



The University of New Mexico

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September 20, 2000

Marvin M. Mendoca  
Senior Project Manager  
Non-Power Reactors and Decommissioning Project Directorate  
Office of Nuclear Reactor Regulation  
U.S. Nuclear Regulatory Commission  
Washington D.C. 20555-0001

Dear Mr. Mendoca;

Enclosed is the 2000 Annual Report for the AGN-201M reactor located at the University of New Mexico - Docket 50-252.

Sincerely,

Robert D. Busch, Ph.D, P.E.  
Chief Reactor Supervisor

Norman F. Roderick, Ph.D.  
Reactor Administrator

cc: Document Control Desk, USNRC

A020

REPORT ON FACILITY LICENSE NO. R-102

THE UNIVERSITY OF NEW MEXICO

JULY 1, 1999 - JUNE 30,2000

The University of New Mexico's AGN-201M reactor was used for some research during the 1999-2000. This was a continuation of the research from the previous year and involved subcritical multiplication and die-away measurements at power level below 1 microWatt. Some new research was done determining beta-effective and irradiating Antimony samples for the US Air Force. There were no changes in facility design, performance characteristics, or operating procedures related to reactor safety during the reporting period. The NRC did an on-site review of the facility in February 2000 and found no significant safety issues.

The AGN-201M Reactor Facility is an essential part of our educational program, including public education, and continues to serve us well. The use of the reactor from July of 1999 through June of 2000 was as follows:

Type of Use	July 99 - June 00 Hours	July 99 - June 00 Watt-hours
Class Demonstrations	3.00	9.00
Faculty Research	11.10	43.57
Graduate Student Research	0.00	0.00
Maintenance and Equipment Check	8.00	0.00
Operator Training and Requalification	6.25	11.00
Teaching	38.35	87.71
Totals for the Year	66.70	151.28

There were no unscheduled shutdowns during the reporting period. During the annual maintenance on August 9, 1999, it was discovered that the aluminum can containing the detector for channel #1 was slightly corroded. The can was removed, cleaned, a new top machined and welded to it. Then the entire can was coated with submarine cooler coating and sealed with plumber's goop. The can was then replaced. There was no impact on safety implications during the repair time as Channel #1 is not a safety channel. Cans for the two safety channels were inspected and found to be free of corrosion. These cans will be inspected as part of the annual maintenance each year.

There were no changes to the facility as it is described in the application for license and amendments thereto, nor were there any changes to the procedures as described in Facility Technical Specifications. No new experiments were performed during the reporting period.

There were no 10 CFR 50.59 issues during the reporting period. During the reporting period, there was no liquid radioactive waste released from the facility nor was there any solid waste released. There were no environmental radiation surveys performed outside the facility. All personnel exposures received during the reporting period were below 50 mrem per person with the majority of personnel receiving below 5 mrem. No facility visitors received measurable exposures.

The following personnel assignments for the reporting period are summarized below:

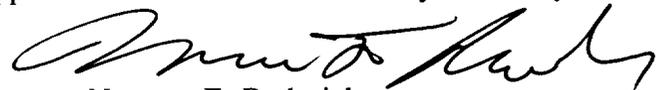
Dean, College of Engineering	Paul Fleury
Chairman, Department of Chemical and Nuclear Engineering	Joseph Cecchi
Reactor Administrator	Norman F. Roderick
Chief Reactor Supervisor	Robert D. Busch
USNRC-licensed Senior Reactor Operators	Robert D. Busch Ken Carpenter Gary Cooper

The current makeup of the Reactor Safety Advisory Committee is:

Robert Jefferson  
Ron Knief  
Robert Long  
Ted Schmidt  
David Summers

with one vacant position.

The University of New Mexico's AGN-201M reactor continues to be used extensively for teaching experiments as a part of our undergraduate and graduate programs. These experiments include approach-to-critical, reactor period and reactivity measurements, importance functions measurements, sample activation, control rod calibrations, and reactor power and neutron fluence measurements. The reactor is also used throughout the Fall, Spring and Summer sessions of the University. All experiments have received prior approval from our Reactor Safety Advisory Committee.



Norman F. Roderick  
Reactor Administrator