May 7, 2009

Gerard Couture, Licensing Project Manager
Westinghouse Electric Company
Nuclear Fuel - Columbia Site
5801 Bluff Rd.
Columbia, SC 29250

SUBJECT: STANDARD REVIEW PLAN FOR STRUCTURAL REVIEWS

Dear Mr. Couture:

Westinghouse intends to construct a building for a new dry conversion process (DCP). Several DCP technologies exist. Though Westinghouse has not decided on a specific technology, the building for the DPC can be designed and constructed. When the DCP technology is selected, pipes, electrical lines, and supports can be designed and installed at a later date.

Lacking a specific DCP process, an integrated safety analysis cannot be done to determine the items relied on for safety (IROFS). At present, Westinghouse does not intend to declare the DPC building itself as an IROFS.

You stated that, while facility engineers can cite applicable building codes, the design staff would benefit from understanding the manner in which the U. S. Nuclear Regulatory Commission (NRC) staff would conduct a review of a proposed design. Title 10 of the *Code of Federal Regulations* (10 CFR), Part 70.64, understandably states general requirements, not specific requirements about a baseline design basis. Similarly, NUREG-1520, "Standard Review Plan For the Review of a License Application for a Fuel Cycle Facility," is general.

During several telephone conversations, you asked me about how NRC staff conducts a structural review of a proposed fuel cycle building. Reference 1 (enclosed) is a document that is used by structural reviewers. I have also enclosed Reference 2 that may be of use.

A proposed designed for the building would have to be approved by NRC through the license amendment process. This letter does not make any implications about an amendment submittal of a DPC building. Another license amendment will be needed when the DCP technology is chosen.

<u>References</u>

1. “Final Review Plan for Structural Design Review of The Louisiana Energy Services National Enrichment Facility, Lea County, New Mexico.” Center for Nuclear Waste Regulatory Analyses, San Antonio, Texas. March 2007.

2. “Final Review Plan For Seismic And Geotechnical Hazards Assessment Of Mixed Oxide Fuel Fabrication Facility, Savannah River Site, South Carolina. “Center for Nuclear Waste Regulatory Analysis,” May 2001.

If you have any questions, please feel free to reach me by telephone at (301)-492-3189, or via e- mail to Christopher.Ryder@nrc.gov.

In accordance with 10 CFR 2.390 of the NRC's "Rules of Practice," a copy of this letter and its enclosure will be available electronically for public inspection in the NRC Public Document Room or from the Publicly Available Records component of NRC's Agencywide Documents Access and Management System (ADAMS). ADAMS is accessible through the NRC Web site at http://www.nrc.gov/reading-rm/adams.html (the Public Electronic Reading Room).

Sincerely,

/RA/

Christopher Ryder, Project Manager
Fuel Manufacturing Branch
Fuel Facility Licensing Directorate
Division of Fuel Cycle Safety
and Safeguards
Office of Nuclear Material Safety
and Safeguards

Enclosures:
As stated

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/RA/

Christopher Ryder, Project Manager
Fuel Manufacturing Branch
Fuel Facility Licensing Directorate
Division of Fuel Cycle Safety
and Safeguards
Office of Nuclear Material Safety
and Safeguards

Enclosures:
As stated

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