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DATE OF MEETING

11/18/1999

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| | |
|--|--|
| Docket Number(s) | <u>Project No. 692</u> |
| Plant/Facility Name | <u>Combustion Engineering Owners Group (CEOG)</u> |
| TAC Number(s) (if available) | <u>None</u> |
| Reference Meeting Notice | <u>1999-1048</u> |
| Purpose of Meeting (copy from meeting notice) | <u>To discuss issues with NRC management that are key to</u> <u>the Combustion Engineering Owners Group</u> |

NAME OF PERSON WHO ISSUED MEETING NOTICE

Jack Cushing

TITLE

Project Manager

OFFICE

NRR

DIVISION

DLPM

BRANCH

PDIV-2 and Decommissioning

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COMBUSTION ENGINEERING OWNERS GROUP

NRC/CEOG Senior Management Meeting

November 18, 1999

NRC Offices

Rockville, Maryland

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- 6. CEOG Topical Report Status**



Agenda
NRC/CEOG Senior Management Meeting

Location: NRC Offices, One White Flint Building, Room (5E4)
Rockville, Maryland
Phone: (301) 415-1270

Thursday, November 18, 1999

- 8:30 am Introductions and Opening Remarks
- 8:35 am Feedback from NRR on the CEOG – Sam Collins (NRC)
- 9:15 am Break
- 9:30 am CE Owners Group Report – Ralph Phelps (OPPD)
- Update on CEOG strategic initiatives.
 - CEOG/NRC Communications
 - CEOG Self Assessments
- 10:00 am NRC/CEOG Regulatory Issues – Angie Krainik (APS)
- Elimination of PASS
 - Common Q, Phase 2
 - Pressure Temperature Limits Report (PTLR)
- 10:30 am NRC Topics
- Experience with W laser welded SG sleeves in CE plants
 - GSI-165, Safety Relief Valves
- 11:00 am CEOG Risk Informed Initiatives – Alan Hackerott (OPPD)
- Regulatory Credit for CEOG PSA Cross Comparisons
 - Issuance of SERs for CEOG PSA Joint Application Reports
 - Continuation of Risk Informed Applications Outside of 10 CFR 50 Initiatives
 - Challenges for Maintenance Rule Implementation
 - GSI-23, RCP Seal Integrity
- 11:30 am Y2K Update – Jim Wright (BGE)
- 11:40 am Adjourn

Chairman's Report

Ralph Phelps
November 18, 1999

NRC/CEOG Senior Management Meeting

Topics

- CEOG Strategic Issues
- CEOG Organization
- CEOG/NRC Communications
- CEOG Self Assessments

NRC/CEOG Senior Management Meeting

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1999 CEOG Strategic Issues

1. Steam Generator Integrity
 - » Tools for Operational Assessments and Condition Monitoring
 - » Tubesheet Region Inspections
2. Design/Licensing Basis
 - » License Renewal Issues
 - » Risk-informed Regulation
 - » Maintenance Rule Implementation
 - » RCP Seal Integrity
 - » ECCS Sump Strainer Performance

1999 CEOG Strategic Issues

3. Reactor Plant Materials Issues
 - » Reactor Vessel Internals Aging
 - » Coordination with EPRI MRP
4. Plant Performance Improvements
 - » Indepth Analysis of UCLF Contributors
5. Shorter Refueling Outages
 - » Peer Review Program
 - » Alternate Decay Heat Removal in Mode 6

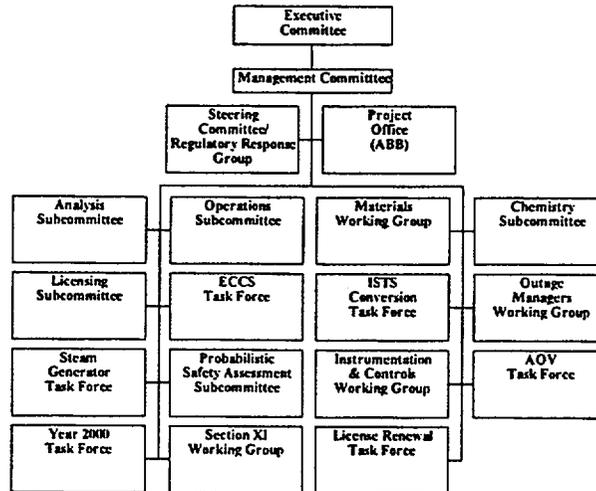
1999 CEOG Strategic Issues

- 6. O&M and Capital Cost Reduction
 - » Eliminate PASS
 - » Extend RV ISI Interval
 - » License Alloy 600 Nozzle Repairs
- 7. Equipment Obsolescence
 - » License Common Q Technology
 - » Strategic I&C Modernization

CEOG Organization Changes

- Since the May CEOG/NRC Senior Management Meeting...
 - » Added License Renewal Task Force
 - » Disbanded Equipment & Maintenance Subcommittee

2000 CEOG Organization



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CEOG/NRC Communications

- Since May, more than 20 meetings with NRC/ACRS on RCP Seals, PASS Elimination, RTT, PTLR, Common Q
- Several changes in NRC Project Manager for CEOG
- Good working relationship with current Project Manger, Jack Cushing
 - » NRC Project Manager attended the October CEOG Management Committee Meeting
 - » Daily phone calls

NRC/CEOG Senior Management Meeting

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CEOG Self Assessments

- Current Initiatives
- Self Assessment Example

Current Initiatives

- PSA Certification Peer Review
- Outage Preparations Readiness Review
- Outage Peer Review
- SSFA/Resource Sharing Project
- Steam Generator Program Peer Review
- Y2K Program Self Assessments

20,000 manhours of CEOG self assessments & peer reviews since 1997

Current Initiatives

- Self Assessment is a vital element of the New Regulatory Oversight Process
 - » self assessment process
 - » corrective action program
- Benefits of CEOG Self Assessments
 - » increased regulatory confidence
 - » sharing of resources
 - » transfer "best practices" among the CE fleet

CEOG Self Assessment - Example

- SSFA/Resource Sharing Project
 - » Discussed with Region 4 Administrator
 - » NRC participation in "lesson learned" meetings
 - » Uses NRC inspection manual guidance
 - » Formal processes and assessment criteria
 - » Rigorous, high quality 2 week onsite self assessment
- SSFA's completed for
 - Main Steam and Feedwater
 - Spent Fuel Pool Cooling
 - Reload Analysis Methods
 - Control Room HVAC

NRC/CEOG Senior Management Meeting Licensing Issues

**Angie Krainik (APS)
Chair, Licensing Subcommittee**

November 18, 1999

PASS Elimination

- **Background**
- **Current Status and Planned Activities**
- **Actions for NRC**

PASS Elimination

- **Background:**

- » Joint Application Report submitted 5/99:
- » ANO2 (lead plant) submitted proposed license amendment 7/99
- » ACRS presentations 9/99
 - ACRS recommends NRC approve CEOG PASS elimination request 10/99

PASS Elimination

- **Current Status:**

- » ACRS Position 10/99
 - NRC should approve CEOG proposal to eliminate PASS from plant licensing and design bases
 - NRC should review need for new generic requirements for measurement of in-containment fission products and sump water pH

PASS Elimination

- **Current Status (continued):**

- » NRC in agreement with CEOG request to eliminate PASS (draft SER written)
 - No remaining technical issues
- » Federal Register Notice for public comment on elimination of PASS (11/99)
 - Notify State EROs
 - Acknowledge that PASS is not required

PASS Elimination

- **Future Activities:**

- » Federal Register Notice comment period ends 1/00
 - Recommend CEOG utilities contact State EROs
- » NRC resolve comments and issue SER by 2/00
- » CEOG lead plant (ANO2) license amendment expected to be approved concurrently
- » Other CEOG plants expected to follow with license amendments

Requested Action

- Confirm agreement with NRC to issue final SER (no later than 2/00) and approve ANO2 license amendment
- Inform NRC that other CEQG plants will submit license amendments early in 2000

Common Q Project

- Overview
- Activities
- CEQG Implementation Plans
- Actions for NRC

Common Q Project Overview

- Purpose:

- » Obtain favorable NRC SER for the Advant 160 PLC (programmable logic controller) for safety applications

- Completed Status:

- » Submit topical report to NRC, addressing PLC platform qualification for safety related applications (7/99)
- » Document compliance to EPRI PLC specification (6/99)
- » Document supplemental environmental qualification (10/99)

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Common Q Project Overview

- Planned Activities:

- » NRC completes draft SER (11/99)
- » Receive SER on Topical Report (2/00)
- » Submit additional EQ information (3/00)
- » Revise Topical Report (Rev 01) and submit (4/00)
- » Receive SER on Rev 1 Topical Report (7/00)

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Common Q Topical Report Overview

- Generic PLC platform description
 - » Hardware, software, failure modes
 - » Software & hardware change management
- Qualification to EPRI TR-107330 Requirements
- Appendices describing applications to:
 - » CEOG RPS, PPS, ESFAS, CPCS, PAMS
 - » Generic Plant-wide Integrated Solution
- Establishes review process for additional applications via Integrated Solution

Interactions with NRC

- Challenges:
 - » New lead reviewer assigned
 - » NRC review fees greater than estimate
 - » Final SER schedule uncertain
- Strengths:
 - » 8 meetings with NRC since April (1-2 days long)
 - Numerous phone calls
 - Positive working relationship
 - » New reviewers have come up to speed
 - » NRC holding to latest schedule commitments
 - Draft SER expected 11/99

Common Q Application Development

- Work begins in 11/99 and scheduled to complete by 7/01:
 - » Completes EQ of equipment
 - » Flat panel displays (generic)
 - » Post accident monitoring system
 - » Core protection calculator system
 - » Builds, tests prototype systems
- CEOG plant system installations planned beginning in 2001

Common Q - Implementation

- CEOG utilities plan to implement Common Q applications beginning in 2001
 - » PAMS: BG&E, FPL and Entergy (WSES)
 - » CPCS: APS, Entergy (WSES)
 - » Common Q Power Supplies & Flat Panel Display: Entergy (ANO)
- Letters have been issued to NRC from the CEOG and BGE expressing the significance of this project

Requested Action

- Firm commitments to schedules:
 - » Draft SER on Topical Report (rev 00) by 11/99
 - » Final SER on PLC platform including system appendices by 2/00
 - » Submit additional EQ information by 3/00
 - » Revise Topical Report (Rev 01) and submit by 4/00
 - » Receive SER on Rev 1 Topical Report by 7/00
- Discuss impact of changing reviewers

Pressure Temperature Limits Report

- Background
- Current Status
- Actions for NRC

PTLR - Background

- CEOG developed the generic Pressure Temperature Limits Report (PTLR) which eliminates PT, LTOP, and material limits from the Technical Specifications
- OPPD lead plant submittal (1/98)
- NRC questions received (3/99)
- Topical Report revised and re-submitted (5/99)
- July 13 meeting with NRC to close open issues
- Numerous conference calls on RAIs from March - September

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Pressure Temperature Limits Report

- **Current Status**
 - » After several rounds of questions NRC suggested that OPPD withdraw topical report
 - Report not accepted for review (OPPD subsequently withdrew Rev 3)
 - Communications and expectations unclear by all
 - Surprised to learn that the multiple rounds of questions were part of 'acceptance review' process
 - » PTLR revised to address all known NRC questions
 - » Project on-hold pending Management Committee direction and authorization

NRC/CEOG Senior Management Meeting

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Pressure Temperature Limits Report

- Plan (subject to Management Committee Action)
 - » Submit Rev 4 as CEOG Generic Report
 - Meet with NRC to reach agreement on all changes before submitting the report (3/00)
 - Address any final NRC comments and submit report for NRC review (4/00)
 - Receive SER and issue report as CE NPSD 683 Rev 4-A

Requested Action

- Recognition of process and review expectations for technical and administrative changes
- Regarding PTLR...
 - » Request meeting with NRC prior to submittal of Rev 4 to determine the acceptance of PTLR
 - » Support review, approval of Rev 4 consistent with CEOG utility implementation plans

Risk Informed Initiatives

CEOG/NRC Senior Management Meeting
November 18, 1999

CEOG/NRC Senior Management Meeting

Risk Informed Initiatives

- **Topics for Discussion:**
 - » RCP Seal Integrity
 - » Regulatory Credit for CEOG PSA Cross Comparisons and Certification
 - » SERs for PSA Joint Applications Reports
 - » Risk Informed Applications Outside of 10 CFR 50
 - » Challenges for Maintenance Rule Implementation

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RCP Seal Integrity

- CEOG provided extensive presentations to the NRC and ACRS on RCP seal integrity
 - › seal design
 - › off normal operating experience
 - › test results
- Zero seal failures; all leakage within SBO capability
- Staff recognizes robust design of CEOG seals
 - › expected leakage under loss of cooling may be small
- NRC closing GI-23 through plant specific reviews
 - › applied "Rhodes" model to evaluate seal integrity
 - › CEOG believes Rhodes model not correct for CE plants

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RCP Seal Integrity

- Applying wrong seal model to CEOG plants negatively impacts maintenance rule, oversight process and PSA applications
- CEOG approved a task to develop a detailed model of the RCP seals
 - › mechanistic and PSA based model
 - › similar to WOG model per NRC suggestion
- Report and model to be completed by July 2000
 - › submit for NRC review and approval
- CEOG requests a meeting with the NRC (12/99)
 - › agreement on depth of modeling details

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Regulatory Credit for CEOG PSA Cross Comparisons

- Cross Comparison of PSA results ongoing for four years
 - global
 - application specific
- Provides insight into plant and modeling differences
 - resolve modeling differences
- Process enhanced by PSA Peer Reviews (Certification)
- Provides a mechanism to increase the quality of PSAs
- Provides assurance of the robustness and technical adequacy of a PSA insight for specific applications
- Cross Comparison referenced in NRC Regulatory Guide
- CEOG requests engagement of NRC Staff on means to better utilize PSA cross comparisons to address overall quality

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SERs for PSA Joint Applications Reports

- CEOG has submitted six PSA Joint Applications Reports (JARs)
 - compilation of plant specific analyses results, methods, differences, for a specific PSA application
- JARs on safety injection tanks, low pressure safety injection, and emergency diesel generator never received SERs
 - pilot plant SER issued
 - requirements for other plant license amendment approvals not clear
- Remaining JARs to have SERs issued
 - request NRC to identify additional plant specific information required to facilitate approval of license amendments
 - identify applicability of SER to plants referenced in JAR

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Risk Informed Applications Outside of 10 CFR 50

- NRC is pursuing to risk inform 10 CFR Part 50
 - Option 2 - treatment of non-risk significant equipment
 - Option 3 - treatment of risk and non-risk significant equipment
- Risk informing 10 CFR Part 50 an important longer term initiative with rulemaking
- On-going risk informed applications must continue to receive priority
 - further ingrains a risk informed culture
 - demonstrates benefits now
 - increases the quality of the PSA and supporting technology
- Request that the NRC provides sufficient resources to review and approve incremental risk informed applications

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Challenges for Maintenance Rule Implementation

- Maintenance Rule A(4) incorporates a requirement to perform a risk assessment prior to performing maintenance
- PSA modeling and assumptions may affect regulatory interpretations, for example
 - update of initiating event frequencies for equipment out of service
 - acceptability of contingencies
- CEOG requests engagement of NRC staff
 - develop mutual understanding of utility implementation and NRC inspection expectations - details

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CEOG Year 2000 Activities Report

Jim Wright (BGE), Chairman
CEOG Y2K Task Force

November 18, 1999

CEOG/NRC Senior Management Meeting

Topics

- **CEOG Y2K Systems Preparations**
 - › Inventory - Phase 1
 - › Detailed Assessment - Phase 2
 - › Remediation - Phase 3

- **CEOG Y2K Millennium Changeover Preparations**
 - › Y2K Korea Link
 - › ABB Support Center

- **CEOG Y2K Task Force**

CEOG/NRC Senior Management Meeting

November 18, 1999

Phase 1: Inventory & Preliminary Assessment

- **Inventory Scope:**
 - › Included on-line, off-line computer systems & analysis codes provided by ABB
 - › Initial assessment & categorization of software/ systems
- **Schedule:**
 - › February, 1998 - May, 1998
- **Results:**
 - › 27 on-line systems
 - › 4 off-line Systems
 - › 245 analysis codes

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Phase 2: Detailed Assessment

- **Detailed Assessment Scope:**
 - › Prioritized, performed system assessments to support utilities outage schedules
 - › Defined system contacts and system boundaries
 - › Prepared testing guidelines, as required
- **Schedule:**
 - › June, 1998 - October, 1998
- **Results:**
 - › Assessed 23 on-line Systems and 4 off-line systems
 - found 2 (monitoring systems) systems that required remediation

***No safety or control issues found in CEOG systems,
software that would interrupt plant operation due to Y2K***

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Phase 3: Remediation

- Remediation Scope:
 - » CEA position display system (CEAPDS) testing
- Schedule:
 - » December, 1998 - June, 1999
- Results:
 - » Technical Specification timer software required fix to make Y2K ready

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Y2K Korea Link

- Purpose: Observe any millennium change problems at YGN 3/4 and report problems to USA
- Scope:
 - » deploy small ABB, utility team to observe millennium changeover in Korea
 - I&C, operations expertise
 - » distribute information in USA to CEOG utility contacts through ABB Y2K support center
 - ABB plant RSMs will also receive all information

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Y2K Korea Link

- **Schedule:**
 - » ABB, utility team staff departs for Korea by 12/27/99
 - on station in Korea through 1/7/00 (TBD - based on problems to be resolved)
 - » ABB Windsor Y2K support center staffed beginning 12/31/99
 - on station through 1/3/00 (TBD)
- **No direct interface with NRC has been requested**
 - » NRC will rely on direct interface with Korean Regulators
 - » NRC YEWS is available to monitor and volunteer information

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CEOG Y2K Task Force

- **Purpose:** CEOG utility / ABB Task force to respond to Y2K issues associated / related to systems and software supplied by ABB
 - » CEOG utility members named to Y2KTF formed in June, 1998
 - » effective key contacts working with ABB to complete inventory, detailed assessment projects in 1998
- **Current status:**
 - » standing by to respond to millennium changeover Y2K issues
 - » integral part of ABB Y2K contact / communication plan
- **Schedule:**
 - » Task Force will remain in place through March, 2000, or longer if required

CEOG/NRC Senior Management Meeting

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CEOG Topical Reports Under NRC Review

| Topical Report Number and Title | Submittal Date and Ref. memo | Lead Plant and Review Priority | NRC Lead; TAC No. | Review Status and Comments |
|---|--|---------------------------------|--------------------------------------|---|
| CE NPSD-1157 <i>Elimination of PASS Requirements (Task 1072)</i> Schneider x-3962; Lurie x-9263 | 5/5/99 CEOG-99-137 | ANO-2 – High | Jim O'Brien 415-2919; MA5661 | Fed Register notice for public comment pending. SER scheduled by 2/18/00. |
| CE NPSD-1041 <i>Joint Application for HPSI System Technical Specification Modifications (Task 849)</i> Schneider x-3962; Hijeck x-3115 | 3/11/98 CEOG-98-117 | WSES-3 – High | N. Gilles 415-1180; MA1555 | CEOG and licensees have requested a coordinated review of the reports and facility license amendments. NRC / Windsor conference call ~12/01 to review closeout actions. SER target = 1/15/00. |
| CE NPSD-1045 <i>Joint Applications Report for Modifications to the CS and LPSI Technical Specifications (Task 849)</i> Schneider x-3962; Hijeck x-3115 | 4/6/98 CEOG-98-155 | APS – High | N. Gilles 415-1180; MA1956 | CEOG and licensees have requested a coordinated review of the reports and facility license amendments. SER target 11/30/99. |
| CE NPSD-911 & Amendment 1 <i>Analysis of Moderator Temperature Coefficients in Support of a Change in the Technical Specifications End-of-Cycle Negative MTC Limit (Task 1009)</i> J. Brown x-5575; Hijeck x-3115 | 12/9/94, W3F1-94-0131 12/20/94, CEOG-94-714 | WSES-3 – Low | M. Chatterton 415-2889; MA3781 | Reviewed RAIs in conference call with WSES-3, Windsor & NRC on 10/25/99. Need statement on applicability of topical to other organizations to complete SER. SER target < 12/31/99. |
| CENPD-396-P, CE-CES-195-P <i>Common Q Platform Qualification and System Appendices 1-4, (Task 1067)</i> Collette x-9272; Stofko x-9284 Lurie x-9263 | 7/2/99 LD-99-040 | Joint Application Report – High | K. Mortensen 415-2915; MA1677 | Phase 2: Issue draft SER by 11/30/99; final SER by 2/29/00. Phase 3: EQ of additional equipment to be completed by 3/31/00. CEOG to submit revised Topical Report, SPM and Appendices by 4/30/00. Phase 3 SER target is 7/31/00. |

ABB Topical Reports Under NRC Review

| Topical Report Number and Title | Submittal Date and Ref. memo | Lead Plant and Review Priority | NRC Lead; TAC No. | Review Status and Comments |
|---|--|--------------------------------|---|---|
| CENPD-132, Supplement 4-P <i>Calculative Methods for the ABB CENP Large Break LOCA Evaluation Model</i> Jageler x-2289; Molnar x-5205 | 4/30/99 LD-99-026 | ANO-2 – TBD | Yi-Hsiung Hsui 415-2877; MA5660 | RAIs expected by 12/31/99. SER target = 10/31/00 (ABB), 12/31/2000 (NRC). |
| CENPD-387-P <i>ABB Critical Heat Flux Correlations for PWR Fuel</i> Karoutas 687-8059; Joffre 687-8062 | Prop = 6/30/99 LD-99-038 NonP = 7/15/99 LD-99-043 | BG&E – TBD | Tony Attard 415-2808; MA6109 | SER target = 2/01/00. |
| CENPD-390-P <i>The Advanced PHOENIX and POLCA Codes for Nuclear Design of Boiling Water Reactors</i> D.E-Koeing 687-8018; B.Harris -8014 | 4/15/99 LD-99-023 | WNP-2 – TBD | Tony Uises 415-1194; MA5659 | RAIs expected by 11/12/99. SER target = 4/00. |
| CENPD-392-P <i>10x10 SVEA Fuel Critical Power Experiments and CPR Correlations: SVEA-96</i> D.E-Koeing 687-8018; B.Harris -8014 | 5/28/99 LD-99-031 | WNP-2 – TBD | Tony Attard 415-2808; MA5999 | SER target = 4/00. |
| CENPD-397-P <i>Improved Flow Measurement Accuracy using CROSSFLOW Ultrasonic Flow Measurement Technology.</i> Doney x-3400; Molnar x-5205 | 8/23/99 LD-99-047 | Duane Arnold – High | I. Ahmed 415-3252; input from SRXB; MA6452 | RAIs rec'd 10/26 & 11/01/99. Conf call to discuss RAIs held 10/28 & 11/05/99. RAI responses = 11/24/99 target. SER target = 1/1/00 (ABB); 3/20/00 (NRC). |

CEOG Topical Reports Under NRC Review

| Topical Report Number and Title | Submittal Date and Ref. memo | Lead Plant and Review Priority | NRC Lead; TAC No. | Review Status and Comments |
|---|------------------------------|--------------------------------|--|---|
| CENPD-388-P <i>Extension of the 1 Pin Burnup Limited to 65 MWd/kgU for ABB PWR Fuel with OPTIN Cladding (Task 1010)</i> G.Smith 687-8070; Lurie x-9263 | 2/16/98 CEOG-98-069 | WSES-3 – High | M. Chatterton 415-2889; MA1058 | Staff waiting CEOG response on clad oxidation found at BGE on aggressively burned fuel. CEOG submit schedule = TBD. SER schedule = TBD + 1 month. |
| CE NPSD-1167, Rev 01 <i>Elimination of Pressure Sensor Response Time Testing Requirements (Task 1070)</i> D.McQuade x-4653; Lurie x-9263 | 9/30/99 CEOG-99-304 | BG&E, APS – Medium | P. Loeser 415-2825; MA6010 | SER schedule = 1/31/00. |
| CE NPSD-1168 <i>Joint Applications Report for Risk informed TS changes Containment Isolation Valves AOT Extension. (Task 849)</i> Schneider x-3962; Hijeck x-3115 | 7/27/99 CEOG 99-239 | SCE – High | R. Lobel 415-2865; M.Wohl 415-1180; MA6288 | CEOG has requested a coordinated review of the report and facility license amendments. SER schedule governed by PRA branch workload; SER target < 4/30/00. |

CEOG Topical Reports Under Development

| Topical Report Number and <i>Title</i> | Submittal Date and Ref. memo | Lead Plant and Review Priority | NRC Lead; TAC No. | Review Status and Comments |
|--|------------------------------|--------------------------------|-----------------------|---|
| <i>Risk-Informed AOT Extension Tech Spec Changes for One DC Power System Out of Service (Task 849)</i> Schneider x-3962; Hijeck x-3115 | 12/31/99 | SCE – High | N. Gilles 415-1180 | CEOG topical report to be submitted. |
| <i>Global Risk-Informed Tech Spec Changes to 3.0.3 Actions (Task 1115)</i> Schneider x-3962; Hijeck x-3115 | 12/31/99 | SCE – High | TBD | CEOG topical report to be submitted. |
| <i>Global Risk-Informed Tech Spec Changes to Mode Restraints (i.e., modes 5 to 4 to 3) (Task 1115)</i> Schneider x-3962; Hijeck x-3115 | N/A | SCE – High | TBD | CEOG topical report to be submitted. |
| <i>Global Risk-Informed Tech Spec Changes to Safe Mode End State (i.e., mode 4 to 5) (Task 1115)</i> Schneider x-3962; Hijeck x-3115 | 12/31/99 | SCE – High | TBD | CEOG topical report to be submitted. |
| CE NPSD-683, Rev. 04 <i>Development of a RCS Pressure Temperature Limits Report for the Removal of P-T Limits and LTOP Requirements from the Technical Specifications (Task 1120)</i> T.Sowers x-3146; Molnar x-5205; Lurie x-9263 | 3/2000 | TBD – | TBD | Meeting with NRC planned to determine suitability of information to be provided in Rev 04. |
| <i>Low Alloy Steel Analyses to Support A600/A690 Nozzle Repairs (Task 1131)</i> J.Hall x-4762; Lurie x-9263 | 6/2000 | TBD – | TBD | Topical report will reference similar analyses on docketed submittals. SER requested by 12/00. |

CEOG Topical Reports Under Development

| Topical Report Number and <i>Title</i> | Submittal Date and Ref. memo | Lead Plant and Review Priority | NRC Lead; TAC No. | Review Status and Comments |
|---|------------------------------|--------------------------------|-------------------|---|
| <i>RCP Seal Failure Model (Task 1136)</i> D.Finnicum x-3926; Hijeck x-3115 | 7/07/2000 | TBD -- | TBD | Meeting with NRC to be held to discuss planned failure model. |

CEOG Topical Reports Completed or Awaiting Implementation

| Topical Report Number and <i>Title</i> | Submittal Date and Ref. memo | Lead Plant and Review Priority | NRC Lead; TAC No. | Review Status and Comments |
|--|---------------------------------|--------------------------------|-----------------------------------|---|
| CE NPSD-994 <i>Joint Applications Reports for SIT AOT Extensions (Task 836)</i> Schneider x-3962; Hijeck x-3115 | 7/10/95 | SCE – High | N. Gilles 415-1180; M92981 | Review completed, SER issued. SIT AOT change license amendments issued. |
| CE NPSD-995 <i>Joint Applications Reports for LPSI AOT Extensions (Task 836)</i> Schneider x-3962; Hijeck x-3115 | 7/10/95 | SCE – High | N. Gilles 415-1180; M92981 | Review completed, SER issued. LPSI AOT change license amendments issued to lead plant (SCE) 9/98. NRC waiting other CEOG members to submit revised license amendments. |
| CE NPSD-996 <i>Joint Applications Reports for EDG AOT Extensions (Task 836)</i> Schneider x-3962; Hijeck x-3115 | 7/10/95 | SCE – High | N. Gilles 415-1180; M92981 | Review completed, SER issued. EDG AOT change license amendments issued to lead plant (SCE) 9/98. NRC waiting other CEOG members to submit revised license amendments. |
| CE NPSD-1085 <i>CEOG Response to NRC GL 97-01, Degradation of CEDM Nozzle and Other Vessel Closure Head Penetrations (Task 992)</i> J. Hall x-4762; Lurie x-9263 | 7/97 | All CEOG members – High | Jim Medoff 415-2715; MA0203 | Review complete; vessel head penetration issue closed based on J. Strosnider (NRC) letter to D. Modeen (NEI) dated 3/21/99. |
| CE NPSD-951, Rev 01 <i>Reactor Trip Circuit Breakers Surveillance Frequency Extension (Task 787)</i> Paggen x-4700; Hijeck x-3115 | 7/17/96, Letter W3F1-96-0004 | WSES-3 – Medium | I.Ahmed 415-3252; M96366 | Review completed and SER issued in June 1999. Approved version of Topical Report issued. |

licensees must keep track of whether plant equipment is in or out of service. The status of the equipment may be kept as a manual list or on a database but must be easily accessible and kept up to date.

Additional guidance is provided in Section 11.0 of NUMARC 93-01, paragraph 03.03.c of IP 62706, and the INPO guideline, "Managing Maintenance During Power Operations" (Ref. 6)

62707-04 RESOURCE ESTIMATE

The resource estimate for this inspection procedure is approximately 15 hours of direct inspection effort each month.

62707-05 REFERENCES

1. U.S. Code of Federal Regulations, "Requirements for monitoring the effectiveness of maintenance at nuclear power plants," 10 CFR 50.65.
2. U.S. NRC, "Maintenance Rule," Inspection Procedure 62706, August 31, 1995.
3. U.S. NRC, "Monitoring the Effectiveness at Nuclear Power Plants," Regulatory Guide 1.160.
4. Nuclear Management and Resources Council, "Industry Guideline for Monitoring the Effectiveness of Maintenance at Nuclear Power Plants," NUMARC 93-01, Revision 1.
5. U.S. NRC, "Relaxation of Staff Position in Generic Letter 83-28, Item 2.2, Part 2, 'Vendor Interface for Safety-Related Components,'" Generic Letter 90-03, March 14, 1990.
6. Z.T. Pate, Institute of Nuclear Power Operations, letter to James M. Taylor, U.S. NRC, transmitting the guideline "Managing Maintenance During Power Operations," March 1, 1995.

END