



February 21, 1991

Document Control Center
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

Dear Sir/Madam:

Enclosed you will find a copy of the Annual Operating Report for the University of Utah AGN-201M Reactor, License R-25, Docket 50-77, for the period 1 January 1990 through 31 December 1990. This report fulfills AGN Technical Specification 6.9.1.

If you have any questions concerning the report please contact the staff at the facility.

Sincerely,

Dietrich K. Gehmlich
Reactor Administrator

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The University of Utah
AGN 201M Reactor No. 1,1
License R-25, Docket No. 5 J-72
Annual Operating Report for 1990

A. Facility Modifications:

None.

B. Results of Tests and Inspections:

Surveillance of the reactor has continued despite preliminary decommissioning activities. Inspections included monthly visual inspections and monitoring of radiation levels in the vicinity of the reactor and the periodic sampling and analysis of shielding water to determine the presence of any radioactive materials. These inspections showed no evidence of water leakage, excessive corrosion, release of fission products, or unusual radiation levels. Fuel has been removed from the reactor and is being stored under lock and key in approved fuel storage pits pending transfer to the Department of Energy. Periodic inventory and surveillance of the fuel is being performed. Because the AGN reactor has not been operated since February, 1985, and since we are presently awaiting approval to decommission the reactor, none of the operational surveillance activities enumerated in Section 4 of the AGN Technical Specifications are required as provided in Section 4.0. However, surveillance for retention of radioactive materials is being performed.

Corrective Maintenance:

None.

D. Energy Produced:

Since February 1985 - zero.

E. Unscheduled Shutdowns:

None.

F. Reactor Safety Committee Action:

1. The RSC is currently comprised of the following members:

Dietrich K. Gehmlich - Reactor Administrator
Gary M. Sandquist - Director, UUNEL and AGN Reactor Supervisor
Keith J. Schiager - Radiation Safety Officer
Kevan C. Crawford
James M. Byrne
Vern C. Rogers
John S. Bennion

2. Personnel radiation exposures and radiation surveys have been reviewed and approved. All exposures and surveys have been within nominal background levels.

3. The RSC reviewed and audited all documentation of preliminary decommissioning activities completed to date. These activities were associated with defueling the reactor and preparing it for safe-storage until approval is granted by NRC to proceed with final decommissioning procedures.
4. The RSC reviewed and approved the Decommissioning Plan (DP) for the AGN reactor. The DP was submitted to NRC for review on 17 July 1990.

G. Summary of Changes Reportable under 10 CFR 50.59:

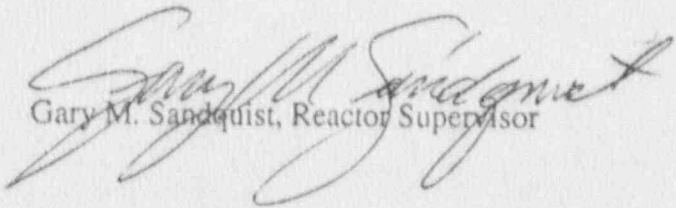
As provided by AGN Technical Specification 4.0, certain surveillance activities have been discontinued since the reactor is not operable. Fuel has been removed from the reactor and is being stored under lock and key in approved fuel storage pits pending transfer to DOE. Periodic inventory and surveillance of the fuel is being performed.

The DOE has authorized the request for shipment of the fuel to the DOE facility at Oak Ridge, Tennessee. Arrangements for the shipment have been made with the assistance of the DOE Idaho Operations Office. It is anticipated that the fuel will be shipped off-site in early February 1991.

H. Reportable Occurrences:

None.

Report submitted by:


Gary M. Sandquist, Reactor Supervisor