

July 26, 2007

MEMORANDUM TO: Brent Clayton, Chief  
Environmental Technical Support Branch  
Division of Site and Environmental Reviews  
Office of New Reactors

FROM: James E. Lyons, Director */RA/*  
Division of Site and Environmental Reviews  
Office of New Reactors

SUBJECT: TRANSMITTAL OF PROPOSED REVISION TO ENVIRONMENTAL  
STANDARD REVIEW PLAN NUREG-1555 REV 1 OF SECTION 5.7 and  
REV 0 OF SECTION 5.7.1

The purpose of this memorandum is to transmit the proposed revisions to NUREG-1555, Environmental Standard Review Plan (ESRP), Section 5.7, Rev. 1, "Uranium Fuel Cycle and Transportation Impacts" and the proposed initial issuance of Section 5.7.1, "Uranium Fuel Cycle Impacts." These documents are technically complete, reformatted following the guidelines in LIC-200, "Standard Review Plan Process," and are designated "publically available."

This revision involves the division of former section 5.7 into two new sections, 5.7 and 5.7.1. (Another new section, Rev. 0 of 5.7.2 "Transportation of Radioactive Materials," is being introduced in a separate package.) Rev. 1 of section 5.7 is basically an introduction to the two subsections, 5.7.1 and 5.7.2 and the Appendix of former section 5.7 which describes the technical aspects of the review in detail has been moved from 5.7 to 5.7.1. These revisions update the version of the ESRP that was published in March 2000.

Other changes to these sections that the staff are proposing are summarized in a change description list, which is included in the background portion of this package together with a redline strikeout copy of both sections. The changes indicated in 5.7.1 are those that were made to Rev. 0 of 5.7 to create the new section. Highlighted text in the included sections indicate technical information that has been added which was not in the Rev. 0 version of 5.7.

In addition, these revisions have been administratively updated using the guidance in NRR Office Instruction, LIC-200. The administrative update is comprised of assigning the review responsibilities by function, with the responsible organizations maintained separately from the ESRP itself to minimize impacts of office reorganizations, and editorial and formatting changes. There were also changes to each of the ESRP sections updating the list of applicable regulations and acceptance criteria.

CONTACT: Andrew Kugler, NRO/DSER/RAP2  
301-415-2828

This memo and its enclosures will be made publicly available as a preliminary ESRP section revision. It will be formally published following reconciliation against the ongoing Part 52 rule-makings and regulatory guide updates, including the planned update to RG 4.2, "Preparation of Environmental Reports for Nuclear Power Stations." After formal issuance, the ESRP will be available for public comment. Comment resolution will be addressed in subsequent ESRP revisions. Prior to revision to individual sections, comment resolution may establish a basis for how alternatives to the NUREG-1555 acceptance criteria provide an acceptable method of complying with the NRC's regulations.

For questions concerning these documents, please contact Andy Kugler at 301-415-2828.

Enclosures: As stated

cc: w/encl.

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Enclosure