

August 29, 2011

MEMORANDUM TO: Jeffrey Cruz, Chief  
AP1000 Projects Branch 1  
Division of New Reactor Licensing  
Office of New Reactors

FROM: Robert K. Johnson, Chief **/RA/**  
Fuel Manufacturing Branch  
Division of Fuel Cycle Safety  
and Safeguards  
Office of Nuclear Material Safety  
and Safeguards

SUBJECT: DOCUMENTATION SUPPORTING THE OFFICE OF NUCLEAR  
MATERIAL SAFETY AND SAFEGUARDS REVIEW AND  
CONCURRENCE OF SECTION 1.5.5 OF SUMMER UNITS 2  
AND 3 THE FINAL SAFETY EVALUATION REPORT

This memorandum transmits the documentation supporting the staff reviews of Section 1.5.5 of the Final Safety Evaluation Report (FSER): *"Receipt, Possession, and Use of Source, Byproduct and Special Nuclear Material Authorized by Title 10 of the Code of Federal Regulations Part 52 Combined Licenses, for the V. C. Summer Nuclear Station Units 2 and 3."* The staff reviews were based on the portions of the FSER, Section 1.5.5, related to the Part 70 requirements for radiation protection, nuclear criticality safety, fire protection, and environmental protection, as they apply to receipt and storage of fresh fuel elements for the first reactor core. The enclosed staff reviews provided the bases for my concurrence on our portion of the FSER, Section 1.5.5 that was e-mailed to Joe Sebrosky on August 16, 2011.

Enclosures:

1. Radiation Protection
2. Nuclear Criticality Safety
3. Fire Safety
4. Environmental Protection

Docket Nos. 52-27, 52-28

CONTACT: F. Stan Echols, NMSS/FCSS  
301-492-3109

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