

December 24, 2002

ORGANIZATION: Nuclear Energy Institute

SUBJECT: SUMMARY OF MANAGEMENT MEETING HELD ON NOVEMBER 5, 2002, WITH THE NUCLEAR ENERGY INSTITUTE (NEI) TO DISCUSS NEW REACTOR LICENSING ISSUES

On November 5, 2002, the U.S. Nuclear Regulatory Commission (NRC) staff and management met with representatives from NEI. The meeting was requested by NEI as a follow-up to previous meetings held on April 1 and July 15, 2002, between industry and NRC senior management. The following meeting topics were discussed: (1) the latest version of the integrated schedule of new plant activities; (2) goals for completing early site permit (ESP) interactions; (3) information on the plant parameter envelope (PPE) approach; (4) quality assurance requirements; (5) status of Part 52 process issues; and (6) items related to inspections, tests, analyses, and acceptance criteria (ITAAC). Representatives from Dominion Generation (Dominion), Exelon Generating Company (Exelon), and Entergy Operations, Incorporated (Entergy) were in attendance. A list of attendees is provided as Enclosure 1. The meeting agenda is provided as Enclosure 2.

NEI provided handouts during the meeting which can be accessed through the Agencywide Documents Access and Management System (ADAMS). This system provides text and image files of NRC's public documents. The handouts mentioned above may be accessed through the ADAMS system under Accession No. ML023230117. 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.

Integrated Schedule of New Plant Activities

NEI distributed the latest version of the integrated schedule dated November 5, 2002, (available in meeting handouts mentioned above) which contains milestones for activities associated with regulatory infrastructure, ESP applications, combined license applications, and pre-application reviews. NEI stated that the schedule reflects dates they have received from new reactor licensing applicants. NRC encouraged NEI to consider updating the schedule to show licensing reviews in order of priority.

Status of Early Site Permit Activities

NEI provided the status of generic ESP issues by presenting an updated listing of the Issues Tracking System. NEI explained that the tracking system was developed to ensure that the most important issues with the highest priorities are being addressed upfront. NRC suggested that NEI include a new column to present a projected resolution date in the tracking system. NEI reported that they have established a three meeting rule which encourages all involved parties to find resolution to ESP issues after the third meeting. NEI stated that the goals for

ESP applicants include the following: (1) achieving resolution; (2) discussing technical details; and (3) using real examples.

NEI provided the definition of the Plant Parameter Envelope (PPE) as the set of postulated design parameters that are expected to bound the characteristics of a reactor or reactors that might later be deployed at a site. NEI suggested that future NRC guidance pertaining to ESP activities include the PPE criteria in the standard review process. NRC encouraged NEI to provide more details presenting how bounding parameters were selected. NEI presented the PPE worksheet for choosing bounding values (available in the meeting handouts mentioned above).

NRC mentioned that the staff is in the process of developing a program to determine the acceptability of design parameters. NEI indicated that they want NRC to decide if the PPE approach will be a viable approach. NEI stated a significant amount of work has been completed on the PPE approach which will provide all the information needed for the ESP application. NEI stated that a white paper on the PPE approach will be submitted to NRC on December 20, 2002.

NEI explained that the information developed in the PPE can be used in the safety evaluation and the environmental impact statement. NEI believes that ESP applicants will be able to meet timeliness goals and progress through reviews without any significant delays. There were questions regarding how NRC plans to review an ESP application without plant design information. NEI stated that it would be helpful if NRC developed a nominal NRC review timeline for the review of the ESP applications.

There was discussion about quality assurance requirements and NEI explained that ESP applicants are committed to implementing effective quality processes. With respect to Inspection Manual Chapter 2501 which references Appendix B to 10 CFR Part 50, NEI stated that applicants intend to submit quality process information but do not plan to meet the full Appendix B requirements. NRC stated that ESP applicants are not required to have a 10 CFR Part 50 Appendix B program.

ITAAC Implementation Process

NEI presented the path forward for the ITAAC implementation which includes resuming discussion on white paper topics, establishing a framework for NRC inspection guidance, and identifying and resolving policy issues. NEI requested that a SECY be developed on ITAAC implementation.

NEI presented a schedule for Part 52/ITAAC process priorities (available in the meeting handouts mentioned above). NRC mentioned that setting realistic goals with conclusions and focusing on the sound objectives will lead to the best results.

Summary

- NEI emphasized the need to establish the acceptability of the PPE approach for ESP and alternatives to the quality assurance requirements in 10 CFR Part 50, Appendix B.
- NEI expressed the need to continue making progress on generic ESP topics and establish a framework for the next level of detail on the ITAAC implementation process.

- NRC pointed out that status of generic ESP interactions tracking system should include a column with dates for projected resolution.
- NRC encouraged NEI to begin a dialogue to address the Commission's September 11, 2002, staff requirements memorandum regarding programmatic ITAAC.
- NRC requested information regarding the PPE applicability to the existing regulatory guidance.

/RA/

Leslie Fields, Project Manager
New Reactor Licensing Project Office
Office of Nuclear Reactor Regulation

Project No. 689

Enclosures: As stated

cc w/encls: See next page

- NRC pointed out that status of generic ESP interactions tracking system should include a column with dates for projected resolution.
- NRC encouraged NEI to begin a dialogue to address the Commission's September 11, 2002, staff requirements memorandum regarding programmatic ITAAC.
- NRC requested information regarding the PPE applicability to the existing regulatory guidance.

/RA/

Leslie Fields, Project Manager
New Reactor Licensing Project Office
Office of Nuclear Reactor Regulation

Project No. 689

Enclosures: As stated

cc w/encls: See next page

Distribution: See next page

ADAMS ACCESSION NUMBER: **ML023380586-Pkg.**

| | | |
|--------|------------|------------|
| OFFICE | PM:NRLPO | DD:NRLPO |
| NAME | LFields | MGamberoni |
| DATE | 12/24/2002 | 12/24/2002 |

OFFICIAL RECORD COPY

Distribution for November 5, 2002, Meeting Summary dated December 24, 2002

Hard Copy

PUBLIC

NRLPO R/F

LFields

MGamberoni

E-Mail

NRLPO Grp.

SCollins/JJohnson

RBorchardt

BSheron

JStrosnider

CAder

JIbarra

NLauben

JHan

FGillespie

BDean

DThatcher

CCasto

GBagchi

ESullivan

JCalvo

SBlack

RCaruso

GThomas

SWeerakkody

JTatum

HWalker

MJohnson

ADrozd

RPalla

MSnodderly

DTerao

DTrimble

TChan

CCarpenter

WKane

MEvans

AGill

LLund

AThadani

FEltawila

JFlack

JRosenthal

DBessette

DMatthews

BBoger

TQuay

RMcIntyre

RBarrett

WBateman

GImbro

GHolahan

JWermiel

MRazzaque

JHannon

EThrom

EWeiss

EConnell

MRubin

KCampe

MReinhart

EMarinos

KManoly

CCarpenter

SCoffin

TFoley

SRubin

TBergman

Nuclear Energy Institute

cc:

Mr. Ralph Beedle
Senior Vice President
and Chief Nuclear Officer
Nuclear Energy Institute
Suite 400
1776 I Street, NW
Washington, DC 20006-3708

Mr. David Lochbaum
Union of Concerned Scientists
1707 H Street, NW
Suite 600
Washington, DC 20006-3919

Mr. Paul Gunter
Director of the Reactor Watchdog Project
Nuclear Information & Resource Service
1424 16th Street, NW, Suite 404
Washington, DC 20036

Mr. James Riccio
Greenpeace
702 H Street, NW, Suite 300
Washington, DC 20001

Dr. Edwin Lyman
Nuclear Control Institute
1000 Connecticut Avenue, NW
Suite 410
Washington, DC 20036

Mr. Gary Wright, Manager
Office of Nuclear Facility Safety
Illinois Department of Nuclear Safety
1035 Outer Park Drive
Springfield, IL 62704

Mr. Tom Clements
6703 Gude Avenue
Takoma Park, MD 20912

Mr. Vince Langman
Licensing Manager
Atomic Energy of Canada Limited
2251 Speakman Drive
Mississauga, Ontario
Canada L5K 1B2

Patricia Campbell
Winston & Strawn
1400 L St., NW
Washington, DC 20005

Mr. Jack W. Roe
SCIENTECH, INC.
910 Clopper Road
Gaithersburg, MD 20878

Mr. David Ritter
Research Associate on Nuclear Energy
Public Citizens Critical Mass Energy
and Environmental Program
215 Pennsylvania Avenue, SE
Washington, DC 20003

Mr. Thomas P. Miller
U.S. Department of Energy
NE-20, Rm. A286
Headquarters-Germantown
19901 Germantown Road
Germantown, MD 20874-1290

Mr. Ed Rodwell, Manager
PWR Design Certification
Electric Power Research Institute
3412 Hillview Avenue
Palo Alto, CA 94304-1395

Mr. James F. Mallay, Director
Regulatory Affairs
FRAMATOME, ANP
3315 Old Forest Road
Lynchburg, VA 24501

J. Alan Beard
GE Nuclear Energy
13113 Chestnut Oak Drive
Darnestown, MD 20878-3554

Dr. Gail H. Marcus
U.S. Department of Energy
Office of Nuclear Energy, Science
& Technology
NE-1, Room 5A-143
1000 Independence Avenue, SW
Washington, DC 20585

Mr. Ron Simard
Nuclear Energy Institute
Suite 400
1776 I Street, NW
Washington, DC 20006-3708

Mr. Russell Bell
Nuclear Energy Institute
Suite 400
1776 I Street, NW
Washington, DC 20006-3708

NEW REACTOR MANAGEMENT MEETING WITH
NUCLEAR ENERGY INSTITUTE - SIGN-IN SHEET

NOVEMBER 5, 2002

| Name | Affiliation | Phone | E-Mail |
|--------------------|--------------------|--------------|--|
| Leslie Fields | NRC/NRR/NRLPO | 301-415-1186 | lcf@nrc.gov |
| Mark Williams | DOE/EH | 301-903-6892 | mark.williams@hq.doe.gov |
| Farouk Eltawila | NRC/RES | 301-415-7499 | fxe@nrc.gov |
| Amy Cubbage | NRC/NRLPO | 301-415-2875 | aec@nrc.gov |
| Cindi Carpenter | NRC/NRR/IIPB | 301-415-1257 | cac@nrc.gov |
| Joe Sebrosky | NRR/NRLPO | 301-415-1132 | jms3@nrc.gov |
| Marsha Gamberoni | NRR/NRLPO | 301-415-1126 | mkg@nrc.gov |
| Jerry Wilson | NRR/NRLPO | 301-415-3145 | jnw@nrc.gov |
| Tom Foley | NRR/IIPB | 301-415-1036 | txf1@nrc.gov |
| Kenneth Hughey | Entergy | 601-368-5327 | whughey@entergy.com |
| Jack Strosnider | USNRC/RES | 301-415-6045 | jrs2@nrc.gov |
| William F. Kane | NRC/OEDO | 301-415-1713 | wfk@nrc.gov |
| Marilyn C. Kray | Exelon | 610-765-5610 | marilyn.kray@exeloncorp.com |
| James Lyons | NRR/NRLPO | 301-415-1126 | jel@nrc.gov |
| Bill Borchardt | NRR/ADIP | 301-415-1284 | rwb1@nrc.gov |
| Eugene S. Grecheck | Dominion | 804-273-2442 | eugene_grecheck@dom.com |
| Ron Simard | NEI | 202-739-8128 | rls@nei.org |
| Marvin Fertel | NEI | 202-739-8125 | msf@nei.org |
| Russ Bell | NEI | 202-739-8087 | rjb@nei.org |
| Stuart Rubin | NRC/RES | 301-415-7480 | sdr1@nrc.gov |
| Bob Bishop | NEI | 202-739-8139 | rwb@nei.org |
| Marvin Smith | Dominion | 231-64-3087 | marvin_smith@dom.com |
| Goutam Bagchi | NRC/NRR/DE | 301-415-3298 | gxb1@nrc.gov |
| Michael Soulard | AECL | 905-823-9040 | soulardm@aecl.ca |
| Victor Snell | AECL | 905-823-9040 | snellv@aecl.ca |

[illegible]

NEW REACTOR MANAGEMENT MEETING WITH NEI
November 5, 2002
Room T-10A1

Introductory Comments

Background

Discussion of New Reactor Licensing Topics

- Status of Early Site Permit Activities
- Significant Issues related to Inspections, Tests, Analyses, and Acceptance Criteria
- 10 CFR Part 52 Process Issues

Opportunity for Public Comment

Adjournment