

September 14, 2000

MEMORANDUM TO: Donald C. Cook Nuclear Plant Manual Chapter 0350 Panel
FROM: John A. Grobe, Director, DRS
SUBJECT: MINUTES OF INTERNAL MEETING OF THE DONALD C. COOK
NUCLEAR PLANT MANUAL CHAPTER 0350 PANEL

The Donald C. Cook Nuclear Plant Manual Chapter 0350 Panel charter was announced on April 17, 1998, and most recently revised on August 4, 2000. These internal meetings are used to discuss significant technical and performance issues, NRC regulatory approach, and inspection resources and priorities. Attached for your information are the minutes from the internal meeting of the Inspection Manual Chapter 0350 Restart Panel held on September 5, 2000.

Docket Nos. 50-315; 50-316

Attachments: As stated

cc w/att: T. Bergman, NRR
S. Singh Bajwa, NRR
C. Craig, NRR
J. Stang, NRR
J. Thompson, NRR
J. Grobe, RIII
G. Grant, RIII
A. Vogel, RIII
M. Holmberg, RIII
B. Bartlett, RIII
S. Orth, RIII
D. Passehl, RIII
K. Coyne, RIII
J. Maynen, RIII
Docket Files

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OFFICE	RIII:DRP	E	HQ:NRR	E	RIII:DRP		RIII:DRS	
NAME	AVegel/kjc		CCraig		GGrant		JGrobe	
DATE	09/08/00		09/08/00		09/13/00		09/14/00	

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MEETING MINUTES: Internal MC 0350 Restart Panel Meeting
on the D. C. Cook Nuclear Plant

DATE: September 5, 2000

TIME: 11:30 a.m. (Central)

ATTENDEES:

B. Bartlett
K. Coyne
C. Craig
G. Grant
J. Grobe
M. Holmberg

J. Lamb
J. Maynen
S. Orth
D. Passehl
J. Stang
J. Thompson
A. Vogel

Discussion Topics:

1. *Plant Status and Inspector Insights*

Unit 1

The licensee is making progress toward restart of the Unit. The licensee was in process of loading the ice condenser and working on Train "B" electrical equipment per their outage schedule. The resident inspectors reported no significant concerns with Unit 1 activities.

Unit 2

The Unit is at full power. The resident inspectors reported no significant concerns with Unit 2 activities.

Other

Mr. Coyne briefed the Panel on some recent maintenance rule issues identified by both the licensee and the resident inspectors. Maintenance rule issues will be documented in NRC Inspection Reports 50-315/316/2000019 and /2000020. In addition, Mr. Orth briefed the Panel on three "green" findings identified during a recent radiological controls inspection. Mr. Orth's findings will be documented in NRC Inspection Report 50-315/316/2000018.

2. *Discuss Restart Action Matrix Criteria*

The Panel discussed the criteria for placing issues on the Unit 1 Restart Action Matrix. The Panel recommended changes and approved the final version of the document, entitled "Process and Criteria for Placing Items on the D.C. Cook Unit 1 Restart Action Matrix." The document is included as Enclosure 1.

3. *Discuss Restart Action Matrix*

The Panel discussed the Unit 1 Restart Action Matrix and approved the initial version. The Unit 1 Restart Action Matrix is included as Enclosure 2.

4. *Discussion of Licensing Plan - Discuss Licensing Issues That Need to Be Reviewed and Preliminary Scope and Schedule of Reviews*

The Panel decided to schedule a future meeting to discuss the details of licensing issues and additional issues that relate to Generic Letter 91-18 (Resolution of Degraded and Nonconforming Conditions).

5. *Discuss Inspection Planning Changes Due to Potential for Licensee Startup Schedule Changes*

Mr. Vogel discussed the licensee's Unit 1 restart schedule and potential conflicts with NRC inspections.

6. *Discuss Status of Meeting Minutes*

Mr. Passehl reported no timeliness concerns with issuance of outstanding meeting minutes.

7. *Discuss/Update Milestones and Commitments*

The Panel discussed important upcoming meetings and deadlines.

Process and Criteria for Placing Items on the D.C. Cook Unit 1 Restart Action Matrix

Consistent with the guidance in NRC Inspection Manual Chapter (IMC) 0350, "Staff Guidelines for Oversight of Operating Reactor Facilities in an Extended Shutdown as a Result of Significant Performance Problems," the Restart Panel for D. C. Cook will determine which issues need to be evaluated by the NRC staff prior to restart. A Unit 1 Restart Action Matrix (RAM) will be developed to facilitate the tracking of restart issues. The RAM will list the specific issues that need to be addressed by the licensee and the NRC prior to restart of Unit 1. The Panel will consider all of the following items while developing the initial RAM and any future revisions:

- 10 CFR 50.72 Reports
- Allegations
- Inspection Findings
- Licensee Event Reports
- New Licensing Basis Issues
- Third Party Issues (e.g., Union of Concerned Scientists)

The initial Unit 1 RAM will include a verification of the licensee's corrective actions for appropriate high priority items from the Unit 2 RAM that are also applicable to Unit 1. Examples include the ice condenser, HELB, and containment structural issues.

10 CFR 50.72 Reports, Inspection Findings, and Licensee Event Reports

1. The Resident Inspectors, or a cognizant DRS inspector for DRS issues, will identify any new 10 CFR 50.72 Reports, Inspection Findings, and Licensee Event Reports received since the previous IMC 0350 Panel meeting.
2. The Resident Inspectors or a DRS representative will make a *significance determination* (characterize the significance using the Significance Determination Process outcome color scheme) to identify the level of significance.
3. The Resident Inspectors or a DRS representative will discuss the results of the significance determination during the next scheduled IMC 0350 Panel meeting. The items discussed and their outcome color will be documented in the meeting minutes.
4. All 10 CFR 50.72 Reports, Inspection Findings, and Licensee Event Reports that the Panel determines have potential safety/risk consequences, may impact plant restart, or have regulatory significance, will be added to the Unit 1 RAM.

Enclosure 1

Licensing Basis Issues

1. NRR or regional inspection staff will identify any new unreviewed safety questions or other licensing action requests received since the previous IMC 0350 Panel meeting.
2. NRR or regional inspection staff will present any new unreviewed safety questions or other licensing action requests during the next scheduled IMC 0350 Panel meeting. These items and any currently open unreviewed safety questions will be discussed and documented in the meeting minutes.
3. The Panel will determine whether other licensing actions have potential safety/risk consequences or may impact plant restart.
4. Unreviewed safety questions and licensing actions that the Panel determines have potential safety/risk consequences, may impact plant restart, or have regulatory significance, will be added to the Unit 1 RAM.

Allegations

1. The IMC 0350 Panel members will identify any new allegations received since the previous IMC 0350 Panel meeting.
2. The IMC 0350 Panel members will present new allegations during the next scheduled IMC 0350 Panel meeting.
3. The Panel will determine whether the allegations have potential safety/risk consequences or may impact plant restart.
4. Allegations that the Panel determines have potential safety/risk consequences, may impact plant restart, or have regulatory significance, will be added to the Unit 1 RAM. (Extra scrutiny will be provided to ensure that privacy and/or pre-decisional information is controlled and not compromised.)

Third Party Issues

1. The IMC 0350 Panel members will identify any new third party issues since the previous IMC 0350 Panel meeting.
2. The IMC 0350 Panel members will present third party issues during the next scheduled IMC 0350 Panel meeting.
3. Third party issues that the Panel determines have potential safety/risk consequences, may impact plant restart, or have regulatory significance, will be added to the Unit 1 RAM.

Enclosure 2

D. C. Cook Restart Action Matrix
Unit 1

September 5, 2000

Item No.	Description	NRC Lead	Inspection Procedure	References	Status
Inspection Report References					
Notes: NRR NRC Office of Nuclear Reactor Regulation RRATI Restart Readiness Assessment Team Inspection SRI Senior Resident Inspector					
Restart Issues					
1. Ice Condenser Operability					
1.1	Unit 1 ice condenser restoration - Observe ice condenser ice load & surveillance testing	SRI	IP 71111.22 (Surveillance Testing)	LER 315/2000-001-00, Stress Loads for the Ice Condenser Basket Assembly Greater Than Allowed by Safety Analysis Report IR 99026	Open
2. Containment Operability					
2.1	Evaluate modifications to the Unit 1 recirculation sump to address previous deficiencies with inadequate inventory, dead ended compartments and sump venting.	Biennial Permanent Mods & Annual 50.59 Insp	71111.17 (Permanent Plant Modifications)	IR 99029	Open
2.2	Confirm removal of fibrous material in the Unit 1 Containment that could clog the recirculation sump.	SRI	71111.20 (Refueling and Outage Activities)	IR 2000016	Open
2.3	Evaluate Licensee Corrective Actions for Containment Internal Structural Walls	SRI NRR	71111.20 (Refueling and Outage Activities)	LER 316/2000-003-00, Containment Internal Concrete Structures Do Not Meet Design Load Margins 0350 Mtg. Minutes dtd. 06/12/00	Open
3. Valve Operability					
3.1	Evaluate modifications completed to resolve operability of the Unit 1 MOVs	Biennial Permanent Mods & Annual 50.59 Insp	71111.17 (Permanent Plant Modifications)	LER 315/1999-031-00, Interim - Valves Required to Operate Post-Accident Could Fail to Open Due to Pressure Locking/Thermal Binding IR 2000002	Open

Enclosure 2

Item No.	Description	NRC Lead	Inspection Procedure	References	Status
3.2	Evaluate Modifications Completed to Address Unit 1 Compressed Air System Operability	Biennial Permanent Mods & Annual 50.59 Insp	71111.17 (Permanent Plant Modifications)	IR 99029	Open
4.. Auxiliary Feedwater Operability					
4.1	Evaluate modifications completed to resolve operability of the AFW system, associated with postulated high energy line breaks.	Biennial Permanent Mods & Annual 50.59 Insp)	71111.17 (Permanent Plant Modifications)	LER 316/1998-007-00, Interim LER - High Energy Line Break Effects On Auxiliary Feedwater System IR 2000007	Open
5. Electrical System Operability					
5.1	Evaluate modifications completed to resolve the Unit 1 electrical system fuse and breaker coordination.	Biennial Permanent Mods & Annual 50.59 Insp	71111.17 (Permanent Plant Modifications)	IR 2000007	Open
6. Emergency Core Cooling System Operability					
6.1	Evaluate setpoint changes for the Unit 1 RWST Level to account for measurement error and instrument uncertainties	Biennial Permanent Mods & Annual 50.59 Insp	71111.17 (Permanent Plant Modifications)	IR 2000007	Open
7. Licensing Basis Control Program					
7.1	Evaluate licensing basis program controls for safety reviews in accordance with 10 CFR 50.59.	Biennial Permanent Mods & Annual 50.59 Insp	71111.02 (Evaluation of Changes, Tests, or Experiments)	IR 99023	Open
8. Licensing Issues, Amendments, Unreviewed Safety Questions					
8.1	Reconstitution of Assumptions and Methodology for Transient Mass Distribution (TMD) Sub-compartment Analysis and Containment Sub-compartment Structural Issues	NRR			Open
8.2	Tornado Missile Licensing Bases Change - Use of approved PRA Techniques	NRR		TAC no. MA 9176/77	Open
8.3	Pressurizer Heater Surveillance Change TS 4.4.2	NRR			Open
8.4	NRC Review of Leak Before Break Methodology for the Pressurizer Surge Line	NRR			Open
8.5	ILRT TS Change and Exemption	NRR			Open
8.6	QAPD Cad-Weld Commitment	NRR			Open

Enclosure 2

Item No.	Description	NRC Lead	Inspection Procedure	References	Status
Guidelines for Restart Approval					
C.3.3	Operator Issues				
C.3.3.d	Effectiveness of restart simulator/required training necessary to re-familiarize personnel with operating conditions.	SRI	71111.11 (Licensed Operator Requalification)		Open
C.3.3.e	Assessment of plant staff performance during restart. Sustained control room observations by NRC personnel	RRATI	IMC 0350		Open
C.4	Assessment of Physical Readiness of the Plant				
C.4.a	Operability of Technical Specification systems, specifically those with identified operational, design, and maintenance issues.	SRI RRATI	71111.15 (Operability Evaluations)		Open
C.4.b	Operability of required secondary and support systems.	SRI RRATI	IMC 0350		Open
C.4.c	Results of pre-startup testing.	SRI	IMC 0350		Open
C.4.d	Adequacy of system lineups.	SRI	IMC 0350		Open
C.4.e	Adequacy of surveillance tests/test program.	SRI	71111.22 (Surveillance Testing)	LER 50-315/99003-00, Control Room pressurization Surveillance Test Does Not Test System In Normal Operating Condition	Open
C.4.f	Significant hardware issues resolved (i.e., equipment with poor material condition, equipment aging, modifications).	SRI Biennial Permanent Mods & Annual 50.59 Insp	71111.17 (Permanent Plant Modifications)	LER 50-315/99011-01, Air System for Emergency Diesel Generators May Not Support Long Term Operability Due to Original Design Error	Open
C.4.g	Adequacy of the power ascension testing program.	SRI	IMC 0350		Open
C.4.h	Effectiveness of the plant maintenance program.	SRI	71111.12 (Maintenance Rule Implementation)		Open
C.4.i	Maintenance backlog managed and impact on operation assessed.	SRI SRA	IMC 0350		Open
C.4.j	Adequacy of plant housekeeping and equipment storage.	SRI	IMC 0350		Open

Enclosure 2

Item No.	Description	NRC Lead	Inspection Procedure	References	Status
C.5	Assessment of Compliance with Regulatory Requirements				
C.5.a	Applicable licensee amendments have been issued.	NRR	IMC 0350		Open
C.5.b	Applicable exemptions have been granted.	NRR	IMC 0350		Open
C.5.c	Applicable reliefs have been granted.	NRR	IMC 0350		Open
C.5.d	Imposed orders have been modified or rescinded.	IMC 0350 Panel	IMC 0350		Open
C.5.e	Confirmatory Action Letter conditions have been satisfied.	IMC 0350 Panel	IMC 0350		Open
C.5.f	Significant enforcement issues have been resolved.	IMC 0350 Panel	IMC 0350		Open
C.5.g	Allegations have been appropriately addressed.	IMC 0350 Panel	IMC 0350		Open
C.5.h	10 CFR 2.206 Petitions have been appropriately addressed.	NRR	IMC 0350		Open
C.6	Coordination with Interested Agencies and Parties				
C.6.e	Appropriate state and local officials. -FEMA -Congressional Affairs -Inform Stakeholders	RIII State Liaison Officer IMC 0350 Panel	IMC 0350		Open
C.6.f	Appropriate public interest groups.	Public Affairs	IMC 0350		Open
C.6.g	Local news media.	Public Affairs	IMC 0350		Open