

September 18, 2002

Mr. Peter E. Katz
Vice President - Calvert Cliffs Nuclear Power Plant
Constellation Generation Group
Calvert Cliffs Nuclear Power Plant, Inc.
1650 Calvert Cliffs Parkway
Lusby, MD 20657-4702

SUBJECT: CALVERT CLIFFS NUCLEAR POWER PLANT - NRC EVALUATED
EMERGENCY PREPAREDNESS EXERCISE - INSPECTION REPORT
NOS. 50-317/01-010 & 50-318/01-010

Dear Mr. Katz:

The enclosed report documents an inspection at the Calvert Cliffs Nuclear Power Plant, which evaluated the performance of your emergency response organization during the September 9, 2002, full-participation exercise and the post-exercise critique as specified in the reactor oversight program. Also during this period, inspectors reviewed information pertaining to the August 11, 2002, St. Mary's County's failed siren test. The inspectors discussed the findings of this inspection with Mr. P. Katz and other members of your staff at the exit meeting on September 11, 2002.

This inspection was an examination of 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. Within these areas, the inspection consisted of a selected examination of procedures and representative records, observations of activities, and interviews with personnel.

Based on the results of this inspection, no findings of significance were identified.

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Mr. Peter E. Katz

Should you have any questions regarding this report, please contact me at (610) 337-5183.

Sincerely,

/RA/

Richard J. Conte, Chief
Operational Safety Branch
Division of Reactor Safety

Docket Nos: 50-317 & 50-318
License Nos: DPR-53 & DPR-69

Enclosure: Inspection Report Nos. 50-317/01-010 & 50-318/01-010

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Mr. Peter E. Katz

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U. S. NUCLEAR REGULATORY COMMISSION

REGION I

Docket Nos: 50-317
50-318

License Nos: DPR-53
DPR-69

Report Nos: 50-317/01-010
50-318/01-010

Licensee: Constellation Energy Group

Facility: Calvert Cliffs Nuclear Power Plant

Dates: September 9 - 11, 2002

Inspectors: D. Silk, Senior Emergency Preparedness Inspector, DRS (Lead)
L. Cline, Resident Inspector, Calvert Cliffs, DRP
C. Smith, Reactor Inspector, Three Mile Island, DRP
J. Furia, Senior Radiation Specialist, DRS
P. Torres, Reactor Engineer, DRP

Approved by: Richard J. Conte, Chief
Operational Safety Branch
Division of Reactor Safety

SUMMARY OF FINDINGS

IR 05000317/01-010 & 05000318/01-010; 09/09-11/2002; Calvert Cliffs Nuclear Power Plant; Emergency Preparedness Exercise.

This inspection was conducted by region based inspectors and resident inspectors. 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.

Cornerstone: Emergency Preparedness

- No findings of significance were identified.

Report Details

1. REACTOR SAFETY

Cornerstone: Emergency Preparedness (EP)

1EP1 Exercise Evaluation

a. Inspection Scope

During the September 9, 2002, exercise, the inspectors reviewed and assessed:

- Exercise objectives and scenario to determine if the Calvert Cliffs exercise would test the adequacy of timing and content of implementing procedures and methods, test emergency equipment and communications network, test portions of the public notification system, and ensure that emergency organization personnel are familiar with their duties as required by 10 CFR 50 Appendix E.IV.F.2.
- The licensee's biennial full-participation exercise performance by primarily focusing on the implementation of the risk-significant planning standards (RSPS) in 10 CFR 50.47 (b) (4), (5), (9) & (10) which are emergency classification, offsite notification, radiological assessment, and protective action recommendations (PARs), respectively.
- Other performance areas besides the RSPS, such as, the emergency response organization's (ERO) recognition of abnormal plant conditions, command and control, intra- and inter-facility communications, prioritization of mitigation activities, utilization of repair teams and field monitoring teams, interface with offsite agencies, and the overall implementation of the emergency plan and implementing procedures.
- The overall adequacy of the licensee's emergency response facilities and their implementation of NUREG-0696, Functional Criteria for Emergency Response Facilities, and emergency plan commitments. The facilities assessed were the simulator control room (SCR), technical support center (TSC), the operations support center (OSC), and emergency operations facility (EOF).
- Past performance issues from NRC inspection reports and licensee drill reports to determine effectiveness of corrective actions as demonstrated during this exercise to ensure compliance with 10CFR50.47(b)(14) and Appendix E.IV.F.2.g.
- The post-exercise critique to evaluate the licensee's self-assessment of their ERO performance during the exercise and to ensure compliance with 10CFR50 Appendix E.IV.F.2.g.

b. Findings

No findings of significance were identified.

4. OTHER ACTIVITIES (OA)

OA3 Event Followup 711153

a. Inspection Scope

On August 11, 2002, the St. Mary's County weekly siren (silent) test resulted in none of the sirens receiving a test signal. This was identified by the licensee on August 12, 2002. The county investigated and restored the system to operable status which was confirmed by the licensee on August 13, 2002. During this inspection, the inspector interviewed licensee personnel responsible for engineering support of the sirens and who interface with the counties regarding EP issues to reconstruct the time line of events and corrective actions. Through the interviews, the inspector inquired into backup capabilities available to the county to activate the sirens. Because of the problems with the Calvert County sirens in 2001, the inspector reviewed the pertinent facts to determine if there were similarities between these two events and if corrective actions implemented for last year's problem were ineffective. The inspector reviewed documentation from St. Mary's County and the licensee to verify and assess corrective actions. The impact on the Alert and Notification System Performance Indicator was also reviewed.

b. Findings

No findings of significance were identified.

40A6 Meetings, including Exit

The inspectors presented the inspection results to Mr. P. Katz, Site Vice President, and other members of the licensee's staff at the conclusion of the inspection on September 11, 2002. The licensee had no objections to the NRC findings or observations. No proprietary information was provided to the inspectors during this inspection.

KEY POINTS OF CONTACT

Licensee

R. Woods, Senior Emergency Planning Analyst, Offsite
G. Rudigier, Senior Emergency Planning Analyst, Onsite
A. O'Donnell, Supervisor Emergency Preparedness
D. Holmes, Operations Manager
G. Dare, Engineering Analyst
T. Pritchett, Vice President Business Services

LIST OF ITEMS OPENED, CLOSED, AND DISCUSSED

Opened

None

Closed

None

Discussed

None

LIST OF DOCUMENTS REVIEWED

Calvert Cliffs Emergency Plan and Implement Procedures
Issue Report IR4-000-928

LIST OF ACRONYMS

EOF	Emergency Operations Facility
EP	Emergency Preparedness
ERO	Emergency Response Organization
OSC	Operations Support Center
PAR	Protective Action Recommendation
RSPS	Risk Significant Planning Standard
SCR	Simulator Control Room
TSC	Technical Support Center

ISSUE REPORTS GENERATED FROM THE EXERCISE

IR4-000-589 Plant informed of GE in an untimely manner
IR4-000-588 Pager activation untimely
IR4-003-101 Inability to control S/G level
IR4-000-603 Field monitoring team was not dispatched
IR4-000-604 PAR criteria
IR4-009-902 Display phone problem at Media Center
IR4-000-587 Pager activation call in was not correct
IR4-009-089 Untimely GE declaration
IR4-007-377 Chem tech directed to use incorrect procedure to sample RCS
IR4-007-376 Outdated revision of briefing sheets in CTL drawer
IR4-000-585 Delay in communication UE notification because MDE was not on the call
IR3-003-100 Untimely notification of site personnel regarding GE and liquid release
IR4-011-626 Incorrect time stamping for the PPC data
IR4-011-979 Onsite monitoring team used wrong channel for communications
IR4-011-908 Controller data for air sample in CPM instead of DPM
IR4-000-584 CR/TSC monitor storage locker did not have air sampler or AC power cord
IR4-000-605 Erroneous press release for UE
IR4-003-504 Maintenance team never went to 27' Main steam penetration room
IR4-000-606 Media Center Press Release kits were not available
IR4-000-607 Facilities were not informed that RMS data was transferred to paper data