December 12, 2002

ORGANIZATION: Nuclear Energy Institute (NEI)

SUBJECT: SUMMARY OF MEETING WITH THE NUCLEAR ENERGY INSTITUTE REGARDING EARLY SITE PERMIT (ESP) ISSUES

On October 16 and 17, 2002, representatives from the Nuclear Energy Institute (NEI) met with the Nuclear Regulatory Commission (NRC) staff. The meeting was requested by NEI in order to discuss issues related to ESP applications and reviews. Representatives from Dominion Generation (Dominion), Exelon Generating Company (Exelon) and Entergy Operations, Inc. (Entergy) were in attendance.

Enclosure 1 is a list of the meeting attendees. NRC and NEI provided handouts (Enclosure 2) during the meeting which can be accessed through the Agencywide Documents Access and Management System (ADAMS) under Accession No. ML022910333. This system provides text and image files of NRC's public documents. If you do not have access to ADAMS or if there are problems in accessing the handouts located in ADAMS, contact the NRC Public Document Room (PDR) reference staff at 1-800-397-4209, 301-415-4737 or by e-mail to pdr@nrc.gov.

Follow-up Items from the September 25, 2002, Meeting (ESP-1; ESP-5 and ESP-10)

The staff discussed and provided a comparison of the draft Table of Contents of the ESP Review Standard with the NEI ESP Task Force (ESPTF) draft document entitled "Standard Table of Contents for Early Site Permit Applications" (See Enclosure 2). The staff provided an updated listing of the Issues Tracking System (ITS) Overview listing. The NEI ESPTF took an action item to provide comments on the ITS at the next meeting. The NEI ESPTF had no additional comments for ESP-10, use of relevant findings from Title 10 of the *Code of Federal Regulations* (10 CFR) Part 51, Subpart A, Appendix B (License Renewal Generic Environmental Impact Statement [GEIS]) in an ESP application. The staff also provided the requested information (See Enclosure 2) regarding additional regulatory references which might be useful to ESP applicants for ESP-8-related matters.

Topics for Next Meeting

In addition, to further follow up regarding ESP-6 and ESP-7, the NEI ESPTF proposed that the following topics be discussed at the next meeting:

- ESP-8: Use of bounding approach for providing fuel cycle and transportation information required by the National Environmental Policy Act (NEPA) (Tables S-3 and S-4)

- ESP-11: Criteria for determining the initial duration of an ESP (10-20 years)

- ESP-12: Guidance for NEPA requirement to evaluate severe accident mitigation alternatives

- ESP-13: Guidance for seismic evaluations required by 10 CFR Part 50, Appendix S
- ESP-22: Form and Content of an ESP

The discussion involving ESP-6 and ESP-7 will describe (1) how to meet the 10 CFR 52.17(a)(1) requirement to evaluate major systems, structures and components (SSCs); (2) an example using the Plant Parameter Envelope (PPE) approach to address environmental review requirements for radiological accidents; and (3) how alternative site evaluation requirement in 10 CFR 52.17(a)(2) will be met.

ESP-13 (Guidance for seismic evaluations required by 10 CFR Part 50, Appendix S)

The NEI ESPTF provided a presentation (See Enclosure 2) to the staff which included (1) Implementation of Regulatory Guide (RG) 1.165 using Clinton site data and (2) the status of the Electric Power Research Institute Central and Eastern United States (CEUS) ground motion project. This presentation is a continuation of the discussion on NEI ESPTF seismic demonstration project. The staff commented that the multiplicity of the models used may dilute the effective weight of the subject parameters. The staff took an action item to provide information about a possible Clinton event raised by Mr. Goutam Bagchi. NEI took the following action items: (1) to make it possible for the staff to view a larger size drawing of the graphic slides used in the presentation and (2) to provide logistic information regarding the second CEUS Ground Motion Workshop to be held in December 2002.

ESP- 6 (Use of a Bounding Plant Parameter Approach) and ESP-7 (Guidance For Satisfying 52.17(a)(1) Requirement for Description and Safety Assessment of the Facility)

The staff provided questions regarding the NEI ESPTF presentation dated September 25, 2002 (See Enclosure 2). NEI provided informal feedback to the staff's questions. The NEI ESPTF provided a follow-up presentation entitled "Environmental Effects of Cooling Water Usage," (See Enclosure 2) in order to describe the use of the PPE approach to address environmental impacts associated with cooling water requirements.

In addition, NEI described plans to provide the PPE worksheet to the NRC. The subject worksheet would be provided as a part of the upcoming NEI resolution letter on the subject. The PPE worksheet which is a collection of the vendor data that was used to develop the bounding design parameter values or PPE values is still under development at this time. The staff took an action item to develop questions on the PPE approach to examine whether it can meet the staff review requirements associated with 10 CFR Part 50 and 10 CFR Part 100.

ESP- 3 (QA requirements of ESP information)

The staff provided NRC Inspection Manual Chapter (IMC) 2501, "Nuclear Reactor Inspection Program-Early Site Permit," and reiterated the view reflected in the ESP inspection guidance that 10 CFR Part 50, Appendix B, is applicable to ESP activities. The NEI ESPTF disagreed with this position and provided a paper via e-mail on October 11, 2002, to the staff. NEI stated that non-Appendix B alternative quality processes should also be acceptable. The OGC staff representative acknowledged that the required applicability of Appendix B to ESP activities is an open question. This topic will be discussed at the next meeting. The applicable NEI e-mail

document, staff background document on this issue and NRC IMC-2501 are included in Enclosure 2.

ESP-4 (Nominal NRC review timeline)

The staff provided an update (See Enclosure 2) on the development of a nominal review timeline for ESP but indicated that the timeline itself and specific discussion thereof would be deferred until early 2003.

/RA/

Ronaldo V. Jenkins, Senior Project Manager
New Reactor Licensing Project Office
Office of Nuclear Reactor Regulation

Project No. 689

Enclosures: As stated

cc w/encls: See next page

document, staff background document on this issue and NRC IMC-2501 are included in Enclosure 2.

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Enclosures: As stated

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CAbbott
SWeerakkody
KGibson
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Meeting
With the Nuclear Energy Institute
October 16 and 17, 2002

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Marsha Gamberoni, NRR
Ronaldo Jenkins, NRR
Jerry Wilson, NRR
Michael Scott, NRR
Andrew Kulger, NRR
Nanette Gilles, NRR
Antonio Fernandez, OGC
Stephen Koenick, NRR
Barry Zalcman, NRR
Jocelyn Mitchell, RES
Jim Wilson, NRR
*Kamal Manoly, NRR
*Gene Imbro, NRR
*Cliff Munson, NRR
*Joe Shea, OEDO
*John Tappert, NRR
*Goutam Bagchi, NRR
*Andrew J. Murphy, RES
*A. K. Ibrahim, NMSS
**Kazimieras Campe, NRR
**Bruce Musico, NRR
**Jay Lee, NRR
**Thomas Kenyon, NRR
**Brian Smith, OEDO
**Leta Brown, NRR

Nuclear Energy Institute

Russell Bell
Ellen Anderson

Other Attendees

*Robin McGuire, Risk Engineering
*William Lettis, Wm Lettis & Assoc
*Robert Youngs, Geomatrix Consulting
Mike Bourgeois, Entergy
George Zinke, Entergy
Eddie Grant, Exelon
**Marilyn C. Kray, Exelon
Joe Hegner, Dominion
Marvin Smith, Dominion
**Herb Fontecilla, Dominion
**Mark Williams, Department of Energy
Charles Brinkman, Westinghouse
*Jim Marrone, Bechtel
*Roger Huston, Licensing Support Services
Mike Cambia, Parsons E & C
**Patricia Campbell, Winston & Strawn
*Joe Litehiser, Bechtel Corp
Steve Routh, Bechtel
*B. P. Singh, Department of Energy
*Thecla R. Fabin, Nuclear Waste News
Bob Evans, Enercon Services
**J. Guy Cesare, Enercon Services
*Richard MCMullen
*Don Anderson, CH2M Hill
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* Denotes Attendance on October 16, 2002 only
** Denotes Attendance on October 17, 2002 only

ESP-Generic

cc:

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