

October 12, 2000

MEMORANDUM TO: Donald C. Cook Nuclear Plant Manual Chapter 0350 Panel

FROM: Geoffrey E. Grant, Director, DRP */RA/*

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 October 2, 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 October 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
D. Passehl, RIII
K. Coyne, RIII
J. Maynen, RIII
Docket Files

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OFFICE	RIII:DRP	HQ:NRR	RIII:DRP
NAME	AVogel/trn	SBajwa	GGrant
DATE	10/12/00	10/12/00	10/12/00

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

DATE: October 5, 2000

TIME: 11:00 a.m. (Central)

ATTENDEES:

S. Bajwa
B. Bartlett
K. Coyne
C. Craig
G. Grant
A. Dunlop

M. Holmberg
J. Lamb
J. Maynen
J. Stang
A. Vogel
K. Walton

Discussion Topics:

1. *Plant Status and inspector Insights:*

The Senior Resident Inspector provided a summary of plant activities. Unit 2 continues to operate at full power with no significant equipment problems. Unit 1 restart activities are continuing on schedule. The licensee has completed 5 of 78 system turnovers, and efforts are in progress to focus resources on completing the remaining turnovers on schedule.

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

The Panel held extensive discussion on licensing issues, including those that may need to be reviewed prior to the restart of Unit 1. The Panel discussed the following issues and determined that they do not need to be added to the Unit 1 Restart Action Matrix (RAM) because these issues were reviewed prior to Unit 2 restart and the review encompassed the actions being taken on Unit 1.

- USQ on Reactor Coolant Pump Seal Leak-Off Two Phase Flow - FSAR submittal.
- Post-LOCA Control Room Dose and Habitability Related Tech Specs.

3. *Discussion of the Status and Planned Corrective Actions Regarding Unit 1 Containment Structural Issues*

The Panel held extensive discussions regarding the status of the Unit 1 containment structural issues, including the results of a recent licensee finite element analysis conducted on the containment end walls. NRC plans to audit the licensee's operability evaluations and design and licensing basis calculations. NRR staff stated that an inspection plan will be developed to detail the specific scope of the NRR technical staffs'

review. The inspection plan will be presented at some future Manual Chapter 0350 Restart Panel meeting.

4. *Discuss/Update Milestones and Commitments*

The Panel discussed important upcoming meetings and deadlines.

5. *Other*

The Unit 1 Restart Action Matrix is included as Enclosure 1.

Enclosure 1

D. C. Cook Restart Action Matrix
Unit 1

September 27, 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 1

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 1

Item No.	Description	NRC Lead	Inspection Procedure	References	Status
8.7	USQ on Methodology Changes (modeling of operator actions and use of actual tube flows) to Tube Rupture Analysis. (SG Overfill).	NRR			Open
8.8	USQ on HELB - Licensing Basis Change Request for 10D on Plume and SRP, MEB 3-1 exclusion areas. Tac no. MA 8893/94	NRR			Open
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

Enclosure 1

Item No.	Description	NRC Lead	Inspection Procedure	References	Status
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
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