

IN RESPONSE, PLEASE  
REFER TO: M010928A

September 28, 2001

MEMORANDUM FOR: William D. Travers  
Executive Director for Operations

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

SUBJECT: STAFF REQUIREMENTS - AFFIRMATION SESSION, 9:25 A.M.,  
FRIDAY, SEPTEMBER 28, 2001, COMMISSIONERS'  
CONFERENCE ROOM, ONE WHITE FLINT NORTH,  
ROCKVILLE, MARYLAND (OPEN TO PUBLIC ATTENDANCE)

I. SECY-01-0125 - Final Rulemaking to Amend 10 CFR Part 55, "Operators' Licenses," Regarding Operator License Eligibility and the Use of Simulation Facilities in Operator Licensing; and Revision 3 of Regulatory Guide 1.149, "Nuclear Power Plant Simulation Facilities for Use in Operator Training and License Examinations"

The Commission approved a final rule which amends 10 CFR Part 55 to allow the use of simulation facilities by applicants for operator and senior operator licenses to fulfill a portion of the required experience prerequisites as an alternative to manipulation of the controls of the actual plant.

Following incorporation of the changes in the attachment, the Federal Register notice should be reviewed by the Rules Review and Directives Branch in the Office of Administration and forwarded to the Office of the Secretary for signature and publication.

(EDO)

(SECY Suspense:

10/26/01)

The staff should reassess the draft press release and Congressional letters pertaining to the final rule to ensure these documents clearly convey the NRC's basis for the rule change and adequately discuss the rule change within the context of the NRC's extensive operator training and licensing requirements. The documents should adequately reflect the significant improvements that have occurred in simulator technology since 1987.

Attachment: Changes to the Federal Register notice in SECY-01-0125

cc: Chairman Meserve  
Commissioner Dicus  
Commissioner McGaffigan  
Commissioner Merrifield  
EDO  
OGC  
CFO  
OCAA  
OCA  
OIG  
OPA  
Office Directors, Regions, ACRS, ACNW, ASLBP (via E-Mail)  
PDR

**Changes to the Federal Register Notice in SECY-01-0125**

1. On page 3, paragraph 1, revise line 1 to read '... the Commission's **regulatory** position was that ....'
2. On page 3, last paragraph, revise line 1 to read '**Since** After 1987, ~~simulation~~ technology has **allowed advances in** ~~increased~~ the simulators' ....' Revise line 4 to read '... plant. **Additionally, s** Simulator testing has ....' Revise line 5 to read '... initiated a new, **improved** ....' Revise line 7 to read '... and Examination," **which** ~~that~~ employs a ....'
3. On page 4, revise lines 5 through 8 from the top to read '... performance test failures, with a schedule for corrections, are unnecessarily burdensome for licensees. **As an alternate approach, the** ~~and can be replaced by~~ NRC **can** review of plant-referenced simulators for acceptability and of performance test results of simulation facilities before **the** simulator facility **is** ~~used~~ for operating ....'
4. On page 5, paragraph 2, revise line 2 to read '... technology and **14** ~~13~~ years of ....'
5. On page 5, last paragraph, revise line 4 to read '... commenters **stated** ~~recommended~~ that the ....' Revise line 5 to read '... test" ~~be deleted because this could~~ ....' Revise line 6 to read '... reactivity manipulations ~~to a short time just before the operating test.~~' Revise line 7 to read '... stated that **the proposed language would create** ~~this would be a~~ problem if a ....'
6. On page 6, revise line 1 from the top to read '... acknowledges **the** NEI's concern ....' Revise line 3 from the top to read '... reactivity manipulations ~~to a short time just before the operating test.~~' Revise line 8 from the top to read '... sought," **while deleting** ~~without~~ the words ....' Revise line 10 from the top to read '... outage, ~~"most recent"~~ means the core just ....'
7. On page 6, paragraph 1, revise lines 4 and 5 to read '... submitted quadrennially. **Currently licensed power reactor facilities have** ~~There are licensee-certified, plant-referenced simulators and now at all currently licensed power reactor facilities. The~~ **the** NRC staff's experience ....'
8. On page 6, last paragraph, revise line 5 to read '... ~~requirements for~~ licensees to ....' Revise line 8 to read '... failures available **for NRC review, onsite,** and ....'
9. On page 7, 1<sup>st</sup> full paragraph, revise line 4 to read '... national **industry** standard specifies ....' Revise line 6 to read '... simulators ~~as tested~~ during initial ....' Revise the last line to read '... testing and quality-control ....'
10. On page 8, paragraph 2, revise line 2 to read '... relocate the **substance** ~~provision~~ of that sentence -- a "plant-referenced ....' Revise line 4 to read '... has been designed to respond" -- to new ....'

11. On page 10, revise line 1 from the top to read ‘ ... under “Principal Reactor **Regulatory Programs**” under “Operating Licensing Program.” Additionally ....’
12. On page 10, last paragraph, revise line 9 to read ‘ ... any requested. **H**owever, the general ....’ Revise lines 10 and 11 to read ‘ ... <http://www.nrc.gov/NRC/rule.html>, under “**NRC** Rulemaking Web Site,” at “News, Information ....’
13. On page 26, insert the following as the 3<sup>rd</sup> paragraph in Section 55.31: ‘Additionally, acceptable simulator training scenarios involving control manipulations that affect reactivity are identified in Section 55.31(a)(5) for clarity by reference to current control manipulations and training scenarios described in paragraph 55.59. Consistent with previously issued regulatory guidance, the list provides examples of acceptable control manipulations, which are a subset of evolutions in 55.59(c)(3)(i), and affect reactivity in a controlled manner and exclude those items on the list that are major transients and accidents.’
14. On page 28, 2<sup>nd</sup> full paragraph, revise the last 2 lines to read ‘ ... a refueling outage, ~~“most recent” means~~ the core just ....’
15. On page 30, revise line 3 and 4 from the top to read ‘ ... requirements for simulators. ~~Which are not addressed in any industry consensus standards. With respect to certification of a simulator, the~~ **The** ....’ Revise lines 7 through 9 to read ‘ ... training and Examination” is prescriptive rather than performance-based and is more appropriate for endorsement as one acceptable means for complying with **specific parts of the** requirements of ....’ Revise lines 10 and 11 to read ‘ ... **endorses the ANSI/ANS-3.5-1998** as an acceptable method by which facility licensees might implement specific parts of this rule ~~and endorses the ANSI/ANS-3.5-1998.~~’
16. On page 32, paragraph 3, revise line 1 to read ‘ ... discussed **above** ~~below~~, the Commission ....’