	Size	_____	Distance	_____

**IV. Enhancement Activities for Baseline RCW Groups**

A. How will hardwood basal area and midstory vegetation be controlled in RCW clusters? Check all that apply:

- 1. Prescribed burning @   to   year intervals
- 2. Chemical treatments. List chemicals: \_\_\_\_\_
- 3. Mechanical treatments. List methods: \_\_\_\_\_

B. How will hardwood basal area and midstory vegetation be controlled in RCW foraging habitat? Check all that apply:

- 1. Prescribed burning @   to   year intervals
- 2. Chemical treatments. List chemicals: \_\_\_\_\_
- 3. Mechanical treatments. List methods: \_\_\_\_\_

C. Additional baseline habitat enhancement activities:

- 1. Install artificial cavities in baseline clusters:   cavities in   clusters



## **V. Other Enhancement Activities**

A. What additional management/conservation activities does landowner agree to conduct? Check all that apply:

1. Install artificial cavities in recruitment clusters  
 cavities in  clusters (at least 4 cavities must be installed in each recruitment cluster)
2. Control hardwood midstory outside currently designated RCW habitat  
 8 acres will be treated every  3 years  
 8 acres will be treated as needed  
treatment will be by (check all that apply):  
 prescribed fire  chemical  mechanical
3. Implement forest management practices that benefit RCWs, including:
- a. Increase rotation age  
From  years to  years
- b. Restore stands to the right tree species (typically longleaf pine)  
 acres will be restored
- c. Thin overstocked stands (90 basal area/acre and greater)  
 8 acres will be thinned
4. Provide opportunity for GADNR, USFWS, or third party to translocate juveniles from the tract to other properties (private, state, or federal). *Determinations must first be made by Georgia DNR and USFWS that this is a viable option for the landowner's RCW population; i.e., removal of juvenile RCWs will not result in adverse impacts to the population.*

## **VI. Net Conservation Benefits to RCWs Expected as a Result of this Cooperative Agreement**

(Note: this section to be completed by Administrator)

The following net conservation benefits are expected as a result of implementing this Safe Harbor Cooperative Agreement and the associated baseline and other enhancement activities outlined above; benefits to be determined by Georgia DNR and USFWS. (check all that apply)

- A. Reduction of habitat fragmentation rates
- B. Maintenance of occupied habitat
- C. Restoration and/or enhancement of unoccupied habitat
- D. Increase in habitat connectivity
- E. Maintenance of current population size
- F. Increase of current population size
- G. Improvement of species population distribution
- H. Reduction of the effects of catastrophic events
- I. Increase in size, or rate of growth, of other populations (support or recovery)
- J. Contribution to research knowledge, management techniques, and/or conservation strategies

**VII. Implementation Plan**

Specify the time frames within which the landowner agrees to accomplish the baseline and other enhancement activities agreed upon in this evaluation form and in Appendix A and B of the Safe Harbor Agreement. For each activity, list the agreed upon dates to accomplish each action.

A. Baseline Activities

1. Activity	_____	Completion Date	_____
2. Activity	_____	Completion Date	_____
3. Activity	_____	Completion Date	_____
4. Activity	_____	Completion Date	_____
5. Activity	_____	Completion Date	_____
6. Activity	_____	Completion Date	_____
7. Activity	_____	Completion Date	_____
8. Activity	_____	Completion Date	_____
9. Activity	_____	Completion Date	_____
10. Activity	_____	Completion Date	_____

B. Enhancement Activities

1. Activity	<u>Controlled burning</u>	Completion Date	<u>Every 3 years</u>
2. Activity	<u>Hardwood control</u>	Completion Date	<u>As needed</u>
3. Activity	<u>Thinning overstocked stands</u>	Completion Date	<u>As needed</u>
4. Activity	_____	Completion Date	_____
5. Activity	_____	Completion Date	_____
6. Activity	_____	Completion Date	_____
7. Activity	_____	Completion Date	_____
8. Activity	_____	Completion Date	_____
9. Activity	_____	Completion Date	_____
10. Activity	_____	Completion Date	_____

Georgia Department of Natural Resources \_\_\_\_\_, Cooperator

By: \_\_\_\_\_

By: \_\_\_\_\_

Date: \_\_\_\_\_

Date: \_\_\_\_\_

**RED-COCKADED WOODPECKER  
SAFE HARBOR EVALUATION FORM  
for  
GEORGIA LANDOWNERS**

**I. Background Information**

A. Date of Evaluation: 2/16/2006

B. Tract Name: Plant Vogtle, Boat Ramp, E553112

C. Tract Location

1. County: Burke

2. Tax Map #: \_\_\_\_\_

3. Latitude: \_\_\_\_\_ Longitude: \_\_\_\_\_

D. Tract Owner Name: Georgia Power Co.

Address: 241 Ralph McGill Blvd NE  
Atlanta, GA 30308

Telephone #: 404-799-2142 Fax #: 404-799-2141

E. Contact Person: Georgia Pearson

Check one: Owner  Manager  Employee

Address: 5131 Maner Rd.  
Smyrna, GA 30080

Telephone #: 404-799-2142

**II. Tract Information**

A. Total tract acreage: 17 acres of 8 year old longleaf pines

B. Number of active clusters for which landowner has 100% cavity tree responsibility: 0

C. Number of active clusters for which landowner has partial cavity tree responsibility: 0

D. Number of active clusters for which landowner has 100% foraging habitat responsibility: 0

Total Acreage Involved: 0

E. Number of active clusters for which landowner has partial foraging habitat responsibility: 0

Total Acreage Involved: 0

F. Total number of acres enrolled in Safe Harbor: 17

G. Total basal area (10"DBH and larger stems) provided for RCWs 0

H. Individual(s) who conducted RCW cavity tree surveys:

Georgia Pearson Phone # of primary contact: 404-799-2142

Bret Estep

Carlton Chambers

Jim Candler

I. Individual(s) who calculated foraging habitat analysis:

Georgia Pearson Phone # of primary contact: 404-799-2142

\_\_\_\_\_

J. Based on the total tract size, current number of active clusters and the associated cluster and foraging habitat, current and/or expected future forest conditions, and the landowner's long-term land management objectives, are there opportunities to increase the RCW population on the tract?

Yes  x  No  \_\_\_\_\_

If yes, and the tract is large enough to support at least 10 active clusters, is the landowner interested in considering serving as a mitigation bank?

Yes  x  No  \_\_\_\_\_

**III. Non-Tract Information**

(Georgia DNR and/or USFWS will supply the majority of this information.)

A. Number of active clusters, not located on landowner's tract, for which landowner has partial foraging habitat responsibility:  0  Total acreage involved:  0

B. List all known RCW populations by: 1) tract/owner name; 2) # of active clusters (1 or more); and, 3) distance (to the closest mile), within 10 miles of landowner's property.

Population	_____	Size	_____	Distance	_____
Population	_____	Size	_____	Distance	_____
Population	_____	Size	_____	Distance	_____
Population	_____	Size	_____	Distance	_____
Population	_____	Size	_____	Distance	_____
Population	_____	Size	_____	Distance	_____

**IV. Enhancement Activities for Baseline RCW Groups**

A. How will hardwood basal area and midstory vegetation be controlled in RCW clusters? Check all that apply:

- 1. Prescribed burning @      to      year intervals
- 2. Chemical treatments. List chemicals: \_\_\_\_\_
- 3. Mechanical treatments. List methods: \_\_\_\_\_

B. How will hardwood basal area and midstory vegetation be controlled in RCW foraging habitat? Check all that apply:

- 1. Prescribed burning @      to      year intervals
- 2. Chemical treatments. List chemicals: \_\_\_\_\_
- 3. Mechanical treatments. List methods: \_\_\_\_\_

C. Additional baseline habitat enhancement activities:

\_\_\_ 1. Install artificial cavities in baseline clusters: \_\_\_ cavities in \_\_\_ clusters

**V. Other Enhancement Activities**

A. What additional management/conservation activities does landowner agree to conduct? Check all that apply:

\_\_\_ 1. Install artificial cavities in recruitment clusters  
\_\_\_ cavities in \_\_\_ clusters (at least 4 cavities must be installed in each recruitment cluster)

x 2. Control hardwood midstory outside currently designated RCW habitat

17 acres will be treated every 3 years

17 acres will be treated as needed

treatment will be by (check all that apply):

x prescribed fire x chemical \_\_\_ mechanical

x 3. Implement forest management practices that benefit RCWs, including:

\_\_\_ a. Increase rotation age

From \_\_\_ years to \_\_\_ years

\_\_\_ b. Restore stands to the right tree species (typically longleaf pine)

\_\_\_ acres will be restored

x c. Thin overstocked stands (90 basal area/acre and greater)

17 acres will be thinned

x 4. Provide opportunity for GADNR, USFWS, or third party to translocate juveniles from the tract to other properties (private, state, or federal). *Determinations must first be made by Georgia DNR and USFWS that this is a viable option for the landowner's RCW population; i.e., removal of juvenile RCWs will not result in adverse impacts to the population.*

**VI. Net Conservation Benefits to RCWs Expected as a Result of this Cooperative Agreement**

(Note: this section to be completed by Administrator)

The following net conservation benefits are expected as a result of implementing this Safe Harbor Cooperative Agreement and the associated baseline and other enhancement activities outlined above; benefits to be determined by Georgia DNR and USFWS. (check all that apply)

\_\_\_ A. Reduction of habitat fragmentation rates

\_\_\_ B. Maintenance of occupied habitat

x C. Restoration and/or enhancement of unoccupied habitat

\_\_\_ D. Increase in habitat connectivity

\_\_\_ E. Maintenance of current population size

\_\_\_ F. Increase of current population size

\_\_\_ G. Improvement of species population distribution

\_\_\_ H. Reduction of the effects of catastrophic events

- I. Increase in size, or rate of growth, of other populations (support or recovery)
- J. Contribution to research knowledge, management techniques, and/or conservation strategies
- x   K. Other         Maintain Possible Suitable Foraging Habitat

**VII. Implementation Plan**

Specify the time frames within which the landowner agrees to accomplish the baseline and other enhancement activities agreed upon in this evaluation form and in Appendix A and B of the Safe Harbor Agreement. For each activity, list the agreed upon dates to accomplish each action.

A. Baseline Activities

1. Activity	_____	Completion Date	_____
2. Activity	_____	Completion Date	_____
3. Activity	_____	Completion Date	_____
4. Activity	_____	Completion Date	_____
5. Activity	_____	Completion Date	_____
6. Activity	_____	Completion Date	_____
7. Activity	_____	Completion Date	_____
8. Activity	_____	Completion Date	_____
9. Activity	_____	Completion Date	_____
10. Activity	_____	Completion Date	_____

B. Enhancement Activities

1. Activity	<u>Thinning Year</u>	Completion Date	<u>2019</u>
2. Activity	<u>Harvest Year</u>	Completion Date	<u>2050</u>
3. Activity	<u>Controlled burning</u>	Completion Date	<u>Every 3 years</u>
4. Activity	<u>Hardwood control</u>	Completion Date	<u>As needed</u>
5. Activity	<u>Thinning overstocked stands</u>	Completion Date	<u>As needed</u>
6. Activity	_____	Completion Date	_____
7. Activity	_____	Completion Date	_____
8. Activity	_____	Completion Date	_____
9. Activity	_____	Completion Date	_____
10. Activity	_____	Completion Date	_____

Georgia Department of Natural Resources \_\_\_\_\_, Cooperator

By: \_\_\_\_\_

By: \_\_\_\_\_

Date: \_\_\_\_\_

Date: \_\_\_\_\_

**RED-COCKADED WOODPECKER  
SAFE HARBOR EVALUATION FORM  
for  
GEORGIA LANDOWNERS**

**I. Background Information**

A. Date of Evaluation: 2/16/2006

B. Tract Name: Plant Vogtle, Boat Ramp, E553114

C. Tract Location

    1. County: Burke

    2. Tax Map #: \_\_\_\_\_

    3. Latitude: \_\_\_\_\_ Longitude: \_\_\_\_\_

D. Tract Owner Name: Georgia Power Co.

    Address: 241 Ralph McGill Blvd NE  
Atlanta, GA 30308

    Telephone #: 404-799-2142 Fax #: 404-799-2141

E. Contact Person: Georgia Pearson

    Check one: Owner  Manager  Employee

    Address: 5131 Maner Rd.  
Smyrna, GA 30080

    Telephone #: 404-799-2142

**II. Tract Information**

A. Total tract acreage: 16 acres of 50 year old Pine/Hardwood mix

B. Number of active clusters for which landowner has 100% cavity tree responsibility: 0

C. Number of active clusters for which landowner has partial cavity tree responsibility: 0

D. Number of active clusters for which landowner has 100% foraging habitat responsibility: 0

    Total Acreage Involved: 0

E. Number of active clusters for which landowner has partial foraging habitat responsibility: 0

    Total Acreage Involved: 0

F. Total number of acres enrolled in Safe Harbor: 16

G. Total basal area (10"DBH and larger stems) provided for RCWs 0

H. Individual(s) who conducted RCW cavity tree surveys:

Georgia Pearson Phone # of primary contact: 404-799-2142

Bret Estep

Carlton Chambers

Jim Candler

I. Individual(s) who calculated foraging habitat analysis:

Georgia Pearson Phone # of primary contact: 404-799-2142

    \_\_\_\_\_

J. Based on the total tract size, current number of active clusters and the associated cluster and foraging habitat, current and/or expected future forest conditions, and the landowner's long-term land management objectives, are there opportunities to increase the RCW population on the tract?

Yes  x  No

If yes, and the tract is large enough to support at least 10 active clusters, is the landowner interested in considering serving as a mitigation bank?

Yes  x  No

### III. Non-Tract Information

(Georgia DNR and/or USFWS will supply the majority of this information.)

A. Number of active clusters, not located on landowner's tract, for which landowner has partial foraging habitat responsibility:  0  Total acreage involved:  0

B. List all known RCW populations by: 1) tract/owner name; 2) # of active clusters (1 or more); and, 3) distance (to the closest mile), within 10 miles of landowner's property.

Population	_____	Size	_____	Distance	_____
Population	_____	Size	_____	Distance	_____
Population	_____	Size	_____	Distance	_____
Population	_____	Size	_____	Distance	_____
Population	_____	Size	_____	Distance	_____
Population	_____	Size	_____	Distance	_____

### IV. Enhancement Activities for Baseline RCW Groups

A. How will hardwood basal area and midstory vegetation be controlled in RCW clusters? Check all that apply:

\_\_\_\_\_ 1. Prescribed burning @ \_\_\_\_\_ to \_\_\_\_\_ year intervals

\_\_\_\_\_ 2. Chemical treatments. List chemicals: \_\_\_\_\_

\_\_\_\_\_ 3. Mechanical treatments. List methods: \_\_\_\_\_

B. How will hardwood basal area and midstory vegetation be controlled in RCW foraging habitat? Check all that apply:

\_\_\_\_\_ 1. Prescribed burning @ \_\_\_\_\_ to \_\_\_\_\_ year intervals

\_\_\_\_\_ 2. Chemical treatments. List chemicals: \_\_\_\_\_

\_\_\_\_\_ 3. Mechanical treatments. List methods: \_\_\_\_\_

C. Additional baseline habitat enhancement activities:

\_\_\_\_\_ 1. Install artificial cavities in baseline clusters: \_\_\_\_\_ cavities in \_\_\_\_\_ clusters



**V. Other Enhancement Activities**

A. What additional management/conservation activities does landowner agree to conduct? Check all that apply:

- 1. Install artificial cavities in recruitment clusters  
 cavities in  clusters (at least 4 cavities must be installed in each recruitment cluster)
- 2. Control hardwood midstory outside currently designated RCW habitat  
 16 acres will be treated every  3 years  
 16 acres will be treated as needed  
treatment will be by (check all that apply):  
 prescribed fire  chemical  mechanical
- 3. Implement forest management practices that benefit RCWs, including:
  - a. Increase rotation age  
From  years to  years
  - b. Restore stands to the right tree species (typically longleaf pine)  
 acres will be restored
  - c. Thin overstocked stands (90 basal area/acre and greater)  
 16 acres will be thinned
- 4. Provide opportunity for GADNR, USFWS, or third party to translocate juveniles from the tract to other properties (private, state, or federal). *Determinations must first be made by Georgia DNR and USFWS that this is a viable option for the landowner's RCW population; i.e., removal of juvenile RCWs will not result in adverse impacts to the population.*

**VI. Net Conservation Benefits to RCWs Expected as a Result of this Cooperative Agreement**

(Note: this section to be completed by Administrator)

The following net conservation benefits are expected as a result of implementing this Safe Harbor Cooperative Agreement and the associated baseline and other enhancement activities outlined above; benefits to be determined by Georgia DNR and USFWS. (check all that apply)

- A. Reduction of habitat fragmentation rates
- B. Maintenance of occupied habitat
- C. Restoration and/or enhancement of unoccupied habitat
- D. Increase in habitat connectivity
- E. Maintenance of current population size
- F. Increase of current population size
- G. Improvement of species population distribution
- H. Reduction of the effects of catastrophic events
- I. Increase in size, or rate of growth, of other populations (support or recovery)
- J. Contribution to research knowledge, management techniques, and/or conservation strategies

**VII. Implementation Plan**

Specify the time frames within which the landowner agrees to accomplish the baseline and other enhancement activities agreed upon in this evaluation form and in Appendix A and B of the Safe Harbor Agreement. For each activity, list the agreed upon dates to accomplish each action.

A. Baseline Activities

1. Activity	_____	Completion Date	_____
2. Activity	_____	Completion Date	_____
3. Activity	_____	Completion Date	_____
4. Activity	_____	Completion Date	_____
5. Activity	_____	Completion Date	_____
6. Activity	_____	Completion Date	_____
7. Activity	_____	Completion Date	_____
8. Activity	_____	Completion Date	_____
9. Activity	_____	Completion Date	_____
10. Activity	_____	Completion Date	_____

B. Enhancement Activities

1. Activity	<u>Harvest Year</u>	Completion Date	<u>2008</u>
2. Activity	<u>Controlled burning</u>	Completion Date	<u>Every 3 years</u>
3. Activity	<u>Hardwood control</u>	Completion Date	<u>As needed</u>
4. Activity	<u>Thinning overstocked stands</u>	Completion Date	<u>As needed</u>
5. Activity	_____	Completion Date	_____
6. Activity	_____	Completion Date	_____
7. Activity	_____	Completion Date	_____
8. Activity	_____	Completion Date	_____
9. Activity	_____	Completion Date	_____
10. Activity	_____	Completion Date	_____

Georgia Department of Natural Resources \_\_\_\_\_, Cooperator

By: \_\_\_\_\_

By: \_\_\_\_\_

Date: \_\_\_\_\_

Date: \_\_\_\_\_

**RED-COCKADED WOODPECKER  
SAFE HARBOR EVALUATION FORM  
for  
GEORGIA LANDOWNERS**

**I. Background Information**

A. Date of Evaluation: 2/16/2006

B. Tract Name: Plant Vogtle, Boat Ramp, E553116

C. Tract Location

1. County: Burke

2. Tax Map #: \_\_\_\_\_

3. Latitude: \_\_\_\_\_ Longitude: \_\_\_\_\_

D. Tract Owner Name: Georgia Power Co.

Address: 241 Ralph McGill Blvd NE  
Atlanta, GA 30308

Telephone #: 404-799-2142 Fax #: 404-799-2141

E. Contact Person: Georgia Pearson

Check one: Owner  Manager  Employee

Address: 5131 Maner Rd.  
Smyrna, GA 30080

Telephone #: 404-799-2142

**II. Tract Information**

A. Total tract acreage: 13 acres of 6 year old longleaf pines

B. Number of active clusters for which landowner has 100% cavity tree responsibility: 0

C. Number of active clusters for which landowner has partial cavity tree responsibility: 0

D. Number of active clusters for which landowner has 100% foraging habitat responsibility: 0

Total Acreage Involved: 0

E. Number of active clusters for which landowner has partial foraging habitat responsibility: 0

Total Acreage Involved: 0

F. Total number of acres enrolled in Safe Harbor: 13

G. Total basal area (10"DBH and larger stems) provided for RCWs 0

H. Individual(s) who conducted RCW cavity tree surveys:

Georgia Pearson Phone # of primary contact: 404-799-2142

Bret Estep

Carlton Chambers

Jim Candler

I. Individual(s) who calculated foraging habitat analysis:

Georgia Pearson Phone # of primary contact: 404-799-2142

\_\_\_\_\_

J. Based on the total tract size, current number of active clusters and the associated cluster and foraging habitat, current and/or expected future forest conditions, and the landowner's long-term land management objectives, are there opportunities to increase the RCW population on the tract?

Yes  x  No

If yes, and the tract is large enough to support at least 10 active clusters, is the landowner interested in considering serving as a mitigation bank?

Yes  x  No

**III. Non-Tract Information**

(Georgia DNR and/or USFWS will supply the majority of this information.)

A. Number of active clusters, not located on landowner's tract, for which landowner has partial foraging habitat responsibility:  0  Total acreage involved:  0

B. List all known RCW populations by: 1) tract/owner name; 2) # of active clusters (1 or more); and, 3) distance (to the closest mile), within 10 miles of landowner's property.

Population	_____	Size	_____	Distance	_____
Population	_____	Size	_____	Distance	_____
Population	_____	Size	_____	Distance	_____
Population	_____	Size	_____	Distance	_____
Population	_____	Size	_____	Distance	_____
Population	_____	Size	_____	Distance	_____

**IV. Enhancement Activities for Baseline RCW Groups**

A. How will hardwood basal area and midstory vegetation be controlled in RCW clusters? Check all that apply:

- 1. Prescribed burning @   to   year intervals
- 2. Chemical treatments. List chemicals: \_\_\_\_\_
- 3. Mechanical treatments. List methods: \_\_\_\_\_

B. How will hardwood basal area and midstory vegetation be controlled in RCW foraging habitat? Check all that apply:

- 1. Prescribed burning @   to   year intervals
- 2. Chemical treatments. List chemicals: \_\_\_\_\_
- 3. Mechanical treatments. List methods: \_\_\_\_\_

C. Additional baseline habitat enhancement activities:

- 1. Install artificial cavities in baseline clusters:   cavities in   clusters

## **V. Other Enhancement Activities**

A. What additional management/conservation activities does landowner agree to conduct? Check all that apply:

1. Install artificial cavities in recruitment clusters  
 cavities in  clusters (at least 4 cavities must be installed in each recruitment cluster)
2. Control hardwood midstory outside currently designated RCW habitat  
 13 acres will be treated every  3 years  
 13 acres will be treated as needed  
treatment will be by (check all that apply):  
 prescribed fire  chemical  mechanical
3. Implement forest management practices that benefit RCWs, including:
- a. Increase rotation age  
From  years to  years
- b. Restore stands to the right tree species (typically longleaf pine)  
 acres will be restored
- c. Thin overstocked stands (90 basal area/acre and greater)  
 13 acres will be thinned
4. Provide opportunity for GADNR, USFWS, or third party to translocate juveniles from the tract to other properties (private, state, or federal). *Determinations must first be made by Georgia DNR and USFWS that this is a viable option for the landowner's RCW population; i.e., removal of juvenile RCWs will not result in adverse impacts to the population.*

## **VI. Net Conservation Benefits to RCWs Expected as a Result of this Cooperative Agreement**

(Note: this section to be completed by Administrator)

The following net conservation benefits are expected as a result of implementing this Safe Harbor Cooperative Agreement and the associated baseline and other enhancement activities outlined above; benefits to be determined by Georgia DNR and USFWS. (check all that apply)

- A. Reduction of habitat fragmentation rates
- B. Maintenance of occupied habitat
- C. Restoration and/or enhancement of unoccupied habitat
- D. Increase in habitat connectivity
- E. Maintenance of current population size
- F. Increase of current population size
- G. Improvement of species population distribution
- H. Reduction of the effects of catastrophic events
- I. Increase in size, or rate of growth, of other populations (support or recovery)
- J. Contribution to research knowledge, management techniques, and/or conservation strategies

**VII. Implementation Plan**

Specify the time frames within which the landowner agrees to accomplish the baseline and other enhancement activities agreed upon in this evaluation form and in Appendix A and B of the Safe Harbor Agreement. For each activity, list the agreed upon dates to accomplish each action.

A. Baseline Activities

1. Activity	_____	Completion Date	_____
2. Activity	_____	Completion Date	_____
3. Activity	_____	Completion Date	_____
4. Activity	_____	Completion Date	_____
5. Activity	_____	Completion Date	_____
6. Activity	_____	Completion Date	_____
7. Activity	_____	Completion Date	_____
8. Activity	_____	Completion Date	_____
9. Activity	_____	Completion Date	_____
10. Activity	_____	Completion Date	_____

B. Enhancement Activities

1. Activity	<u>Harvest Year</u>	Completion Date	<u>2008</u>
2. Activity	<u>Controlled burning</u>	Completion Date	<u>Every 3 years</u>
3. Activity	<u>Hardwood control</u>	Completion Date	<u>As needed</u>
4. Activity	<u>Thinning overstocked stands</u>	Completion Date	<u>As needed</u>
5. Activity	_____	Completion Date	_____
6. Activity	_____	Completion Date	_____
7. Activity	_____	Completion Date	_____
8. Activity	_____	Completion Date	_____
9. Activity	_____	Completion Date	_____
10. Activity	_____	Completion Date	_____

Georgia Department of Natural Resources \_\_\_\_\_, Cooperator

By: \_\_\_\_\_

By: \_\_\_\_\_

Date: \_\_\_\_\_

Date: \_\_\_\_\_

**RED-COCKADED WOODPECKER  
SAFE HARBOR EVALUATION FORM  
for  
GEORGIA LANDOWNERS**

**I. Background Information**

A. Date of Evaluation: 2/16/2006

B. Tract Name: Plant Vogtle, Boat Ramp, E553143

C. Tract Location

    1. County: Burke

    2. Tax Map #: \_\_\_\_\_

    3. Latitude: \_\_\_\_\_ Longitude: \_\_\_\_\_

D. Tract Owner Name: Georgia Power Co.

    Address: 241 Ralph McGill Blvd NE  
Atlanta, GA 30308

    Telephone #: 404-799-2142 Fax #: 404-799-2141

E. Contact Person: Georgia Pearson

    Check one: Owner  Manager  Employee

    Address: 5131 Maner Rd.  
Smyrna, GA 30080

    Telephone #: 404-799-2142

**II. Tract Information**

A. Total tract acreage: 6 acres of 13 year old loblolly pines

B. Number of active clusters for which landowner has 100% cavity tree responsibility: 0

C. Number of active clusters for which landowner has partial cavity tree responsibility: 0

D. Number of active clusters for which landowner has 100% foraging habitat responsibility: 0

    Total Acreage Involved: 0

E. Number of active clusters for which landowner has partial foraging habitat responsibility: 0

    Total Acreage Involved: 0

F. Total number of acres enrolled in Safe Harbor: 6

G. Total basal area (10"DBH and larger stems) provided for RCWs 0

H. Individual(s) who conducted RCW cavity tree surveys:

Georgia Pearson Phone # of primary contact: 404-799-2142

Bret Estep

Carlton Chambers

Jim Candler

I. Individual(s) who calculated foraging habitat analysis:

Georgia Pearson Phone # of primary contact: 404-799-2142

    \_\_\_\_\_

J. Based on the total tract size, current number of active clusters and the associated cluster and foraging habitat, current and/or expected future forest conditions, and the landowner's long-term land management objectives, are there opportunities to increase the RCW population on the tract?

Yes  x  No

If yes, and the tract is large enough to support at least 10 active clusters, is the landowner interested in considering serving as a mitigation bank?

Yes  x  No

**III. Non-Tract Information**

(Georgia DNR and/or USFWS will supply the majority of this information.)

A. Number of active clusters, not located on landowner's tract, for which landowner has partial foraging habitat responsibility:  0  Total acreage involved:  0

B. List all known RCW populations by: 1) tract/owner name; 2) # of active clusters (1 or more); and, 3) distance (to the closest mile), within 10 miles of landowner's property.

Population	_____	Size	_____	Distance	_____
Population	_____	Size	_____	Distance	_____
Population	_____	Size	_____	Distance	_____
Population	_____	Size	_____	Distance	_____
Population	_____	Size	_____	Distance	_____
Population	_____	Size	_____	Distance	_____

**IV. Enhancement Activities for Baseline RCW Groups**

A. How will hardwood basal area and midstory vegetation be controlled in RCW clusters? Check all that apply:

- 1. Prescribed burning @   to   year intervals
- 2. Chemical treatments. List chemicals: \_\_\_\_\_
- 3. Mechanical treatments. List methods: \_\_\_\_\_

B. How will hardwood basal area and midstory vegetation be controlled in RCW foraging habitat? Check all that apply:

- 1. Prescribed burning @   to   year intervals
- 2. Chemical treatments. List chemicals: \_\_\_\_\_
- 3. Mechanical treatments. List methods: \_\_\_\_\_

C. Additional baseline habitat enhancement activities:

- 1. Install artificial cavities in baseline clusters:   cavities in   clusters



## **V. Other Enhancement Activities**

A. What additional management/conservation activities does landowner agree to conduct? Check all that apply:

1. Install artificial cavities in recruitment clusters  
 cavities in  clusters (at least 4 cavities must be installed in each recruitment cluster)
2. Control hardwood midstory outside currently designated RCW habitat  
 6 acres will be treated every  3 years  
 6 acres will be treated as needed  
treatment will be by (check all that apply):  
 prescribed fire  chemical  mechanical
3. Implement forest management practices that benefit RCWs, including:
- a. Increase rotation age  
From  years to  years
- b. Restore stands to the right tree species (typically longleaf pine)  
 acres will be restored
- c. Thin overstocked stands (90 basal area/acre and greater)  
 6 acres will be thinned
4. Provide opportunity for GADNR, USFWS, or third party to translocate juveniles from the tract to other properties (private, state, or federal). *Determinations must first be made by Georgia DNR and USFWS that this is a viable option for the landowner's RCW population; i.e., removal of juvenile RCWs will not result in adverse impacts to the population.*

## **VI. Net Conservation Benefits to RCWs Expected as a Result of this Cooperative Agreement**

(Note: this section to be completed by Administrator)

The following net conservation benefits are expected as a result of implementing this Safe Harbor Cooperative Agreement and the associated baseline and other enhancement activities outlined above; benefits to be determined by Georgia DNR and USFWS. (check all that apply)

- A. Reduction of habitat fragmentation rates
- B. Maintenance of occupied habitat
- C. Restoration and/or enhancement of unoccupied habitat
- D. Increase in habitat connectivity
- E. Maintenance of current population size
- F. Increase of current population size
- G. Improvement of species population distribution
- H. Reduction of the effects of catastrophic events
- I. Increase in size, or rate of growth, of other populations (support or recovery)
- J. Contribution to research knowledge, management techniques, and/or conservation strategies

**VII. Implementation Plan**

Specify the time frames within which the landowner agrees to accomplish the baseline and other enhancement activities agreed upon in this evaluation form and in Appendix A and B of the Safe Harbor Agreement. For each activity, list the agreed upon dates to accomplish each action.

A. Baseline Activities

1. Activity	_____	Completion Date	_____
2. Activity	_____	Completion Date	_____
3. Activity	_____	Completion Date	_____
4. Activity	_____	Completion Date	_____
5. Activity	_____	Completion Date	_____
6. Activity	_____	Completion Date	_____
7. Activity	_____	Completion Date	_____
8. Activity	_____	Completion Date	_____
9. Activity	_____	Completion Date	_____
10. Activity	_____	Completion Date	_____

B. Enhancement Activities

1. Activity	<u>Thinning</u>	Completion Date	<u>2007</u>
2. Activity	<u>Controlled burning</u>	Completion Date	<u>Every 3 years</u>
3. Activity	<u>Hardwood control</u>	Completion Date	<u>As needed</u>
4. Activity	<u>Thinning overstocked stands</u>	Completion Date	<u>As needed</u>
5. Activity	_____	Completion Date	_____
6. Activity	_____	Completion Date	_____
7. Activity	_____	Completion Date	_____
8. Activity	_____	Completion Date	_____
9. Activity	_____	Completion Date	_____
10. Activity	_____	Completion Date	_____

Georgia Department of Natural Resources \_\_\_\_\_, Cooperator

By: \_\_\_\_\_

By: \_\_\_\_\_

Date: \_\_\_\_\_

Date: \_\_\_\_\_

**COOPERATIVE SAFE HARBOR MANAGEMENT AGREEMENT  
(2005 UPDATED VERSION)  
NO. 28  
For  
RED-COCKADED WOODPECKERS (*Picoides borealis*) AND THEIR HABITAT  
ON PRIVATE LAND IN GEORGIA**

Attachment B  
Baseline Responsibilities for Foraging Habitat for Clusters on Neighboring Lands

Baseline Responsibilities for Foraging Habitat for Clusters on Neighboring Lands to be developed once a baseline RCW population is established.

**Southern Nuclear Operating Company**

**ND-10-0923**

**Attachment C**

**Relocation Plan for Southeastern Pocket Gopher (*Geomys pinetis*)**

**VEGP Units 3 and 4 COL Application**

**Post New and Significant Audit Supporting Information  
(May 2010)**

## Relocation Plan for *Geomys pinetis*

### Introduction

Recently, three colonies of southeastern pocket gopher (*Geomys pinetis*) were discovered within two areas of upcoming land disturbance. Georgia Department of Natural Resources (DNR) lists this species as state threatened with a State Rarity Rank of S4 (i.e., apparently secure in state & of no immediate conservation concern). Numerous additional colonies have been observed throughout other portions of the property which are not slated for land disturbance. The species is considered locally abundant in the proximity of the project site.

Although *G. pinetis* is considered locally abundant and is in no need of immediate conservation concern, Southern Company recognized the ecological value of the species in the ecoregion where our project site resides. Personnel from Southern Nuclear Environmental Affairs, Georgia Power Biological Services, Georgia Power Land Department, and GADNR have collaborated for a voluntary live trapping and relocation effort of this protected species to other suitable habitat on our site. Currently, there is limited information available which documents previous attempts at relocation of *G. pinetis*. This voluntary relocation project initiated by Southern Nuclear Company will provide essential data to DNR biologists to help further the understanding of the distribution, ecology, and future management strategies of this species.

### Methods & Materials

A series of standard rodent live traps will be installed throughout the three colonies identified for relocation. Each trap will be checked periodically throughout the day, prior to leaving the site each day, and upon arrival to the site each day. Traps will not be left overnight if Environmental Affairs personnel are not scheduled for work the next day. Trapping efforts will be initiated during the week of March 8<sup>th</sup>, 2010 and will conclude

once the estimated number of gophers have been removed or at the conclusion of two weeks of effort.

Attempts will be made to weigh, measure, and collect pellets from the gophers prior to relocation. Gophers will be relocated to adjacent gopher colonies located within the existing Red Cockaded Woodpecker Safe Harbor Agreement area currently owned and operated by Georgia Power/Southern Nuclear. Biologists will make every effort to relocate animals to long leaf pine stands or other suitable habitat which are in protective plans at the site. A small area of the topsoil at the relocation site will be scarred to facilitate gopher burrowing. A GPS location will be taken for each location where a gopher was captured and subsequently relocated. GPS data will be provided to DNR personnel.

A pedestrian survey of each of the relocation sites will be conducted once a week for four weeks. Observations made by SNC biologists on mounding activity will be provided to DNR biologists. Since this voluntary project is serving as a pilot relocation project for this species, the relocation of any animals will be considered a success. The data produced from this study will provide essential information for the management and long term survival of this species.

**Southern Nuclear Operating Company**

**ND-10-0923**

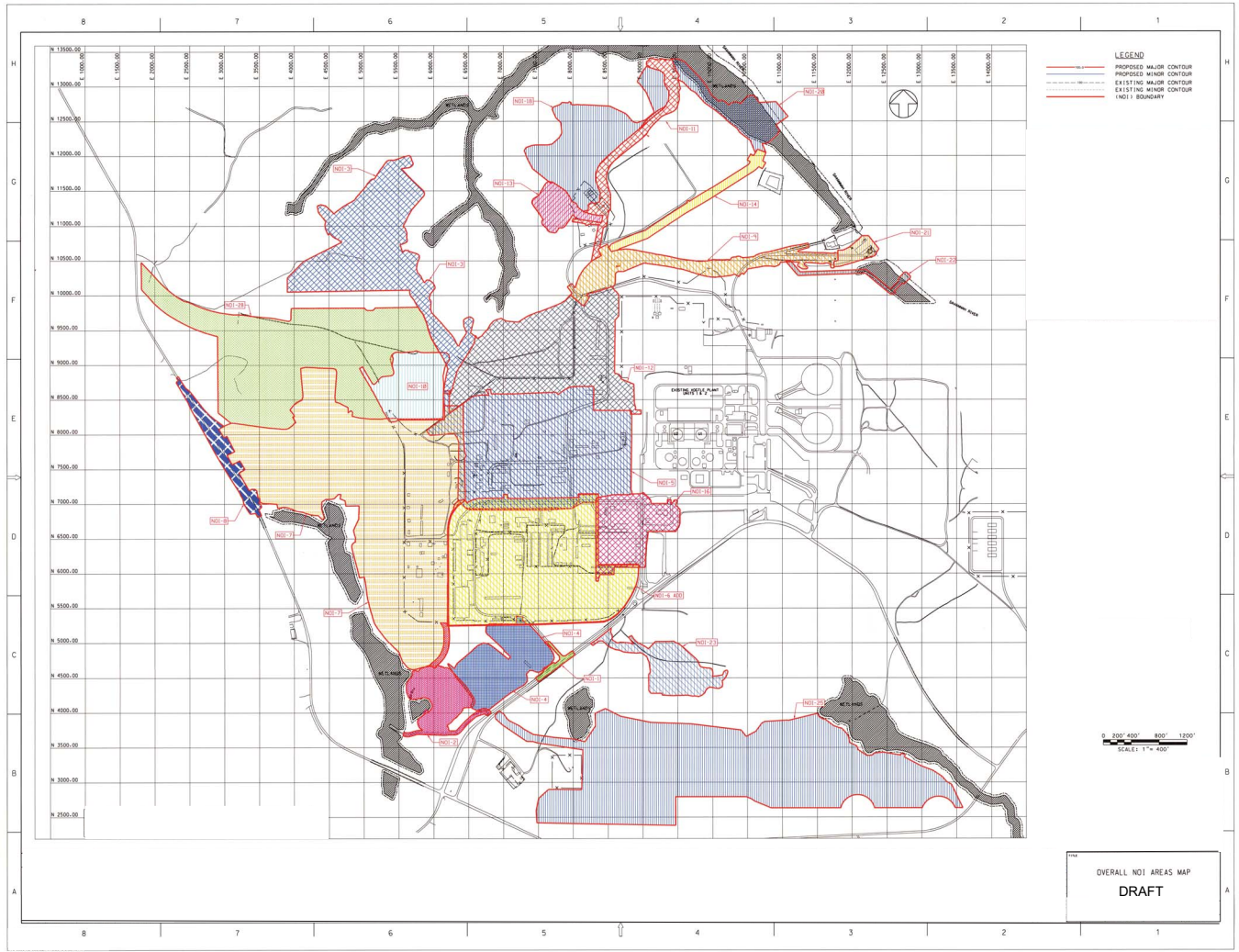
**Attachment D**

**Draft Overall NOI Areas Map**

**VEGP Units 3 and 4 COL Application**

**Post New and Significant Audit Supporting Information  
(May 2010)**





**LEGEND**  
 PROPOSED MAJOR CONTOUR  
 PROPOSED MINOR CONTOUR  
 EXISTING MAJOR CONTOUR  
 EXISTING MINOR CONTOUR  
 NOI BOUNDARY

0 200' 400' 800' 1200'  
 SCALE: 1" = 400'

OVERALL NOI AREAS MAP  
 DRAFT

**Southern Nuclear Operating Company**

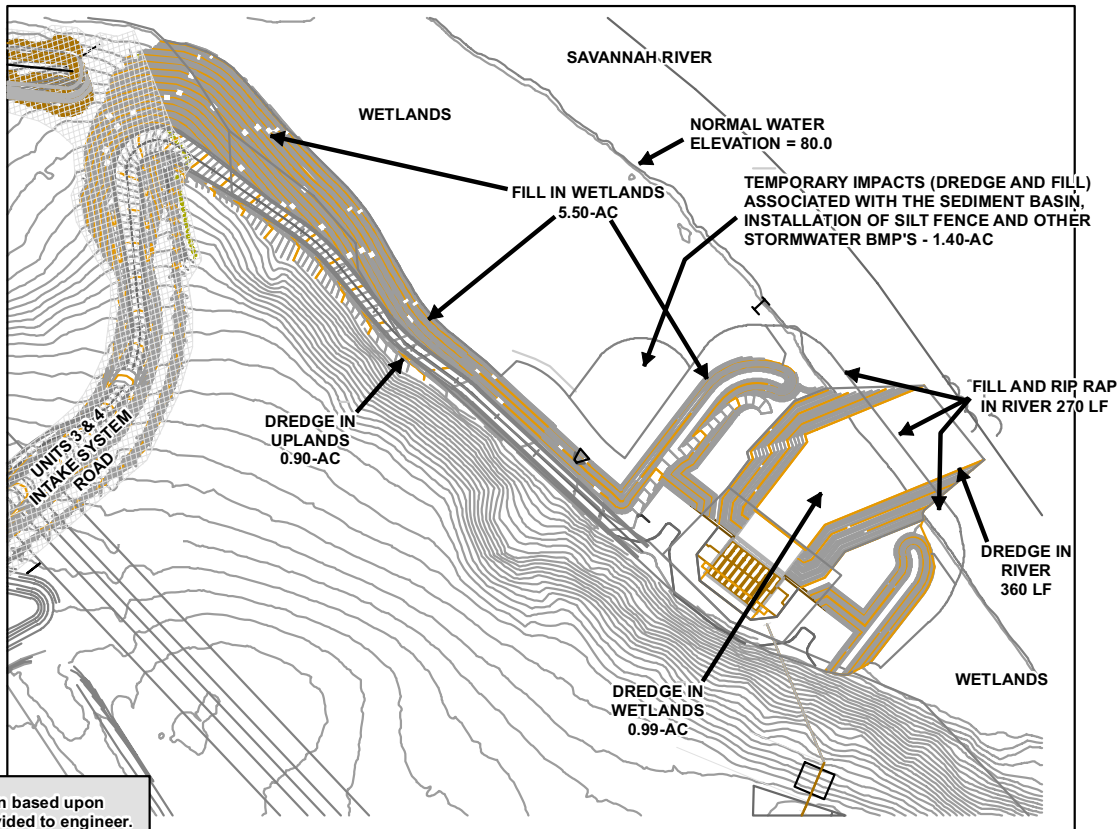
**ND-10-0923**

**Attachment E**

**River Water Intake General Arrangement Drawing  
(U.S. Army Corps of Engineers 404 Permit Application)**

**VEGP Units 3 and 4 COL Application**

**Post New and Significant Audit Supporting Information  
(May 2010)**



Wetland depiction based upon interpreted data provided to engineer.

Base Map: Provided by The Shaw Group, Inc.

Prepared  
January 15, 2010  
By:

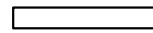
**REGISTER NELSON**  
Environmental Consultants

45 Parkland Dr. Stockbridge, GA 30281  
Office: (678) 432-2636 Fax: (678) 432-2464

**Sheet 1**  
**(Proposed Conditions)**

Vogtle Nuclear Power Plant  
Burke County, Georgia  
for  
**Southern Nuclear Operating Company, Inc.**

275



Feet



X:\Eco-sciences\Plant Vogtle\GIS\maps\Sheet\_1.mxd

**Southern Nuclear Operating Company**

**ND-10-0923**

**Attachment F**

**Various Environmental Site Activity Summaries**

**VEGP Units 3 and 4 COL Application**

**Post New and Significant Audit Supporting Information  
(May 2010)**

## Vogtle Land Management Program Narrative

Prior to the start of any land disturbing activities in each new area of the site that is greater than one acre, an Erosion, Sedimentation and Pollution Control (ES&PC) plan is developed. This plan is a requirement of the Georgia Environmental Protection Division (EPD) Construction Storm Water Permit and includes provisions for stabilizing the site with permanent vegetation once land disturbing activities have been completed. The ES&PC re-vegetation plan includes specifications on final grading and shaping, the application of lime and fertilizers, plant selection, seed preparation and planting methods.

According to the conditions of the Construction Storm Water Permit, a site is considered stabilized when 100% of the ground surface is 70% covered with permanent vegetation. Only then can a Notice of Termination be submitted to EPD and permit coverage ended at the site.

Once an area of the site that has undergone permanent stabilization and had a Notice of Termination submitted to EPD, it will be turned over to the site's Land Resources Supervisor for incorporation into the facilities Land Management plan.

The primary goal of the Vogtle Land Management Plan is to manage the site with an emphasis on wildlife management within an economically viable forest while maintaining a commitment to environmental stewardship. As discussed in the plan, the specific timber management objectives are to:

1. Divide Plant Vogtle into manageable compartments according to land features, timber types, and land-use limitations.
2. Identify stands that have potential to be managed by rotation and to implement Timber Stand Improvement (TSI) practices, which will remove inferior trees and enhance the productivity of the residual stand.
3. Develop a timber management activity schedule for each stand with emphasis on generating revenue while improving the quality of growing stock.
4. Salvage any merchantable timber that is damaged due to storms, insects and disease outbreaks, and fire.
5. Protect and enhance threatened and/or endangered species of wildlife and their habitat.
6. Wisely manage water and soil resources, aesthetics, and recreation interests.
7. Generate revenue by harvesting timber, and to reforest cutover areas by natural or artificial means.
8. Coordinate all timber management activities with Southern Nuclear Management and Environmental Affairs personnel.
9. Enhance wildlife conservation practices on Plant Vogtle through the Forestry for Wildlife Partnership (FWP).
10. Provide the interested public, upon request, with information regarding land management of Plant Vogtle.

The most recently planted pine stands at the Vogtle site have been planted in Longleaf Pine. This species is ideally suited to the soil type and topography found in the region. These stands will be uneven aged managed on long rotations. All future plantings will be Longleaf Pine, unless site characteristics dictate the planting of other species.

**Site Walkdown – Plant Vogtle - NOI Area 28**  
May 4, 2010

SNC Environmental Affairs Personnel:

Tom Moorer  
Bob Brinkman  
Bob Allen  
Dale Fulton  
Matt Montz

The purposes of the site walkdown were to allow the NRC to independently evaluate SNCs New and Significant evaluation of NOI 28 and observe the recently discovered mounds of the Southeastern pocket gopher.

During the site walkdown, SNC and GaDNR personnel observed an active nest of a Chuck Will's Widow (*Caprimulgus carolinensis*), a nocturnal bird of the nightjar family *Caprimulgidae*. This species is migratory and protected under the Migratory Bird Treaty Act.

SNC environmental affairs staff will establish an exclusion zone around the nest and land disturbing activities within this area will be postponed until the eggs have hatched and the chicks fledge and abandon the nesting area. In the event the eggs or chicks suffer natural predation, SNC environmental affairs will contact GaDNR. It is not known when the eggs were laid, however, Chuck Will's Widow eggs are incubated for 20-24 days with the chicks fledging in about 17 days. Additionally, the Critical Environmental Areas Procedure, developed to provide additional assurances that new or previously unidentified 'critical environmental areas,' such as wetlands, threatened, endangered and protected species, cultural resource, etc. would be identified, will be revised to aid in the identification of migratory birds and their nests.

Also observed during the site walkdown, in the same general area as the Chuck Will's Widow, was a Georgia State listed threatened (S2 - imperiled in state because of rarity) plant species, the sandhills milkvetch (*Astragalus michauxii*). SNC environmental affairs personnel have contacted GaDNR for guidance regarding voluntary relocation activities and/or their desire to perform additional plant surveys. This area is included in the exclusion zone established for the Chuck Will's Widow and will not be impacted until consultations with GaDNR have been completed.

No other protected species and no new pocket gopher mounding were observed during the walkdown. SNC Environmental Affairs will continue to coordinate the ongoing voluntary southeastern pocket gopher trapping effort with GaDNR. The existing pocket gopher relocation plan will be amended as necessary.

Others present during site walkdown:

John Jenson (GaDNR)  
Mallecia Sutton (NRC)  
Nancy Kuntzleman (NRC)  
Greg Hatchett (NRC)  
Mark Notich (NRC)  
Tara O'neil (PNNL)  
Amanda Stegen (PNNL)  
Mike Sackschewsky (PNNL)