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11. ABSTRACT <i>(200 words or less)</i> This report summarizes the occupational exposure data that are maintained in the U.S. Nuclear Regulatory Commission's (NRC) Radiation Exposure Information and Report System (REIRS). The bulk of the information contained in the report was compiled from the 1997 annual reports submitted by six of the seven categories of NRC licensees subject to the reporting requirements of 10 CFR 20.2206. Since there are no geologic repositories for high level waste currently licensed, only six categories will be considered in this report. Annual reports for 1997 were received from a total of 296 NRC licensees, of which 109 were operators of nuclear power reactors in commercial operation. Compilations of the reports submitted by the 296 licensees indicated that 142,730 individuals were monitored, 75,291 of whom received a measurable dose (Table 3.1). The collective dose incurred by these individuals was 19,841 person-rem which represents a 9% decrease from the 1996 value. The number of workers receiving a measurable dose also decreased, resulting in the average measurable dose of 0.26 rem for 1997. The average measurable dose is defined to be the total collective dose (TEDE) divided by the number of workers receiving a measurable dose. These figures have been adjusted to account for transient reactor workers. In 1997, the annual collective dose per reactor for, light water reactor licensees (LWRs) was 157 person-rem. This represents a 9% decrease from the value reported for 1996. The annual collective dose per reactor for boiling water reactors (BWRs) was 205 person-rem and for pressurized water reactors (PWRs), it was 132 person-rem. Analyses of transient worker data indicate that 31,065 individuals completed work assignments at two or more licensees during the monitoring year. The dose distributions are adjusted each year to account for the duplicate reporting of transient workers by multiple licensees. In 1997, the average measurable dose calculated from reported data was 0.22 rem. The corrected dose distribution resulted in an average dose of 0.26 rem.										
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