

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

Region V

Report No. 70-223/80-01
50-142/80-01 (IE-V-369)

Docket No. 70-223 & 50-142 License No. SNM-974 & R-71 Safeguards Group 2

Licensee: University of California, Los Angeles
Los Angeles, California 90024

Facility Name: _____

Inspection at: _____

Inspection Conducted: February 11-12, 1980

Date of Last Material Control and Accounting Inspection Visit: December 5-6, 1977

Type of Inspection: Material Control and Accounting

| | | |
|-------------|---------------------------------|----------------|
| Inspectors: | <u><i>L. R. Norderhaug</i></u> | <u>2/25/80</u> |
| | G. Yamada, Chemist/Statistician | Date Signed |
| | <u><i>L. R. Norderhaug</i></u> | <u>2/25/80</u> |
| | K. Wieder, Auditor | Date Signed |

Date Signed

| | | |
|--------------|--|----------------|
| Approved by: | <u><i>L. R. Norderhaug</i></u> | <u>2/25/80</u> |
| | L. R. Norderhaug, Chief, Safeguards Branch | Date Signed |

Inspection Summary:

Areas Inspected: The licensee was inspected for compliance with applicable sections of the regulations. The inspection involved 18 inspector-hours onsite by two NRC inspectors.

Results: No items of noncompliance were identified in the areas inspected.

REPORT DETAILS

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 APPROVAL OF I&V

1. Persons Contacted

- *C. E. Ashbaugh, III, Physical Security Officer
- *Dr. I. Catton, Director, N.E.L.
- *J. Evraets, Radiological Safety Officer
- *J. Hornor, Health Physicist
- *N. Ostrander, Manager, N.E.L.
- *Dr. W. Wegst, Director, Office of Research & Occupational Safety
- A. Zane, Reactor Supervisor

*Denotes attendance at the exit interview.

2. Licensee Action on Previous Inspection Findings

There were no items of noncompliance noted on the previous inspection.
 (Report 77-02, 77-03)

3. Exit Interview

The inspectors met with licensee representatives (denoted in Paragraph 1) at the conclusion of the inspection on February 12, 1980. The inspectors summarized the scope and findings of the inspection. Several items of interest were brought to the attention of the licensee. It was pointed out that it would be desirable to have a more detailed written procedure for taking a physical inventory of all special nuclear material (SNM) possessed by the licensee. With respect to the spent fuel bundles that are expected to be shipped for reprocessing, it was suggested that the licensee formally request the reprocessor to obtain and submit to the licensee a listing of the plate serial numbers comprising each bundle.

4. Storage and Internal Control

Records maintained for in-reactor and storage were reviewed.

No items of noncompliance were identified.

5. Inventory

An inventory of stored fresh fuel bundles, by serial number, and scrap, by weight, was conducted. Spent fuel elements were identified by piece count at specific locations

Plutonium-Beryllium sources were identified by serial number. Except for a small amount of burnup, the total SNM inventory has not changed since the last inspection.

The cumulative burnup to January 1, 1980 is approximately 21.4 gms. U-235. A conservative estimate of Pu-239 production to January 1, 1980 is 0.013 gms; a nonreportable quantity.

No items of noncompliance were identified.

6. Records and Reports

The licensee's special nuclear material accounting records, reports and other documentation applicable to the period December, 1977 through February 11, 1980 were reviewed for compliance with the records and reports requirements of the regulations.

No items of noncompliance were identified.

NO OTHER RELEVANT INFORMATION

UNIVERSITY OF CALIFORNIA, LOS ANGELES

BERKELEY - DAVIS - IRVINE - LOS ANGELES - RIVERSIDE - SAN DIEGO - SAN FRANCISCO



2567 Boelter Hall
SCHOOL OF ENGINEERING AND APPLIED SCIENCE
LOS ANGELES, CALIFORNIA 90024

29 May 1980

R. H. Engelken, Director
U.S. Nuclear Regulatory Commission, Region V
1990 N. California Blvd.
Suite 202, Walnut Creek Plaza
Walnut Creek, California 94596

Docket 50-142
License R-71

Dear Mr. Engleken:

The attached letter to Mr. Lohse (Exxon Nuclear) forwards a request for serial number identification. This is in fulfillment of a verbal request made to us on February 12, 1980 by Mr. G. H. Hamada of your office.

This will also advise you of our intent to ship a small quantity of spent fuel from UCLA to Exxon Nuclear on June 21, 1980.

Sincerely,

Neill C. Ostrander

Neill C. Ostrander, Manager
Nuclear Energy Laboratory

NCO/jb

enc.

cc: Dr. Walter F. Wegst, Director
Research and Occupational Safety
Office of Campus Community Safety
UCLA
C. E. Ashbaugh, Security Officer
Nuclear Energy Laboratory
UCLA

8204020275



2567 Boelter Hall

SCHOOL OF ENGINEERING AND APPLIED SCIENCE
LOS ANGELES, CALIFORNIA 90024

29 May 1980

Mr. G. E. Lohse, Manager
Production Department
Fuel Receiving and Utilities
Exxon Nuclear Idaho Co., Inc.
P.O. Box 2800
Idaho Falls, Idaho 83401

Dear Mr. Lohse:

A completed, but unsigned copy of DOE/NRC Form Number 741 is enclosed. Your comments concerning its completeness and correctness will be appreciated.

As I mentioned on the telephone, we would like Exxon, if possible, to attempt to determine the serial numbers of the individual fuel plates in our shipment.

We, and the NRC, would like to remove the list. from our inventory

We are still trying for June 21 as the shipping date from UCLA.

Sincerely,

Neill C. Ostrander

Neill C. Ostrander, Manager
Nuclear Energy Laboratory

NCO/jb

cc: R. H. Engelken, USNRC, Region V
C. E. Ashbaugh, NEL, UCLA

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