

U.S. NUCLEAR REGULATORY COMMISSION
REGION I

Report No. 50-317/84-22
50-318/84-22

Docket No. 50-317
50-318

License No. DPR-53
DPR-69 Priority -- Category --

Licensee: Baltimore Gas and Electric Company
P. O. Box 1475
Baltimore, Maryland 21203

Facility Name: Calvert Cliffs Nuclear Power Plant Units 1 and 2

Inspection At: Lusby, Maryland

Inspection Conducted: August 13-17, 1984

Inspectors: Donald R. Bellamy 9/7/84
Ira Cohen, Emergency Preparedness Specialist date

Approved by: Donald R. Bellamy 9/7/84
H. W. Crocker, Chief, Emergency Preparedness Section, DETP date

Inspection Summary: Inspection on August 13-17, 1984 (Report Nos. 50-317/84-22 and 50-318/84-22)

Areas Inspected: Unannounced routine inspection of emergency preparedness activities as outlined in IE Inspection Procedures 82201, 82202, 82204, 82210 and a review of open items from a previous inspection. The inspection involved 32 inspection hours by one regional based NRC inspector.

Results: No violations were identified.

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DETAILS

1. Persons Contacted

- *I. Forgette, Supervisor, Emergency Planning
- J. Shire, Emergency Planning Analyst
- C. Unkle, Emergency Planning Analyst
- R. E. Ogden, Assistant Supervisor, Control Center (Calvert County)
- V. Horsmon, Emergency Director, Calvert County
- T. Oliver, Defense Director, St. Mary's County
- C. Rayburn, Emergency Planning Analyst
- P. Pieringer, Senior Engineer, Operations Unit
- D. Drinkrater, Training Instructor

*Indicates attendance at exit interview.

2. Review of Items Previously Identified

- a. (Closed) 83-35-01 Consider revisions to Emergency Action Levels as shown in Paragraph 3 of this report (83-55) and include a description of or reference to the Public Prompt Notification System within the Emergency response Plan.

The inspector held discussions with licensee personnel, reviewed a draft of the description of the System and was assured that the description would be included in the Emergency Response Plan by October 1, 1984.

- b. (Closed) 83-35-02: Include Attachment 1 of IE Information Notice No. 83-28: "Criteria for Protective Action Recommendations for General Emergencies" within Implementing Procedure No. 4.5, Protective Actions.

The inspector held discussions with licensee personnel and was assured that appropriate Protective Action Recommendation for General Emergencies would be included within Implementing Procedure No. 4.5 prior to the annual exercise scheduled for September 11, 1984.

- c. (Closed) 83-25-03: Complete all lesson plans covering emergency response conducted by the training department.

The inspector held discussions with licensee training personnel and reviewed completed lesson plans.

- d. (OPEN) 83-35-04; Provide documentation to NRC Region I on the technical bases and justification used for selection of the MIDAS dose assessment system, as required by Appendix E to 10 CFR Part 50.

To address this requirement verify that:

- (1) mesoscale transport of effluents from ground level and/or elevated releases can be adequately modeled using the meteorological data available onsite, in the vicinity (up to 10 miles) of the plant;
- (2) the physical height of the mixing layer can be adequately determined from onsite measurement and model statistics and is included in the dispersion calculation;
- (3) diffusion rates are based on the most appropriate stability indicator(s) and
- (4) source characteristics are factored into the model.

The licensee responded to this item in a letter dated June 29, 1984. This matter will be examined during a future inspection.

- e. (OPEN) 83-35-05; Meteorological parameters from the primary tower identified in Emergency Plan section 5.III.A are not available on strip charts in the control room and are not used in the initial dose assessment calculation (ERPIP 4.4.1) as recommended in NUREG-0654. Revise the initial dose assessment procedure to consider actual meteorological measurements from the primary tower; identify in the ERP and ERPIP where the primary meteorological parameters will be available (control room, TSC and ECC/EOF) for dose assessment calculations. State in the ERP how the NRC, state and local agencies will access this information.

The licensee responded to this item in a letter dated June 29, 1984. This matter will be examined during a future inspection.

- f. (OPEN) 83-35-06; Revise Technical Specifications 3.3.3.4 on meteorological instrumentation to be consistent with ERP section 5.III.A where the meteorological parameters from the new primary tower are identified as the essential parameters used in support of dose assessment calculations for emergency preparedness.

The licensee responded to this item in a letter dated June 29, 1984. This matter will be examined during a future inspection.

- g. (OPEN) 83-35-07; State in a letter to Region I, whether the primary and backup monitoring systems used in the meteorological monitoring conform to the guidelines established in Regulatory Guide 1.23, Rev. 1 or justify any exceptions.

The licensee responded to this item in a letter dated June 29, 1984. This matter will be examined during a future inspection.

3. Areas Inspected

a. Emergency Detection and Classification (IE Inspection Procedure 82201)

The inspector held discussions with licensee personnel, reviewed emergency operating and emergency plan implementing procedures, unusual event reports and noted that the initial offsite notification procedures include criteria based on EALs for initiation of offsite notifications and protective action recommendations, procedures contain criteria for recommending protective actions for nonessential onsite personnel and State and local agencies agree with the licensee EALs which are reviewed each year. EALs are consistent in range with control room instrumentation and decisional aids used for event classification are readily available and consistent with the EALs.

Based on the above review, no violations were identified.

b. Protective Action Decisionmaking (IE Inspection Procedure 82202)

The inspector held discussions with licensee personnel, reviewed the public prompt notification system, inspected selected siren locations within Calvert County and St. Mary's County, visited the county Emergency Operating Centers, held discussions concerning protective action recommendations and noted that Calvert County and St. Mary's County officials have the capability to make prompt public notification and protective action decisions leading to activation of the alerting system within 15 minutes of notification by the licensee.

Based on the above review, no violations were noted.

c. Notifications and Communications (IE Inspection Procedure 82203)

The inspector held discussions with licensee personnel, reviewed maintenance records of the prompt notification system, reviewed records of radio and telephone tests between the licensee and offsite facilities, inspected a sample of siren locations within the emergency planning zone and noted that the licensee is maintaining a capability for notifying and communicating to offsite supporting agencies and authorities and the population within the emergency planning zone in the event of an emergency.

Based on the above review, no violations were noted.

d. Changes to the Emergency Preparedness Program (IE Inspection Procedure 82204)

The inspector held discussions with licensee personnel, reviewed emergency plan changes and noted that changes to the emergency plan did not affect the overall state of emergency preparedness.

Based on the above review, no violations were noted.

e. Licensee Audits (IE Inspection Procedure 82210)

The inspector held discussions with licensee personnel, reviewed audits of the emergency preparedness program performed during 1982 and 1983 by members of the Quality Assurance staff and noted that the audits included a review of the adequacy of the interface with State and local governments as required. The inspector also noted that the licensee has a means of identifying deficiencies and weaknesses during drills and exercises and provides a means for corrective actions.

Based on the above review, no violations were noted.

4. Exit Interview

On August 17, 1984, the inspector met with the licensee representative identified in Paragraph 1 and summarized the scope and findings of the inspection. At no time during the inspection was written material provided to the licensee by the inspector.