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**Pedersen, Roger**

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**From:** Roger Pedersen  
**Sent:** Wednesday, October 08, 2003 10:59 AM  
**To:** WDR@OWFN\_DO.owf4\_po  
**Cc:** CSH@OWFN\_DO.owf2\_po; DAC@TWFN\_DO.twf4\_po; SXS2@TWFN\_DO.twf4\_po  
**Subject:** RUBI - DRAFT PART 19, 20, & 50 CHANGES FOR PUBLIC COMMENT  
**Attachments:** RUBE Draft 10\_08\_03.wpd

Bill,

Attached is the latest "final" draft of the proposed RUBI changes which are ready to be published for public comment. This draft incorporates comments from internal stakeholders, as well as the feedback we received from NEI in our 9/25/03 public meeting. Please let me know when you have the package ready for the Fed. Register. Thanks

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**REDUCTION IN UNNECESSARY  
BURDEN INITIATIVE  
DRAFT WORDING  
PART 19 & 20 RULEMAKING**

**50.69 Containers holding licensed material.**

(a) Each holder of a construction permit or operating license for a nuclear power plant issued under this part or combined license for a nuclear power plant issued under Part 52 of this chapter, shall comply with either 10 CFR 20.1904 of this chapter or the requirements in (b) of this section.

(b) Each licensee shall comply with the following requirements in lieu of the labeling requirements in 10 CFR 20.1904 for containers holding licensed material that reside within an area of the plant posted pursuant to the requirements 10 CFR 20.1902.

(1) Containers are conspicuously marked (such as by providing a system of color coding, labeling, or tagging of containers) commensurate with the radiological hazard, and

(2) Containers are accessible only to individuals who have received sufficient instructions to minimize radiation exposure while handling, or working in the vicinity of, the containers, and

(3) Plant procedures ensure that containers are appropriately labeled, pursuant to 10 CFR 20.1904, prior to being removed from the posted area.

**Considerations**

Incidental contamination, from plant operations, found in a container not marked as containing licensed material, should not be considered as a violation of 10 CFR 50.69(b)(1) if identified and corrected by the licensee's routine monitoring and contamination control programs.

General employee training may be sufficient for containers which pose a low risk of exposure to, or intake of, licensed materials. However, specific instruction, such as that provided in pre-job briefings, and/or documented on an RWP or its equivalent, would be appropriate for containers that could pose a risk of significant exposure to, or intake of, radioactive materials.

## **20.1003 change**

*Total Effective Dose Equivalent (TEDE)* means the sum of the effective dose equivalent (for external exposures)<sup>1</sup> and the committed effective dose equivalent (for internal exposures).

Footnote 1:

Assumed to be equal to the deep dose equivalent for the part of the whole body receiving the highest exposure, when the external exposure is measured by external dosimetry, unless measured by a method approved by the NRC.

## **Considerations**

The revised definition of TEDE, using the effective dose equivalent for external exposures, is more consistent with the technical basis for the requirements in Part 20 (e.g., the recommendations of the International Commission on Radiological Protection in their Publication 30).

Change only removes the apparent conflict between the definition of TEDE and the footnote to the table of organ weighting factors in the current 10 CFR 20. Guidance, mandated by the Commission, has already been issued effectively implementing this revised definition and several methods have been approved.

Reverts to the current definition of TEDE for exposure situations where there is not an NRC approved method of measuring EDE.

### **19.13 Notifications and reports to individuals.**

(b)(1) Annually, each licensee shall advise each individual of the dose the individual received in the previous year, as shown in the records maintained by the licensee pursuant to the provisions of 20.2106 of 10 CFR Part 20.

(2) The licensee is exempt from (b)(1) of this section if the dose received in the previous year is not greater than 2% of the dose limits in 10 CFR Part 20.1201(a), unless a record of the dose is requested in writing by the individual.

(d) *[Delete entire paragraph as redundant to the revised 19.13(b) and 20.2205.]*

### **20.2205 Reports to individuals of exceeding dose limits.**

When a licensee is required, pursuant to the provisions of 10 CFR 20, sub-sections 20.2202, 20.2203, or 20.2204, to report to the Commission any exposure of an identified occupationally exposed individual, or an identified member of the public, to radiation or radioactive material, the licensee shall also provide a copy of the report submitted to the Commission to the individual. This report must be transmitted at a time no later than the transmittal to the Commission.

### **Considerations**

Removes overlapping and redundant requirements in Parts 19 and 20.

Removes an unnecessary burden on licensees by eliminating the requirement to report doses that are small fractions of the dose limits, to individuals. 10 CFR 20.1201 (a) contains several annual dose limits (for the whole body (TEDE), lens of the eye, skin, and extremities). The revised 10 CFR 19.13 (b)(2) states that if none of the individual's annual doses exceed 2% of the dose limits contained in 10 CFR 20.1201 (a), then the licensee is exempt from 10 CFR 19.13 (b)(1) and therefore, the licensee is not required to advise that individual of the dose received in the previous year. However, if 2% of any of the dose limits, contained in 10 CFR 20.1201(a), are exceeded, then the licensee must advise the individual of all of the dose the individual received in the previous year as shown in the records kept pursuant to 20.2106.

Replaces the reference to 10 CFR 20.2206 in 10 CFR 20.2205 with the more appropriate reference to the reports made pursuant to 10 CFR 20.2202. Note: 10 CFR 20.2202 is currently referenced in 10 CFR 19.13 (d), which would be deleted entirely by this proposed change.

Retains the less burdensome requirement to maintain records of all doses (pursuant to 10 CFR 20.2106) and to include them in reports made to the NRC (pursuant to 10 CFR 20.2206).

#### **20.2104 Determination of prior occupational dose.**

(a)(2) Obtain the records of cumulative occupational radiation dose for each individual being authorized to receive a planned special exposure.

#### **Considerations**

Removes an unnecessary requirement for licensees to “attempt” to obtain occupational dose history for individuals who will not be receiving a planned special exposure (PSE). The only “lifetime” dose limit in the regulation, where a licensee would need the records of an individual's cumulative occupational radiation dose, is associated with a PSE.