

U. S. NUCLEAR REGULATORY COMMISSION  
OFFICE OF INSPECTION AND ENFORCEMENT

REGION V

Report No. 50-142/77-02  
Docket No. 50-142 License No. R-71 Safeguards Group 11

Licensee: The Regents of the University of California  
School of Engineering  
Los Angeles, California 90024

Facility Name: Nuclear Energy Laboratory

Inspection at: University of California at Los Angeles

Inspection conducted: September 21-22, 1977

Inspectors: Wayne P. Mortensen 10/19/77  
W. P. Mortensen, Physical Protection Inspector Date Signed

Date Signed

Date Signed

Approved by: L. R. Worderhaug 10/19/77  
L. R. Worderhaug, Acting Chief, Safeguards Branch Date Signed

Summary:

Unannounced inspection on September 21-22, 1977 (Report No. 50-142/77-02)  
Areas Inspected: Followup on previously identified items of noncompliance, essential equipment, security areas, security systems, organization, access control, surveillance and procedures. The inspection was started during regular working hours and involved 8 hours onsite by one NRC inspector. The inspector was accompanied by a representative of The Office of Inspection and Enforcement, Headquarters, U.S.N.R.C., who conducted a program review.

Results: Of the eight areas inspected, two items of noncompliance were identified in two areas. The areas of noncompliance were security systems (para. 5) and surveillance (para. 8). One deviation was identified in paragraph 5.

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4 pages

## DETAILS

1. Persons Contacted

\*Dr. Ivan Catton, Director, Nuclear Energy Laboratory  
 Dr. Neil C. Ostrander, Manager, Nuclear Energy Laboratory  
 \*Mr. "Chuck" Ashbaugh, Security Officer, Nuclear Energy Laboratory  
 Lt. Jim Kuhlen, UCLA Police Department  
 Mr. Bud Ennis, Supervising Locksmith UCLA  
 Mr. Phil Arnold, Electrician, UCLA

\*denotes those attending exit interview

2. Licensee Action on Previous Inspection Findings

(Closed) Noncompliance (142/76-01): Failure to take corrective action when keys were lost and duplicated without authorization. The inspector found that written procedures now exist and approved key control practices are being followed to insure key system integrity.

3. Essential Equipment

No items of noncompliance or deviations were identified.

4. Security Areas

The inspector examined the security barriers as they existed September 21, 1977 and found them to be as described in the licensee's security plan dated January 20, 1977 as revised May 13, 1977 and August 24, 1977.

No items of noncompliance or deviations were identified.

5. Security Systems

A. The inspector tested \_\_\_\_\_ installed on doors providing access to and within the Nuclear Energy Laboratory. In several of the locks it was noted \_\_\_\_\_ failed to operate. The inspector demonstrated to licensee staff that the door

\_\_\_\_\_ could be opened using a small screwdriver

Regulatory Guide 5.12 and The Office of Inspection and Enforcement Circular 77-04 indicate the accepted industrial practice of maintaining locking devices so that their circumvention by common burglary techniques is precluded.

These findings represent a deviation.

B.

These findings represent an item of noncompliance.

6. Organization

The inspector reviewed the licensee's security organization and the relationship with local law enforcement authorities on September 22, 1977, and found it to be as described in the security plan.

No items of noncompliance or deviations were identified.

7. Access Control

The inspector examined key control procedures and personnel access to the security areas.

No items of noncompliance or deviations were identified.

8. Surveillance

The licensee's approved security plan (part II, paragraph C2) states

Part I, paragraph B of the security plan states

The inspector tested the licensee's alarm system by having the licensee place the alarm system in a secure mode and establishing direct radio communication with [redacted]. The [redacted] was instructed to report incoming alarms for this test immediately. The inspector then entered the reactor high bay (room 1000), a security area. The inspector walked continuously within the [redacted] without detection.

These findings represent an item of noncompliance.

9. Procedures

The inspector reviewed the licensee's procedures for response to detected unauthorized intrusions, security violations by authorized personnel, bomb threats, acts of civil disorder, security program review and key control.

No items of noncompliance or deviations were identified.

10. Exit Interview

The inspector met with licensee representatives (denoted in paragraph 1) at the conclusion of the inspection on September 22, 1977. The inspector summarized the scope and findings of the inspection. The licensee representatives made the following remarks in response to certain of the items discussed by the inspector:

Stated the description of the alarm system had been given to them by their installation personnel and they would check into it. (paragraph 5)

Acknowledged the problems with [redacted] of their locks and stating their locksmiths have been instructed to alleviate the problem. (paragraph 5)

Stated they would [redacted] the alarm system to a performance standard and inform NRC of that standard, and/or procedures to assure a constant effective level [redacted] alarm system. (paragraph 8)



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 NUCLEAR REGULATORY COMMISSION  
 REGION V  
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 50-4-28

DEC 18 1978

Docket No. 50-142

The Regents of the University of California  
 School of Engineering  
 Los Angeles, California 90024

Attention: Russell O'Neil  
 Dean of Engineering

Gentlemen:

This letter refers to the inspection of your activities authorized under NRC License No. R-71 conducted by Mr. W. P. Mortensen of this office on October 30-31, 1978. It also refers to the discussion of our inspection findings held by the inspector with Mr. N. Ostrander and members of his staff on October 31, 1978.

The inspection included examination of activities related to physical protection against industrial sabotage and against theft of special nuclear material in accordance with applicable requirements of Title 10, Code of Federal Regulations, Part 73, "Physical Protection of Plants and Materials," your Security Plan, and license conditions pertaining to physical protection as described in the enclosed inspection report. Within these areas, the inspection consisted of selective examinations of procedures and records, interviews with facility personnel and observations by the inspector.

Within the scope of this inspection, no items of noncompliance were identified.

During this inspection it was found that certain of your activities appeared to deviate from your internal security procedures, and/or commitments you made to this office in your letter dated December 21, 1977, as set forth in the Notice of Deviation, enclosed herewith as Appendix A. Please reply within twenty (20) days of your receipt of

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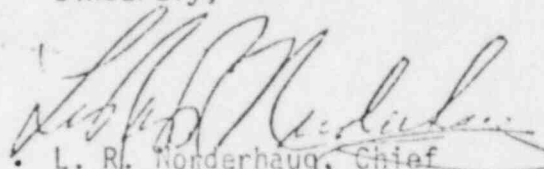
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this notice and comment concerning these items. Include a description of any steps that have been or will be taken to prevent recurrence, and the date all corrective actions or preventive measures were or will be completed.

In accordance with Section 2.790(d) of the NRC's "Rules of Practice," Part 2, Title 10, Code of Federal Regulations, documentation of findings of your control and accounting procedures for safeguarding special nuclear materials are exempt from disclosure; therefore, the enclosure to this letter, the inspection report, and your response to the items listed in the enclosure to this letter will not be placed in the Public Document Room and will receive limited distribution.

Should you have any questions concerning this letter, we will be glad to discuss them with you.

Sincerely,



L. R. Norderhaug, Chief  
Safeguards Branch

Enclosures:

1. Appendix A - Notice of Deviation
2. IE Inspection Report No.  
50-142/78-03 (IE-V-264)