

October 27, 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 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 October 18, 2000. In addition, attached is the revised Manual Chapter 0350 Charter, dated October 4, 2000.

Docket Nos. 50-315; 50-316

Attachments: As stated

cc w/atts: 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
R. Walton, RIII
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OFFICE	RIII:DRP	HQ:NRR	RIII:DRP	
NAME	AVegel/kjc	SBajwa	GGrant	
DATE	10/26/00	10/26/00	10/26/00	

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

DATE: October 18, 2000

TIME: 10:00 a.m. (Central)

ATTENDEES:

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

M. Holmberg
J. Maynen
D. Passehl
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. The second Train "A" electrical outage was completed on schedule on October 12, 2000. Open vessel testing is in progress. Essential Service Water System and Component Cooling Water System flow balancing preparations are continuing. Loading, cleaning and weighing of ice condenser baskets is in progress. System turnovers continue to have some schedule slippage and efforts are being made to ensure that these do not impact the overall outage schedule. The Senior Resident Inspector provided some insights concerning attention to detail regarding temporary modifications and calculations.

2. *Discuss Status of Each Item on the Restart Action Matrix (RAM)*

The Panel discussed each item on the RAM, re-emphasizing responsibilities and estimated completion dates. The Panel approved minor changes in format to the RAM, including addition of a column delineating the estimated completion dates. The Panel also held extensive discussion on NRC review of the licensee's corrective actions for the Unit 1 containment structures.

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

The Panel discussed licensing issues as part of agenda item 2 above.

4. *Discuss Open Allegations*

The Panel briefly discussed the status of allegations that could impact restart of Unit 1. Allegations will be discussed during future meetings.

5. *Discuss Inspection Plan for Biennial Review of Permanent Plant Modifications and the Annual Review of Changes, Tests, or Experiments*

The Panel approved the inspection plan with no substantive changes.

6. *Discuss/Update Milestones and Commitments.*

The Panel discussed important upcoming meetings and deadlines.

7. *Other.*

Enclosure 1 provides the communication plan by which NRC will communicate issues and items of interest to the public and stakeholders.

Enclosure 2 provides the latest charter for the Panel.

Enclosure 3 provides the latest Restart Action Matrix.

Communications Plan DC Cook Unit 1 Restart

PURPOSE: Communications strategy, sequence, and responsibilities for the internal and external dissemination of information related to the restart of D.C. Cook Unit 1. [Reference: NRC Inspection Manual Chapter (MC) 0350]

STRATEGY: The Manual Chapter 0350 Panel will coordinate and facilitate the internal and external communication of the status of NRC actions related to assessing the restart readiness of D.C. Cook Unit 1. This will be accomplished through routine and special inspection exit meetings and reports, weekly licensing meetings between the NRR staff and the licensee, and frequent internal MC 0350 meetings and periodic public meetings with licensee management. Currently, we anticipate four routine and special inspection reports, six internal MC 0350 meetings, and three public MC 0350 meetings in support of an early December startup of D.C. Cook Unit 1. The public MC 0350 meetings have been scheduled to occur concurrent with significant plant restart milestones. For example, upon the completion of the restart readiness assessment team inspection, a public meeting will be held to communicate inspection findings. Following the public meeting, a media availability will be held to allow local news organizations and members of the public to ask questions regarding plant restart. The restart readiness assessment team inspection is expected to be the final significant NRC activity prior to restart.

DETAILS: The following lists the actions and responsibilities for implementing this communication plan.

- A. Restart Readiness Inspection and Assessment
1. Routine and Special Inspection Assessments
Communication Methods:
 - Inspection Reports/Exit Meetings
 - Public MC 0350 Meetings/MinutesResponsibility:
 - SRI and Team Leaders
 2. Licensing Issues
Communication Methods:
 - Public MC 0350 Meetings/Minutes
 - Internal MC 0350 Meetings/Minutes
 - Licensing Issues MeetingsResponsibility:
 - NRR Project Manager
 3. MC 0350 Panel Assessments
Communication Methods:
 - Public MC 0350 Meetings/Minutes
 - Internal MC 0350 Meetings/MinutesResponsibility:
 - MC 0350 Chairman

4. External Stakeholder Issues
 - Communication Methods:
 - Public MC 0350 Meetings/Minutes
 - Responsibility:
 - MC 0350 Chairman

- B. Restart Readiness Determination
 1. Verify Restart Items Adequately Addressed
 - Communication Methods:
 - Inspection Reports/Exit Meetings
 - Internal MC 0350 Meetings/Minutes
 - Memorandum from MC 0350 Chairman to Regional Administrator
 - Responsibility:
 - MC 0350 Chairman

- C. Communicate Restart Readiness Assessment Results to Licensee and Stakeholders
 1. Notify Advisory Committee on Reactor Safeguards and Office of Congressional Affairs
 - Communication Method:
 - Telephone Notification
 - Responsibility:
 - NRR Project Manager

 2. Notify Federal Emergency Management Agency
 - Communication Method:
 - Telephone Notification
 - Responsibility:
 - NRR Project Manager and RIII State Liaison Officer

 3. Present Restart Readiness Assessment Results to Licensee and Public
 - Communication Method:
 - MC 0350 Public Meeting/Minutes
 - Memorandum from Regional Administrator to Licensee
 - Regional Administrator and MC 0350 Chairman Media Availability
 - News Release
 - Responsibility:
 - MC 0350 Chairman and Regional Administrator
 - RIII Public Affairs Staff

 4. Notify State and Local Officials
 - Communication Method:
 - Telephone Notification
 - MC 0350 Public Meeting/Minutes
 - Responsibility:
 - RIII State Liaison Officer

Enclosure 3

D. C. Cook Restart Action Matrix
Unit 1

October 18, 2000

Item No.	Description	NRC Lead	Inspection Procedure	References	Documentation	ECD	Status
Inspection Report References							
<p>Notes:</p> <p>ECD Estimated Completion Date (Present to IMC 0350 Panel) NRR NRC Office of Nuclear Reactor Regulation RRATI Restart Readiness Assessment Team Inspection SRI Senior Resident Inspector UCS Union of Concerned Scientists</p> <p>IR 2000021 - Biennial Permanent Mods & Annual 50.59 Insp 11/06/00 to 11/17/00 IR 2000022 - Resident Inspector Report 10/11/00 to 11/11/00 IR 2000023 - Unit 1 Restart Readiness Assessment Team Inspection 11/27/00 to 12/01/00</p>							
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	IR 2000022 (10/11/00 to 11/11/00)	11/21/00	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	IR 2000021 (11/06/00 to 11/17/00)	11/21/00	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	IR 2000022 (10/11/00 to 11/11/00)	11/21/00	Open

Enclosure 3

Item No.	Description	NRC Lead	Inspection Procedure	References	Documentation	ECD	Status
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	Memo from NRR to IMC 0350 Panel	11/21/00 (SRI) 11/17/00 (NRR)	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	IR 2000021 (11/06/00 to 11/17/00)	11/21/00	Open
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	IR 2000021 (11/06/00 to 11/17/00)	11/21/00	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	IR 2000021 (11/06/00 to 11/17/00)	11/21/00	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	IR 2000021 (11/06/00 to 11/17/00)	11/21/00	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	IR 2000021 (11/06/00 to 11/17/00)	11/21/00	Open

Enclosure 3

Item No.	Description	NRC Lead	Inspection Procedure	References	Documentation	ECD	Status
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	IR 2000021 (11/06/00 to 11/17/00)	11/21/00	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	N/A		License Amendment	11/17/00	Open
8.2	Tornado Missile Licensing Bases Change - Use of approved PRA Techniques	NRR	N/A	TAC no. MA 9176/77	License Amendment	11/17/00	Open
8.3	Pressurizer Heater Surveillance Change TS 4.4.2	NRR	N/A		License Amendment	11/17/00	Open
8.4	NRC Review of Leak Before Break Methodology for the Pressurizer Surge Line	NRR	N/A		License Amendment	11/17/00	Open
8.5	ILRT TS Change and Exemption	NRR	N/A		License Amendment	11/17/00	Open
8.6	QAPD Cad-Weld Commitment	NRR	N/A		License Amendment	10/24/00	Open
8.7	USQ on Methodology Changes (modeling of operator actions and use of actual tube flows) to Tube Rupture Analysis. (SG Overfill).	NRR	N/A		Memo from NRR to IMC 0350 Panel	11/27/00	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	N/A		License Amendment	11/07/00	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)			11/28/00	Open
C.3.3.e	Assessment of plant staff performance during restart. Sustained control room observations by NRC personnel	RRATI	IMC 0350		IR 2000023 (11/27/00 to 12/01/00)	12/01/00	Open

Enclosure 3

Item No.	Description	NRC Lead	Inspection Procedure	References	Documentation	ECD	Status
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)		IR 2000022 (10/11/00 to 11/11/00) IR 2000023 (11/27/00 to 12/01/00)	12/01/00	Open
C.4.b	Operability of required secondary and support systems.	SRI RRATI	IMC 0350		IR 2000023 (11/27/00 to 12/01/00)	12/01/00	Open
C.4.c	Results of pre-startup testing.	SRI	IMC 0350			12/01/00	Open
C.4.d	Adequacy of system lineups.	RRATI SRI	IMC 0350		IR 2000023 (11/27/00 to 12/01/00)	12/01/00	Open
C.4.e	Adequacy of surveillance tests/test program.	SRI	IP 71111.22 (Surveillance Testing)	LER 50-315/99003-00, Control Room pressurization Surveillance Test Does Not Test System In Normal Operating Condition		12/01/00	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	IR 2000022 (10/11/00 to 11/11/00)	11/28/00	Open
C.4.g	Adequacy of the power ascension testing program.	SRI	IMC 0350			11/28/00	Open
C.4.h	Effectiveness of the plant maintenance program.	SRI	71111.12 (Maintenance Rule Implementation)		IR 2000022 (10/11/00 to 11/11/00)	12/01/00	Open
C.4.i	Maintenance backlog managed and impact on operation assessed.	SRI SRA	IMC 0350			11/28/00	Open
C.4.j	Adequacy of plant housekeeping and equipment storage.	SRI	IMC 0350			11/21/00	Open

Enclosure 3

Item No.	Description	NRC Lead	Inspection Procedure	References	Documentation	ECD	Status
C.5	Assessment of Compliance with Regulatory Requirements						
C.5.a	Applicable licensee amendments have been issued.	NRR	IMC 0350		Memo from NRR to IMC 0350 Panel	11/17/00	Open
C.5.b	Applicable exemptions have been granted.	NRR	IMC 0350		Memo from NRR to IMC 0350 Panel	11/17/00	Open
C.5.c	Applicable reliefs have been granted.	NRR	IMC 0350		Memo from NRR to IMC 0350 Panel	11/17/00	Open
C.5.d	Imposed orders have been modified or rescinded.	NRR	IMC 0350		Memo from NRR to IMC 0350 Panel	11/17/00	Open
C.5.e	Confirmatory Action Letter conditions have been satisfied.	Veget	IMC 0350		Memo to IMC 0350 Panel	11/21/00	Open
C.5.f	Significant enforcement issues have been resolved.	Veget	IMC 0350		Memo to IMC 0350 Panel	11/21/00	Open
C.5.g	Allegations have been appropriately addressed.	Veget	IMC 0350		Memo to IMC 0350 Panel	11/21/00	Open
C.5.h	10 CFR 2.206 Petitions have been appropriately addressed.	NRR	IMC 0350		Memo from NRR to IMC 0350 Panel	11/17/00	Open
C.6	Coordination with Interested Agencies and Parties						
C.6.e.1	Appropriate state and local officials -FEMA	RIII State Liaison Officer NRR	IMC 0350		Memo to IMC 0350 Panel		Open
C.6.e.2	Appropriate state and local officials -Congressional Affairs	NRR	IMC 0350		Memo to IMC 0350 Panel		Open
C.6.e.3	Appropriate state and local officials -Inform Stakeholders (UCS)	NRR	IMC 0350		Memo to IMC 0350 Panel		Open
C.6.f	Appropriate public interest groups.	Public Affairs	IMC 0350		N/A		Open
C.6.g	Local news media.	Public Affairs	IMC 0350		N/A		Open