

November 18, 1992

United States  
Nuclear Regulatory Guide  
Office of Nuclear Materials Safety  
and Safeguards  
Washington, DE 20555

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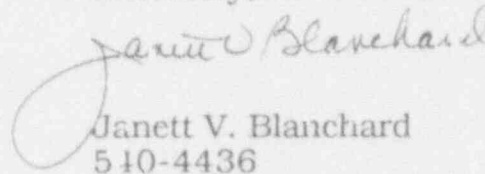
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Attention: Mariann S. Rogers  
Tech Lab - Rm 213

Thank you for your cooperation.

Sincerely,

  
Janett V. Blanchard  
540-4436

/jb

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# REGULATORY GUIDE

OFFICE OF NUCLEAR REGULATORY RESEARCH

## REGULATORY GUIDE 8.35

(Draft was issued as DG-8008)

### PLANNED SPECIAL EXPOSURES

#### A. INTRODUCTION

In the revised 10 CFR Part 20, "Standards for Protection Against Radiation," paragraphs 20.1201(b) and 20.1206 provide the conditions and limits for planned special exposures (PSEs) of adult workers, i.e., doses in addition to and accounted for separately from the doses received under the limits specified in 10 CFR 20.1201. In addition, 10 CFR 20.2104(b) and 20.2104(e)(2) specify the requirements for obtaining prior occupational dose information, and 10 CFR 20.2105 and 20.2106 specify the requirements for exposure and monitoring records applicable to PSEs. The requirements for reporting PSEs are in 10 CFR 20.2202(e) and 20.2204.

PSEs have been included in the revised 10 CFR Part 20 to provide for exceptional situations when alternatives that might avoid the special exposure are unavailable or impractical. The previous rule's 5(N-18) provision, which permitted accumulating unused annual exposures for use in dose averaging (or a dose bank), has been deleted. Under the revised rule, if the worker's exposure is under the 5-rem annual dose limit, there is no way to recapture the difference between the actual dose and the limit for use in future years.

The PSE rule is designed to provide occupational dose flexibility similar to that provided by the previous 5(N-18) rule. Thus, even though doses cannot be "banked" or saved as before, the revised rule will al-

low 5 rems occupational exposure and 5 rem PSE for a total of 10 rems for the year, which is similar to the maximum amount of 12 rems allowed under the previous 5(N-18) rule. The difference is that there are additional conditions that must be satisfied prior to allowing the special exposure. These conditions are detailed in 10 CFR 20.1206, and this provision is intended to be used only under very special circumstances, not as a routine measure for extending dose limits applicable to routine exposures. In addition, there are requirements for recording and reporting the PSE.

This regulatory guide provides guidance on the conditions and prerequisites for permitting PSEs allowed by the revision to 10 CFR Part 20, the associated specific monitoring and reporting requirements, and examples of acceptable means of satisfying these requirements.

Any information collection activities mentioned in this regulatory guide are contained as requirements in 10 CFR Part 20, which provides the regulatory basis for this guide. The information collection requirements in 10 CFR Part 20 have been cleared under OMB Clearance No. 3150-0014.

#### B. DISCUSSION

PSEs are restricted to those special situations that could result in a higher exposure than allowed by the normal limits of 10 CFR 20.1201 and that, if not provided for, could create a severe problem in the

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