

APPENDIX B

NOTICE OF DEVIATION

West Virginia University

License Nos. 47-01163-20 and
47-01163-22

Based on the results of the NRC inspection conducted on May 19, 1982, certain of your activities appear to deviate from generally accepted industry practices as indicated below.

Recommended practice of the National Fire Protection Association (Volume 16 of the National Fire Codes-1980, Page 801-23, §3.4) states "The presence of radioactive materials accents the need for the exercise of every precaution in the storage of materials which are hazardous because of flammability, combustibility, or reactivity. Automatic sprinkler protection provides the best means for controlling fires involving combustible occupancies and should be provided unless it can be shown that their operation will definitely create a situation more hazardous than that brought about by uncontrolled fire. It is very important that radioactive materials not be stored in the same area as other materials, especially if either are flammable or combustible in nature."

Contrary to the above, automatic sprinkler protection has not been provided, nor has the waste been segregated from other materials. Combustible vapors from the liquid scintillation fluid could contribute to an unusually hot fire.