

[REDACTED]

June 21, 2004

MEMORANDUM TO: Gary Janosko, Chief
Fuel Cycle Facilities Branch
Division of Fuel Cycle Safety
and Safeguards/NMSS

THRU: John Lubinski, Chief /RA/
Fuel Manufacturing Section
Fuel Cycle Facilities Branch
Division of Fuel Cycle Safety
and Safeguards/NMSS

FROM: William Gleaves, Project Manager /RA/
Fuel Manufacturing Section
Fuel Cycle Facilities Branch
Division of Fuel Cycle Safety
and Safeguards/NMSS

SUBJECT: MEETING SUMMARY - INTEGRATED SAFETY ASSESSMENT
SUMMARY TEAM VISIT OF THE BWX TECHNOLOGY FACILITY IN
LYNCHBURG, VIRGINIA, JUNE 2 THROUGH JUNE 4, 2004.

On June 2-4, 2004, the Nuclear Regulatory Commission (NRC) visited the BWX Technologies, Inc. (BWXT) facility in Lynchburg, VA as part of the NRC review of the BWXT Site-Wide Integrated Safety Analysis (ISA) Summary. The NRC Review Team consisted of staff from both the Division of Fuel Cycle Safety and Safeguards' Fuel Manufacturing Section and the Technical Support Group. This team review involved tours of the facility in the areas of particular interest to the staff, discussing the ISA Summary in detail with BWXT staff, and reviewing information supporting the ISA Summary, including individual accident sequences that identified Items Relied on for Safety (IROFS), Probabilistic Hazard Assessments, and programs such as Fire Safety.

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

The facility tours included the [REDACTED]. The tours coincided with the specific Safety Analysis Reports (SAR) that were identified as the primary review areas for this targeted review. Following the tours, the staff met with BWXT staff to discuss the ISA process. During this discussion, BWXT staff described the process used to complete the ISA and ISA Summary, familiarized the staff with the details and information supporting the specific SAR sections that were the subject of this team review, and clarified BWXT's methodology. The NRC review team discussed at length the details of the individual SARs and supporting documentation, and requested clarifications from BWXT staff. The meeting agenda is given in Attachment 1. A list of BWXT staff contacted is given in Attachment 2.

No conclusions regarding the regulatory acceptability of the ISA Summary were made at the meeting. The NRC Review Team concluded that the ISA Summary was difficult to follow because IROFS, given in the ISA Summary, were not directly linked to specific accident sequences that were located in supporting documentation. Open issues from the NRC Review Team will be addressed in a future NRC Request for Additional Information.

Docket No. 70-27
License No. SNM-42

Attachment: 1. Agenda
2. List of Persons Contacted

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Attachment: 1. Agenda
2. List of Persons Contacted

DISTRIBUTION:

FCSS r/f	NMSS r/f	A.Gooden, RII	G.Wertz, RII
D.Stout	W.Smith	P.Silva	F.Burrows
S.Steele	H.Felsher	M.Galloway	E.Thompson

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OFC	FCLB		FCLB		FCLB	
NAME	W. Gleaves		J. Muszkiewicz		J. Lubinski	
DATE	6/18/04		6/18/04		6/21/04	

OFFICIAL RECORD COPY

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AGENDA

BWX Technologies Team Visit June 2-4, 2004 Integrated Safety Assessment Vertical Slice

Tuesday, June 1, 2004

- 3:30 P.M..... Sharon Steele, Frederick Burrows, and Elizabeth Thompson arrive at BWXT site for badging and site specific video

Wednesday, June 2, 2004

- Morning..... Tour of [REDACTED] ([REDACTED]) to support ISA Summary team review of identified Safety Analysis Reports (SARs).
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- 12:00 P.M... Don Stout and Harry Felsher due to arrive on site.
-
- 1:00 P.M..... Overview and Background
 - Introduction to SAR 15.1 - 15.3
 - Discussion of "Bounds of IROFS"
 - Discussion of General Accident Sequences
 - Discussion of Double Contingency and Highly Unlikely
- 3:00 P.M..... NRC review time (as needed)

Thursday, June 3, 2004

- 8-10 A.M..... Individual NRC "breakout" sessions with BWXT staff
 - SAR Section 15.10 ([REDACTED]) w/D. Stout
 - SAR Section 15.40 ([REDACTED]) w/E. Thompson
 - [REDACTED] System Q's w/F. Burrows

Friday, June 4, 2004

- Morning..... Complete SAR review of identified processes
- 11:30 A.M.... Meet with licensee and Resident Inspector to close on-site review
- 12:00 P.M..... Team to leave site.

Attachment 1

[REDACTED]

[REDACTED]

LIST OF PERSONS CONTACTED AT BWXT

<u>NAME</u>	<u>SUPPORT PROVIDED</u>
Leah Morrell	[REDACTED] Tours and ISA Summary discussion
Dave Spangler.....	[REDACTED] Tours and ISA Summary discussion
Joel Huff.....	[REDACTED] Tour
Shan Peters.....	[REDACTED] Tour
Brian Kidd.....	[REDACTED] Tour and ISA Summary discussion
Mark Mitchell.....	[REDACTED] Tour
Al Kondelka.....	[REDACTED] Tour
Dennis Doss.....	[REDACTED] Tour
Les Duncan.....	[REDACTED] Tours and ISA Summary discussion
Ray Vinton.....	ISA Summary discussion
Steve Schilthelm.....	[REDACTED] Tours and ISA Summary discussion