

July 20, 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 SECTIONS 3.7, 4.1.1, 4.1.2, AND 5.1.2

The purpose of this memorandum is to transmit the proposed revisions to NUREG-1555, Environmental Standard Review Plan (ESRP), Sections 3.7, Rev. 1, "Power Transmission System", 4.1.1, Rev. 1, "The Site and Vicinity", 4.1.2, Rev. 1, "Transmission Corridors and Offsite Areas" and 5.1.2, Rev. 1, "Transmission Corridors and Offsite Areas". These documents are technically complete, reformatted following the guidelines in LIC-200, "Standard Review Plan Process," and are designated "publically available."

The present revisions update the versions of these documents that were published in March 2000. The revised portions of the ESRP Sections have been highlighted to aid in identifying the technical information that has been added or revised.

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.

The technical changes that the staff is proposing are summarized in change description lists which are included in the background section with a redline strikeout copy of each ESRP section. 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

Most of the changes to sections 4.1.1, 4.1.2 and 5.1.2 are clarifications. More substantive changes include: 1) deletion of information pertaining to site redress, which will be covered in new ESRP section 4.8; and 2) the addition of paragraphs covering transmission line construction by an entity other than the applicant. Section 3.7 incurred several technical changes, including: 1) addition of information to resolve uncertainties that might result from deregulation, including establishing procedures and standards related to interconnection systems that are impacted by deregulation; 2) addition of reference to 18 CFR to capture transmission line siting procedure for merchant plants; 3) deletion of references not applicable for ESPs, CPs, and COLs; and 4) deletion of the direction to obtain and review design details of the transmission system equipment (e.g., transmission line towers).

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 rulemakings 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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