

June 14, 2002

PRELIMINARY NOTIFICATION OF EVENT OR UNUSUAL OCCURRENCE - PNO-IV-02-031A

This preliminary notification constitutes EARLY notice of events of POSSIBLE safety or public interest significance. The information is as initially received without verification or evaluation, and is basically all that is known by the Region IV staff on this date.

**Facility**

The Boeing Company  
3370 Miraloma Avenue  
Anaheim, CA 92803  
State of California Licensee  
License No.: CA# 0065-30

**Licensee Emergency Classification**

Notification of Unusual Event  
 Alert  
 Site Area Emergency  
 General Emergency  
 Not Applicable

SUBJECT: POTENTIAL EXPOSURE IN EXCESS OF REGULATORY LIMITS - UPDATE

DESCRIPTION: On June 11, 2002, the California Radiation Health Branch (CRHB) notified NRC's Operation Center of an exposure to a personnel monitoring badge that was in excess of the regulatory limits. 10 CFR 20.1201(a)(1)(i) limits the annual total effective dose equivalent to 5 rems (0.05 Seiverts (Sv)), 20.1201(a)(2)(i) limits the annual lens dose equivalent (LDE) to 15 rems (0.15 Sv), and 20.1201(a)(2)(ii) limits the shallow-dose equivalent (SDE) to 50 rems (0.50 Sv) to the skin or to any extremity.

The licensee's radiation safety officer informed CRBH on June 11, 2002, that he received notification from their personnel monitoring vendor (Landauer) of a badge overexposure. Landauer reported a dose of 0.94 Sv (94 rem) deep dose equivalent, 0.94 Sv (94 rem) LDE, and 1.12 Sv (112 rem) SDE to an individual's badge for the period of April 1 to 30, 2002. Landauer indicated that it was a static exposure, which suggests that it is a badge-only exposure. The licensee is conducting an investigation. The CRBH is following the licensee's investigation closely and has recommended blood work on the individual to determine if an overexposure occurred.

UPDATE: On June 13, 2002, the CRBH informed Region IV that the above referenced individual works exclusively with x-ray. The licensee is continuing to conduct an investigation and CRBH is monitoring the investigation closely. The expectation continues to be that this is a badge-only exposure.

The State provided the updated information at 1:00 p.m. on June 13, 2002. Region IV has informed OEDO, NMSS, and STP.

This information has been discussed with the State and is current as of 10:30 a.m. on June 14, 2002 .

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