

REPORT ON FACILITY LICENSE NO. R-102

THE UNIVERSITY OF NEW MEXICO

JULY 1, 1994 - JUNE 30, 1995

The University of New Mexico's AGN-201M reactor was used for some research during the summer of 1994. The experiments had prior approval from our Reactor Safeguards Advisory Committee. During a monthly maintenance check in October 1994, it was discovered that one of the safety channels, Channel 2, was not operating properly. A check of the instrument indicated that the electronics driving the meter and the trip circuits was not functioning. An attempt to get replacement parts for the electronics was unsuccessful as the electronics were 1970 vintage and no longer available. It was then decided to replace the channel with a new one, on hand, made by the same company but without integral trip circuitry. This equipment had been purchased as part of the DOE instrumentation upgrade so we decided to pursue the changes in the technical specifications which would be required to implement the complete upgrade. A revised set of technical specifications was submitted in mid-December 1994 with clarifications and other materials submitted at various times in 1995. As of June 30, 1995, the revised technical specifications are under review with NRC. Since the problem with the electronics was discovered in October 1994 until June 30, 1995 the reactor has not been operated because the replacement equipment does not comply with the technical specifications as originally approved. When the revised technical specifications are approved, the new equipment will be tested and verified for similar operation and we will resume use of the facility for teaching experiments as a part of our undergraduate and graduate programs.

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

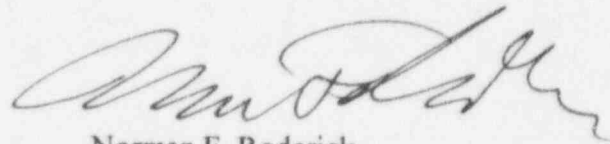
Dean, College of Engineering	Nasir Ahmed
Chairman, Department of Chemical and Nuclear Engineering	Joseph Cecchi
Reactor Administrator	Norman F. Roderick
Chief Reactor Supervisor	Robert D. Busch
USNRC-licensed Senior Reactor Operators	Robert D. Busch Ken Carpenter Gary Cooper

Reactor Safety  
Advisory Committee

Robert Jefferson  
R. Douglas O'Dell  
Ted Schmidt  
David Summers  
Ron Knief

The AGN-201M Reactor Facility is an essential part of our educational program, including public education, and should continue to serve us well when we complete the upgrades. The use of the reactor from July of 1994 through June of 1995 was as follows:

<u>Type of Use</u>	<u>July 94 - June 95 Hours</u>
Faculty Research	12
Teaching	0
Operator Training and Requalification	0
Graduate Student Research	0
Class Demonstration	<u>0</u>
Total for Year	12



Norman F. Roderick  
Reactor Administrator