



Christopher L. Burton
Vice President
Harris Nuclear Plant
Progress Energy Carolinas, Inc.

NOV 14 2008

Serial: HNP-08-113
10 CFR 50.90

U. S. Nuclear Regulatory Commission
ATTENTION: Document Control Desk
Washington, D.C. 20555-0001

SHEARON HARRIS NUCLEAR POWER PLANT, UNIT 1
DOCKET NO. 50-400/LICENSE NO. NPF-63
SUPPLEMENT TO REQUEST FOR LICENSE AMENDMENT
TO ADOPT NFPA 805 PERFORMANCE-BASED STANDARDS FOR FIRE PROTECTION FOR
LIGHT WATER REACTOR GENERATING PLANTS (2001 EDITION)

- References:
1. Letter from R. J. Duncan to the Nuclear Regulatory Commission (Serial: HNP-08-061), "Request for License Amendment to Adopt NFPA 805 Performance-Based Standard for Fire Protection for Light Water Reactor Generating Plants (2001 Edition)," dated May 29, 2008
 2. Letter from M. G. Vaaler, Nuclear Regulatory Commission, to C. L. Burton, "Shearon Harris Nuclear Power Plant, Unit 1 – Summary of Conference Call with Progress Energy to Discuss License Amendment Request to Adopt National Fire Protection Association 805 Performance-Based Standard for Fire Protection for Light Water Reactor Generating Plants (2001 Edition)," dated September 8, 2008
 3. Letter from T. H. Boyce, Nuclear Regulatory Commission, to C. L. Burton, "Shearon Harris Nuclear Power Plant, Unit 1 – Acceptance Review Regarding the License Amendment Request to Adopt National Fire Protection Association 805 Performance-Based Standard for Fire Protection for Light Water Reactor Generating Plants (2001 Edition)," dated September 26, 2008

Ladies and Gentlemen:

In accordance with the Code of Federal Regulations, Title 10, Part 50.90, "Application of License or Construction Permit," Carolina Power & Light Company (CP&L) doing business as Progress Energy Carolinas Inc. (PEC), submitted the above License Amendment Request for the Harris Nuclear Plant (HNP) (Reference 1). As a result of the NRC Acceptance Review of that request (References 2 and 3), HNP is submitting additional information via this supplement. The remaining information, to consist of "Attachment Y – NFPA 805 Transition Risk Insights," will be provided to the NRC in separate correspondence.

As provided in HNP's initial submittal (Reference 1), information associated with HNP's transition is provided in the enclosed HNP Transition Report, including the technical and regulatory justifications supporting the LAR.

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ENCLOSURE 3 TO THIS LETTER CONTAINS SENSITIVE INFORMATION SUBMITTED UNDER 10 CFR 2.390(d)(1).

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Enclosure 1 of the initial submittal (Reference 1) provided the Regulatory Commitments associated with HNP's License Amendment Request. Although this supplement does not change this Enclosure, a duplicate of Enclosure 1 is included in this current submittal for clarity.

Enclosure 2, which contains a listing of the Transition Report sections for which HNP is requesting specific NRC approval, has been revised to include new Attachments W, X, Y and Z.

Enclosure 3 contains the applicable sections of HNP's Transition Report that have changed since the original submittal of Attachments A through Z. The Attachments that have changed are provided in their entirety as follows:

- Attachment A - NEI 04-02 Table B-1 - Transition of Fundamental FP Program and Design Elements (NFPA 805 Chapter 3) – **Security Related Information**
- Attachment C - NEI 04-02 Table B-3 – Fire Area Transition – **Security Related Information**
- Attachment F - Fire-Induced Multiple Spurious Operations – Resolution Methodology
- Attachment G - Operator Manual Actions – Transition to Recovery Actions– **Security Related Information**
- Attachment H - NEI 04-02 Frequently Asked Question – Summary Table
- Attachment M - License Condition Changes
- Attachment S - Plant Modifications – **Security Related Information**
- Attachment W – Internal Events PRA Quality – **Security Related Information**
- Attachment X – Fire PRA Quality – **Security Related Information**
- Attachment Z – Fire PRA Quality Post-Transition Process

Enclosure 4 contains HNP's responses to the "Technical Acceptance Issues" identified in the NRC letter dated September 26, 2008 (Reference 3). This Enclosure also provides HNP's resolution of items contained in the tabular "Review Checklist," provided by the NRC as an Enclosure to the September 26, 2008 letter (Reference 3).

In accordance with 10 CFR 50.91(b), HNP is providing the state of North Carolina with a copy of this supplement to the proposed license amendment.

Please refer any questions regarding this submittal to Mr. Dave Corlett at (919) 362-3137.

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I declare under penalty of perjury that the foregoing is true and correct. Executed on :

NOV 14 2008

Sincerely,



Christopher L. Burton
Vice President
Harris Nuclear Plant

CLB/kl

Enclosures:

1. HNP Regulatory Commitments (no change)
2. Specific Approval Requested in SER
3. HNP Transition Report, including revised Attachments
4. HNP Responses to "Technical Acceptance Issues" and "Review Checklist"

Cc (via CD-ROM):

- Ms. B. O. Hall, N. C. DENR Section Chief
- Mr. K. J. Korth, Acting NRC Senior Resident Inspector, HNP
- Mr. L. A. Reyes, NRC Regional Administrator, Region II
- Ms. M. G. Vaaler, NRC Project Manager, HNP

ENCLOSURE 3 TO THIS LETTER CONTAINS SENSITIVE INFORMATION SUBMITTED UNDER 10 CFR 2.390(d)(1).

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Bc : Mr. G. E. Attarian
Mr. C. L. Burton
Mr. D. T. Conley
Mr. J. D. Duhon
Mr. S. D. Ebnetter
Mr. D. G. Eisenhut
Mr. R. T. Garner
Ms. K. A. Harshaw
Mr. K. Henderson

Mr. E. D. Hux
Mr. D. G. Kilpatrick
Mr. H. J. Miller
Mr. S. T. O'Connor
Mr. J. E. Pierce
Mr. J. Scarola
Mr. M. S. Tuckman
Ms. M. G. Vaaler (NRC)
Licensing Files (2 copies)
Nuclear Records

SHEARON HARRIS NUCLEAR POWER PLANT, UNIT NO. 1
DOCKET NO. 50-400/LICENSE NO. NPF-63
REQUEST FOR LICENSE AMENDMENT TO ADOPT NFPA 805 PERFORMANCE-
BASED STANDARD FOR FIRE PROTECTION FOR LIGHT WATER REACTOR
GENERATING PLANTS (2001 EDITION)
REGULATORY COMMITMENTS

| Commitment(s) | Scheduled Completion Date |
|--|---|
| 1. HNP will complete modifications necessary to support the new licensing basis. | The end of Refueling Outage 16 currently scheduled for November 5, 2010 |

SHEARON HARRIS NUCLEAR POWER PLANT, UNIT NO. 1
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 REQUEST FOR LICENSE AMENDMENT TO ADOPT NFPA 805 PERFORMANCE-
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 GENERATING PLANTS (2001 EDITION)
 SECTIONS REQUESTED FOR SPECIFIC APPROVAL IN LAR

In accordance with 10 CFR 50.48(c)(3)(i), Harris Nuclear Plant (HNP), is submitting this License Amendment Request (LAR) to allow HNP to maintain a fire protection program that complies with NFPA 805 as an alternative to the current HNP fire protection license condition. The information provided in the Transition Report contains the information required for submittal, as well as information to facilitate the Nuclear Regulatory Commission (NRC) review and approval of the license amendment.

As stated in Regulatory Position C.2.2 of Regulatory Guide 1.205, HNP requests that certain portions of the Transition Report be reviewed for explicit approval in the HNP 10 CFR 50.48(c) License Amendment/associated Safety Evaluation Report. HNP believes this review and approval will help provide clarity to the new fire protection licensing basis and facilitate future program maintenance and NRC inspection activity.

The following table provides a listing of Transition Report Sections, the Topic, applicable NEI and NRC requirements and guidance, and whether specific approval by the NRC is requested in the License Amendment/associated Safety Evaluation Report.

| LAR/TR Reference | Topic | Requirement/Guidance | Specific Approval Requested in SER |
|---------------------------------|--|---|------------------------------------|
| Section 4.1.2.1 Attachment A | B-1 Table | RG 1.205 (C.2.4), NEI 04-02(2.3, 4.3.1, B.1), FAQ 07-0036 | Yes |
| Section 4.2.1.2 | Nuclear Safety Capability Assessment - Methodology (B-2 Table) | NEI 04-02 (4.3.2, B.2), FAQ 07-0039 | Yes |
| Section 4.2.2.3, 4.8.1 | Nuclear Safety Capability Assessment - Fire Area – by - Fire Area Review | NEI 04-02 (4.3.2, B.2), FAQ 07-0039 | Yes (1) |
| Attachment C | Nuclear Safety Capability Assessment - Fire Area – by - Fire Area Review (B-3 Table) | NEI 04-02 (4.3.2, B.2), FAQ 07-0039 | No |
| Section 4.3 Attachment D | Non Power Operations (F-1 Table) | NEI 04-02 (4.3.3, F), FAQ 07-0040 | Yes |
| Section 4.4 Attachment E | Radioactive Release (G-1 Table) | NEI 04-02 (4.3.4, G) | Yes |
| Section 4.5 | Change Evaluations | NFPA 805, RG 1.205 (C.3.2), NEI 04-02 (5.3, App I) | Yes (2) |
| Section 4.8.2.1 Attachment F | Fire-Induced Multiple Spurious Operations resolution methodology | RG 1.205 (C.3.3), NEI 04-02 (B.2), FAQ 07-0038 | Yes |

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| LAR/TR Reference | Topic | Requirement/Guidance | Specific Approval Requested in SER |
|-----------------------------------|---|---|------------------------------------|
| Section 4.8.2.2 Attachment G | Operator Manual Actions – Transition to Recovery Actions | RG 1.205 (C.2.2), NEI 04-02 (B.2), FAQ 06-0012, FAQ 07-0030 | Yes |
| Section 3.4 Attachment H | FAQ Summary Table. (info only) | 10 CFR 50.71(e), NEI 04-02 (4.6.1) | No |
| Section 4.1.3 Attachment I | Definition of Power Block | NFPA 805, FAQ 06-0019 | Yes |
| Section 4.2.2.2.1 Attachment J | Existing Engineering Equivalency Evaluations | RG 1.205 (C.2.3), FAQ 07-0033 | Yes |
| Section 4.2.2.2.2 Attachment K | Licensing Action Transition | NEI 04-02 (4.3.2, B.2), RG 1.205 (C.2.4), FAQ 07-0039 | Yes |
| Section 4.1.2.2 Attachment L | NFPA 805 Chapter 3 Requirements to be included in the LAR | NEI 04-02 (2.3, 4.3.1), RG 1.205 (C.2.4), FAQ 07-0036 | Yes |
| Section 5.2.1 Attachment M | License Condition Changes | 10 CFR 50.48(c)(3)(i), 10 CFR 50.90, RG 1.205 (C.3.1), NEI 04-02 (4.6.1) | Yes |
| Section 5.2.2 Attachment N | Technical Specification Changes | 10 CFR 50.48(c)(3)(i), 10 CFR 50.90, RG 1.205 (C.2.2), NEI 04-02 (4.6.1) | Yes |
| Section 5.2.3 Attachment O | Orders and Exemptions | 10 CFR 50.48(c)(3)(i), 10 CFR 50.90, RG 1.205 (C.2.2), NEI 04-02 (4.6.1) | Yes |
| Attachment P | Performance Based Methods | 10 CFR 50.48(c)(2)(vii), RG 1.205 (C.2.2, C.3.2.3), NEI 04-02 (2.3, 2.4), FAQ 06-0008 | Yes |
| Attachment Q | Risk-Informed, Performance Based Alternatives to NFPA 805 | 10 CFR 50.48(c)(4), RG 1.205 (C.2.2, C.3.2.3), NEI 04-02 (2.3, 4.6.1) | Yes |
| Attachment R | FSAR Changes (Governed by 10 CFR 50.71(e)) | RG 1.205 (C.2.2), NEI 04-02 (4.6.1) | Yes (3) |
| Section 4.8.3 Attachment S | Plant Modifications | RG 1.205 (C.2.2), NEI 04-02 (4.6.1) | No |
| Attachment T | Clarification of Prior NRC Approval | NEI 04-02 (2.3, B.2), RG 1.205 (C.2.2) | Yes |
| Section 5.3.1 Attachment U | No Significant Hazards Consideration | 10 CFR 50.91, NEI 04-02 (4.6.1, H) | Yes |
| Section 5.3.2 Attachment V | Environmental Consideration | 10 CFR 51.22(b), NEI 04-02 (H) | Yes |
| Section 4.5.1 | Fire PRA Peer Review High Level Findings | RG 1.205 (C.4.3) | Yes |

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 SECTIONS REQUESTED FOR SPECIFIC APPROVAL IN LAR

| LAR/TR Reference | Topic | Requirement/Guidance | Specific Approval Requested in SER |
|------------------|--|---|------------------------------------|
| Section 5.4 | Transition Schedule | RG 1.205 (C.2.2), NEI 04-02 (4.6.1) | Yes |
| Attachment W | Internal Events PRA Quality | RG 1.174, RG 1.205 | No |
| Attachment X | PRA Quality | RG 1.174, RG 1.205, RG 1.200 | No |
| Attachment Y | NFPA 805 Transition Risk Insights | NFPA 805, Section 2.4.4.1; RG 1.205, RG 1.174, NEI 04-02, Section 5.3 | No |
| Attachment Z | Fire PRA Quality Post-Transition Process | RG 1.200 | No |

Note 1: Request NRC acceptance of the NSCA results based on the Methodology described in Attachment 2. Acceptance does not preclude self approval of future Fire Protection changes per the FP license condition that is provided in this LAR.

Note 2: Request NRC acceptance of the Change Evaluation results. Acceptance does not preclude self approval of future Fire Protection changes per the FP license condition that is provided in this LAR.

Note 3: Request NRC to approve in concept the level of detail proposed for the FSAR.