

### 11.1.3 Dose Assessment

REMOVE the second paragraph commencing at the bottom of page 11-8 of the SER, and  
INSERT:

The applicant calculated off-site dose rates for the HI-STORM 100 storage cask based on PWR design basis fuel source terms with a burnup and cooling time of 40,000 MWD/MTU for 10 years as discussed in Section 7.1.1 of this SER. The applicant calculated average contact surface dose rates for the HI-STORM 100 storage cask to be approximately 10 mrem/hr at the sides, 3 mrem/hr on top, and 6 mrem/hour at the vents. Based on these values, the applicant calculated a site boundary dose rate of 0.0029 mrem/hr for 4,000 casks from direct and scattered radiation exposure. As discussed in Chapter 9 of this SER, no release of radioactive material in effluent is expected during normal operations; therefore, the dose due to effluents is not considered. The applicant extrapolated the site boundary dose rate out to a distance of two miles and calculated an annual dose of 0.0356 mrem to the nearest resident, assuming the resident is continually present for 8,760 hr/yr. The applicant also calculated an annual dose of 5.85 mrem for a hypothetical person at the site boundary (e.g., non-Facility worker), assuming the person is at the site boundary for 2,000 hr/yr which is approximately equal to 40 hr/week. These dose rates are less than the 10 CFR 72.104(a) dose limit of 25 mrem/yr to the whole body to a member of the public.

REMOVE Section 11.3 on Page 11-12 to 11-13 of the SER and INSERT:

### 11.3 References

- Holtec International. 2000. *Final Safety Analysis Report for the Holtec International Storage and Transfer Operation Reinforced Module Cask System (HI-STORM 100 Cask System)*. Volumes I and II. HI-2002444. Docket 72-1014. Marlton, NJ: Holtec International.
- Nuclear Regulatory Commission. 1977. *Operating Philosophy for Maintaining Occupational Radiation Exposures As Low As Is Reasonably Achievable*. Regulatory Guide 8.10. Revision 1. Washington, DC: Nuclear Regulatory Commission.
- Nuclear Regulatory Commission. 1978. *Information Relevant to Ensuring That Occupational Radiation Exposures at Nuclear Power Stations Will Be As Low As Is Reasonably Achievable*. Regulatory Guide 8.8. Revision 3. Washington, DC: Nuclear Regulatory Commission.
- Nuclear Regulatory Commission. 1980. *Applications of Bioassay for Fission and Activation Products*. Regulatory Guide 8.26. Washington, DC: Nuclear Regulatory Commission.
- Nuclear Regulatory Commission. 2000a. *Draft Environmental Impact Statement for the Construction and Operation of an Independent Spent Fuel Storage Installation on the Reservation of the Skull Valley Band of Goshute Indians and the Related Transportation Facility in Tooele County, Utah*. NUREG-1714. Washington, DC: Nuclear Regulatory Commission.
- Nuclear Regulatory Commission. 2000b. *Holtec International HI-STORM 100 Cask System Safety Evaluation Report*. Docket No. 72-1014.
- Parkyn, J.D. 1998. *Response to Request for Additional Information*. Letter (May 19) to Director, Office of Nuclear Material Safety and Safeguards, Nuclear Regulatory Commission. La Crosse, WI: Private Fuel Storage Limited Liability Company.
- Private Fuel Storage Limited Liability Company. *Safety Analysis Report for Private Fuel Storage Facility*. Revision 22. Docket No. 72-22. La Crosse, WI: Private Fuel Storage Limited Liability Company. 2001.