

U.S. NUCLEAR REGULATORY COMMISSION
REGION I

Report No. 50-317/85-08
50-318/85-08

Docket Nos. 50-317
50-318

License Nos. DRP-53
DPR-69

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: March 18-22, 1985

Date of Last Physical Security Inspection: June 11-15, 1984

Type of Inspection: Routine, Unannounced Physical Security

Inspectors: Roland J. Bailey
Roland J. Bailey, Physical Security
Inspector

4/22/85
date

Jack M. Dunlap
Jack M. Dunlap, Physical Security
Inspector

4/22/85
date

Approved by: R. R. Keimig
R. R. Keimig, Chief, Safeguards
Section

4-22-85
date

Inspection Summary:

Routine, Unannounced Physical Security Inspection on March 18-22, 1985 (Combined
Inspection Nos. 50-317/85-08 and 50-318/85-08)

Areas Inspected: Security Plan and Implementing Procedures; Management Effectiveness; Security Organization; Security Program Audit; Records and Reports; Testing and Maintenance; Locks, Keys, and Combinations; Physical Barriers (Protected and Vital Areas); Security System Power Supply; Assessment Aids; Access Control (Personnel, Packages, and Vehicles); Detection Aids (Protected

and Vital Areas); Compensatory Measures; Alarm Stations; Communications; Training and Qualification and Security Contingency Plans. The inspection involved 68 hours onsite by two region-based inspectors during regular hours and four during non-regular hours.

Results: The licensee was in compliance with NRC requirements in the areas examined.

DETAILS

1. Key Personnel Contacted

L. P. Gibbs, General Supervisor, Security Operations
L. N. Blankenship, Assistant General Supervisor, Security Operations
M. R. Cox, Supervisor, Support Unit, Nuclear Security
C. W. Hart, Supervisor, Security Planning and Programs
B. F. O'Connor, Security Planning Specialist
E. P. Gwiazdowski, Supervisor, Security Training and Education
J. H. Alvey, Nuclear Security Supervisor
T. K. Lund, Nuclear Security Supervisor
M. T. Harris, Nuclear Security Supervisor
J. W. Ross, Jr., Security Screening

The inspectors also interviewed other members of the licensee's proprietary security force and several contract security watchpersons employed by Globe Security Services.

2. MC 30703 - Exit Interview

The inspectors met with licensee representatives listed in Paragraph 1 at the conclusion of the inspection on March 22, 1985. The purpose and scope of the inspection were reviewed and the findings presented. At no time during this inspection was written material provided to the licensee by the inspectors.

3. MC 92702 - Followup on a Violation

(Closed) Violation (50-317/84-17-01/02 and 50-318/84-17-01/02): The licensee was utilizing an unapproved procedure for rehiring previously terminated personnel and as a result, two contract security personnel were exempted from certain required processing when they were rehired within 90 days of their termination. The inspector verified that these personnel subsequently underwent the required processing and all department heads and contractors were advised of the required procedure. The licensee now requires all rehired personnel to be treated as new employees and to undergo the prescribed processing before being granted access to the site.

4. MC 92701 - Followup on Inspector Identified Item

(Closed) Inspector Followup (50-317/84-17-03 and 50-318/84-17-03): The licensee was conducting a survey to determine whether testing and maintenance control records required the protection afforded safeguards information. The inspector verified that the survey of testing and maintenance control records was completed and that the licensee is protecting these records in accordance with NRC regulations.

5. MC 81018 - Security Plan and Implementing Procedures

The physical security plan and implementing procedures were adequate and appropriate to meet general performance requirements, and were properly integrated with plant safety.

6. MC 81020 - Management Effectiveness

Corporate and onsite security management staff provide effective management of the security program. This was evidenced by the delegation of various duties and responsibilities to qualified personnel and by the collective participation of security staff personnel in the review, followup and decision making process on security related matters. Security personnel were observed performing their assigned duties in a professional manner. Interviews with security personnel revealed that they were advised on followup actions taken by security and plant management on issues identified by them in routine security incident reports.

7. MC 81022 - Security Organization

The licensee's security management structure and chain of command were in conformance with the approved Physical Security Plan, Contingency Plan, security procedures and were adequate and appropriate for their intended function.

8. MC 81034 - Security Program Audit

The licensee had conducted a comprehensive security program audit on October 11, 1984 that included an in-depth review of approved security procedures, security practices, protection system effectiveness, testing and maintenance of security related equipment, and local law enforcement commitments. Audit reports were on file covering a period of five years.

9. MC 81038 - Records and Reports

During a review of three Security Event Reports submitted to NRC in 1985, the inspectors observed that two reports involved controlled substances. The personnel involved in these incidents were terminated from employment, barred from the site, and their names were included on the barred list maintained by the security screening department. The third report involved the temporary loss and recovery of vital area keys. The incident occurred during this inspection. The licensee stated that the security officer involved would be disciplined and the correct procedures for the reporting and return of lost company property was discussed with the plant personnel involved in the event.

The licensee's reports to NRC were consistent with regulatory and security plan requirements. The records required to be retained for specified periods of time were complete and available for inspection at the site.

10. MC 81042 - Testing and Maintenance

The licensee's program for testing and maintenance of security equipment conformed to the requirements of the Physical Security Plan and licensee procedures. Testing and maintenance records were reviewed and security equipment was tested, ensuring that the equipment met NRC regulatory general performance requirements and objectives.

11. MC 81046 - Locks, Keys, and Combinations

Locks, keys, and combinations were controlled and protected in conformance with the physical security plan, procedures, and NRC regulatory and performance requirements. All protected and vital area keys were accounted for during the inspection. However, see Paragraph 9 above.

12. MC 81052 - Physical Barriers (Protected Area)

The licensee maintained the physical barriers surrounding the protected area in accordance with the Security Plan. The inspectors observed that the barriers were adequate and appropriate for their intended function.

13. MC 81054 - Physical Barriers (Vital Areas)

The licensee maintained the physical barriers surrounding the vital areas in accordance with the Security Plan. The inspectors observed that the barriers were adequate and appropriate for their intended function.

14. MC 81058 - Security System Power Supply

The licensee maintained an adequate power supply system to provide emergency power to physical security equipment, in accordance with Security Plan commitments. The inspectors reviewed records to determine that the power supply system was maintained and tested at the required intervals.

15. MC 81062 - Lighting

The lighting of the isolation zones and exterior areas within the protected area was observed by the inspectors to be sufficient to the minimum requirement set forth in the physical security plan.

16. MC 81064 - Compensatory Measures

A review of security records and interviews with security officers by the inspectors revealed that the implementation of compensatory security measures for inoperative security related systems and equipment conformed to the physical security plan, regulatory requirements and approved procedures.

17. MC 81066 - Assessment Aids

Assessment aids utilized by the licensee were observed by the inspectors from the central and secondary alarm stations during day and night conditions. They conformed to security plan requirements and were adequate for their intended function.

18. MC 81070 - Access Control (Personnel)

Personnel access to the protected area and vital areas was observed by the inspectors to be controlled by the licensee in accordance with the security plan. Search equipment was adequate and appropriate for detection of firearms and explosives during searches of personnel entering the protected area.

19. MC 81072 - Access Control (Packages)

The entry of packages and material into the protected area was observed by the inspectors and found to be controlled by the licensee in conformance with the security plan. Search equipment was tested and determined to be adequate for the detection of firearms and explosives during searches of personnel entering the protected area.

20. MC 81074 - Access Control (Vehicles)

Control of vehicles entering the protected area was observed by the inspectors and found to be in accordance with the security plan. Vehicles were properly searched and escorted when required.

21. MC 81078 - Detection Aids (Protected Area)

The perimeter intrusion detection system (IDS) detected inspector requested penetration tests of the IDS zones in accordance with the physical security plan and security procedures.

22. MC 81080 - Detection Aids (Vital Areas)

The intrusion detection system detected inspector requested penetration tests of vital areas in accordance with the physical security plan.

23. MC 81084 - Alarm Stations

The inspector confirmed through observation of the central alarm station (CAS) and the secondary alarm station (SAS) that they were in conformance with the physical security plan and were adequate and appropriate for their intended functions. CAS and SAS operators demonstrated adequate skill and knowledge in the performance of their duties.

24. MC 81088 - Communications

The inspectors observed tests of the internal and external communication links established by the licensee and found that they were in conformance with the physical security plan and NRC regulatory requirements.

25. MC 81501 - Training and Qualification Plan

The licensee's Training and Qualification Plan was reviewed by the inspectors and found adequate and appropriate to meet the performance requirements and objectives for the security organization.

26. MC 81601 - Security Contingency Plan

The licensee's program for responding to the security threats and other contingencies, as outlined in the approved Security Contingency Plan (SCP), was reviewed by the inspectors and found to be adequate. Responses to actual and simulated contingencies during the inspection were observed by the inspectors to be consistent with responses detailed in the approved SCP.