UNM

Chemical & Nuclear Engineering

August 10, 2009

Director, Office of Nuclear Reactor Regulation
U.S. Nuclear Regulatory Commission
ATTN: Document Control Desk
Washington, DC 20555-0001

Enclosed is the 2009 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

Anil K. Prinja, Ph.D.
Reactor Administrator

cc: *Linh Tran*

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NRR

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REPORT ON FACILITY LICENSE NO. R-102

THE UNIVERSITY OF NEW MEXICO

JULY 1, 2008 - JUNE 30, 2009

The University of New Mexico's AGN-201M reactor was not used for research during 2008-2009. 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 March 2009 and found no safety concerns or noncompliance 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 2008 through June of 2009 was as follows:

Type of Use	July 08 - June 09 Hours	July 08 - June 09 Watt-hours
Class Demonstrations	3.3	7.1
Faculty Research	0.0	0.0
Graduate Student Research	0.0	0.0
Maintenance and Equipment Check	62.3	0.0
Operator Training and Requalification	13.5	30.1
Teaching	64.8	155.3
Totals for the Year	143.9	192.5

During the annual maintenance in August 2008, we checked the detector cans and found the poly containers for Channel 1, Channel 2, and Channel 3 to be in good condition. The poly containers appear to be holding up well in the water environment. All detector cans will be inspected again as part of the 2009 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.

The current personnel assignments are (as of July 24, 2009):

Dean, School of Engineering	Arup Maji
Chair, Department of Chemical and Nuclear Engineering	Tim L. Ward
Reactor Administrator	Anil K. Prinja
Chief Reactor Supervisor	Robert D. Busch
USNRC-licensed Senior Reactor Operators	Robert D. Busch Ken Carpenter Gary Cooper

The makeup of the Reactor Safety Advisory Committee as of June 30, 2009 is:

James Bryson
Ron Knief
Robert Long
Ted Schmidt
David Summers

There are currently two vacant positions on the committee as Robert Long passed away on July 9, 2009. His expertise and long-term experience with the UNM Agn-201M will be sorely missed.

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.

Anil K. Prinja
Reactor Administrator