

# **Brunswick Steam Electric Plant MSIV Leakage Rate License Amendment Request**

October 5, 2005



**Progress Energy**

## **Agenda**

- Introductions
- Background
- Schedule
- Open Forum
- Concluding Remarks

 **Progress Energy**

## Introduction

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- Mark Grantham      Superintendent Design Engineering
- Lenny Beller      Supervisor Licensing/Regulatory Programs
- Mark Turkal      Lead Engineer Licensing



## Background

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- BSEP Full-Scope AST issued May 30, 2002
  - › Supported EPU
  - › Limited "Add-ons" to facilitate review
  - › Approved Seismic Ruggedness of Alternative Treatment Path
- Revised MSIV leakage limit amendment request submitted August 11, 2005
  - › Existing limit
    - ◆ Verify leakage rate through each MSIV is  $\leq 11.5$  scfh when tested at  $\geq 25$  psig
  - › Proposed limit
    - ◆ Verify leakage rate through each main steam line is  $\leq 100$  scfh and the combined leakage rate of all four main steam lines is  $\leq 150$  scfh when tested at  $\geq 25$  psig



## **Radiological Impact**

	Control Room	TSC	EAB	LPZ	Mission
Current Dose (Rem)	3.62	1.15	0.64	1.36	4.45
Revised Dose (Rem)	4.39	1.69	2.37	4.08	4.94
Regulatory Limit (Rem)	5.00	5.00	25.00	25.00	5.00



## **Changes Requiring Modifications**

- Proposed change to TS 3.3.7.1 to incorporate automatic initiation of CREV
  - Initiates on
    - ◆ Reactor Vessel Water Level – Low Level 2
    - ◆ Drywell Pressure - High
  - Control room isolation within 2 minutes, prior to source term release from secondary containment
- CREV filter shielding



## **Schedule**

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- Requested issuance – February 1, 2006
  - ALARA
  - Unit 2 outage begins March 4, 2006
  - Allows time for incorporation prior to outage
  - Desired to support outage activities
- Modifications supporting requested change to be performed on-line

