



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D. C. 20555

JAN 28 1982

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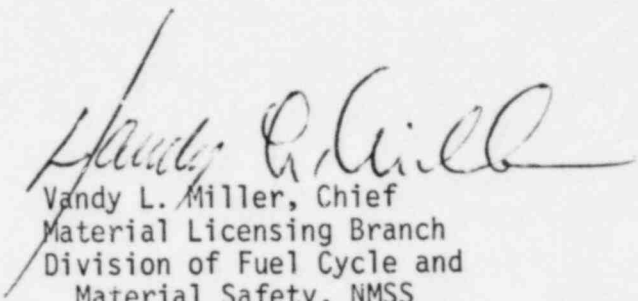
OP-713-4

MEMORANDUM FOR: Robert E. Alexander, Chief
Occupational Radiation Protection Branch
Division of Facility Operations, RES

FROM: Vandy L. Miller, Chief
Material Licensing Branch
Division of Fuel Cycle and
Material Safety, NMSS

SUBJECT: REGULATORY GUIDE REVIEW REQUEST:
BIOASSAY OF TRITIUM

In response to your memorandum to Richard Cunningham dated January 8, 1982, we have reviewed the draft guide on bioassay of tritium. Our comments are enclosed.


Vandy L. Miller, Chief
Material Licensing Branch
Division of Fuel Cycle and
Material Safety, NMSS

Enclosure: As stated

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DIVISION OF FUEL CYCLE AND MATERIAL SAFETY COMMENTS ON DRAFT GUIDE
FOR BIOASSAY OF TRITIUM DATED JANUARY 8, 1982

CONTACT: Bruce Carrico, 427-4239

1. Page 2, paragraph C.1.b: This paragraph is not specific enough as written. We suggest 1) that it specify when bioassays should be performed, or 2) state that bioassays should be performed at this level unless specified conditions are met.
2. Page 7, C.5.a.(3)(d): The meaning of "long-term organic compartments" should be clarified.
3. Table 1: Where do inorganic compounds and tritium gas fit into the Table?
4. We believe that the Appendix should be published as a separate NUREG report.
5. The meaning of the following abbreviations should be specified: HTC, HT, T₂.
6. See marked-up copy attached for minor changes.