

U. S. NUCLEAR REGULATORY COMMISSION

REGION V

Report No. 50-394/84-02

Docket No. 50-394

License No. R-121

Licensee: California Polytechnic State University
San Luis Obispo, California 93407

Facility Name: AGN-201 Training Reactor

Inspection at: San Luis Obispo, California

Inspection conducted: November 15, 1984

Inspectors:

E. M. Garcia
E. M. Garcia, Radiation Specialist

11/23/84
Date Signed

Approved by:

G. P. Yuhas
G. P. Yuhas, Chief, Facilities Radiological
Protection Section

11/23/84
Date Signed

Summary:

Inspection on November 15, 1984 (Report No. 50-394/84-02)

Areas Inspected: Announced inspection to examine the licensee's progress in implementing the dismantling order including disposition of reactor fuel, reactor components, and facility decontamination. The inspection involved five hours onsite by one inspector.

Results: No violations or deviations were identified

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DETAILS

1. Persons Contacted

R. Brug, Director of Public Safety
T. Shell, Assistant Director of Public Safety, Radiation Safety Officer

2. Status of Dismantling

The reactor has been dismantled and the fuel shipped to the Department of Energy. Radioactively contaminated components have been shipped to a radioactive materials disposal site. Radiation contamination surveys are being made of materials, supplies and surfaces in the former reactor facility. More than 2500 measurements for fixed and removable contamination have been made by the licensee. These measurements are for beta and gamma radiation. So far only a washer has been identified as being contaminated. The inspector observed that the instruments used had been calibrated. The licensee estimated that at least 12 more person-days of survey work remained to be done. Due to other demands on time, the remaining survey work was not expected to be completed until some time during the first quarter of 1985.

The personnel dosimetry records for the time period of the reactor dismantling were examined. No exposures above background were recorded. The licensee was encouraged to preserve the personnel exposure records by submitting them to the Office of Nuclear Regulatory Research, USNRC. The licensee stated that they would retain the personnel exposure records as part of their continuing state license program.

Based on discussions with the licensee it was determined that radioactively contaminated waste had not been buried at the site, and that there was no intention to bury any radioactive waste that may be generated at the site.

The inspector conducted a preliminary radiation survey of the facility. No areas where the dose rate exceeded background were identified. This survey was conducted using an NRC, Eberline Micro-R meter, serial number 510. This instrument was calibrated on June 28, 1984. A more detailed survey of the facility will be performed after the licensee submits the final survey results (84-02-01, Open).

The documentation associated with shipment of the fuel was not readily available during the inspection. Documents not available included certification of shipping packages, the results of package inspections and test prior to shipment, signed copies of the packaging checklist, and copies of the shipping manifest and the associated radiation and contamination survey. This matter was left as an unresolved item and was discussed during the exit interview. (84-02-02, Open)

No violations or deviations were identified.

3. Unresolved Items

An unresolved item is a matter about which more information is required in order to ascertain whether it is an acceptable item, an open item, a deviation, or a violation. An unresolved item was identified in paragraph 2.

4. Exit Interview

At the conclusion of the inspection the inspector met with the individuals denoted in paragraph 1. The findings of the inspection were discussed. The licensee was informed that no violations or deviations had been identified.