

July 11, 2003

Mr. Lew W. 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 NUCLEAR POWER STATION
NRC INSPECTION REPORT 50-346/03-14

Dear Mr. Myers:

On June 13, 2003, the NRC completed an inspection at your Davis-Besse Nuclear Power Station. The enclosed report documents the inspection findings, which were discussed on June 13, 2003, with Mr. M. Bezilla and other members of your staff.

The inspection examined activities conducted under your license as they relate to safety and compliance with the Commission's rules and regulations and with the conditions of your license. The inspectors reviewed selected procedures and records, observed activities, and interviewed personnel. Specifically, this inspection focused on emergency preparedness, including your staff's determinations of performance indicators for the Emergency Preparedness Cornerstone.

On the basis of the results of this inspection, no findings of significance were identified.

In accordance with 10 CFR Part 2.790 of the NRC's "Rules of Practice," a copy of this letter and its enclosure will be available electronically for public inspection in the USNRC Public Document Room or from the Publicly Available Records (PARS) component of USNRC's document system (ADAMS). ADAMS is accessible from the NRC Web site at <http://www.nrc.gov/reading-rm/adams.html> (the Public Electronic Reading Room).

Sincerely,

/RA/

John A. Grobe, Chairman
Davis-Besse Oversight Panel

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

Enclosure: Inspection Report 50-346/03-14

See Attached Distribution

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L. Myers

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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
President, Board of County Commissioners
Of Lucas County
Steve Arndt, President, Ottawa County Board of Commissioners
D. Lochbaum, Union Of Concerned Scientists
W. Curtis, FEMA, Region V

L. Myers

-2-

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U.S. NUCLEAR REGULATORY COMMISSION

REGION III

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

Report No: 50-346/03-14(DRS)

Licensee: FirstEnergy Nuclear Operating Company (FENOC)

Facility: Davis-Besse Nuclear Power Station

Location: 5501 North State Route 2
Oak Harbor, OH 43449-9760

Dates: June 9 through June 13, 2003

Inspectors: T. Ploski, Senior Emergency Preparedness Inspector
R. Jickling, Emergency Preparedness Inspector
R. Schmitt, Radiation Protection Inspector
J. Rutkowski, Resident Inspector

Observers: S. Browde, Intern

Approved by: Kenneth Riemer, Chief
Plant Support Branch
Division of Reactor Safety

SUMMARY OF FINDINGS

IR 05000346-03-14(DRS); FirstEnergy Nuclear Operating Company; on 06/09-06/13/2003; Davis-Besse Station. Emergency Preparedness Specialist Report.

The report covers a one-week baseline inspection by two regional emergency preparedness inspectors, a radiation protection inspector, and a resident inspector. The inspection focused on the Emergency Preparedness Cornerstone in the Reactor Safety strategic performance area during the biennial emergency preparedness exercise. This inspection also included a review of records related to the three emergency preparedness performance indicators for the fifteen-month period ending March 31, 2003. No findings of significance were identified.

The NRC's program for overseeing the safe operation of commercial nuclear power reactors is described in NUREG-1649, "Reactor Oversight Process," Revision 3, dated July 2000.

REPORT DETAILS

1. REACTOR SAFETY

Cornerstone: Emergency Preparedness

1EP1 Exercise Evaluation (71114.01)

a. Inspection Scope

The inspectors reviewed the June 10, 2003 exercise's objectives and scenario to ensure that the exercise would acceptably test major elements of the licensee's emergency plan and to verify that the exercise's simulated problems provided an acceptable framework to support demonstration of the licensee's capability to implement its plan. The inspectors also reviewed records of a drill, which was conducted on May 13, 2003, to determine whether the associated accident scenario was sufficiently different from the scenario used in the June 10, 2003 exercise.

The inspectors evaluated the licensee's exercise performance, focusing on the risk-significant activities of emergency classification, notification, and protective action decision making, as well as implementation of accident mitigation strategies in the following emergency response facilities:

- Control Room Simulator (CRS);
- Technical Support Center (TSC);
- Operations Support Center (OSC); and
- Emergency Operations Facility (EOF).

The inspectors also assessed the licensee's recognition of abnormal plant conditions, transfer of responsibilities between facilities, internal communications, interfaces with offsite officials, readiness of emergency facilities and related equipment, and overall implementation of the licensee's emergency plan.

The inspectors attended post-exercise critiques in the CRS, TSC, OSC, and EOF to evaluate the licensee's initial self-assessment of its exercise performance. The inspectors later met with the licensee's lead exercise evaluators to obtain the licensee's refined assessments of its exercise participants' performances. These self-assessments were then compared with the inspectors' independent observations and assessments.

b. Findings

No findings of significance were identified.

4. **OTHER ACTIVITIES**

4OA1 Performance Indicator (PI) Verification (71151)

a. Inspection Scope

The inspectors reviewed the licensee's records related to each of the three emergency preparedness PIs to verify that the licensee's program was implemented consistent with the industry guidelines in Nuclear Energy Institute publication No. 99-02, "Regulatory Assessment Performance Indicator Guideline," Revision 2, and related licensee procedures. Specifically, licensee records related to the performance of the Alert and Notification System (ANS), key Emergency Response Organization (ERO) members' drill participation, and Drill and Exercise Performance (DEP) were reviewed to verify the accuracy and completeness of the data submitted to USNRC for the period from January 2002 through March 2003.

b. Findings

No findings of significance were identified.

4OA2 Identification and Resolution of Problems

The following scenario and performance concerns were identified in the critique of the June 2003 exercise that could have adversely impacted response activities if scenario events had been real:

- Due to inadequate scenario pre-planning and controller actions, the mini-scenario associated with the first emergency declaration was unrealistically demonstrated such that some details were not available to the manager responsible for emergency classification decisions.
- The licensee's fourth press release was potentially confusing because it did not indicate that a second, more serious emergency event had occurred that resulted in the implementation of the precautionary protective actions by offsite officials that were summarized in this press release.

4OA6 Meetings

Exit Meeting

The inspectors presented the inspection results to Mr. M. Bezilla and other members of licensee management and staff at the conclusion of the inspection on June 13, 2003. The licensee acknowledged the information presented. No proprietary information was identified.

KEY POINTS OF CONTACT

Licensee

D. Bezilla, Site Vice President
A. Bless, Licensing Engineer
B. Cope, Senior Emergency Planning Specialist
R. Fast, Director, Organizational Development
D. Gordon, Senior Emergency Planning Specialist
S. Loehlein, Manager, Nuclear Quality Assurance
P. McCloskey, Manager, Regulatory Affairs
J. Michaelis, Manager, Supply Chain
D. Missig, Senior Nuclear Advisor
J. Powers, Director, Nuclear Engineering
M. Roder, Manager, Plant Operations
R. Schrauder, Director, Support Services
P. Smith, Senior Nuclear Associate
J. Vetter, Supervisor, Emergency Planning
W. Wagner, Lead Evaluator, Nuclear Quality Assurance
G. Wolf, Licensing Engineer

LIST OF DOCUMENTS REVIEWED

1EP1 Exercise Evaluation

Davis-Besse June 2003 Exercise Scenario Manual
Davis-Besse May 2003 Dry-Run Drill Scenario Time Line and Narrative Summary
RA-EP-01500; Emergency Classification; Revision 2
RA-EP-01700; Alert; Revision 0
RA-EP-01800; Site Area Emergency; Revision 0
RA-EP-01900; General Emergency; Revision 1
RA-EP-02010; Emergency Management; Revision 3
RA-EP-02110; Emergency Notification; Revision 4
RA-EP-02220; ECC Activation and Response; Revision 2
RA-EP-02230; Dose Assessment Center Activation and Response; Revision 0
RA-EP-02245; Protective Action Guidelines; Revision 1
RA-EP-02260; Radiological Controls in the Davis-Besse Administration Building;
Revision 1

RA-EP-02310; TSC Activation and Response; Revision 2

RA-EP-02410; OSC Activation and Response; Revision 4

RA-EP-02620; Emergency Dose Control and Potassium Iodide Distribution; Revision 2

RA-EP-02710; Re-Entry; Revision 1

RA-EP-02720; Recovery Organization; Revision 4

CR 03-03831; Clarify Procedural Criteria for Declaring that a Release is in Progress

CR 03-03832; One "Dry Run" Drill Objective Was Not Met

CR 03-03889; Update the Recovery Implementing Procedure

CR 03-04027; Assess Need to Develop Criteria for Issuing Potassium Iodide to Security Force and Warehouse Personnel

CR 03-04563; Revise a Setpoint Value in Procedure DB-OP-06013

CR 03-04564; Consider an Enhancement to Procedure DB-OP-02000

CR 03-04592; Performance and Equipment Critique Items for the Radiological Testing Laboratory

CR 03-04594; Performance and Equipment Critique Items for the ECC

CR 03-04597; Performance and Equipment Critique Items for the OSC

CR 03-04598; Concerns on the June 10, 2003 Exercise Scenario

CR 03-04601; Review Communications with Offsite Agencies During the June 10, 2003 Exercise

CR 03-04614; Review the Implementing Procedure for Emergency Worker Exposure Controls and Potassium Iodide Distribution

CR 03-04619; Clarify References to Offsite Laboratories in Implementing Procedure RA-EP-02230

CR 03-04620; Assess Consistency of Procedural and Computerized Guidance for Issuing Potassium Iodide to Emergency Workers

CR 03-04623; Performance and Equipment Critique Items in the Joint Public Information Center

CR 03-04627; Reassess Instructions in Implementing Procedure RA-EP-02220 for Determining Offsite Sirens' Operability

CR 03-04650; Assess Adequacy of Method Used to Detect Contamination on a Carpet

CR 03-04651; No Announcement was Made When the Emergency Assistant Plant Manager Became Emergency Director

CR 03-04652; Critique Items on Wording of Press Releases Numbers 4 and 6

CR 03-04653; Initial Notification of NRC Was Made by ECC Staff Before the ECC Became Operational and Apparently Without the Emergency Director's Knowledge

40A1 Performance Indicator Verification

Monthly Records of Opportunities for the ANS, ERO, and DEP Performance Indicators; January 2002 Through March 2003

LIST OF ACRONYMS USED

ANS	Alert and Notification System
CFR	Code of Federal Regulations
CR	Condition Report
CRS	Control Room Simulator
DEP	Drill and Exercise Performance
DRS	Division of Reactor Safety
ECC	Emergency Control Center
ERO	Emergency Response Organization
IR	Inspection Report
NUREG	Nuclear Regulatory Guide
OSC	Operations Support Center
PI	Performance Indicator
TSC	Technical Support Center
USNRC	United States Nuclear Regulatory Commission