



The University of New Mexico

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September 20, 2001

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 2001 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, 2000 - JUNE 30,2001

The University of New Mexico's AGN-201M reactor was used for some research during the 2000-2001. 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. 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 January 2001 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 2000 through June of 2001 was as follows:

| Type of Use                           | July 00 - June 01<br>Hours | July 00 - June 01<br>Watt-hours |
|---------------------------------------|----------------------------|---------------------------------|
| Class Demonstrations                  | 1.70                       | 5.40                            |
| Faculty Research                      | 3.00                       | 0.00                            |
| Graduate Student Research             | 0.00                       | 0.00                            |
| Maintenance and Equipment Check       | 12.50                      | 15.00                           |
| Operator Training and Requalification | 7.50                       | 17.50                           |
| Teaching                              | 31.50                      | 55.99                           |
| Totals for the Year                   | 56.20                      | 93.89                           |

There were no unscheduled shutdowns during the reporting period. During the annual maintenance on August 18, 2000, the replaced aluminum can containing the detector for channel #1 was re-inspected and found to be in good condition. All detector cans will be inspected again as part of the 2001 annual maintenance.

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.

Dr. Fleury left and has been replaced by Dr. Cecchi as Dean. Dr. Roderick has assumed the interim chair position until a permanent chairman for the Department is found. The current personnel assignments are:

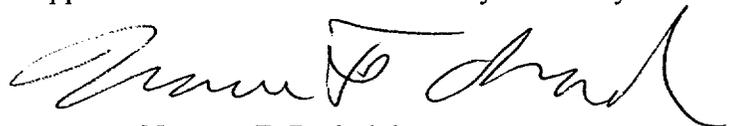
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|--|---|
| Dean, College of Engineering                                     | Joseph Cecchi                                   |
| Interim Chairman, Department of Chemical and Nuclear Engineering | Norman F. Roderick                              |
| Reactor Administrator  | Norman F. Roderick                              |
| Chief Reactor Supervisor   | Robert D. Busch                                 |
| USNRC-licensed Senior Reactor Operators                          | Robert D. Busch<br>Ken Carpenter<br>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