Annual Operating Report 1981 AGN 201N Reactor No. 107 University of Utah License R-25 Docket #50-72

## A. Operations Summary

1. Changes in facility design: None

2. Performance Characteristics: Operation Nominal

3. Changes in Operating Procedure: None

4. Results of Surveillance Tests:

1/17/81

.62 watts - Ch#1 Exceeds range

 $Ch#2 8x10^{-9} amps.$ 

 $Ch#3 1.5x10^{-8}$  amps.

2/28/81

Control Rod p = \$1.98

Control ans Safety #2 p ≈ \$3.67 Control Safeties #1&2 p ≈ \$6.71 Excess Reactivity  $\Delta p \approx $1.00$ Shutdown Margin p ≈ \$3.67

5. Summary of Changes (50.59a): None

6. Changes in Staff:

Richard E. Turley was replaced by Harold R. Jacobs as Reactor Administrator

Craig M. Jensen was replaced by Kevan C. Crawford as Senior Reactor Engineer

Members of the Reactor Safety Committee include: H.R. Jacobs, G.M. Sandquist, K.C. Crawford, R. Lloyd, R.C. Pendleton, and J.M. Byrne

B. The Reactor Operated for 3.6 Hours for .64 Watt Hours.

## C. Shutdown

2/28/81 A.C. Power fluctuation caused scram. No scram indicated

on instruments magnet power still on.

2/28/81 Another scram caused by power fluctuation.

3/3/81 Reactor manually scramed. Recorder failed.

## D. Maintenance

1/20/81	Radiation survey	and gene	eral equipment	inspection.
1/27/81	Down colibration			

Power calibration.

1/26/81 Scram interlock checks and monthly checks. 2/28/81 Rod drop calibrations and monthly checks.

- Changes, Tests, and Experiments (50.59): None
- Radioactive Effluent Release: None F.
- G. Radiological Survey: Measurements performed monthly show no increase over background.
- H. Radiation Exposure Over 100 mRem. None

Report Submitted by: andquist

M. Sandquist Reactor Supervisor