

**NMED Item Number: 020692**

**Narrative:**

**Last Updated: 05/24/2006**

The licensee reported that an annual audit revealed the loss of 348 MBq (9.4 mCi) of C-14. The material consisted of 167 mg of a research compound in dry powder form contained in a small vial (less than 20 ml in volume). The material was used for basic metabolic research purposes. The last accounting of the material was in December 1999. Despite a detailed search, the material could not be located. The licensee believes that the material was incinerated along with other radioactive waste, which would result in a maximum off-site dose of 0.27 uSv (0.027 mrem). To prevent recurrence, the licensee retrained department personnel, will perform more frequent inventories, and developed a standardized radioactive material tracking procedure.

**Event Date:** 12/01/1999    **Discovery Date:** 06/20/2002    **Report Date:** 07/19/2002

**Licensee/Reporting Party Information:**

Regulated By: NRC    Reciprocity: NONE  
 License Number: 13-01133-02    Name: ELI LILLY & CO.  
 Docket Number: 03004330    City: INDIANAPOLIS  
 Program Code: 03611    State: IN  
 Responsible NRC Region: 3

**Site of Event:**

Site Name: INDIANAPOLIS    State: IN

**Additional Involved Party:**

License Number: NA    City: NA  
 Name: NA    State: NA

**Other Information:**

NRC Reportable Event: Y    Abnormal Occurrence: N  
 Agreement State Reportable Event: N    Investigation: Y  
 Atomic Energy Act Material: Y    Record Complete: Y  
 Consultant Hired: N    Event Closed by Region/State: Y

**Event Cause:**

LAS - LOST/ABANDONED/STOLEN  
 Cause: MANAGEMENT DEFICIENCY

**Corrective Actions Information:**

LAS  
**Number: Corrective Action:**  
 1 PERSONNEL RECEIVED ADDITIONAL TRAINING  
 2 PROCEDURE MODIFIED

**Source/Radioactive Material Information:**

LAS  
 Source Number: 1  
 Source/Material: UNSEALED SOURCE LAB    Radionuclide: C-14  
 Manufacturer: NR    Activity (Ci): 0.0094  
 Model Number: NA    Leak Test Results (uCi): NA  
 Serial Number: NA

*B-22*

**Reporting Requirement Information:**

LAS

Reporting Requirement: 20.2201(a)(1)(ii) - Lost, stolen, or missing licensed material in a quantity greater than 10 times the Appendix C quantities.

**Keywords:**

LAS

**Keyword:** MATERIAL LOST AND NOT FOUND**Reference Documents:**

Reference Document Number:	Entry Date:	Retraction Date:	Type of Report:
EN39075	07/22/2002		EVENT NOTIFICATION
ML022280443	09/05/2002		LICENSEE REPORT
LTR060512	05/15/2006		NRC LETTER
ML061320312	05/24/2006		INSPECTION REPORT