

Brunswick Steam Electric Plant MSIV Leakage Rate License Amendment Request

October 5, 2005



Agenda

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



Introduction

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



Background

- 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 ≤ 11.5 scfh when tested at ≥ 25 psig
 - › Proposed limit
 - ◆ Verify leakage rate through each main steam line is ≤ 100 scfh and the combined leakage rate of all four main steam lines is ≤ 150 scfh when tested at ≥ 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

- 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

