

# RI - DNMS Licensee Event Report Disposition

Licensee:	DSEPA				
Event Description:	Loss of Material				
License No:		Docket No:	90040051	MLER-RI:	2007-005
Event Date:	12/18/06	Report Date:	01/30/07	HQ Ops Event #:	

**1. REPORTING REQUIREMENT**

<input type="checkbox"/> 10 CFR 20.1906 Package Contamination <input checked="" type="checkbox"/> 10 CFR 20.2201 Theft or Loss <input type="checkbox"/> 10 CFR 20.2203 30 Day Report <input type="checkbox"/> Other _____	<input type="checkbox"/> 10 CFR 30.50 Report <input type="checkbox"/> 10 CFR 35.3045 Medical Event <input type="checkbox"/> License Condition
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**2. REGION I RESPONSE**

<input type="checkbox"/> Immediate Site Inspection <input type="checkbox"/> Special Inspection <input type="checkbox"/> Telephone Inquiry <input type="checkbox"/> Preliminary Notification/Report <input checked="" type="checkbox"/> Information Entered in RI Log <input type="checkbox"/> Report Referred To: _____	<table style="width: 100%;"> <tr> <td style="width: 50%;">Inspector/Date</td> <td style="width: 50%;"></td> </tr> <tr> <td>Inspector/Date</td> <td></td> </tr> <tr> <td>Inspector/Date</td> <td></td> </tr> <tr> <td><input type="checkbox"/> Daily Report</td> <td></td> </tr> <tr> <td><input type="checkbox"/> Review at Next Inspection</td> <td></td> </tr> </table>	Inspector/Date		Inspector/Date		Inspector/Date		<input type="checkbox"/> Daily Report		<input type="checkbox"/> Review at Next Inspection	
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<input type="checkbox"/> Daily Report											
<input type="checkbox"/> Review at Next Inspection											

**3. REPORT EVALUATION**

<input checked="" type="checkbox"/> Description of Event <input checked="" type="checkbox"/> Levels of RAM Involved <input type="checkbox"/> Cause of Event	<input type="checkbox"/> Corrective Actions <input type="checkbox"/> Calculations Adequate <input type="checkbox"/> Additional Information Requested from Licensee
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**4. MANAGEMENT DIRECTIVE 8.3 EVALUATION**

<input type="checkbox"/> Release w/Exposure > Limits <input type="checkbox"/> Repeated Inadequate Control <input type="checkbox"/> Exposure 5x Limits <input type="checkbox"/> Potential Fatality <input type="checkbox"/> If any of the above are involved: <input type="checkbox"/> Considered Need for IIT Decision/Made By/Date: _____	<input type="checkbox"/> Deliberate Misuse w/Exposure > Limits <input type="checkbox"/> Pkgng Failure > 10 rads/hr or Contamination > 1000x Limits <input type="checkbox"/> Large# Indivs w/Exp > Limits or Medical Deterministic Effects <input type="checkbox"/> Unique Circumstances or Safeguards Concerns <input type="checkbox"/> Considered Need for AIT
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**5. MANAGEMENT DIRECTIVE 8.10 EVALUATION (additional evaluation for medical events only)**

<input type="checkbox"/> Timeliness - Inspection Meets Requirements (5 days for overdose / 10 days for underdose) <input type="checkbox"/> Medical Consultant Used-Name of Consultant/Date of Report: _____ <input type="checkbox"/> Medical Consultant Determined Event Directly Contributed to Fatality <input type="checkbox"/> Device Failure with Possible Adverse Generic Implications <input type="checkbox"/> HQ or Contractor Support Required to Evaluate Consequences
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**6. SPECIAL INSTRUCTIONS OR COMMENTS**

Non-Public                      Inspector Signature: Michael Reichel                      Date: 07/25/07  
 Public-SUNSI REVIEW COMPLETE                      Branch Chief Initials: R.C. England for Marie Miller                      Date: 7/25/07



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
REGION II  
EDISON, NEW JERSEY 08837

April 11, 2007

U.S. Nuclear Regulatory Commission Region I  
Division of Nuclear Materials Safety  
475 Allendale Road  
King of Prussia, Pennsylvania 19406-1415  
Attention: Brian Holian, Director, Division of Nuclear Materials Safety

2007 APR 13 PM 12:39

RECEIVED  
REGION I

Dear Sir:

On February 20, 2007, the U.S. Environmental Protection Agency's Region 2 reported that an X-ray fluorescence analyzer had been inadvertently picked up on December 18, 2006 from the EPA Region 2 facility in Edison, NJ and transported with other equipment to Maser Canada, Inc., a Canadian recycling facility. Jennifer Pyne, Acting Director of Nuclear Substance Division of the Canadian Nuclear Safety Commission, was also notified.

Upon further investigation it was discovered that the Technical Assistance Team (TAT) contractor had intended to hand the unit over to EPA Region 2 in 1995, not REAC-ERT as previously indicated. The analyzer is an X-Met 880 (instrument SN 144216), manufactured by Outokumpu Electronics Inc., Finland (who was also the licensee for the material). Since manufacture, the licensee has been changed to Oxford Instruments, Elk Grove Village, Illinois. As a reminder, the analyzer, containing 100 mCi of Cm-244 (source SN 1951LM) and 30 mCi of Am-241 (source SN 2765LX) is intact and in its original case.

The instrument was retained in secure storage at Maser Canada, Inc, 220 John Street, Barrie, Ontario, L4N 2L2. Our contacts there are Keith Blinn and Matt Waite. They can be reached at 705-792-0300.

Glen MacDonald (Air Transportation of Dangerous Goods Certified), Dangerous Goods Consultants, Inc., Mississauga, Ontario, was contracted to retrieve the instrument, package it and ship it back to the EPA Edison Facility. He can be reached at 800-663-3690.

The instrument arrived in the Edison Facility Tuesday, March 27<sup>th</sup>, 2007. Christopher Wolf and Glenda Hannah, USNRC, were contacted and the instrument added to the USEPA Edison Sealed Source Inventory.

Arrangements have been made for the return of both sources to Oxford Instruments for proper disposal, upon completion of a final source wipe test. NRC shall be notified of the transfer of the sources, as required under 10 CFR 20.2001.

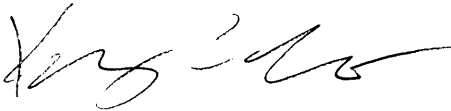
THIS MATERIAL EVENT INVOLVED A "LESS THAN CATEGORY 3" LEVEL OF RADIOACTIVE MATERIAL.

Sources that are "Less than IAEA Category 3 sources," are either sources that are very unlikely to cause permanent injury to individuals or contain a very small amount of radioactive material that would not cause any permanent injury. Some of these sources, such as moisture density gauges or thickness gauges that are Category 4, the amount of unshielded radioactive material, if not safely managed or securely protected, could possibly – although it is unlikely – temporarily injure someone who handled it or were otherwise in contact with it, or who were close to it for a period of many weeks.

If you need any further information concerning this event, you can contact me at 732-906-6901, or by email at [cho.kwong@epa.gov](mailto:cho.kwong@epa.gov).

Reporting Organization: US ENVIRONMENTAL PROTECTION AGENCY – REGION 2

Thank You.

A handwritten signature in black ink, appearing to read 'Kwong Cho', written in a cursive style.

Kwong Cho,  
Facilities & Administrative Management Branch

<b>U.S. NUCLEAR REGULATORY COMMISSION</b>		Date: April 18, 2007
<b>TELEPHONE CONVERSATION RECORD</b>		Time: 11:15
Mail Control or Report No(s).	LER-XXX	License No(s). General
		Docket No(s). 99990001
Name of Licensee:	United States Environmental Protection Agency	
Name of Participant(s):	Kwong Cho, Facilities & Administrative Management Branch Steven R. Courtemanche, Health Physicist, NRC, RI	
Telephone No.	732-906-6901 610-337-5075	
Subject: (NOTE: This will be used as the Documents Title in ADAMS)	Letter dated April 11, 2007	
Summary:	<p>I spoke with Mr. Cho in order to obtain additional information concerning the April 11, 2007, letter. He indicated that the X-Ray fluorescence analyzer that was recovered from Canada was a generally-licensed device. All devices possessed at the site are generally-licensed. The device that was sent to Canada was not on his department's inventory list because neither the contractor nor the department the contractor was working for informed his department of the device. A physical search of the licensee's facilities did not reveal any additional devices not accounted for on his department's inventory. The device is currently in the possession of the licensee as it makes preparations for its disposal. As an added precaution, the licensee is adding language in the contracts about notification of his department if equipment used by the contractor that is to be turned over to the licensee contains radioactive materials. I thanked Mr. Cho for the information and that I looked forward to his letter documenting our discussion of his corrective and preventive actions.</p>	
Action Required:	Place in ADAMS	
Document Availability:	<input checked="" type="checkbox"/> Publicly Available <input type="checkbox"/> Non-Publicly Available <input checked="" type="checkbox"/> Non-Sensitive <input type="checkbox"/> Non-Sensitive Copyright <input type="checkbox"/> Sensitive <input type="checkbox"/> Sensitive Copyright <input type="checkbox"/> Immediate Release <input checked="" type="checkbox"/> Normal Release <input type="checkbox"/> Delay Release Date	
Prepared & SUNSI Review Completed By:	Steven Courtemanche	/ RA / Date: 4/18/2007