

IN RESPONSE, PLEASE  
REFER TO: M100429

May 12, 2010

MEMORANDUM TO: R. W. Borchardt  
Executive Director for Operations

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

SUBJECT: STAFF REQUIREMENTS – BRIEFING ON THE FUEL CYCLE  
OVERSIGHT PROCESS REVISIONS, 9:30 A.M., THURSDAY,  
APRIL 29, 2010, COMMISSIONERS' CONFERENCE ROOM,  
ONE WHITE FLINT NORTH, ROCKVILLE, MARYLAND (OPEN  
TO PUBLIC ATTENDANCE)

The Commission was briefed by a stakeholder panel and the NRC staff on the Fuel Cycle Oversight Process revisions.

The staff should provide the Commission a concise paper comparing Integrated Safety Analyses (ISAs) for fuel cycle facilities and Probabilistic Risk Assessments (PRAs) for reactors, including a critical evaluation of how ISAs differ from PRAs. The comparison should, at a minimum, address the end states (e.g., public health effects, release of hazardous material), accident sequences leading to the end states (including hardware failures, human error, physical and chemical phenomena, fire, and plume dispersion), quantification of the accident sequences (including hardware failures, human error contributions, and uncertainties in physical and chemical phenomena), and importance measures. This paper should be submitted by October 29, 2010 to the ACRS for its review. The staff should report back to the Commission if production of this report places a significant resource impact on the staff and request an appropriate extension of time.

Additional Commission guidance on the Fuel Cycle Oversight Process will be provided in a Staff Requirements Memorandum in response to SECY-10-0031.

cc: Chairman Jaczko  
Commissioner Svinicki  
Commissioner Apostolakis  
Commissioner Magwood  
Commissioner Ostendorff  
OGC  
CFO  
OCA  
OIG  
OPA  
Office Directors, Regions, ACRS, ASLBP (via E-Mail)  
PDR