

Appendix A

Comments Received on the Environmental Review

Appendix A

Comments Received on the Environmental Review

Part I – Comments Received During Scoping

On January 12, 2005, the U.S. Nuclear Regulatory Commission (NRC) published a notice of intent in the *Federal Register* (70 FR 2188) to notify the public of the staff's intent to prepare a plant-specific supplement to the *Generic Environmental Impact Statement for License Renewal of Nuclear Plants* (GEIS), NUREG-1437, Volumes 1 and 2, to support the renewal application for the Brunswick Steam Electric Plant, Units 1 and 2 (BSEP) operating license and to conduct scoping. The plant-specific supplement to the GEIS has been prepared in accordance with the National Environmental Policy Act of 1969 (NEPA), and Title 10 of the Code of Federal Regulations (CFR) Part 51. As outlined by Part 51, the NRC initiated the scoping process with the issuance of the *Federal Register* Notice. The NRC invited the applicant; Federal, State, and local government agencies; Native American tribal organizations, local organizations; and individuals to participate in the scoping process by providing oral comments at scheduled public meetings and/or submitting written suggestions and comments no later than March 11, 2005.

The scoping process included two public scoping meetings, which were held at Southport City Hall in Southport, North Carolina, on January 27, 2005. Approximately 40 people attended the meetings. Each session began with NRC staff members providing brief overviews of the license renewal process and the NEPA process. After the NRC's prepared statements, the meetings were open for public comments. Seven attendees provided oral statements that were recorded and transcribed by a certified court reporter. The meeting transcripts are an attachment to the Scoping Meeting Summary (ML050730184) dated March 11, 2005. No additional comments were received by the NRC.

At the conclusion of the scoping period, the NRC staff and its contractors reviewed the transcripts to identify specific comments and issues. Each set of comments from a given commenter was given a unique identifier (Commenter ID) so the comments could be traced back to the original transcript containing the comment. Specific comments were numbered sequentially within each comment set.

Table A.1 identifies the individuals who provided comments applicable to the environmental review and the Commenter ID number associated with each set of comments. Individuals who spoke at the scoping meetings are listed in the order in which they spoke at the public meeting. To maintain consistency with the *Brunswick Scoping Summary Report* dated May 24, 2005, the unique identifier used in that report for each set of comments is retained in this report.

Appendix A

Table A-1. Individuals Providing Comments During Scoping Comment Period

Commenter ID	Commenter	Affiliation (If Stated)	Comment Source
A	Norman Holden	Mayor, City of Southport	Afternoon Scoping Meeting
B	Paul Fisher	Alderman, City of Southport	Afternoon Scoping Meeting
C	Mike Reaves	President, Brunswick Community College	Afternoon Scoping Meeting
D	Connie Majure-Rhett	Greater Wilmington Chamber of Commerce	Afternoon Scoping Meeting
E	Karen Sphar	Southport-Oak Island Chamber of Commerce	Afternoon Scoping Meeting
F	May Moore	Brunswick County Commissioner	Evening Scoping Meeting
G	Cynthia Tart	Director of Communities and Schools in Brunswick County, Chairman of County Parks and Recreation Board	Evening Scoping Meeting

Specific comments were categorized and consolidated by topic. Comments with similar specific objectives were combined to capture the common essential issues raised by the commenters. The comments fall into one of the following general groups:

- Specific comments that address environmental issues within the purview of the NRC environmental regulations related to license renewal. These comments address Category 1 or Category 2 issues or issues that were not addressed in the GEIS. They also address alternatives and related Federal actions.
- General comments (1) in support of or opposed to nuclear power or license renewal or (2) on the renewal process, the NRC's regulations, and the regulatory process. These comments may or may not be specifically related to the BSEP license renewal application.
- Questions that do not provide new information.
- Specific comments that address issues that do not fall within or are specifically excluded from the purview of NRC environmental regulations. These comments typically address

issues such as the need for power, emergency preparedness, current operational safety issues, and safety issues related to operation during the renewal period.

Each comment received during this scoping process is summarized in the Brunswick Scoping Summary Report. The ADAMS accession number for the summary report is ML051440479. This accession number is provided to facilitate access to the document through the Public Electronic Reading Room (ADAMS) at <http://www.nrc.gov/reading-rm.html>.

The following pages summarize the comments and suggestions received as part of the scoping process and discuss the disposition of the comments and suggestions. The parenthetical alpha-numeric identifier after each comment refers to the comment set (Commenter ID) and the comment number.

Comments in this section are grouped in the following categories:

- A.1.1. General Support of Nuclear Power
- A.1.2. Questions about the License Renewal Process
- A.1.3. General Support of License Renewal at Brunswick Steam Electric Plant, Units 1 and 2
- A.1.4. Comments Concerning the Environment
- A.1.5. Comments Concerning Socioeconomics
- A.1.6. Comments Concerning Plant Operations and Safety
- A.1.7. Comments Concerning Waste Management

A.1 Comments and Responses

A.1.1. General Support of Nuclear Power

Comment: I firmly believe that the future generation of electricity should be geared towards nuclear plants. (B-5)

Response: *This comment is supportive of nuclear power and is general in nature. The comment provides no new information; therefore, it will not be evaluated further.*

A.1.2. Questions about the License Renewal Process

Comment: I think the one question that we all would ask is assuming that the license is renewed in 14 and 16, 20 years down the road, what happens next? Do you renew again, or do you have to mothball this plant? And I think the area would be very concerned about where that would leave us. (F-4)

Appendix A

Response: *If the licensee desires, based on a variety of economic and structural factors, current regulations do allow the opportunity to renew the operating license again for another 20 years. The decision to apply would be up to the licensee, and could be made up to 20 years before the end of the license, which in this situation would be around 2014 and 2016 if the current licenses are renewed. This comment requests information about the license renewal process and provide no new information; therefore, it will not be evaluated further.*

A.1.3. General Support of License Renewal at Brunswick Steam Electric Plant, Units 1 and 2

Comment: The plant means so much to the City of Southport, and we really need to see it relicensed. ...But ladies and gentlemen, you are the ones that make the decision. I'm up here, and I would get on my knees if I could get back up, to beg for you to please relicense the Brunswick nuclear plant. (A-1)

Comment: I strongly recommend that you renew the license for the Brunswick plant. By doing that, I think you'll go into a win-win situation. (B-4)

Comment: I'm here today to support the Brunswick nuclear plant and their application for license renewal. ...I strongly encourage you to support their [Brunswick] application. (C-1)

Comment: On behalf of the 1650 companies that are members of the Greater Wilmington Chamber of Commerce, I would like to voice my very strong support for the processes, products and people of Progress Energy's Brunswick Nuclear Plant. ...Without a doubt, this facility and this company is an impressive one. Relicensing should be an obvious outcome of your work. (D-1)

Comment: Thank you for the opportunity to speak favorably about the license renewal application for Progress Energy's Brunswick plant. ...We are grateful to have the plant and Progress Energy as part of our community. We encourage the NRC to look favorably on this license renewal. (E-1)

Response: *These comments are supportive of license renewal for BSEP and are general in nature. The comments provide no new information; therefore, they will not be evaluated further.*

A.1.4. Comments Concerning the Environment

Comment: Environmentally, the plant has contributed to the ongoing study of marine life in our area, and they take great pride in the protection of that marine life. (E-3)

Comment: The nuclear power plant is environmentally clean. ...We have good fish. We have good birds. We have clean water. We have clean air. We'd like to keep it that way, and we feel that Progress Energy and the Nuclear Regulatory Commission have worked to make this happen for us, and it's been a big help for us. (F-4)

Response: *These comments are supportive of BSEP's impact on the environment and are general in nature. The comments provide no new information; therefore, they will not be evaluated further.*

A.1.5. Comments Concerning Socioeconomics

Comment: [The plant means so much]...not only to Southport, southeastern North Carolina, but for the whole state of North Carolina because all of you are aware of the economy. ...But when the nuclear plant came to Southport, things really began to prosper. (A-2)

Comment: This plant has a huge impact on our local economy – \$901 million in 2003, 14 percent of our region's economic output. Economies don't start and stop at county lines, but if you go a few miles up the river to New Hanover County where my office is, the impact is still huge. ...Then there are the contributions this company makes that are harder to quantify but equally valuable to this region. (D-3)

Comment: [T]he plant has an overwhelming economic impact on the economy of our area. ...Not only has the plant been good for the economy, the employees of the plant are active in our community. (E-2)

Comment: This plant provides stable and excellent paying jobs to that workforce. (E-4)

Comment: They have done an enormous thing for our tax base since the '70s when the power plant began being constructed. ...It's not as an enormous a part of our tax base as it was in 1970 or '75, obviously, but it's still quite a large part of the money that both the town of Southport and the County of Brunswick counts on, so that is an issue. (F-2)

Response: *These comments are supportive of BSEP's impact on the local economy and are general in nature. The comments provide no new information; therefore, they will not be evaluated further.*

Comment: And we have a great relationship with Progress Energy and the Brunswick plant here for community relations. ...It's a definite asset to the community. We have an outstanding relationship, in my opinion, with the plant out there and Progress Energy. (B-2)

Appendix A

Comment: They have been and continue to be a good corporate partner with the college. ...We also in the past have had a wonderful relationship with them in providing education, both there on the site as well as having students from there coming on our campus. (C-2)

Comment: Without a doubt, Progress Energy is among the best corporate citizens I have ever had the pleasure of working with. But as important as that is, the human capital invested in our region by employees of Progress Energy. ...Our community is better because of these corporate and individual efforts. (D-4)

Comment: I'm delighted to be here on behalf of Progress Energy. They've been a wonderful corporate neighbor in Brunswick County. ...They've worked with us on fire and rescue and security, which is important. ...Progress Energy lets us use their media center. They work with us on school programs. They're a source of employment of many friends and neighbors of mine, so it's been an excellent neighbor and a great addition to the county. (F-1)

Comment: In a partnership with a lease agreement with Progress Energy, we now have a park here in the Southport/Oak Island area, and without the partnership with Progress Energy, that would not be possible. (G-2)

Response: *These comments are supportive of CP&L's relationship with the community and are general in nature. The comments provide no new information; therefore, they will not be evaluated further.*

Comment: They [CP&L] have enabled vast improvement to our school system. (F-3)

Comment: I've been here for 35 years, and I've seen, as May has said, what an impact the company has had on the community, the jobs it's provided, the educational resources it's provided in the schools. (G-1)

Comment: And if I could mention something as a plea ...The plant sitting here has so many resources as far as education for our children, and they are our future. ...[I]f we had some of those resources in the schools working with our science teachers, you know, what could we be teaching our children, our future, about nuclear plants in their area, about their future, about jobs that are there? So I would encourage just the connection there, to -- to work on it and to strengthen it to better educate our children and just join forces with 'em. (G-3)

Response: *These comments refer to CP&L's supportive relationship with the local schools, encourages additional support, and are general in nature. The comments provide no new information; therefore, they will not be evaluated further.*

A.1.6. Comments Concerning Plant Operations and Safety

Comment: I think if you look at the operations of the Brunswick plant, you'll find why we talk about operations. It's always something nice to talk about because it's always way up here. They are the world leaders and that's documented. (B-1)

Comment: In the City of Southport we're very comfortable with the nuclear plant out here, and we're proud of their operating record and safety record. (B-3)

Comment: I have personally visited the plant on several occasions and have confidence in the personnel that work there. ...I view the Brunswick nuclear plant as a clean and safe industry, one that is sensitive to the environment. They do an excellent job of keeping the public informed about drills and other safety issues. (C-3)

Comment: The plant is a safe, well-run, efficient facility. (D-2)

Response: *These comments address BSEP's operational safety record and are general in nature. The comments provide no new information; therefore, they will not be evaluated further.*

A.1.7. Comments Concerning Waste Management

Comment: I am completely comfortable with the safety of how we store spent fuel. However, I urge the federal government to get along with the YUCCA mountain project. (B-6)

Response: *This comment is in support of how spent fuel is handled at BSEP, and encourages completion of a permanent high-level waste storage facility. The comment provides no new information; therefore, it will not be evaluated further.*

Part II. Comments Received on the Draft SEIS

Pursuant to 10 CFR Part 51, the staff transmitted the *Generic Environmental Impact Statement for License Renewal of Nuclear Plants, Regarding Brunswick Steam Electric Plant, Units 1 and 2, Draft Report for Comment* (NUREG-1437, Supplement 25, referred to as the draft SEIS) to Federal, State, Native American Tribal, and local government agencies as well as interested members of the public. As part of the process to solicit public comments on the draft SEIS, the staff:

- placed a copy of the draft SEIS in the NRC's electronic Public Document Room, its license renewal website, and at the William Madison Randall Library in Wilmington, North Carolina,
- sent copies of the draft SEIS to the applicant, members of the public who requested copies, and certain Federal, State, Native American Tribal, and local agencies,
- published a notice of availability of the draft SEIS in the *Federal Register* on September 7, 2005, (70 FR 53257),
- issued public announcements, such as advertisements in local newspapers and postings in public places, of the availability of the draft SEIS,
- announced and held public meetings in Southport, North Carolina, on October 18, 2005, to describe the results of the environmental review and answer related questions,
- issued public service announcements and press releases announcing the issuance of the draft SEIS, the public meetings, and instructions on how to comment on the draft SEIS,
- established an e-mail address to receive comments on the draft SEIS through the Internet.

During the draft SEIS comment period, the staff received a total of three comment letters from reviewing agencies. No commenters spoke during the public meetings. The staff reviewed the public meeting transcripts and the comment letters that are part of the docket file for the application, all of which are available in the NRC's Agencywide Documents Access Management System (ADAMS). ADAMS is accessible at <http://www.nrc.gov/reading-rm/adams.html>. The ADAMS accession number for the public meeting summary, which includes the complete meeting transcripts, is ML053320483. Appendix A, Part II, Section A.2, contains a summary of the comments and the staff's responses. Appendix A, Part II, Section A.3, contains the comment letters.

Each comment identified by the staff was assigned a specific alpha-numeric identifier (marker). That identifier is typed in the margin of the letter at the beginning of the discussion of the comment. A cross-reference of the alpha-numeric identifiers, the author of the comment, the page where the comment can be found, and the section(s) of this report in which the comment

is addressed is provided in Table A-2. Comments were identified in two of the three comment letters. These comment letters are identified by the letters A and B. The accession number is provided for the written comments after the letter date to facilitate access to the document through ADAMS.

Table A-2. Comments Received on the Draft SEIS

Commenter ID	Commenter	Comment Source and ADAMS Accession Number	Page of Letter with Comment	Section(s) Where Addressed
D-A-1	Heinz Mueller, EPA Region IV	Letter, ML0534301110	A-14	A.2.1
D-A-2	Heinz Mueller, EPA Region IV	Letter, ML0534301110	A-15	A.2.2
D-B-1	Edward O'Neil, Progress Energy	Letter, ML0533604330	A-18	A.2.3
D-B-2	Edward O'Neil Progress Energy	Letter, ML0533604330	A-18	A.2.3
D-B-3	Edward O'Neil Progress Energy	Letter, ML0533604330	A-18	A.2.3
D-B-4	Edward O'Neil Progress Energy	Letter, ML0533604330	A-18	A.2.3
D-B-5	Edward O'Neil Progress Energy	Letter, ML0533604330	A-18	A.2.3
D-B-6	Edward O'Neil Progress Energy	Letter, ML0533604330	A-18	A.2.3
D-B-7	Edward O'Neil Progress Energy	Letter, ML0533604330	A-18	A.2.1
D-B-8	Edward O'Neil Progress Energy	Letter, ML0533604330	A-18	A.2.3
D-B-9	Edward O'Neil Progress Energy	Letter, ML0533604330	A-19	A.2.1
D-B-10	Edward O'Neil Progress Energy	Letter, ML0533604330	A-19	A.2.3
D-B-11	Edward O'Neil Progress Energy	Letter, ML0533604330	A-19	A.2.3
D-B-12	Edward O'Neil Progress Energy	Letter, ML0533604330	A-19	A.2.3
D-B-13	Edward O'Neil Progress Energy	Letter, ML0533604330	A-19	A.2.3
D-B-14	Edward O'Neil Progress Energy	Letter, ML0533604330	A-19	A.2.3
D-B-15	Edward O'Neil Progress Energy	Letter, ML0533604330	A-20	A.2.3
D-B-16	Edward O'Neil Progress Energy	Letter, ML0533604330	A-21	A.2.3

A.2 Comments and Responses

Comments in this section are grouped in the following categories:

- A.2.1 Comments Concerning Aquatic Ecology
- A.2.2 Comments Concerning Human Health and Radiological Impact
- A.2.3 Comments Concerning Socioeconomics
- A.2.4 Editorial Comments

A.2.1 Comments Concerning Aquatic Ecology

Comment: Protecting the environment involves...continuing measures to limit bioentrainment and other impacts to aquatic species from surface water withdrawals and discharges. D-A-1

Response: *The BSEP's cooling system is described in Section 2.1.3 of this SEIS. Sections 2.2.2 and 2.2.3 describe how the NPDES permit, issued by NCDNER with oversight by US EPA and renewed periodically, ensures protection of aquatic resources. Sections 4.1.1, 4.1.2, and 4.1.3 evaluate the potential impacts associated with continued operation of the intake and discharge. With regards to the intake, the NPDES permit limits are designed to minimize impingement and entrainment of organisms at the plant. In addition, based on the new EPA regulations for cooling water intakes (Section 316b of the Clean Water Act), BSEP is in consultation with NCDENR to determine if any additional requirements are necessary for compliance with the new regulation's performance standards. Regarding the discharge, the facility, through its NPDES permit, is required to regulate all aspects of its discharge, including the chemical concentration, thermal characteristics, and the flow regime. Oversight of the facility's compliance with its permit requirements is conducted by NCDENR. It should also be noted that all aspects of the facility's discharge were evaluated as part of this SEIS for the BSEP and that no additional environmental impacts were identified beyond those identified herein.*

Comment: Page 2-28, lines 35-36: It is requested that the last sentence be re-worded to state "No shortnose sturgeon have been collected at BSEP (CP&L 2004a)." This is consistent with information presented in the license renewal application (i.e., page 2-12 of the Environmental Report). D-B-7

Response: *The last sentence will be revised as stated.*

A.2.2 Comments Concerning Human Health and Radiological Impact

Comment: The EIS should discuss a scenario that addresses the impact of a release from a spent fuel storage cask, and the resulting implications of a dose to plant personnel and the public. The resulting effective dose equivalent at the exclusion area boundary and in the low population zone should be calculated. The document does not address the consequences of a breach on this facility and the resulting consequences to the public. In addition, since

Brunswick is located on the Atlantic Coast, additional contingencies may need to be considered to secure fuel stored in casks onsite during category 4 or 5 hurricanes. D-A-2

Response: *This comment by EPA relates to potential impacts from dry cask storage of spent fuel. On-site spent fuel storage facilities are licensed separately from the reactor license renewal process. The NRC authorizes the storage of spent nuclear fuel at an independent spent fuel storage facility (ISFSI) under two licensing options: a site-specific license or a general license.*

Under the site-specific license option, the NRC performs a technical review of the safety aspects of the proposed ISFSI following the receipt of a license application. If the application is approved, the NRC issues a site-specific spent fuel storage license that specifies the technical requirements and operating conditions (fuel specifications, cask leak testing, surveillance, and other requirements). This license is valid for 20 years and is a stand-alone license, independent of the NRC license to possess and operate a nuclear power facility.

Under the general license option, a nuclear plant licensee is authorized to store spent fuel in NRC-approved casks that have been demonstrated to meet the requirements of 10 CFR Part 72 and have been issued a Certificate of Compliance for use at an existing site that is licensed for operating a nuclear power reactor under 10 CFR Part 50. Prior to such use, the licensee is required to perform evaluations that demonstrate to the NRC that their site is adequate for storing spent fuel in dry casks by showing that the conditions and technical specifications in cask's Certificate of Compliance can be met. The licensee also must review its programs for security, emergencies, quality assurance, training, and radiation protection and must make the necessary changes to incorporate the ISFSI at its reactor site. The NRC performs on-site inspections to verify that the ISFSI is operated in accordance with the relevant specifications and requirements.

Under either of the above licensing options, the site-specific safety aspects of the selected dry cask spent fuel storage facility will be reviewed and approved by the NRC, and that review will include the assessment of the potential consequences of an accident affecting the cask. This comment provides no new significant information and will not be further evaluated. No change was made to the SEIS to address this comment.

A.2.3 Comments Concerning Socioeconomics

Comment: Page 2-49, lines 26-29: This section discusses erosion at Caswell Beach and speculation that the BSEP cooling water outfall may be a contribution factor.

On page 3 of the July 2003 issue of the "Caswell Beach Sandpiper," published by the Town of Caswell Beach, there is discussion of investigation of beach erosion funded by the Town. The article states:

Appendix A

...although an obvious erosion hot spot exists in the area extending from just east of the pumping station, this area experienced significant rates of erosion even before the pumping station was built. In fact, erosion rates in this area were considerably greater “before construction” compared to “after construction.”

Additionally, in an article in the April 16, 2003 edition of “The State Port Pilot,” newspaper, entitled “Erosion not fault of outfall,” the investigator is quoted as telling the town commissioners:

There is nothing in the history of shoreline changes that would indicate that the pumping station has had any impact on shoreline changes along Caswell Beach and the east end of Oak Island.

It is requested that this section be re-written to acknowledge the Town of Caswell Beach Investigation. D-B-9

Response: Section 2.2.8.4 has been revised to address the issue of beach erosion.

A.2.4 Editorial Comments

Comment: Page xii, line 15; Page 2-7, line 3; Page 2-14, line 21; Page 2-48, line 21: “BESP” should be “BSEP”. D-B-1

Comment: Page 1-8, line 2: The license renewal application was submitted by letter dated October 18, 2004. D-B-2

Comment: Page 2-23, line 30: “king fish” should be “Southern kingfish”. D-B-3

Comment: Page 2-23, line 31: “Mentaicirrhus” should be “*Menticirrhus*”. D-B-4

Comment: Page 2-25, lines 6-8: Atlantic sturgeon’s scientific name should be “*Acipenser oxyrinchus*” versus “*Acipenser oxyrinchus oxyrinchus*”. D-B-5

Comment: Page 2-39, line 36: “Witherspoon” should be “Weatherspoon”. D-B-6

Comment: Page 4-31, line 9: “procedures” should be “a guideline”. D-B-8

Comment: Page 4-31, lines 10 and 11: It is requested that the last sentence be re-written to state: “This guideline provides that cultural resource assessments be performed for certain land-disturbing activities and provides guidance on inadvertent discoveries of graves or archaeological sites.” D-B-10

Comment: Page 4-36, line 27: “licenser renewal” should be “license renewal”. D-B-11

Comment: Page 4-39, line 16: “Military Ocean Port Sunny Point” should be “Military Ocean Terminal Sunny Point”. D-B-12

Comment: Page 4-39, line 27: It is requested that the words “and tracks” be removed from the sentence. The current wording overstates CP&L’s activities regarding terrestrial species. D-B-13

Comment: Page 8-50, line 26: “BFN” should be “BSEP”. D-B-14

Response: *The text will be edited accordingly.*

Comment: Page 2-23, lines 14 and 32: *Symphurus plagiusa* is referred to as blackcheek tonguefish on line 14, and as sole on line 32. D-B-15

Response: *“sole” on line 32 has been changed to “blackcheek tonguefish”.*

Comment: The current maximum dependable capacity is 938 MW(e) for Unit 1 and 900 MW(e) for Unit 2. The value of 1006 MW(e) was used for conservatism. D-B-16

Response: *The text has been revised to reflect the comment. Revised text on page G-28 (first sentence after the equation for RPC) now reads: “... which conservatively bounds the maximum dependable capacity of 938 MW(e) for Unit 1 and 900 MW(e) for Unit 2.” The word “Therefore” was deleted from the next sentence.*



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 4
ATLANTA FEDERAL CENTER
61 FORSYTH STREET
ATLANTA, GEORGIA 30303-8960

December 2, 2005

Chief, Rules Review and Directives Branch
U.S. Nuclear Regulatory Commission
Mail Stop T6-D59
Washington, D.C. 20555-0001

9/7/05
TOFR 53254
②

RECEIVED

2005 DEC -7 PM 3:29

RULES & DIRECTIVES

**RE: EPA Review and Comments on
Draft Generic Supplemental Environmental Impact Statement (DGSEIS)
License Renewal of Nuclear Plants, Supplement 25
Regarding Brunswick Steam Electric Plant, Units 1 and 2
CEQ No. 20050362**

Dear Sir:

The U. S. Environmental Protection Agency (EPA) Region 4 reviewed the Draft Generic Supplemental Environmental Impact Statement (DGSEIS), pursuant to Section 309 of the Clean Air Act, and Section 102 (2)(C) of the National Environmental Policy Act (NEPA). The purpose of this letter is to provide the Nuclear Regulatory Commission (NRC) with EPA's comments regarding potential impacts of the proposed renewal of the Operating Licenses (OLs) for Brunswick Steam Electric Plant, Units 1 and 2.

The Carolina Power & Light Company (CP&L) submitted an application to renew the Operating Licenses (OLs) for the Brunswick Steam Electric Plant Units 1 and 2 for an additional 20 years. The proposed action (license renewal) would provide for continued operation and maintenance of existing facilities and transmission lines. The facility uses water from the Cape Fear River Estuary for plant cooling, and discharges wastewater through underwater pipes into the Atlantic Ocean 2000 ft offshore.

Based on the review of the DGSEIS, the document received an "EC-1" rating, meaning that environmental concerns exist regarding some aspects of the proposed project. Specifically, protecting the environment involves the continuing need for appropriate storage and ultimate disposition of radioactive wastes generated on-site, as well as continuing measures to limit bioentrainment and other impacts to aquatic species from surface water withdrawals and discharges.

D-A-1

The National Pollutant Discharge Elimination System (NPDES) Permit Program authorizes the discharge of pollutants from certain facilities to waters of the United States. Administration of the NPDES permit program in North Carolina is delegated by EPA to the North Carolina Department of Environment and Natural Resources' (NCDENR's) Division of Water Quality. The Brunswick Steam Electric Plant has an NPDES Permit issued by the Division of Water Quality. The NPDES Permit limits specified pollutant discharges from the

SESP Review Complete

E-RIDS = ADM-03

Case = R. FUCH

(RLF)

Template = ADM-013

Internet Address (URL) • <http://www.epa.gov>

Recycled/Recyclable • Printed with Vegetable Oil Based Inks on Recycled Paper (Minimum 30% Postconsumer)

plant, requires monitoring of discharges, and regulates the flow and thermal impacts of discharges. The NPDES permittee has operated and is operating in compliance with the NPDES permit requirements.

Consistent with most of the Environmental Impact Statements that the NRC is approving from utilities requesting license renewals, the NRC is not requiring that utilities plan for the possibility of having to store spent nuclear fuel onsite. This DSGEIS does state that spent fuel is temporarily stored onsite in spent fuel pools, or is shipped offsite for storage in spent fuel pools at Shearon Harris Nuclear Power Plant. The document states that the applicant is considering construction of an independent spent fuel storage installation for storage of spent fuel in dry storage casks at the Brunswick Steam Electric Plant.

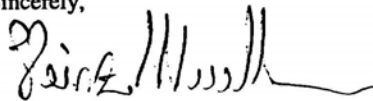
D-A-2

The EIS should discuss a scenario that addresses the impact of a release from a spent fuel storage cask, and the resulting implications of a dose to plant personnel and the public. The resulting effective dose equivalent at the exclusion area boundary and in the low population zone should be calculated. The document does not address the consequences of a breach on this facility and the resulting consequences to the public. In addition, since Brunswick is located on the Atlantic Coast, additional contingencies may need to be considered to secure fuel stored in casks onsite during category 4 or 5 hurricanes.

The DGSEIS acknowledges that OL renewal of the Brunswick Steam Electric Plant will require continuing radiological monitoring of all plant effluents. Appropriate storage of spent fuel assemblies and radioactive wastes on-site is required, in order to prevent impacts. In the Waste Confidence Rule (10 CFR 51.23), the Commission generically determined that the spent fuel generated by any reactor can be safely stored onsite for at least 30 years beyond the licensed operating life of the reactor. Ultimately, long-term radioactive waste disposition will require transportation of wastes to a permitted repository site. We note the information in the DGSEIS regarding the expected availability of Yucca Mountain as a geological repository for spent nuclear fuel and high-level waste.

In conclusion, the document states that the OL renewal would result in fewer environmental impacts than the feasible alternatives for generating power, and the NRC considers impacts of OL renewal to be small. Overall, the impacts as defined in the DGSEIS appear to be within acceptable limits. Thank you for the opportunity to comment on this document. If we can be of further assistance, please contact Ramona McConney of my staff at (404) 562-9615.

Sincerely,



Heinz J. Mueller, Chief
Office of Environmental Assessment



NOV 22 2005

SERIAL: BSEP 05-0143

U.S. Nuclear Regulatory Commission
ATTN: Chief, Rules and Directives Branch
Division of Administrative Services, Office of Administration
Mail Stop T-6D 59
Washington, DC 20555-0001

Subject: Brunswick Steam Electric Plant, Unit Nos. 1 and 2
Docket Nos. 50-325 and 50-324/License Nos. DPR-71 and DPR-62
Comments on Draft NUREG-1437, Supplement 25
Regarding Brunswick License Renewal
(NRC TAC Nos. MC4639 and MC4640)

Reference: Letter from Cornelius J. Gannon to the U. S. Nuclear Regulatory
Commission (Serial: BSEP 04-0006), "Application for Renewal of
Operating Licenses," dated October 18, 2004 (ML043060406)

Ladies and Gentlemen:

On October 18, 2004, Carolina Power & Light Company (CP&L), now doing business as
Progress Energy Carolinas, Inc., requested the renewal of the operating licenses for
Brunswick Steam Electric Plant (BSEP), Unit Nos. 1 and 2, to extend the terms of their
operating licenses an additional 20 years beyond the current expiration dates.

On September 7, 2005, the NRC published a notice in the *Federal Register* (i.e., 70
FR 53257) announcing the availability NUREG-1437, "Generic Environmental Impact
Statement for License Renewal of Nuclear Plants, Supplement 25, Regarding Brunswick
Steam Electric Plant, Units 1 and 2." The enclosure to this letter provides CP&L's
comments on this supplement.

Please refer any questions regarding this submittal to Mr. Mike Heath, Supervisor -
License Renewal, at (910) 457-3487.

Sincerely,

Edward T. O'Neil
Manager - Support Services
Brunswick Steam Electric Plant

Progress Energy Carolinas, Inc.
Brunswick Nuclear Plant
P.O. Box 10429
Southport, NC 28461

*SEP Review Complete
Template = ADM-013*

*E-RIDS = ADM-03
Add = RENCH (RLE)*

RULES AND DIRECTIVES
BRANCH
USNRC

9/07/05

70 FR 53257

2005 NOV 30 AM 8:51

(1)

RECEIVED

BSEP 05-0143
Enclosure
Page 1 of 3

Comments on Draft NUREG-1437, Supplement 25

On October 18, 2004, Carolina Power & Light Company (CP&L), now doing business as Progress Energy Carolinas, Inc., requested the renewal of the operating licenses for Brunswick Steam Electric Plant (BSEP), Unit Nos. 1 and 2, to extend the terms of their operating licenses an additional 20 years beyond the current expiration dates.

On September 9, 2005, the NRC published, for comment, NUREG-1437, "Generic Environmental Impact Statement for License Renewal of Nuclear Plants, Supplement 25, Regarding Brunswick Steam Electric Plant, Units 1 and 2." The following table provides CP&L's comments on this supplement.

Location	Comment	
Page xii, line 15 Page 2-7, line 3 Page 2-14, line 21 Page 2-48, line 21	"BESP" should be "BSEP"	D-B-1
Page 1-8, line 2	The license renewal application was submitted by letter dated October 18, 2004.	D-B-2
Page 2-23, lines 14 and 32	<i>Symphurus plagiusa</i> is referred to as blackcheek tonguefish on line 14, and as sole on line 32.	D-B-3
Page 2-23, line 30	"king fish" should be "Southern kingfish"	D-B-4
Page 2-23, line 31	" <i>Mentaicirrhus</i> " should be " <i>Menticirrhus</i> "	D-B-5
Page 2-25, lines 6 - 8	Atlantic sturgeon's scientific name should be " <i>Acipenser oxyrhynchus</i> " versus " <i>Acipenser oxyrhynchus oxyrhynchus</i> "	D-B-6
Page 2-28, lines 35 - 36	It is requested that the last sentence be re-worded to state: No shortnose sturgeon have been collected at BSEP (CP&L 2004a). This is consistent with information presented in the license renewal application (i.e., page 2-12 of the Environmental Report).	D-B-7
Page 2-39, line 36	"Witherspoon" should be "Weatherspoon"	D-B-8

Appendix A

BSEP 05-0143
 Enclosure
 Page 2 of 3

Location	Comment	
Page 2-49, lines 26 - 29	<p>This section discusses erosion at Caswell Beach and speculation that the BSEP cooling water outfall may be a contribution factor.</p> <p>On page 3 of the July 2003 issue of the "Caswell Beach Sandpiper," published by the Town of Caswell Beach, there is discussion of investigation of beach erosion funded by the Town. The article states:</p> <p>... although an obvious erosion hot spot exists in the area extending from just east of the pumping station, this area experienced significant rates of erosion even before the pumping station was built. In fact, erosion rates in this area were considerably greater "before construction" compared to "after construction."</p> <p>Additionally, in an article in the April 16, 2003 edition of "The State Port Pilot," newspaper, entitled "Erosion not fault of outfall," the investigator is quoted as telling the town commissioners:</p> <p>There is nothing in the history of shoreline changes that would indicate that the pumping station has had any impact on shoreline changes along Caswell Beach and the east end of Oak Island.</p> <p>It is requested that this section be re-written to acknowledge the Town of Caswell Beach investigation.</p>	D-B-9
Page 4-31, line 9	"procedures" should be "a guideline"	D-B-10
Page 4-31, lines 10 and 11	<p>It is requested that the last sentence be re-written to state:</p> <p>This guideline provides that cultural resource assessments be performed for certain land-disturbing activities and provides guidance on inadvertent discoveries of graves or archaeological sites.</p>	D-B-11
Page 4-36, line 27	"licenser renewal" should be "license renewal"	D-B-12
Page 4-39, line 16	"Military Ocean Port Sunny Point" should be "Military Ocean Terminal Sunny Point"	D-B-13
Page 4-39, line 27	It is requested that the words "and tracks" be removed from the sentence. The current wording overstates CP&L's activities regarding terrestrial species.	D-B-14

BSEP 05-0143
 Enclosure
 Page 3 of 3

Location	Comment
Page 8-50, line 26	"BFN" should be "BSEP"
Page G-28, line 38 - 39	The current maximum dependable capacity is 938 MWe for Unit 1 and 900 MWe for Unit 2. The value of 1006 MWe was used for conservatism.

D-B-15

D-B-16

Jan 13 06 10:31a

ML06018 P-2 022 3



United States Department of the Interior

OFFICE OF THE SECRETARY
Office of Environmental Policy and Compliance
Richard B. Russell Federal Building
75 Spring Street, S.W.
Atlanta, Georgia 30303



ER 05/798

December 13, 2005

Chief, Rules Review and directives Branch
U.S. Nuclear Regulatory Commission
Mail Stop T6-D59
Washington, DC 20555-0001

RE: Draft Supplement 25 to the Generic Environmental Impact Statement for the License
Renewal of Carolina Power and Light Company, Brunswick Steam Electric Plant, Units 1
and 2 (NUREG-1437, draft Supplement 25)

The Department of the Interior has no comments to provide for your consideration on the
referenced EIS at this time. If you should have any questions, you can reach me at 404-331-
4524.

Sincerely,

A handwritten signature in black ink, appearing to read "Gregory Hogue".

Gregory Hogue
Regional Environmental Officer

cc:
FWS R4
OEPC, WASO

Appendix B

Contributors to the Supplement

Appendix B

Contributors to the Supplement

The overall responsibility for the preparation of this supplement was assigned to the Office of Nuclear Reactor Regulation, U.S. Nuclear Regulatory Commission. The statement was prepared by members of the Office of Nuclear Reactor Regulation with assistance from other NRC organizations, Earth Tech, Pacific Northwest National Laboratory, Argonne National Laboratory, and Information Systems Laboratories.

Name	Affiliation	Function or Expertise
NUCLEAR REGULATORY COMMISSION		
Alicia Williamson	Nuclear Reactor Regulation	Project Manager
Richard Emch	Nuclear Reactor Regulation	Project Manager/Radiation Protection
Andrew Kugler	Nuclear Reactor Regulation	Branch Chief
Rani Franovich	Nuclear Reactor Regulation	Branch Chief
Cristina Guerrero	Nuclear Reactor Regulation	Project Management Support
Samuel Hernandez	Nuclear Reactor Regulation	Project Management Support
James Wilson	Nuclear Reactor Regulation	Ecology/Water Issues
Jennifer Davis	Nuclear Reactor Regulation	Cultural Resources
Barry Zalcman	Nuclear Reactor Regulation	Technical Monitor
Robert Palla	Nuclear Reactor Regulation	Severe Accident Mitigation Alternatives
Robert Schaaf	Nuclear Reactor Regulation	Program Management
Anissa Coates	Nuclear Reactor Regulation	Administrative Support
Nina Barnett	Nuclear Reactor Regulation	Administrative Support
EARTH TECH		
John Szeligowski		Technical Team Leader
Roberta Hurley		Contract Manager
Kathleen Garvin		Project Coordinator
Stephen Duda		Aquatic/Terrestrial Ecology
Edward Kaczmarczyk		Air Quality
Andrew Parker		Socioeconomics
Charles Flynn		Radiation Protection
Michael Pappalardo		Cultural Resources
Bonnie Freeman		Document Production
Stephen Dillard		Aquatic Ecology
Susan Provenzano		Land Use
Sarah Wesberry		Technical Editor/Document Production Lead

Appendix B

Name	Affiliation	Function or Expertise
PACIFIC NORTHWEST NATIONAL LABORATORY^(a)		
Mary Ann Parkhurst		Task Leader
Beverly Miller		Deputy Task Leader
Van Ramsdell		Air Quality
Dave Anderson		Socioeconomics
Susan Sargeant		Aquatic Ecology
Amanda Stegen		Terrestrial Ecology
Mike Sackschewsky		Terrestrial Ecology
Ellen Prendergast-Kennedy		Cultural Resources
Darby Stapp		Cultural Resources
Paul Hendrickson		Land Use, Related Federal Programs, Alternatives
Lance Vail		Water Use, Hydrology
Cary Counts		Technical Editor
Barbara Wilson		Publications Assistant
Debbie Schulz		Document Production Lead
Michael Parker		Document Production
Susan Tackett		Document Production
Rose Urbina		Document Production
ARGONNE NATIONAL LABORATORY^(b)		
Fred Monette		Radiation Protection
INFORMATION SYSTEMS LABORATORIES		
Kim Green		Severe Accident Mitigation Alternatives

(a) Pacific Northwest National Laboratory is operated for the U.S. Department of Energy by Battelle Memorial Institute.

(b) Argonne National Laboratory is operated for the U.S. Department of Energy by the University of Chicago.

+

Appendix C

Chronology of NRC Staff Environmental Review Correspondence Related to Carolina Power & Light Company's Application for License Renewal of Brunswick Steam Electric Plant Units 1 and 2

Appendix C

Chronology of NRC Staff Environmental Review Correspondence Related to Carolina Power & Light Company's Application for License Renewal of Brunswick Steam Electric Plant Units 1 and 2

This appendix contains a chronological listing of correspondence between the U.S. Nuclear Regulatory Commission (NRC) and Carolina Power & Light Company (CP&L) and other correspondence related to the NRC staff's environmental review, under 10 CFR Part 51, of CP&L application for renewal of the Brunswick Steam Electric Plant (BSEP) operating license. All documents, with the exception of those containing proprietary information, have been placed in the Commission's Public Document Room at One White Flint North, 11555 Rockville Pike (first floor), Rockville, MD, and are available electronically from the Public Electronic Reading Room found on the Internet at the following web address: <http://www.nrc.gov/reading-rm.html>. From this site, the public can gain access to the NRC's Agencywide Document Access and Management Systems (ADAMS), which provides text and image files of NRC's public documents in the Publicly Available Records (PARS) component of ADAMS. The ADAMS accession numbers for each document are included below.

- | | |
|------------------|--|
| October 18, 2004 | Brunswick Units 1 and 2, Applicant's Environmental Report – Operating License Renewal Stage (Accession No. ML043060413) |
| October 18, 2004 | BSEP Units 1 and 2, License Renewal Application (Accession No. ML043060411) |
| October 21, 2004 | Note-to-file regarding forthcoming public information session for the U.S. Nuclear Regulatory Commission (NRC) staff to describe its license renewal process (Accession No. ML042950307) |
| October 25, 2004 | NRC press release No. 04-134, "NRC Announces Availability of License Renewal Application for Brunswick Steam Electric Plant, Units 1 and 2" (Accession No. ML042990359) |
| November 4, 2004 | Letter from Mr. Stephen Rynas, North Carolina Department of Environment and Natural Resources (NCDENR), to NRC regarding Federal Consistency Certification for license renewal of BSEP (Accession No. ML043150301) |

Appendix C

- November 9, 2004 Letter from NRC to Ms. Ilene Brown, University of North Carolina at Wilmington, regarding maintenance of reference material at the William Madison Randall Library at the BSEP, Units 1 and 2 License Renewal Application (Accession No. ML043170648)
- November 10, 2004 Letter from NRC to Mr. Cornelius J. Gannon, CP&L, regarding the receipt and availability of the license renewal application for BSEP (Accession No. ML043170248)
- December 6, 2004 Federal Register Notice of Acceptance for Docketing of the Application and Notice of Opportunity for Hearing Regarding the Renewal of Facility Operating License Nos. DPR-71 and DPR-62 for an Additional 20-Year Period (69 FR 70471)
- December 29, 2004 Letter from NRC to Mr. Sam D. Hamilton, Regional Director, U.S. Fish and Wildlife Service (FWS), requesting a list of protected species within the area under evaluation for the BSEP, Units 1 and 2, License Renewal (Accession No. ML043650001)
- December 29, 2004 Letter from NRC to Ms. Patricia A. Kurkul, Regional Administrator, National Oceanic and Atmospheric Administration (NOAA) Fisheries, requesting a list of protected species within the area under evaluation for the BSEP, Units 1 and 2, License Renewal (Accession No. ML043650002)
- December 30, 2004 Letter from NRC to The Honorable Leon Jacobs, Tribal Council of the Lumbee Tribe, Tribal Administrator, seeking input for its environmental review to renew the operating licenses for the BSEP, Units 1 and 2 (Accession No. ML050050565)
- December 30, 2004 Letter from NRC to Mr. Archie Ray Jacobs, Travel Chairman, Development Association Executive Director, Waccamaw Siouan, seeking input for its environmental review to renew the operating licenses for the BSEP, Units 1 and 2 (Accession No. ML050050566)
- December 30, 2004 Letter from NRC to Mr. Don Klima, Director, Office of Federal Agency Programs, Advisory Council on Historic Preservation, seeking input for its environmental review to renew the operating licenses for the BSEP, Units 1 and 2 (Accession No. ML050050567)

- December 30, 2004 Letter from NRC to Dr. Jeffrey Crow, Deputy Secretary of Archives and History, State Historic Preservation Officer, seeking input for its environmental review to renew the operating licenses for the BSEP, Units 1 and 2 (Accession No. ML050050490)
- January 4, 2005 Letter from NRC to Mr. Cornelius J. Gannon, Vice President, BSEP, CP&L, Notice of Intent to Prepare an Environmental Impact Statement and Conduct Scoping Process for License Renewal for the BSEP, Units 1 and 2 (Accession No. ML050050568)
- January 12, 2005 NRC meeting notice announcing public meeting in Southport, North Carolina on January 27, 2005 , to discuss the environmental scoping process for the application for the license renewal of BSEP (Accession No. ML050130438)
- January 12, 2005 Federal Register Notice of Intent to Prepare an Environmental Impact Statement and Conduct Scoping Process regarding the application for license renewal of Brunswick Steam Electric Plant (70 FR 2188)
- February 2, 2005 E-mail from Paul Snead, CP&L, regarding Site Audit follow-up #13 (Accession No. ML051220559)
- February 2, 2004 E-mail from Paul Snead, CP&L, regarding Site Audit follow-up list (Accession No. ML051220533)
- February 3, 2005 Letter from Mr. Pete Benjamin, Ecological Services Supervisor, U.S. Department of Interior, FWS, to Mr. Pao-Tsin Kuo, NRC, regarding a list of all Federally protected endangered and threatened species in the area under review for license renewal at BSEP (Accession No. ML050600244)
- February 4, 2005 Letter from Ms. Teletha Griffin, Administrative Support Assistant, U.S. Department of Commerce, NOAA, to NRC, regarding a list of Federally protected species in the area under review for license renewal at BSEP (Accession No. ML050600259)
- February 4, 2005 E-mail from Paul Snead, CP&L, regarding Site Audit follow-up #19 (Accession No. ML051220465)
- February 4, 2005 E-mail from Paul Snead, CP&L, regarding Site Audit follow-up #11 (Accession No. ML051220423)

Appendix C

February 4, 2005	E-mail from Paul Snead, CP&L, regarding Site Audit follow-up #10 (Accession No. ML051220417)
February 4, 2005	E-mail from Paul Snead, CP&L, regarding Site Audit follow-up #5 (Accession No. ML051220404)
February 4, 2005	E-mail from Paul Snead, CP&L, regarding Site Audit follow-up #4 (Accession No. ML051220391)
February 4, 2005	E-mail from Paul Snead, CP&L, regarding Site Audit follow-up #13 (Accession No. ML051220559)
February 4, 2005	E-mail from Paul Snead, CP&L, regarding Site Audit follow-up #14 (Accession No. ML051220522)
February 4, 2005	E-mail from Paul Snead, CP&L, regarding Site Audit follow-up #3 (Accession No. ML051220478)
February 4, 2005	E-mail from Paul Snead, CP&L, regarding Site Audit follow-up #6 (Accession No. ML051220449)
February 4, 2005	E-mail from Paul Snead, CP&L, regarding Site Audit follow-up #18 (Accession No. ML051220438)
February 4, 2005	E-mail from Paul Snead, CP&L, regarding Site Audit follow-up #15 (Accession No. ML051220474)
February 4, 2005	E-mail from Paul Snead, CP&L, regarding Site Audit follow-up #20 (Accession No. ML051220466)
February 4, 2005	E-mail from Paul Snead, CP&L, regarding Site Audit follow-up #12 (Accession No. ML051230196)
February 7, 2005	E-mail from Paul Snead, CP&L, regarding Site Audit follow-up #2 (Accession No. ML051220562)
February 8, 2005	E-mail from Paul Snead, CP&L, regarding Site Audit follow-up #7 (Accession No. ML051220444)
February 8, 2005	E-mail from Paul Snead, CP&L, regarding Site Audit follow-up #8 (Accession No. ML051220424)

February 17, 2005 Note-to-file regarding docketing of Draft Request for Additional Information Regarding Severe Accident Mitigation Alternatives Analysis in Support of the Environmental Review of CP&L License Renewal Application for BSEP, Units 1 and 2 (Accession No. ML050490382)

February 17, 2005 E-mail from Paul Snead, CP&L, regarding Site Audit follow-up #16 (Accession No. ML051220408)

February 17, 2005 E-mail from Paul Snead, CP&L, regarding Site Audit follow-up #17 (Accession No. ML051220377)

February 18, 2005 E-mail from Paul Snead, CP&L, regarding Site Audit follow-up #1 (Accession No. ML051220368)

February 18, 2005 E-mail from Paul Snead, CP&L, regarding Site Audit follow-up #9 (Accession No. ML051220358)

February 24, 2005 Letter to Mr. Cornelius J. Gannon, CP&L, from NRC, regarding Request for Additional Information (RAI) regarding severe accident mitigation alternatives (SAMAs) for BSEP, Units 1 and 2 (Accession No. ML050550262)

March 11, 2005 Note-to-file regarding Summary of Public Scoping Meetings Conducted to Support the review of the BSEP, Units 1 and 2 License Renewal Application (Accession No. ML050730200)

March 11, 2005 E-mail from Richard Emch, NRC, regarding additional requests on RAIs (Accession No. ML051220351)

March 11, 2005 E-mail from Richard Emch, NRC, regarding FWS Letter (Accession No. ML051220343)

March 14, 2005 E-mail from Jan Kozyra, CP&L, regarding the BSEP Offsite Dose Calculation Manual (Accession No. ML051230090)

March 15, 2005 Note-to-file regarding Summary of Teleconference conducted on February 28, 2005, with CP&L, to discuss SAMA RAIs for BSEP, Units 1 and 2 (Accession No. ML050750572)

March 16, 2005 E-mail from Jan Kozyra, CP&L, regarding Site Audit right-of-way specifications (Accession No. ML051220567)

Appendix C

March 16, 2005 E-mail from Richard Emch, NRC, regarding shock analysis for Whiteville-to-Fayetteville transmission line (Accession No. ML051220336)

March 17, 2005 Letter to Mr. Sam D. Hamilton, from NRC regarding amended request for list of protected species within the area under evaluation for BSEP (Accession No. ML0508005181)

March 18, 2005 E-mail from Jan Kozyra, CP&L, regarding endangered species (Accession No. ML051220303)

March 20, 2005 Note-to-file regarding Summary of Site Audit to support review of license renewal application for BSEP, Units 1 and 2 (Accession No. ML050880508)

March 30, 2005 E-mail from Jan Kozyra, CP&L, to NRC regarding transmission lines (Accession No. ML051220256)

March 30, 2005 E-mail from Jan Kozyra, CP&L, to NRC regarding transmission lines Whiteville to Fayetteville (Accession No. ML051220140)

March 30, 2005 E-mail from Jan Kozyra, CP&L, to NRC regarding draft SAMA responses (Accession No. ML051220176)

March 30, 2005 E-mail from Jan Kozyra, CP&L, to NRC regarding transmission lines (Accession No. ML051220182)

April 6, 2005 E-mail from Jan Kozyra, CP&L, to NRC providing SAMA draft responses (Accession No. ML051220515).

April 6, 2005 E-mail from Jan Kozyra, CP&L, regarding draft SAMA responses (Accession No. ML051230064)

April 14, 2005 E-mail from Jan Kozyra, CP&L, to NRC providing SAMA draft RAI 8 responses (Accession No. ML051220137)

April 18, 2005 E-mail from Robert Palla, NRC, regarding SAMA RAI 8 (Accession No. ML051220131)

April 21, 2005 E-mail from Jan Kozyra, CP&L, to NRC providing responses to SAMA RAIs (Accession No. ML051220545)

April 29, 2005 Note-to-file regarding summary of teleconference conducted on March 31, 2005, with CP&L to discuss the SAMA RAIs for BSEP, Units 1 and 2 (Accession No. ML051190231)

May 4, 2005 E-mail from Jan Kozyra, CP&L, to NRC providing a proposed addendum to the response to BSEP SAMA RAI 8 (Accession No. ML051680188)

May 4, 2005 E-mail from Jan Kozyra, CP&L, to NRC providing a proposed addendum to the response to BSEP) SAMA RAI 8 (Accession No. ML051680176)

May 5, 2005 E-mail from Jan Kozyra, CP&L, to NRC providing responses to SAMA RAIs (Accession No. ML051680167)

May 13, 2005 E-mail from Jan Kozyra, CP&L, to NRC providing responses to SAMA follow-up questions (Accession No. ML051680156)

May 16, 2005 Note-to-file regarding summary of teleconference conducted on April 7, 2005, with CP&L, to discuss SAMA RAIs for BSEP, Units 1 and 2 (Accession No. ML051370282)

May 16, 2005 E-mail from Jan Kozyra, CP&L, to NRC providing supplemental information for SAMA RAI 8 (Accession No. ML051680147)

May 23, 2005 E-mail from Jan Kozyra, CP&L, to NRC providing information on cooling towers (Accession No. ML051680095)

May 24, 2005 Letter from NRC to Mr. Cornelius J. Gannon, CP&L, regarding Issuance of Environmental Scoping Summary Report Associated with the Staff's Review of the Applications by CP&L for Renewal of the Operating Licenses for BSEP, Units 1 and 2 (Accession No. ML051440479)

June 1, 2005 Letter from Mr. Cornelius J. Gannon, CP&L, to NRC providing SAMA RAIs 1-8 (Accession No. ML051640476)

June 17, 2005 E-mail from Tom Thompson, CP&L, to NRC providing requested information regarding BSEP, Units 1 and 2 (Accession No. ML052030260)

June 18, 2005 E-mail from Dave Anderson, PNNL to NRC, submitting BSEP Units 1 and 2 Site Audit trip report regarding socioeconomics and land use topics (Accession No. ML052030237)

Appendix C

June 22, 2005	E-mail from Jan Kozyra, CP&L to NRC, regarding cooling towers at BSEP, Units 1 and 2 (Accession No. ML051930208)
July 7, 2005	E-mail from Paul Snead, CP&L to NRC regarding Swain Gravesites at BSEP, Units 1 and 2 (Accession No. ML051930221)
July 8, 2005	E-mail from Paul Snead, CP&L to NRC providing further information regarding license renewal of threatened and endangered species (Accession No. ML051930223)
August 8, 2005	Letter from NRC to Mr. Sam D. Hamilton, Regional Director, U.S. Fish and Wildlife Service (FWS), providing Biological Assessment for evaluation and concurrence by FWS for the BSEP, Units 1 and 2, License Renewal (Accession No. ML052200600)
August 9, 2005	Letter from NRC to Mr. David Bernhart, Assistant Regional Administrator for Protected Resources, National Oceanic and Atmospheric Administration's (NOAA) National Marine Fisheries Service (NMFS), providing Biological Assessment for evaluation and concurrence by NMFS for the BSEP, Units 1 and 2, License Renewal (Accession No. ML052200644)
September 19, 2005	Letter from Mr. Roy E. Crabtree, Regional Administrator, NOAA, to NRC, Regarding biological assessment for evaluation and concurrence by NMFS for BSEP, Units 1 and 2, license renewal (Accession No. 0602400452)
November 22, 2005	Letter from Mr. Edward T. O'Neil, Manager-Support Services, Progress Energy, to NRC, regarding comments on Draft NUREG-1437, Supplement 25 (Accession No. ML053360433)
December 2, 2005	Letter from Mr. Heinz J. Mueller, Chief Office of Environmental Assessment, U.S. Environmental Protection Agency, to NRC, regarding review and comments on Draft NUREG-1437, Supplement 25 (Accession No. ML053430111)
December 13, 2005	Letter from Mr. Gregory Hogue, Regional Environmental Officer, U.S. Department of the Interior, to NRC, regarding comments on Draft NUREG-1437, Supplement 25 (Accession No. ML060180223)

January 4, 2006	Letter from NRC to Mr. Cornelius J. Gannon, Vice President, Brunswick Steam Electric Plant, regarding project manager change for the license renewal environmental review for Brunswick Steam Electric Plant (Accession No. ML060090282)	
January 4, 2006	NRC Trip Report Visit to BSEP for the Essential Fish Habitat Meeting and Tour (Accession No. ML060100399)	

Appendix D

Organizations Contacted

Appendix D

Organizations Contacted

During the course of the staff's independent review of environmental impacts from operations during the renewal term, the following Federal, State, regional, and local agencies were contacted:

Advisory Council on Historic Preservation, Office of Federal Agency Programs

Brunswick Family Assistance Agency

Brunswick County Center of the North Carolina Cooperative Extension Service

Brunswick County Schools

Brunswick County Chamber of Commerce

Brunswick County Economic Development Commission

Brunswick County Planning Department

Cape Fear Council of Governments

City of Southport

City of Boiling Spring Lakes

Lumbee Tribal Nation

Margaret Rudd & Associates, Inc. Realtors

National Oceanic and Atmospheric Administration, National Marine Fisheries Service, Fisheries Habitat Conservation Division

National Oceanic and Atmospheric Administration, National Marine Fisheries Service, Fisheries Protected Resources Division

North Carolina Department of Cultural Resources, Division of Historical Resources, Underwater Archaeology Fort Fisher, Office of State Archaeology

Appendix D

North Carolina Department of Environment and Natural Resources, Division of Water Quality

North Carolina Department of Transportation

North Carolina State Archives, Archives and Records Section of the Office of Archives and History and the Department of Cultural Resources

Southport Maritime Museum

State Historic Preservation Office, Department of Archives and History Survey and Planning Branch, Lewis-Smith House, Survey File Room in Archives and History Building

Town of Oak Island

Town of Caswell Beach & Brunswick Beaches Consortium

Waccamaw Siouan Tribal Nation

University of North Carolina at Wilmington

U.S. Department of the Interior, Fish and Wildlife Service