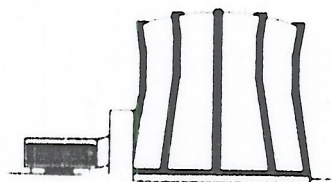


50-128

TEXAS ENGINEERING EXPERIMENT STATION

TEXAS A&M UNIVERSITY  
COLLEGE STATION, TEXAS 77843-3575



NUCLE/ SCIENCE CENTER  
409/845-7551

99-0231

September 23, 1999

U.S. Nuclear Regulatory Commission  
ATTEN: Document Control Desk  
Washington, DC 20555

Subject: Submission of Pressure Measurement Result

Reference: Texas A&M University Nuclear Science Center Letter #99-0204

Dear Sir,

In accordance with the telephone communication between NRC (Ted Michaels, et al.) and NSC (Chan-Hyeong Kim) on September 22, 1999, the NSC is submitting the measurement result of the gas pressure in the irradiation chamber side of the Xenon irradiation device.

Recently, the gas pressure of the irradiation chamber side was measured several times with 1.0 liter of Xenon gas in the chamber. The initial pressure was 15 psi. As the irradiation device is irradiated in front of the NSC reactor at 1.0 MW, the pressure increased and reached an equilibrium pressure of 25 psi within 50 minutes. Noting that the most heat comes from the stainless steel chamber wall, the pressure for 5 liters of Xenon can be easily calculated by multiplying the value by 5. Therefore, the expected pressure for 5 liters of xenon is ~125 psi, which is still much lower than the design limit of the device (300 psi).

Sincerely,

Chan-Hyeong Kim  
Acting Assistant Director

CHK/tll

xc: 12110/Central File  
Dr. W. D. Reece, Director  
Theodore Michaels USNRC

1/0

A020

9909300098 990923  
PDR ADOCK 03000128  
PDR