

July 2, 2003

Mr. Lew Myers  
Chief Operating Officer  
FirstEnergy Nuclear Operating Company  
Davis-Besse Nuclear Power Station  
5501 North State Route 2  
Oak Harbor, OH 43449-9760

SUBJECT: DAVIS-BESSE OVERSIGHT PANEL RESTART CHECKLIST, REVISION 3

Dear Mr. Myers:

By our letter dated April 29, 2002, we informed you of our planned actions to provide focused and coordinated regulatory oversight of the Davis-Besse Nuclear Power Station as a result of the reactor pressure vessel head degradation discovered on March 6, 2002. We enhanced NRC monitoring of corrective actions at Davis-Besse, as described in NRC Inspection Manual Chapter (IMC) 0350, "Oversight of Operating Reactor Facilities in a Shutdown Condition with Performance Problems." NRC Region III Manager, John A. Grobe, was assigned as the Chairman of the NRC's Davis-Besse Oversight Panel.

The Oversight Panel for Davis-Besse was implemented to enhance the agency's strategic goals of maintaining safety, enhancing public confidence, increasing efficiency and effectiveness, and minimizing unnecessary regulatory burden by coordinating and focusing agency resources. In accordance with IMC 0350, the Davis-Besse Oversight Panel developed a Restart Checklist, which is a listing of issues requiring resolution before the Oversight Panel could consider a recommendation for facility restart. The Restart Checklist was issued on August 16, 2002. The Restart Checklist was subsequently revised on October 30, 2002, adding issues concerning the containment sump modification and the radiation protection program and January 28, 2003, adding an issue concerning the processes for ensuring completeness and accuracy of required records and submittals to the NRC.

The Davis Besse Oversight Panel has the responsibility to modify the Restart Checklist to address issues of significance that emerge during its ongoing oversight. Accordingly, the Oversight Panel is adding two issues identified as Item 2.e, "High Pressure Injection Pump Internal Clearance Debris Resolution," and 6.g, "Request to Relocate High Pressure Injection and Low Pressure Injection Subsystems Flow Balance Testing from Technical Specifications 4.5.2.h to Updated Safety Analysis Report Technical Requirements Manual," to the attached Restart Checklist. The first issue is being added because a preliminary significance determination of the issues documented in LER 50-346/2003-002 indicates a finding of greater than very low significance resulting in the need for further evaluation to determine the significance. The details of this significance determination will be documented in IR 50-346/2003-015. The second issue is being added, based on your submittal dated May 21, 2003 and your request for approval of this license amendment prior to restart.

This Checklist will continue to be reevaluated and revised, if necessary, by the Davis-Besse Oversight Panel, based on the results of NRC inspections and your continuing implementation of recovery activities.

L. Myers

-2-

IMC 0350 directs the suspension of the Reactor Oversight Process (ROP) with the initiation of the Oversight Panel. The inspection program for Davis-Besse will be directed by the oversight panel utilizing existing inspection procedures to the maximum extent practicable and the Panel will use the significance determination process and action matrix as guidance for determining agency response to identified performance problems. You should continue to monitor and submit appropriate performance indicators consistent with the facility configuration. The NRC's inspections will be focused on resolving the issues contained in the Restart Checklist and scheduled consistent with your completion of work in each area.

If you have questions regarding the NRC actions discussed above, please contact John A. Grobe at 630/829-9637 or Christine A. Lipa at 630/829-9619.

Sincerely,

*/RA/*

J. E. Dyer  
Regional Administrator

Docket No. 50-346  
License No. NPF-3

Enclosure: Restart Checklist, Revision 3

See Attached Distribution

L. Myers

-2-

IMC 0350 directs the suspension of the Reactor Oversight Process (ROP) with the initiation of the Oversight Panel. The inspection program for Davis-Besse will be directed by the oversight panel utilizing existing inspection procedures to the maximum extent practicable and the Panel will use the significance determination process and action matrix as guidance for determining agency response to identified performance problems. You should continue to monitor and submit appropriate performance indicators consistent with the facility configuration. The NRC's inspections will be focused on resolving the issues contained in the Restart Checklist and scheduled consistent with your completion of work in each area.

If you have questions regarding the NRC actions discussed above, please contact John A. Grobe at 630/829-9637 or Christine A. Lipa at 630/829-9619.

Sincerely,

J. E. Dyer  
Regional Administrator

Docket No. 50-346  
License No. NPF-3

Enclosure: Restart Checklist, Revision 3

See Attached Distribution

DOCUMENT NAME: C:\ORPCheckout\FileNET\ML031830495.WPD

To receive a copy of this document, indicate in the box: "C" = Copy without enclosure "E"= Copy with enclosure "N"= No copy

OFFICE	RIII	NRR	RIII	NRR	RIII
NAME	CLipa/klg	WRuland/ <i>per email JGrobe/</i>	JGrobe	<i>/RA Borchardt acting for/SCollins/ per email CLipa/</i>	JDyer
DATE	06/26/03	06/27/03	06/27/03	07/01/03	07/02 /03

**OFFICIAL RECORD COPY**

cc w/encl: The Honorable Dennis Kucinich  
B. Saunders, President - FENOC  
Plant Manager  
Manager - Regulatory Affairs  
M. O'Reilly, FirstEnergy  
Ohio State Liaison Officer  
R. Owen, Ohio Department of Health  
Public Utilities Commission of Ohio  
D. Lochbaum, Union Of Concerned Scientists  
S. Arndt, President, Ottawa County  
Board of Commissioners  
C. Emahiser, Ottawa County Sheriff  
J. P. Greer, Director, Ottawa County Emergency  
Management Agency  
H. Barlos, President, Lucas County  
Board of Commissioners  
J. Telb, Lucas County Sheriff  
B. Halsey, Director, Lucas County Emergency  
Management Agency  
G. Adams, Village Administrator, Genoa  
The Honorable John Weber  
The Honorable Lowell C. Krumnow  
The Honorable Joseph Verkin  
The Honorable Thomas Leaser  
The Honorable Jack Ford  
The Honorable Thomas Brown  
The Honorable Joe Ihnat, Jr.  
INPO

ADAMS Distribution:

AJM

DFT

H. Nieh (HKN), OEDO

Project Director, NRR

Project Mgr., NRR

RidsNrrDipmlipb

JLC1

GEG

HBC

RML2

SRI Davis-Besse

DRPIII

DRSIII

PLB1

JRK1

**U. S. Nuclear Regulatory Commission  
Manual Chapter 0350 Oversight Panel**

**Davis-Besse Restart Checklist, Revision 3**

Item Number/ Cornerstone*	Description
1.	<b>Adequacy of Root Cause Determinations</b>
1.a IE	Penetration Cracking and Reactor Pressure Vessel Corrosion
1.b IE	Organizational, Programmatic and Human Performance Issues
2.	<b>Adequacy of Safety Significant Structures, Systems, and Components</b>
2.a IE	Reactor Pressure Vessel Head Replacement
2.b BI	Containment Vessel Restoration Following Reactor Pressure Vessel Head Replacement
2.c IE, MS, BI	Structures, Systems, and Components Inside Containment
2.c.1 MS, BI	Emergency Core Cooling System and Containment Spray System Sump
2.d IE, MS, BI	Extent-of-Condition of Boric Acid in Systems Outside Containment
2.e MS, BI	High Pressure Injection Pump Internal Clearance/Debris Resolution
3.	<b>Adequacy of Safety Significant Programs</b>
3.a ALL	Corrective Action Program
3.b ALL	Operating Experience Program
3.c ALL	Quality Audits and Self-Assessments of Programs
3.d IE, MS, BI	Boric Acid Corrosion Management Program

3.e IE, MS, BI	Reactor Coolant System Unidentified Leakage Monitoring Program
3.f IE, MS, BI	In-Service Inspection Program
3.g ALL	Modification Control Program
3.h ORS, PRS	Radiation Protection Program
3.i ALL	Process for Ensuring Completeness and Accuracy of Required Records and Submittals to the NRC
4.	<b>Adequacy of Organizational Effectiveness and Human Performance</b>
4.a ALL	Adequacy of Corrective Action Plan
4.b ALL	Effectiveness of Corrective Actions
5.	<b>Readiness for Restart</b>
5.a ALL	Review of Licensee's Restart Action Plan
5.b IE, MS	Systems Readiness for Restart
5.c IE	Operations Readiness for Restart
5.d IE, MS, BI	Test Program Development and Implementation
6.	<b>Licensing Issue Resolution</b>
6.a IE, BI	Verification that Relief Requests A8 and A12 regarding the Shell to Flange Weld (previously submitted by letter dated September 19, 2000) is not Impacted by the Midland RPV Head
6.b IE, BI	American Society of Mechanical Engineers (ASME) Code Relief Request for Failure to Maintain Original Radiographic Tests of the Midland Head to Flange Weld (Planned Relief Request A26)

6.c IE, BI	ASME Code Relief Request for Inability to Radiographically Test 100% of the Midland Reactor Pressure Vessel Head to Flange Weld (Planned Relief Request A27)
6.d IE, BI	Resubmit Relief Request A2 (previously submitted by letter dated September 19, 2000) for ASME Code for Inability to Perform 100% volumetric and surface examination of Head to Flange Weld
6.e IE, BI	Reconciliation Letter that Demonstrates How the New Reactor Pressure Vessel Head Correlates With the ASME Code and QA Index for Section III and Section XI - Commitments
6.f IE, BI	Verification Letter of Technical Specification Pressure/Temperature Curves for New Vessel Head - Commitment
6.g MS, BI	Request to relocate High Pressure Injection and Low Pressure Injection Subsystems Flow Balance Testing from Technical Specifications 4.5.2.h to Updated Safety Analysis Report Technical Requirements Manual
7.	<b>Confirmatory Action Letter Resolution</b>
7.a ALL	Verification that Confirmatory Action Letter Items are Resolved, Including a Public Meeting to Discuss Readiness for Restart

\*Cornerstones:

IE - Initiating Events  
MS - Mitigating Systems  
BI - Barrier Integrity  
EP- Emergency Preparedness  
ORS - Occupational Radiation Safety  
PRS - Public Radiation Safety  
PP - Physical Protection  
ALL - Affects all cornerstones