

**CRITERIA FOR  
EXEMPTIONS CITING  
FOOTNOTES IN  
10 CFR 170.21 AND 170.31**

**January 10, 2002**

**Office of the Chief Financial Officer  
Division of Accounting and Finance**

# BASES FOR FOOTNOTES

- FY 1994 fee rule revised the definition of Special Projects provided in § 170.3 and the Footnotes in §§170.21 and 170.31 to indicate that Part 170 fees will not be assessed for requests/reports which have been submitted to the NRC:
- (a) In response to a generic letter or NRC Bulletin that does not result in an amendment

to the license, does not result in the review of an alternate method or reanalysis to meet the requirements of the Generic Letter, or does not involve an unreviewed safety issue;

- (b) In response to an NRC request (at the Associate Office Director level or above) to resolve an identified safety, safeguards, or environmental issue, or to assist the NRC

in developing a rule, regulatory guide, policy statement, generic letter, or bulletin; or

- (c) As a means of exchanging information between industry organizations and the NRC for the purpose of supporting NRC's generic regulatory improvements or efforts.

- **Definitions:**
- **Special Projects** are those requests submitted to the Commission for review for which fees are not otherwise specified
- **Alternate Method** is a method that deviates significantly from the method proposed.

- **Definitions (cont'd):**
- **Reanalysis** is an analysis of an alternate method but not a review of changes to a method which is consistent with that proposed by the Generic Letter;
- **Unreviewed safety issue** is a safety issue unrelated to the safety issue identified in the generic communication that arises from proposal of an alternate method and will require reanalysis by the NRC staff

**BWR Owners' Group/NRC  
Senior Management Meeting  
January 10, 2002, 8:30 am - 12 noon  
OWFN - Room 05B4**

**AGENDA**

- 8:30 Opening Remarks**
- 8:45 Review Joint Submittal Plan**
- 9:00 Security**
- 9:15 Stability**
- 9:30 Option 2**
- 9:45 Option 3**
- 10:00 Risk Informed Tech Specs**
- 10:15 H<sub>2</sub>/O<sub>2</sub> Monitor – Combustible Gas Control System**
- 10:30 Pipe Break Inside Containment (GSI 156.6.1)**
- 10:45 PASS Elimination**
- 11:00 Fee Waiver Discussion**
- 11:10 Hamoaka Pipe Break**
- 11:15 Active Licensing Topical Report Reviews**
- 11:30 Open Discussion**
- 11:45 Adjourn**

**NRC/BWR OWNERS' GROUP**  
**MANAGEMENT MEETING – January 10, 2002**  
**AGENDA**

- |   |           |
|---|-----------|
| <b>8:30 Opening Remarks</b>   | BWROG/NRC |
| <b>Security</b>   | BWROG/NRC |
| - Support of NEI/NRC program recommendations  |           |
| -   |           |
| <b>Stability</b>  | BWROG     |
| Status of Detect and Suppress committee work  |           |
| <b>Option 2</b>   | BWROG     |
| - Discuss the draft 50.69 language  |           |
| <b>Option 3</b>   | BWROG     |
| - Discuss LOOP + LOCA progress  |           |
| - Discuss progress on decay heat  |           |
| <b>Risk Informed Tech Specs</b>   | BWROG     |
| - Status on Initiative 3 TSTF & BWROG Initiative 1  |           |
| - Provide update on initiative schedules  |           |
| <b>H2/O2 Monitor – Combustible Gas Control System</b>   | BWROG     |
| - BWROG submitted LTR to justify non-safety classification for H <sub>2</sub> /O <sub>2</sub> monitors and combustible gas control systems in June 2001. Need update from NRC with respect to review schedule. BWROG comments on NRC regarding 10CFR50.44 rulemaking. |           |
| <b>Pipe Break Inside Containment (GSI 156.6.1)</b>  | BWROG     |
| - Status of NRC review of BWROG report submitted on November 15, 2001.  |           |

**NRC/BWR OWNERS' GROUP  
MANAGEMENT MEETING – January 10, 2002  
AGENDA**

**NRC STATUS ISSUES**

NRC

**Joint Submittal Planning**

- Review NRC/BWROG submittal integrated schedule

**PASS Elimination**

- Status of NRC Tech Spec change approval notice

# *Security & Severe Accident Guidelines*

Presentation for  
NRC / BWR Owners' Group Meeting

January 10, 2002

January 10, 2002

NRC / BWROG Meeting

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# *Security & Severe Accident Guidelines*

Presentation Objectives

- Review BWROG activities following  
Sept. 11

January 10, 2002

NRC / BWROG Meeting

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## *Security & Severe Accident Guidelines*

### Activities to Date

- BWROG attended initial NEI meeting Nov. 8 in Atlanta
- Purpose of Meeting was to discuss spent fuel and reviews of Severe Accidents as defined in NRC's Security Advisories

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## *Security & Severe Accident Guidelines*

### Activities to Date (cont'd)

- BWR Owners' Group is supporting NEI in the area of Plant capabilities and operator actions to address circumstances described in NRC Advisories
- BWROG attended NEI meeting Dec. 11 and subsequent NEI/NRC meeting Dec. 12

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NRC / BWROG Meeting

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## *Security & Severe Accident Guidelines*

### Activities to Date (cont'd)

- NRC presentations suggested impending changes to the DBT that might result in the need for additional actions not considered in existing procedures
- BWROG encourages dialogue between Staff and Industry on "Engineering Assumptions"

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## *Security & Severe Accident Guidelines*

### Activities to Date (cont'd)

- BWROG members have performed Plant reviews
- Agreement on assumptions will enhance reviews
- Existing BWROG EPG/SAMGs provide plant personnel with an excellent technical resource for dealing with unexpected plant conditions

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## *Security & Severe Accident Guidelines*

### Activities to Date (cont'd)

- Existing BWROG EPG/SAMGs provide operators with symptom based guidance to counter effects of events without regard to event initiator or the likelihood of its occurrence

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## *Security & Severe Accident Guidelines*

### Future BWROG Activities

- BWROG will participate in NRC/NEI dialogue on the scope for additional reviews
- BWROG will consider recommending supplemental operator actions as needed to enhance existing Guidelines

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## *Security & Severe Accident Guidelines*

### Proposed Future BWROG Activities (cont'd)

- Attend future NEI and NEI/NRC meetings
- Define scope of reviews

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# Stability Detect and Suppress Methodology

NRC/BWROG  
Management Meeting

January 10, 2002  
Rockville, MD

## Background

- NRC General Design Criteria:
  - Reactor instability can be either *prevented*, or
  - Reliably and readily, *detected and suppressed*
- BWROG, w/GE, developed stability solutions
  - Prevention: Enhanced Option I-A (E1A)
  - Detect & Suppress: Options I-D, II, III
    - Option III uses new Oscillation Power Range Monitor (OPRM) trip system to detect oscillations
    - Option I-D and II use existing flow-biased APRM flux trip for instability protection
- BWROG, w/GE, then developed reload methodology for each option

## Background

- Option I-D plants:
  - Vermont Yankee, Fitzpatrick, Monticello, Duane Arnold, Cooper
- Option II plants:
  - NMP-2, Oyster Creek
- Option III plants:
  - Armed: Hatch, Fermi 2, NMP-2, Browns Ferry, Perry, Columbia
  - Selected, not yet armed: Dresden, Quad Cities, LaSalle, Clinton, Hope Creek, Susquehanna, Peach Bottom, Limerick, Brunswick (for EPU)

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NRC/BWROG Management Meeting

## DIVOM Curve Non-Applicability

- Reload methodology (NEDO-32465-A) defines cycle-specific calculation to ensure selected stability option provides MCPD safety limit protection
- Reload method relies on generic DIVOM curves of CPR change vs. oscillation magnitude
- Spring 2001: GE discovered that generic curves may be non-conservative, Part 21 notification issued
- Safety impact:
  - If limiting anticipated reactor instability occurred, a portion of the fuel could experience boiling transition prior to reactor scram
  - No problem with stability protection hardware/systems
  - Not a fuel failure/significant safety hazard issue
  - Affects current operation only for Option III plants

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NRC/BWROG Management Meeting

## Timeline (2001)

- June 25: impact on Hatch confirmed
- June 26: BWROG (PIRT) notified
- June 26-28: Affected plants declare system inoperable
- June 29: GE issued Part 21 notification
- July-August: BWROG technical interaction with GE, D&S committee formed and Phase 1 funding approved
- August 31: Final Part 21 notification
  - "Final guidance:" Recommend BWROG D&S participation
- September-present: Continue issue resolution evaluation with GE/BWROG technical interface, Phase 2 funding approved

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## BWROG Detect and Suppress Methodology II Committee

- Phase 1 (workslope complete):
  - Perform a detailed assessment of the existing DIVOM curve database
  - Develop Phenomena Identification and Ranking Table (PIRT) – ensure all key factors defined
  - Define additional TRACG cases needed to define a suitably wide-ranged database
- Phase 2 (funding approved):
  - Develop revised methodology which accounts for all key factors
  - Provide cycle specific DIVOM curve applicability criteria
  - Address GE and non-GE fuels
  - Issue licensing documentation
  - Obtain NRC approval
  - Results will be applicable to all vendors and fuel types.

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## BWROG D&S Committee Schedule

TRACG sensitivity studies complete Key correlation parameters defined	January 2002
TRACG correlation parameter studies complete with full range of parameters evaluated	March 2002
DIVOM correlation developed and tested	May 2002
Review proposed methodology with D&S Committee	June 2002
Review proposed methodology with NRC	July 2002
Develop and submit LTR	September 2002
NRC Approval	December 2002

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NRC/BWROG Management  
Meeting



## RIP50 Option 2

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Presentation to NRC  
January 10, 2002  
Rockville, MD

## Purpose of the Committee

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- Complete a pilot program to test the NEI guidelines
    - Systems selected were low pressure core spray, standby gas treatment, and feedwater
    - Pilot plant was Quad Cities
  - Continue to follow and support industry efforts with 10CFR50.69
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## Purpose of the Presentation

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- Review Committee activities
- Discuss the NRC's draft 10CFR50.69 rule language
- Discuss Committee's 2002 program plan

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## Background

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- 2001 program:
  - Categorized selected SSCs using PRA and other information
  - Identified regulations for which to change treatment requirements
  - Conducted an Integrated Decision-Making Panel at the pilot plant
  - Reported on the process and results
  - Provided results to NRC for their information

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## Status of Option 2

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- Draft 50.69 rule language issued for public comment in late November
  - Categorization issues appear to be resolved
  - Some treatment requirements are at issue
- NRC appear to be receptive to comments; NEI has commented

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## Issues – Treatment Program

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- Program issues
  - Nuclear industrial (BOP) controls are adequate.
  - No need for a license amendment to apply for a new rule
- Technical issues
  - Seismic and environmental
  - Conditions of License
  - Specific ASME Code requirements

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## **Actions**

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- BWROG categorization efforts supported eliminating categorization issues
  - BWROG program needs to focus on treatment issues
    - Conduct table top exercises to demonstrate the strength of Nuclear Industrial programs
    - Maintain involvement with industry efforts
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# Risk Informed Option 3

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BWROG NRC Meeting  
January 10, 2002

Terry Rieck  
Exelon

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January 10, 2002

NRC Meeting

## Purpose of the Committee

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- Identify and Develop Risk-Informed Part 50 Option 3 programs
  - Separation of LOCA and LOOP
  - Evaluate elimination of single failure for certain LOCAs
  - Develop a framework for Option 3 implementation
  - Support the proposed rule change that replaces the 1971 decay heat standard with the 1994 standard
  - Support pilot plant efforts

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## Purpose of the presentation

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- Discuss progress on LOOP + LOCA
- Discuss progress on decay heat
- Discuss further actions

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## LOCA and LOOP Separation

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## Option Defined

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- Drop the requirement that LOOP be postulated in larger, more unlikely design-basis LOCAs (combined event frequency  $<1 \times 10^{-6}$ )
- Consider LOOP for all other LOCAs
- Delayed LOOP to be considered under a risk-informed approach
  - Preliminary evaluation indicates it is not a concern for BWRs

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## Potential Safety Benefits

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- Focus industry and NRC on risk-significant SSCs
- Improved diesel generator reliability
  - slower start times
  - less challenging load sequencing
  - less challenging testing
- Improved ECCS equipment reliability
  - slower valve stroke times
- ECCS/ESF actuation based on risk-significant scenarios
  - Emergency bus load shedding and DG load sequencing based small break LOCA

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## Potential Burden Reduction

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- Possible \$1 Million/year/plant
  - Margin gain to LBLOCA ECCS criteria
    - peaking factors
    - power up-rate
    - Relaxation in ECCS equipment assumptions (e.g. valve stroke actuation times, pump flows)
  - Reduction in DG maintenance and testing
  - Relaxation in DG load capability and redundancy
  - Relaxation in TS allowed outage times & surveillances for DGs, ECCS and other electrical equipment
  - Reduction in MOV testing and maintenance

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## Issues

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- Aggregation of Conditional LOOP data
- Scope control of new issues
  - NUREG/CR 6538 delayed LOOP concerns

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## Actions

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- EPRI is developing LOOP and degraded grid data and resolving issues with national labs
- NRC is revising LOCA data frequencies
  - Progress seems slow
- BWROG will evaluate NUREG/CR 6538 issues relative to delayed LOOP
- BWROG will evaluate “non-traditional” LOCAs

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## Change of the Decay Heat Standard

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## Decay Heat Requirements

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- Licensees currently have 2 LOCA options
  - Use Appendix K model with the 1971 standard and specified 20% uncertainty
  - Use a “realistic” model per Regulatory Guide 1.157 with best-estimate decay heat

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## Status

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- NEI submitted a proposed rule to speed up the process (BWROG concurred)
  - a simple update of 50.46 to the 1994 standard
- November 2001, the NRC Staff presented to the ACRS significant technical issues to be resolved
- NRC has scheduled a technical meeting for January 15, 2002
- NRC schedule is to complete technical work by July 2002
  - Extensive technical work could delay schedule

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## Committee Actions

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- Reviewing BWR implementation of the 1994 standard.
- Preparing for and attending the NRC technical meeting
- Evaluating the effect of non-conservatisms on BWRs

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## Further Actions

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## Overview

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- Identify a pilot plant to implement LOOP + LOCA separation
- Develop methodology for engineering implementation
  - To address deterministic analysis methods and acceptance criteria based on event probabilities
- Integrate this work with a revised NRC framework document

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## Summary

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- BWROG and NRC appear to be on convergence for Option 3, especially LOOP + LOCA
- BWROG has concerns of:
  - Scope control of new issues
  - Lack of progress on data issues
  - Potential for extended technical discussions on decay heat
  - Need to develop an engineering framework for implementation

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# Risk Informed Technical Specifications

Presentation to the NRC  
January 10, 2002  
Rockville, MD

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January 10, 2002

NRC Meeting

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## Purposes of the Committee

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- Enhance current Technical Specifications
  - To reflect the safety significance of the condition or requirement and
  - If warranted, gain additional operating flexibility.
- Maintain strategic industry coordination
  - NEI Risk Informed Technical Specification Task Force has been formed
  - Assure common or similar implementation by the four NSSS Owners' Groups.

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## Purpose of the Presentation

- # Review Initiative Status and Schedule
- # Discuss overall status of program coordination

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## Industry Initiatives

- 1 Modified end states
- 2 Missed Surveillances - **Approved**
- 3 Flexible mode restraints
- 4 Risk Informed AOTs with a backstop
- 5 Transfer SRs to owner controlled program and optimize STIs
- 6 Modify LCO 3.0.3 to about 24 hours
- 7 Define not operable but functional
- 8 Eliminate TS that do not meet the 4 10CFR50.36 criteria

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## Program Coordination Evaluation

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- # Activities are generally on track with schedules
- # Communication on schedule changes is occurring
- # Need to continue to monitor progress to stay on track.

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## Status – Initiative 1 End States

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- # Submitted BWROG Report via NEI in January 2001
- # Received NRC RAI in July 2001
- # Answered RAI via NEI in October 2001
- # NRC SER due in First Quarter 2002

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## Status – Initiative 3

### Increased Flexibility in Mode Restraints

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- ✦ Submitted BWROG Report as part of an industry submittal in December 2000
- ✦ Received NRC RAI in August 2001
- ✦ Answered RAI as part of an industry submittal in October 2001
- ✦ NRC response on 12/17/01
- ✦ TSTF to be provided on 1/30/02

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## Status – Initiative 4a

### Individual RI AOT's

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#### Initiative 4a: AOT Extensions

- ✦ BWROG CIV AOT report requesting extension from 4 hours to 7 days to be submitted in January 2002
- ✦ Report similar to CEOG which has been approved
- ✦ Need to develop more detailed schedule between BWROG and NRC
- ✦ Anticipate NRC review to be complete in July 2002

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## Status - Initiative 4b AOT with Backstop

- # Discussed methods with NRC in July 2001
- # Developed white paper based on Maintenance Rule (a)(4) structure and NRC comments
- # Provided white paper to NRC in October 2001
- # Industry work continuing
- # NRC feedback to white paper due 1/15/02
- # TSTF to be submitted to NRC June, 2002

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## Status - Initiative 5b Relocate And Optimize STI's

- # BWROG has industry lead
- # Provided white paper to NRC detailing methodology (similar to RI-IST)
- # NRC provided comments
- # RITSTF will provide revised white Paper by 1/31/02
- # TSTF submittal by mid 2002

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## Status - Initiative 6

### Modify LCO 3.0.3

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- # Industry response to RAI's due 1/31/02
- # BWROG work targeted for 2003

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## Status - Initiative 7

### Operability Requirements

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- # Discussed methods with NRC in October 2001
- # NRC provided input
- # White paper revised and provided 12/19/01
- # TSTF to be provided by 3/30/02

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## Status - Initiative 8 Removal from Tech Specs

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- Majority of work targeted for 2003
- Need to coordinate with other BWROG Committees
  - Supporting H2/O2 removal in 2002

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# **H<sub>2</sub>/O<sub>2</sub> Monitors, Combustible Gas Control Systems (CGCS) Regulatory Relaxations**

**Presentation for  
BWROG/NRC Management  
Meeting**

**January 10, 2002  
Rockville, Md**

January 10, 2002

BWROG/NRC Management  
Meeting

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## **H<sub>2</sub>/O<sub>2</sub> Monitors and CGCS Background**

- SECY 01-162 (August 23, 2001) Confirmed NRC Intent to Proceed with Rulemaking with Significant Changes from Plan Discussed in SECY 00-198
  - Requirements for H<sub>2</sub> recombiners will be deleted for all PWR and BWR containment types
    - ┆ "lack of safety significance and the low risk significance of the recombiners justify deleting the existing equipment"
  - Eliminates requirements for H<sub>2</sub>/O<sub>2</sub> monitors to be safety grade (no change from previous position)
- NRC Staff has established new generic issue (GSI-185) to consider additional H<sub>2</sub> control for PWR ice condenser and BWR Mark III containments

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BWROG/NRC Management  
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## **H2/O2 Monitors and CGCS Background (Continued)**

- BWROG Licensing Topical Report submitted on June 22, 2001
  - Commercial grade monitors acceptable
  - Mark III, eliminate O2 monitors (control on hydrogen only)
  - Mark I and II, eliminate H2 recombiner safety-related requirements
  - Mark III, eliminate recombiners (redundant to igniters)
  - Eliminate safety-related classifications for containment air dilution systems
  - Remove associated Tech Spec requirements

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## **H2/O2 Monitors and CGCS Background (Continued)**

- NRC published draft language for 10CFR50.44 rulemaking on October 26, 2001
  - Eliminates requirements for recombiners
- NRC plans to keep Tech Spec requirements for O2 monitors
  - RG 1.97 category 2 (category 3 for hydrogen)
  - Redundant (2 in drywell, 2 in wetwell)
  - Non-safety but qualified to accident environment
  - Position appears to be inconsistent with RITS
  - NEI letter dated December 20, 2001 recommends that O2 monitor requirements be moved to licensee controlled document
- BWROG draft TSTF to remove H2/O2 monitor requirements from Tech Spec concludes that the four (4) 10CFR50.36 criterion do not require monitors to be in Tech Specs

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Meeting

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**H2/O2 Monitors and CGCS  
Recent/Current Actions**

- NRC/BWROG/NEI conference call held on January 7, 2002
  - NRC reviewers had not received NEI letter dated December 20, 2001
- BWROG/NRC in agreement except for O2 monitor Tech Spec requirements for Mark I and II BWRs
- NRC expediting 10CFR50.44 rulemaking
  - BWROG topical report was helpful to NRC in rulemaking effort
  - Rule issuance in late 2002 or early 2003
  - Benefit of proceeding with BWROG licensing topical report review in question
  - NRC stated willingness to consider plant specific exemptions prior to new rule issuance

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**H2/O2 Monitors and CGCS  
BWROG Recommendations**

- Work with NRC and NEI to resolve disagreement with respect to O2 monitor Tech Spec requirements
  - Assist NRC to justify moving to Technical Requirements Manual
- BWROG will consider withdrawal of NEDO-33003, "Regulatory Relaxation for the H2/O2 Monitors and CGCS"
  - May resubmit if 10CFR50.44 rulemaking does not proceed on schedule

January 10, 2002

BWROG/NRC Management  
Meeting

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# *Review of the Prioritization of GSI 156.6.1*

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**Presentation for  
BWROG/NRC Management Meeting**

**January 10, 2002  
Rockville, MD**

**Jack Gray  
Entergy Nuclear Northeast**



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# *Review of the Prioritization of GSI 156.6.1*

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## **Presentation Objective**

- ◆ Provide NRC Management with current status of BWROG work

## *Review of the Prioritization of GSI 156.6.1*

### **Background**

- ◆ RES prioritized GSI 156.6.1 as “high priority”
- ◆ RES is currently assessing whether affected plants (SEP III) should be individually reevaluated
- ◆ BWROG established a committee consisting of all affected plants to review the prioritization

## *Review of the Prioritization of GSI 156.6.1*

### **BWROG Activities**

- ◆ Surveyed all affected plants to identify the current licensing basis
- ◆ Identified conservatism in RES evaluation
- ◆ Documented results in GE report NEDC-33054P, “Conservatism in NRC Prioritization of Pipe Break Effects on Systems and Components”
- ◆ Report submitted to NRC on November 15, 2001



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## *Review of the Prioritization of GSI 156.6.1*

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### **BWROG Report Conclusion**

- ◆ RES assessment is excessively conservative
- ◆ CDF <  $10^{-8}$ /yr for all 16 affected plants
- ◆ Priority should be DROP
- ◆ BWROG activity has been completed

# **Hamaoka Pipe Rupture**

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- **HPCI/RHR steam supply line rupture – Nov. 7**
- **GE Actions:**
  - **RICSIL # 085 issued Nov. 20**
  - **Monitoring Chubu root cause assessment**
    - **Hydrogen combustion most likely cause**
  - **Survey of US plants with Steam Condensing Mode (SCM) function**
    - **17 of 20 plants have eliminated SCM**
- **BWROG PIRT telecon – Jan. 3**
- **NRC telecon – Jan. 7**

***SIL Planned When Root Cause Identified***

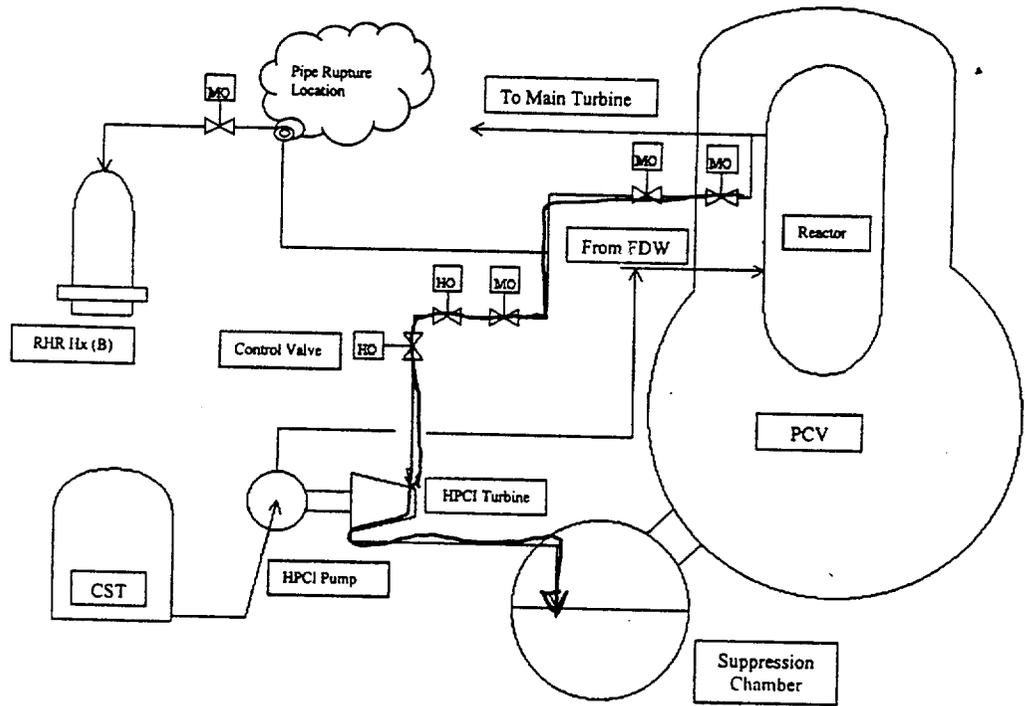


Figure 1

**BWR Owners' Group Licensing Topical Report/ Other Submittals of BWROG Interest  
INTEGRATED BWROG/NEI SUBMITTAL- NRC REVIEW SCHEDULE**

Document Number	Title	LTR (to NRC)	OG Tech Spec Traveller No.	Open RAI Date	Open RAI Response Due Date	NEI TSTF Number	TSTF TO NRC	NRC APPROVAL TOPICAL/TSTF	CLIP	CLIP ISSUE DATE	COMMENTS
B21-00658-01	Excess Flow Check Valve Testing Relaxation	BWROG-XXXXX 11/98	BWROG-63			TSTF-334	6/3/99 A	3/14/00 (Topical) A 9/18/00 (TSTF) A	NO		COMPLETE
NEDO-32291-A (1995) SUPP.1	System Analysis for the Elimination of Selected Response Time Testing Requirements		BWROG-15			TSTF-332	4/30/99 A	6/11/99 (Topical) A 9/25/00 (TSTF) A	NO		COMPLETE
NEDC-32975P	Regulatory Relaxation for BWR Loose Parts Monitoring Systems	BWROG-00075 7/31/00 A	NA			NA	NONE	1/25/01 (Topical) A	NO		COMPLETE
NEDO-32991-A	Regulatory Relaxation for BWR Post Accident Sampling Stations (PASS)	BWROG-00089 11/30/00 A	BWROG-86			TSTF-413	6/29/01 A	6/12/01 (Topical) A 12/27/01(TSTF) A	YES	12/27/01A	
NEDO-33003	Regulatory Relaxation for the H2/O2 Monitors and Combustible Gas Control System	BWROG-01036 6/22/01 A	BWROG-	1Q02E		TSTF-		6/02(Topical)E	YES		
NEDC-31951P	Implementation of IWC and Technical Basis for Revised Piping Inspection Schedules	BWROG-98037 4/8/98 A				NA	NONE	11/08/01 (letter) A	NO		Complete
	Joint Owners' Group MOV Response to GL 96-05 (Final Report)	12/31/03 E	NA					6/04(TOPICAL)E	NO		
	Containment Atmospheric Control Valves	2002E							YES		
RITS-1	Risk Informed Tech spec (RITS) -1 Modified End States	E-mail to NEI and NEI ltr to NRC, 1/5/01: NEDC 32988, R2	CEOG-152, BWROG-87	7/31/01 A	10/02 A	TSTF-422 and 423	1/31/02E	2/02 (SER) E 2Q02 (TSTF) E	YES	2Q02E	BWROG and CEOG TSTFs bundled
RITS-2	Missed Surveillances	Developed by NEI RITSTF and submitted	CEOG-140, R3	NA	NA	TSTF-358	9/14/00, R5	6/01 (TSTF)A	YES	9/28/01 A	90% of plants have or will apply for it.
RITS-3	Flexible Mode Restraints	OG00-0443-236, GE-NE A13-00464-002, 12/00, R2	CEOG-141, R3	8/14/01A	10/31/01E	TSTF-359	1/30/02 E	1Q02 (SER) E 2Q02 (TSTF) E	YES	2Q02 E	RAI received is draft
RITS-4a	CIV AOT Extension	BWROG-?? for the report 10/31/01 E; BWROG-?? for TSTF 12/31/01E	CEOG-160; BWROG-??			CEOG-	1/31/02 E	1Q02 (SER) E 2Q02 (TSTF) E	YES	3Q02 E	BWROG submittal
RITS-4b	Risk Informed AOTs with Backstop	NEI position paper 10/12/01 A		Comments on position paper, 1/15/02 E			7/2002 E	12/02 (TSTF) E	YES	1Q03 E	
RITS-5	Transfer SRs/Optimize STIs	NEI position paper 6/01 A	BWROG-88	Comments 9/21/01 A	1/31/02 E	TSTF-425	7/2002 E	12/02 (TSTF) E	YES	1Q03 E	BWROG lead
RITS-6	Modify LCO 3.0.3 to 24 Hours	2002 E	CEOG-373		CEOG response by 01/31/02		9/2002 E	4Q02 E	YES	1Q03 E	Based on CEOG work, may consider 6a approach using (A)(4) to have a floating LCO 3.0.3 action statement
RITS-7	Define Not Operable/Functional	NEI position paper 6/01 A	NA				3/30/02 E		YES		NEI lead
RITS-8	Eliminate TS-Not Meet Criteria	2002E							YES		Other owners' groups not involved
NEDC-33036	Option 2 Pilot Program for Quad Cities	OG 01-0241-244 7/27/01 A							NO		Draft report transmitted for information
	Option 3, Elimination of LOOP Requirements with LB LOCA	12/01 E									Potential petition for rule making
	Pipe Break Inside Containment for SEP III Plants (GSI 156.6.1)	11/15/01A							NO		Position paper to document design conservatism
NEDC-XXXXX	Revised Detect and Suppress Methodology	3Q02E	N/A			N/A	N/A	4Q02 (Topical) E	NO		
<b>SUBMITTALS OF BWROG INTEREST ONLY</b>											

A=Actual Date  
E=Expected or target date  
NA=Not Applicable  
Updated 1/8/2002

BWR Owners' Group Licensing Topical Report/ Other Submittals of BWROG Interest										
INTEGRATED BWROG/NEI SUBMITTAL- NRC REVIEW SCHEDULE										
NEDC-32983P	GE Methodology for RPV Fast Neutron Flux Evaluation	MFN 00-035 9/01/00A	NA			NA	NONE	9/14/01(Topical)A	NO	
NEI 99-03	Control Room Habitability	6/01 A	NA				NONE		NO	
NEI 00-01	Guidance for Circuit Failure Analysis	1Q02E					NONE	4Q02(Topical) E	NO	
NEI-xxxx	Template for PRA Update Information	10/01 E							NO	Plant Specific PRA Updates due 10/02 E

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 E=Expected or target date  
 NA=Not Applicable  
 Updated 1/8/2002