

NOV 17 1976

Docket No. 50-302

MEMORANDUM FOR: John F. Stolz, Chief
 Light Water Reactors Branch No. 1
 Division of Project Management

FROM: S. S. Pawlicki, Chief
 Materials Engineering Branch

SUBJECT: INTEGRATED IRRADIATION PROGRAM FOR REACTOR VESSEL
 SURVEILLANCE SPECIMENS - CRYSTAL RIVER UNIT NO. 3 (OL) -
 DOCKET NUMBER 50-302

The Materials Integrity Section of the Materials Engineering Branch, Division of Systems Safety, has evaluated the information contained in the letter dated November 5, 1976, from Mr. J. T. Rodgers, Florida Power Company, in regard to the integrated irradiation program for the reactor vessel for the Crystal River Unit No. 3 plant.

The FSAR for this plant states in Section 4.4.5 that the governing criteria for the materials surveillance program is ASTM E 185-70, and that the program will meet the intent of Appendix H, 10 CFR Part 50.

Insufficient information is presented in Tables 1 and 2 of the subject letter for the Materials Engineering Branch to determine whether the suggested approach meets the requirements of Appendix H. We require that all specimens in the capsules be identified, and their identity be related to the material in the Crystal River Unit No. 3 reactor vessel beltline region. Of course, specimen location should also be identified in relation to the fracture toughness requirement of Appendix G, 10 CFR Part 50, and Appendix G of the ASME Code. The withdrawal schedule of the capsules in compliance with Appendix H should be related to the irradiation dosage and the anticipated shift in RT_{NDT} during the life of the Crystal River Unit No. 3 reactor vessel.

MEMO

S. S. Pawlicki, Chief
 Materials Engineering Branch
 Division of Systems Safety
 Office of Nuclear Reactor Regulation

For cc's, see
 attached sheet

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John F. Stolz

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