

August 29, 2014

MEMORANDUM TO: Mark A. Satorius  
Executive Director for Operations

FROM: Annette L. Vietti-Cook, Secretary **/RA/**

SUBJECT: STAFF REQUIREMENTS – SECY-14-0016 – ONGOING STAFF  
ACTIVITIES TO ASSESS REGULATORY CONSIDERATIONS FOR  
POWER REACTOR SUBSEQUENT LICENSE RENEWAL

The Commission has not approved the staff's recommendation to initiate rulemaking for power reactor subsequent license renewal.

The staff should continue to update license renewal guidance, as needed, to provide additional clarity on the implementation of the license renewal regulatory framework. The staff should address emerging technical issues and operating experience through alternative vehicles (e.g., issuance of generic communications, voluntary industry initiatives, or updates to NUREG-1801, "Generic Aging Lessons Learned (GALL) Report") for Option 2, "Minor clarifications to existing 10 CFR Part 54 regulations for current and subsequent Renewals," and Option 3, "Update 10 CFR Part 54 regulations for current and subsequent renewals and pursue Option 2 clarifications" as presented in SECY-14-0016.

The staff should continue to implement the inspection enhancements described in the Reactor Oversight Process Enhancement Project (ML14017A338) related to aging management, i.e., the staff should integrate aging management inspection guidance into each existing and applicable ROP baseline inspection procedure and develop appropriate associated guidance and training. The staff should also implement the Inspection Procedure (IP) Operating Experience (OpE) Update Process. The staff should submit an information paper to the Commission by the end of 2015 reporting the progress.

The staff should keep the Commission informed on the progress in resolving the following technical issues related to SLR: reactor pressure vessel neutron embrittlement at high fluence; irradiation assisted stress corrosion cracking of reactor internals and primary system components; concrete and containment degradation, and electrical cable qualification and condition assessment. The staff should also keep the Commission informed regarding the staff's readiness for accepting an application and any further need for regulatory process changes, rulemaking, or research. The staff should continue to emphasize in communications with industry the need to strive for satisfactory resolution of these issues prior to the NRC beginning a review of any SLR application.

cc: Chairman Macfarlane  
Commissioner Svinicki  
Commissioner Magwood  
Commissioner Ostendorff  
OGC  
CFO  
OCA