



UNM

SCHOOL of ENGINEERING

Department of Nuclear Engineering

August 31, 2016

Document Control Desk
U.S. Nuclear Regulatory Commission
Washington, DC 20555-0001

Enclosed is the 2016 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

Gary W. Cooper, Ph.D.
Reactor Administrator

cc: ~~Margaret Watford, Margaret.Watford@nrc.gov~~ ROB
Eben Allen, Eben.Allen@nrc.gov

ADZD
NRB

REPORT ON FACILITY LICENSE NO. R-102

THE UNIVERSITY OF NEW MEXICO

JULY 1, 2015 - JUNE 30, 2016

The University of New Mexico's AGN-201M reactor was only used for teaching and training during 2015-2016. There were no changes in facility design, performance characteristics, or operating procedures related to reactor safety during the reporting period.

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 2015 through June of 2016 was as follows:

Type of Use	July 15 - June 16 Hours	July 15 - June 16 Watt-hours
Class Demonstrations	0.0	0.0
Faculty Research	0.0	0.0
Graduate Student Research	0.0	0.0
Maintenance and Equipment Check	29.0	0.0
Operator Training and Requalification	21.2	54.7
Teaching	115.1	292.7
Totals for the Year	165.3	347.5

During the annual maintenance in August 2015, 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 2016 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. The annual environmental radiation surveys was performed and is attached to this report. All personnel exposures 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.

As of August 15, 2015, Dr. Gary Cooper replaced Dr. Anil Prinja as the Reactor Administrator. Dr. Prinja has been appointed permanent Chair of the Department of Nuclear Engineering at the University of New Mexico. The current personnel assignments are (as of July 1, 2016):

Chair, Dept. of Nuclear Engineering	Anil K. Prinja
Reactor Administrator	Gary W. Cooper
Chief Reactor Supervisor	Robert D. Busch
USNRC-licensed Senior Reactor Operators	Robert D. Busch Ken Carpenter Gary Cooper
USNRC-licensed Reactor Operators	Jedediah Styron Nathan Toleman
Reactor Operators (inactive)	none

The makeup of the Reactor Safety Advisory Committee as of June 30, 2016 is:

James Bryson
Matt Burger
Charles Harmon II
David Hayes
Ron Knief
Ted Schmidt
David Summers

There are currently no vacant positions on the committee.

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.

A handwritten signature in black ink, appearing to read "Gary W. Cooper", with a long horizontal stroke at the end.

Gary W. Cooper
Reactor Administrator