

June 23, 2005

Mr. Mark B. Bezilla
Vice President-Nuclear, Davis-Besse
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 EMERGENCY PREPAREDNESS INSPECTION REPORT
NO. 05000346/2005011(DRS)

Dear Mr. Bezilla:

On May 19, 2005, the NRC completed an inspection at your Davis-Besse Nuclear Power Station. The enclosed report documents the inspection findings, which were discussed on May 19, 2005, with you and 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 2.390 of the NRC's "Rules of Practice," a copy of this letter and its enclosure will be available electronically for public inspection in the NRC Public Document Room or from the Publicly Available Records (PARS) component of NRC'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/

Steven A. Reynolds, Chairman
Davis-Besse Oversight Panel

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

Enclosure: Inspection Report 05000346/2005011(DRS)
w/Attachment: Supplemental Information

See Attached Distribution

M. Bezilla

-2-

cc w/encl: The Honorable Dennis Kucinich
G. Leidich, President - FENOC
J. Hagan, Senior Vice President
Engineering and Services, FENOC
L. Myers, Chief Operating Officer, FENOC
Plant Manager
Manager - Regulatory Compliance
D. Jenkins, Senior Attorney, FirstEnergy
Ohio State Liaison Officer
R. Owen, Administrator, Ohio Department of Health
Public Utilities Commission of Ohio
President, Board of County Commissioners
of Lucas County
J. Papcun, President, Ottawa County Board of Commissioners
W. King, FEMA, Region V

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U.S. NUCLEAR REGULATORY COMMISSION

REGION III

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

Report No: 05000346/2005011(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: May 16 through May 20, 2005

Inspectors: T. Ploski, Senior Emergency Preparedness Inspector
R. Jickling, Emergency Preparedness Inspector
J. Rutkowski, Resident Inspector
R. Powell, Senior Resident Inspector - Perry Plant

Observer: G. Gibbs, Reactor Engineer

Approved by: S. Reynolds, Chairman
Davis-Besse Oversight Panel

Enclosure

SUMMARY OF FINDINGS

IR 05000346/2005011(DRS); 05/16/2005 - 05/20/2005; Davis-Besse Nuclear Power Station; Emergency Preparedness Specialist Report.

The report covers a one-week baseline inspection by two regional emergency preparedness inspectors and two resident inspectors. 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 period January 1, 2004, through March 31, 2005.

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.

A. Inspector-Identified and Self-Revealed Findings

None.

B. Licensee-Identified Violations

None.

REPORT DETAILS

1. REACTOR SAFETY

Cornerstone: Emergency Preparedness

1EP1 Exercise Evaluation (71114.01)

a. Inspection Scope

The inspectors reviewed the May 17, 2005, biennial emergency preparedness 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 excerpts of records of six emergency preparedness drills, which were conducted between May 2004 and April 2005, to determine whether those drills' scenarios were sufficiently different from the scenario used in the May 17, 2005, 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 to evaluate the licensee's ability to adequately critique its staff's performance during the exercise.

b. Findings

No findings of significance were identified.

4. OTHER ACTIVITIES

4OA1 Performance Indicator (PI) Verification (71151)

Cornerstone: Emergency Preparedness

.1 Reactor Safety Strategic Area

a. Inspection Scope

The inspectors reviewed the licensee's records associated with 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 PI data submitted to NRC for the period from January 1, 2004 through March 31, 2005. The following three PIs were reviewed:

Common

- ANS;
- ERO Drill Participation; and
- Drill and Exercise Performance.

b. Findings

No findings of significance were identified.

4OA6 Meetings

.1 Exit Meeting

An exit meeting was conducted for:

- Emergency Preparedness with Mr. M. Bezilla and other members of licensee management and staff at the conclusion of the inspection on May 19, 2005. The licensee acknowledged the information presented. No proprietary information was identified.

.2 Public and Media Briefing

- On May 20, 2005, an inspector summarized the NRC's preliminary exercise inspection findings at a public and media briefing hosted by Federal Emergency Management Agency Region V staff in Port Clinton, Ohio.

ATTACHMENT: SUPPLEMENTAL INFORMATION

SUPPLEMENTAL INFORMATION

KEY POINTS OF CONTACT

Licensee

B. Allen, Plant Manager
M. Bezilla, Site Vice President
B. Boles, Plant Engineering Manager
B. Cope, Emergency Planning Specialist
D. Gordon, Emergency Planning Supervisor
L. Harder, Radiation Protection Manager
V. Higaki, Manager, Fleet Emergency Planning
R. Hruby, Manager, Fleet Oversight
S. Loehlein, Director, Site Engineering
C. Price, Regulatory Compliance Manager
A. Shallard, Operations Training Supervisor
T. Simonetti, Nuclear Training Supervisor
C. Strumsky, Maintenance Superintendent
J. Sturdavant, Regulatory Compliance Engineer
J. Vetter, Emergency Planning Supervisor

LIST OF ITEMS OPENED, CLOSED, AND DISCUSSED

Opened and Closed

None.

Discussed

None.

LIST OF DOCUMENTS REVIEWED

The following is a list of documents reviewed during the inspection. Inclusion on this list does not imply that the NRC inspectors reviewed the documents in their entirety but rather that selected sections of portions of the documents were evaluated as part of the overall inspection effort. Inclusion of a document on this list does not imply NRC acceptance of the document or any part of it, unless this is stated in the body of the inspection report.

1EP1 Exercise Evaluation

Exercise Scenario Manual; dated May 17, 2005

Dry-Run Drill Scenario Time Line and Narrative Summary; dated April 19, 2005

Integrated Drill Scenario Time Line and Narrative Summary; dated March 24, 2005

Scenario Time Line and Narrative Summary for Four Integrated Response Facility Drills Conducted During 2004

RA-EP-01500; Emergency Classification; Revision 4

RA-EP-01700; Alert; Revision 1

RA-EP-01800; Site Area Emergency; Revision 1

RA-EP-01900; General Emergency; Revision 3

RA-EP-02010; Emergency Management; Revision 6

RA-EP-02110; Emergency Notifications; Revision 6

RA-EP-02220; EOF Activation and Response; Revision 4

RA-EP-02230; Dose Assessment Center Activation and Response; Revision 1

RA-EP-02245; Protective Action Guidelines; Revision 2

RA-EP-02260; Radiological Controls in the Davis-Besse Administration Building; Revision 3

RA-EP-02310; TSC Activation and Response; Revision 3

RA-EP-02410; OSC Activation and Response; Revision 6

RA-EP-02610; Emergency Radiation Protection Organization Activation and Response; Revision 6

RA-EP-02620; Emergency Dose Control and Potassium Iodide Distribution; Revision 4

RA-EP-02710; Re-Entry; Revision 2

RA-EP-02720; Recovery Organization; Revision 5

CR-05-02818; Computerized Status Board Display Stopped Updating During 2005 Exercise

CR-05-02819; Critique Feedback from Ohio Officials for 2005 Exercise

CR-05-02833; Controller Shortage in OSC during 2005 Exercise

CR-05-02838; Four Items from CRS Critique of 2005 Exercise

CR-05-02842; Two Activation Concerns for Joint Public Information Center Identified During 2005 Exercise

CR-05-02843; Implementing Procedure RA-EP-02510 Enhancement Identified During 2005 Exercise

CR-05-02844; Three Equipment Enhancements for Joint Public Information Center Identified During 2005 Exercise

CR-05-02846; Five Human Performance Concerns at Joint Public Information Center Identified During 2005 Exercise

CR-05-02849; Timeliness of Assessing a (Simulated) Minor Release in Progress Concern Identified During 2005 Exercise

CR-05-02850; Summary of EOF Critique Items for 2005 Exercise

CR-05-02851; Two Potential Implementing Procedure Enhancements Identified During 2005 Exercise

CR-05-02855; Summary of TSC Critique Items for 2005 Exercise

CR-05-02856; Three OSC Equipment Concerns Identified During 2005 Exercise

CR-05-02857; (Simulated) Dose Limit Concern for One In-plant Team's Mission Identified During OSC Critique

CR-05-02858; Four Improvements for Control of Access to Areas Outside Emergency Response Facilities' Ventilation System Envelope Identified During 2005 Exercise

CR-05-02861; Difference in Air Sample Counting Practices Noted During 2005 Exercise

CR-05-02865; Criteria for Invoking 10 CFR 50.54(x) Should Be Proceduralized

CR-05-02867; Three Internal Communications Concerns Identified in Critique of CRS Activities for 2005 Exercise

CR-05-02871; Three Human Performance Concerns Identified in Critique of OSC Activities for 2005 Exercise

CR-05-02874; Two Enhancements Identified for Implementing Procedure RA-EP-02310 During 2005 Exercise

Draft CR-05-02886; NRC Questioned Realism of a Team Performing a Task in an In-plant Area Having Simulated Flooding During 2005 Exercise

Draft CR-05-02887; Response to NRC Concern on Coordination Between Certain TSC and OSC Responders on Determining Dose Limits for In-Plant Teams Assigned to Enter a Simulated High Radiation Area During 2005 Exercise

Draft CR-05-02888; Response to NRC Concern on Apparent Conflicting Instructions from Certain CRS and OSC Responders to an In-plant Team During 2005 Exercise

4OA1 Performance Indicator Verification

DBBP-EMER-0002; NRC Performance Indicator for ERO Drill Participation; Revision 02

DBBP-EMER-0003; NRC Performance Indicator of ANS Reliability; Revision 02

DBBP-EMER-0004; NRC Performance Indicator for Drill and Exercise Participation;
Revision 00

Monthly Records of Performance Indicator Opportunities for Emergency Preparedness;
January 2004 through March 2005

LIST OF ACRONYMS USED

ANS	Alert and Notification System
DBBP	Davis-Besse Business Practice
CFR	Code of Federal Regulations
CR	Condition Report
CRS	Control Room Simulator
DEP	Drill and Exercise Performance
EOF	Emergency Operations Facility
ERO	Emergency Response Organization
FENOC	FirstEnergy Nuclear Operating Company
NRC	United States Nuclear Regulatory Commission
NUREG	Nuclear Regulatory Guide
OSC	Operations Support Center
PI	Performance Indicator
TSC	Technical Support Center