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Nuclear Materials Events Database (NMED)

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Click a category's plus (+) button to view searchable fields. For help, click on a field label or on the Help link.

Show Count button

General Event Information

Item Number:

Event Type:

- Equipment
 - Fuel Cycle Facility
 - Leaking Source
 - Lost/Abandoned/Stolen
 - Medical
 - Non-Power Reactor
 - Overexposure
 - Release/Contam
 - Transportation
 - Other
- Or And

Event Date:

>= <=

Discovery Date:

>= <=

Report Date:

>= <=

Update Date:

>= <=

Party Involved:

License #:

NRC Docket Number:

NRC Program Code:

State:

Site of Event:

Narrative Search:

Responsible NRC Region:

All 1 2 3 4 Foreign

Regulated By:

All Agreement State NRC

NRC Reportable:

All Yes No Uncertain

Agreement State Reportable:

All Yes No Uncertain

AEA Material:

All Yes No Uncertain

Abnormal Occurrence:

All Yes No Potential

Record Complete:

All Yes No (and Info Request Pending) Info Request Pending

(Record Complete selections other than "All" are NOT valid for Item numbers < 990001)

Event Closed by Region/State:

All Yes No

- Cause/Corrective Action/Keyword
- Device/Source Details
- Medical Event Details
- Personnel Overexposure Details
- Release/Contamination Details
- Reference Documents
- Reporting Requirements

A-6



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Search Results for
 Event Type = LAS
 Event Date >= 12/31/1999 and <= 12/31/2004
 Licensee/Reporting Party State = MN
 Sorted by Item Number ascending

[Summary List](#)

6 events

NMED Item Number: 000273

Narrative:

Last Updated: 12/23/2002

The licensee reported the loss of an NRD air ionizer/static eliminator (model P-2021SS, serial #115737) containing approximately 0.37 GBq (10 mCi) of Po-210 as of November 1999. The device was discovered missing from a clean room at the licensee's facility in Minneapolis. The gun in which the device was used was found broken on the floor with device missing. The licensee conducted employee interviews and searches of their facility in an unsuccessful attempt to locate the device. The licensee believes that the device was picked up by someone in the area and placed in the trash. The trash is picked up and eventually placed in a landfill in Anoka County, Illinois. To prevent recurrence, the licensee will train their personnel as to the proper handling procedures.

Event Date: 02/01/2000	Discovery Date: 02/01/2000	Report Date: 04/19/2000
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Licensee/Reporting Party Information:

Regulated By:	NRC	Reciprocity:	NONE
License Number:	GENERAL LICENS	Name:	HONEYWELL SENSOR AND GUIDANCE PRODS
Docket Number:	NA	City:	MINNEAPOLIS
Program Code:	NR	State:	MN
Responsible NRC Region: 3			

Site of Event:

Site Name: MINNEAPOLIS State: MN

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:	N
Atomic Energy Act Material:	Y	Record Complete:	Y

Consultant Hired: N Event Closed by Region/State: Y

Event Cause:

LAS - LOST/ABANDONED/STOLEN

Cause: LOSS OF ADMINISTRATIVE CONTROL

Corrective Actions Information:

LAS

Number: Corrective Action:

1 PERSONNEL RECEIVED ADDITIONAL TRAINING

Source/Radioactive Material Information:

LAS

Source Number:	1		
Source/Material:	SEALED SOURCE IONIZING	Radionuclide:	PO-210
Manufacturer:	NR	Activity (Ci):	0.01
Model Number:	NR	Leak Test Results (uCi):	NR
Serial Number:	NR		

Device/Associated Equipment Information:

LAS

Device Number:	1		
Device/Equipment:	STATIC ELIMINATOR	Model Number:	P-2021
Manufacturer:	NRD, INC.	Serial Number:	115737

Reporting Requirement Information:

LAS

Reporting Requirement: 20.2201(a)(1)(i) - THE IMMEDIATE TELEPHONE REPORT OF ANY LOST, STOLEN, OR MISSING LICENSED MATERIAL IN A QUANTITY GREATER THAN OR EQUAL TO 1,000 TIMES THE APPENDIX C QUANTITIES THAT COULD CAUSE AN EXPOSURE TO PERSONS IN UNRESTRICTED AREAS.

LAS

Reporting Requirement: 20.2201(b)(1) - THE 30 DAY WRITTEN REPORT FOLLOWING A 20.2201(a) TELEPHONE REPORT.

Keywords:

LAS

Keyword: MATERIAL LOST AND NOT FOUND
 Keyword: SEALED SOURCE IONIZING
 Keyword: STATIC ELIMINATOR

Reference Documents:

Reference Document Number:	Entry Date:	Retraction Date:	Type of Report:
EN36904	04/20/2000		EVENT NOTIFICATION

ML003707396	06/08/2000	LICENSEE REPORT
ML003720946	06/13/2000	NRC LETTER
LTR021218	12/23/2002	NRC LETTER

NMED Item Number: 000378

Narrative:

Last Updated: 08/23/2004

The licensee reported the loss of an NRD static elimination device containing 370 MBq (10 mCi) of Po-210. The static elimination device (model P-2021-8201, serial #116762) is an air gun with an anti-static nozzle used to remove debris from static sensitive areas in and around electronic test equipment. The device was shipped to the licensee from NRD, LLC, of Grand Island, New York, in a package with a larger ionization device. The larger device was removed from the package and installed, but the smaller device went unnoticed. The licensee determined that an employee later emptied the package to use the box for another purpose. To prevent recurrence, the licensee modified their procedures to ensure that all packages containing nuclear devices will be reconciled against the applicable shipping papers upon receipt. Also, these devices will be immediately installed or placed in secure storage. The shipping papers will be forwarded to the device program manager and the device inventory records will be updated accordingly.

Event Date:	Discovery Date:	Report Date:
05/15/2000	05/15/2000	05/15/2000

Licensee/Reporting Party Information:

Regulated By:	NRC	Reciprocity:	NONE
License Number:	GENERAL LICENS	Name:	SHELDAHL
Docket Number:	NA	City:	NORTHFIELD
Program Code:	NR	State:	MN

Responsible NRC Region: 3

Site of Event:

Site Name: NORTHFIELD State: MN

Additional Involved Party:

License Number: NR City: GRAND ISLAND
 Name: NRD, INC. State: NY

Other Information:

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

Event Cause:

LAS - LOST/ABANDONED/STOLEN
 Cause: INATTENTION TO DETAIL

Corrective Actions Information:

LAS

Number: Corrective Action:

1 PROCEDURE MODIFIED

Source/Radioactive Material Information:

LAS

Source Number:	1	Radionuclide:	PO-210
Source/Material:	SEALED SOURCE IONIZING	Activity (Ci):	0.01
Manufacturer:	NR	Leak Test Results (uCi):	NR
Model Number:	NR		
Serial Number:	NR		

Device/Associated Equipment Information:

LAS

Device Number:	1	Model Number:	P-2021
Device/Equipment:	STATIC ELIMINATOR	Serial Number:	116762
Manufacturer:	NRD, INC.		

Reporting Requirement Information:

LAS

Reporting Requirement: 20.2201(a)(1)(i) - THE IMMEDIATE TELEPHONE REPORT OF ANY LOST, STOLEN, OR MISSING LICENSED MATERIAL IN A QUANTITY GREATER THAN OR EQUAL TO 1,000 TIMES THE APPENDIX C QUANTITIES THAT COULD CAUSE AN EXPOSURE TO PERSONS IN UNRESTRICTED AREAS.

LAS

Reporting Requirement: 20.2201(b)(1) - THE 30 DAY WRITTEN REPORT FOLLOWING A 20.2201(a) TELEPHONE REPORT.

Keywords:

Keyword: MATERIAL LOST AND NOT FOUND
Keyword: SEALED SOURCE IONIZING
Keyword: STATIC ELIMINATOR

Reference Documents:

Reference Document Number:	Entry Date:	Retraction Date:	Type of Report:
ML003715951	06/06/2000		LICENSEE REPORT
LTR030206	02/11/2003		NRC LETTER
LTR040818	08/23/2004		NRC LETTER
LTR040819	08/23/2004		NRC LETTER

NMED Item Number: 030182

Narrative:

Last Updated: 08/26/2003

The licensee reported the loss of an NRD nuclear static eliminator (model P-2001, serial #A2BG425) containing a

9.25 MBq (0.25 mCi) Po-210 source. The original source activity was 0.17 GBq (4.5 mCi) at time of manufacture. The device was one of 60 similar devices being returned to NRD on 1/6/2003. Forty-two of the devices, including the missing device, were packaged in one container. However, NRD reported receiving only 41 devices in the container. Extensive searches were conducted by the licensee and NRD with negative results. To prevent recurrence, the licensee modified their shipping procedure to improve accountability.

Event Date: 01/06/2003 **Discovery Date:** 03/04/2003 **Report Date:** 03/04/2003

Licensee/Reporting Party Information:

Regulated By: NRC Reciprocity: NONE
 License Number: 22-00057-03 Name: 3M CO.
 Docket Number: 03004950 City: SAINT PAUL
 Program Code: 03120 State: MN
 Responsible NRC Region: 3

Site of Event:

Site Name: SAINT PAUL State: MN

Additional Involved Party:

License Number: 31-28397-01G City: GRAND ISLAND
 Name: NRD, INC. State: NY

Other Information:

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

Event Cause:

LAS - LOST/ABANDONED/STOLEN
 Cause: LOSS OF ADMINISTRATIVE CONTROL

Corrective Actions Information:

LAS
Number: Corrective Action:
 1 PROCEDURE MODIFIED

Source/Radioactive Material Information:

LAS
 Source Number: 1
 Source/Material: SEALED SOURCE IONIZING Radionuclide: PO-210
 Manufacturer: NRD, INC. Activity (Ci): 0.00025
 Model Number: P-001 Leak Test Results (uCi): <.005
 Serial Number: NR

Device/Associated Equipment Information:

LAS

Device Number: 1
 Device/Equipment: STATIC ELIMINATOR Model Number: P-2001
 Manufacturer: NRD, INC. Serial Number: A2BG425

Reporting Requirement Information:

LAS

Reporting Requirement: 20.2201(a)(1)(I) - THE IMMEDIATE TELEPHONE REPORT OF ANY LOST, STOLEN, OR MISSING LICENSED MATERIAL IN A QUANTITY GREATER THAN OR EQUAL TO 1,000 TIMES THE APPENDIX C QUANTITIES THAT COULD CAUSE AN EXPOSURE TO PERSONS IN UNRESTRICTED AREAS.

LAS

Reporting Requirement: 20.2201(b)(1) - THE 30 DAY WRITTEN REPORT FOLLOWING A 20.2201(a) TELEPHONE REPORT.

Keywords:

Keyword: MATERIAL LOST AND NOT FOUND
 Keyword: SEALED SOURCE IONIZING
 Keyword: STATIC ELIMINATOR

Reference Documents:

Reference Document Number:	Entry Date:	Retraction Date:	Type of Report:
EN39637	03/05/2003		EVENT NOTIFICATION
ML030830129	04/09/2003		LICENSEE REPORT
LTR030818	08/26/2003		NRC LETTER

NMED Item Number: 030357

Narrative:

Last Updated: 03/04/2004

The licensee reported the theft of a Niton X-ray Fluorescence (XRF) device (model XL-300, serial #U2830NR2200) that contained a 0.52 GBq (14 mCi) Cd-109 source (serial #0285). The licensee stated that contracted cleaning personnel let an unknown individual into the building on 4/25/2003 after regular business hours. The individual was seen leaving the building with the device's carrying case. The Minneapolis Police Department and the State of Minnesota Nuclear Safety Program were notified of this event. To prevent recurrence, the licensee will store their XRF devices in a locked room within the locked facility and instructed the cleaning personnel to not allow anyone into the building after regular business hours.

Event Date:	Discovery Date:	Report Date:
04/25/2003	04/29/2003	04/29/2003

Licensee/Reporting Party Information:

Regulated By: NRC Reciprocity: NONE
 License Number: GENERAL LICENS Name: SUSTAINABLE RESOURCES CENTER
 Docket Number: NA City: MINNEAPOLIS

Program Code: NR State: MN
 Responsible NRC Region: 3

Site of Event:

Site Name: MINNEAPOLIS State: MN

Additional Involved Party:

License Number: NR City: NR
 Name: NR State: NR

Other Information:

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

Event Cause:

LAS - LOST/ABANDONED/STOLEN

Cause: STOLEN LICENSED MATERIAL, SECURITY MEASURES DEFEATED

Contributing Factors Information:

1 CUSTODIAN/CLEANING SERVICE/TRASH DISPOSAL PERSONNEL

Corrective Actions Information:

LAS

Number: Corrective Action:

1 PERSONNEL RECEIVED ADDITIONAL TRAINING
 2 IMPROVE RADIOACTIVE MATERIAL LABELING AND HANDLING

Source/Radioactive Material Information:

LAS

Source Number:	1	Radionuclide:	CD-109
Source/Material:	SEALED SOURCE GAUGE	Activity (Ci):	0.014
Manufacturer:	NR	Leak Test Results (uCi):	<.005
Model Number:	NR		
Serial Number:	0285		

Device/Associated Equipment Information:

LAS

Device Number:	1	Model Number:	XL-300
Device/Equipment:	FLUORESCENCE ANALYZER	Serial Number:	U2830NR2200
Manufacturer:	NITON CORP.		

Reporting Requirement Information:

LAS

Reporting Requirement: 20.2201(a)(1)(I) - THE IMMEDIATE TELEPHONE REPORT OF ANY LOST, STOLEN, OR MISSING LICENSED MATERIAL IN A QUANTITY GREATER THAN OR EQUAL TO 1,000 TIMES THE APPENDIX C QUANTITIES THAT COULD CAUSE AN EXPOSURE TO PERSONS IN UNRESTRICTED AREAS.

LAS

Reporting Requirement: 20.2201(b)(1) - THE 30 DAY WRITTEN REPORT FOLLOWING A 20.2201(a) TELEPHONE REPORT.

Keywords:

- Keyword: FLUORESCENCE ANALYZER
- Keyword: MATERIAL STOLEN AND NOT RECOVERED
- Keyword: SEALED SOURCE GAUGE

Reference Documents:

Reference Document Number:	Entry Date:	Retraction Date:	Type of Report:
EN39810	04/30/2003		EVENT NOTIFICATION
ML031420747	06/30/2003		LICENSEE REPORT
LTR030715	07/15/2003		NRC LETTER
LTR040303	03/04/2004		NRC LETTER

NMED Item Number: 030709

Narrative:

Last Updated: 09/03/2003

A load of waste from the licensee's facility set off the radiation/monitor alarms at Sure-Way Systems, Incorporated (a medical waste/autoclave facility). The medical waste was returned to the licensee's facility for identification and disposal under DOT Exemption 11406; approval number ND-MN-03-01. The licensee determined that the medical waste contained two Sm-153 vials in a Sharps container with an activity of approximately 12.95 MBq (350 uCi). The event was caused by a new housekeeper at the licensee's facility that cleaned the hot laboratory and inadvertently discarded the Sm-153 that was still undergoing decay-in-storage and was not suitable for disposal. Contributing factors to the event included inadequate procedures. The housekeeper received additional training and the material was ultimately disposed of as waste.

Event Date:	Discovery Date:	Report Date:
06/23/2003	06/23/2003	06/23/2003

Licensee/Reporting Party Information:

Regulated By: NRC Reciprocity: NONE
 License Number: 22-16766-01 Name: DOUGLAS COUNTY HOSPITAL
 Docket Number: 03011610 City: ALEXANDRIA
 Program Code: 02120 State: MN
 Responsible NRC Region: 4

Site of Event:

Site Name: FARGO State: ND

Additional Involved Party:

License Number: NON-LICENSEE City: FARGO
 Name: SURE-WAY SYSTEMS, INC. State: ND

Other Information:

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

Event Cause:

LAS - LOST/ABANDONED/STOLEN
 Cause: INADEQUATE TRAINING

Contributing Factors Information:

1 CUSTODIAN/CLEANING SERVICE/TRASH DISPOSAL PERSONNEL
 2 INADEQUATE PROCEDURES

Corrective Actions Information:

LAS

Number: Corrective Action:

1 PERSONNEL RECEIVE NEW TRAINING
 2 MATERIAL DISPOSED OF AS WASTE

Source/Radioactive Material Information:

LAS

Source Number:	1	Radionuclide:	SM-153
Source/Material:	UNSEALED SOURCE RADIOPHARM	Activity (Ci):	0.00035
Manufacturer:	NR	Leak Test Results (uCi):	NA
Model Number:	NA		
Serial Number:	NA		

Device/Associated Equipment Information:

LAS

Device Number:	1	Model Number:	NA
Device/Equipment:	WASTE, RADIOACTIVE	Serial Number:	NA
Manufacturer:	NR		

Keywords:

Keyword: MATERIAL LOST AND FOUND
Keyword: RADIOACTIVE MATERIAL AT INCINERATOR
Keyword: UNSEALED SOURCE RADIOPHARM
Keyword: WASTE, RADIOACTIVE

Reference Documents:

Reference Document Number: Entry Date: Retraction Date: Type of Report:

ND030002

09/03/2003

AGREEMENT STATE EVENT REPORT

NMED Item Number: 040259

Narrative:

Last Updated: 05/18/2004

Radioactive medical waste from the licensee's mobile nuclear medicine van triggered the radiation monitor alarms at Health Care Environmental Services in Fargo, North Dakota. It appeared that the radioactive medical waste might have been biohazardous waste generated during a dialysis procedure from a patient who received a diagnostic nuclear medicine study using Tl-201 and Tc-99m. A nuclear cardiology specialist from the licensee's facility retrieved the radioactive medical waste from Health Care Environmental Services on 3/5/2004. The specialist transported the waste to their facility under DOT Exemption 11406 (ND-MN-04-01). Upon return, investigation failed to determine the isotope of concern due to the rapid decay to background. The waste was disposed of at the licensee's facility.

Event Date:	Discovery Date:	Report Date:
03/04/2004	03/04/2004	03/04/2004

Licensee/Reporting Party Information:

Regulated By:	NRC	Reciprocity:	NONE
License Number:	22-10258-01	Name:	SAINT CLOUD HOSPITAL
Docket Number:	03002241	City:	SAINT CLOUD
Program Code:	02230	State:	MN
Responsible NRC Region: 3			

Site of Event:

Site Name: FARGO State: ND

Additional Involved Party:

License Number:	NON-LICENSEE	City:	FARGO
Name:	HEALTH CARE ENVIRONMENTAL SERVICES State: ND		

Other Information:

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

Event Cause:

LAS - LOST/ABANDONED/STOLEN
Cause: INADEQUATE PROCEDURE

Corrective Actions Information:

LAS

Number:	Corrective Action:
1	PROCEDURE MODIFIED
2	MATERIAL DISPOSED OF AS WASTE

Source/Radioactive Material Information:

LAS

Source Number:	1		
Source/Material:	UNSEALED SOURCE RADIOPHARM	Radionuclide:	NR
Manufacturer:	NR	Activity (Ci):	NR
Model Number:	NA	Leak Test Results (uCi):	NA
Serial Number:	NA		

Device/Associated Equipment Information:

LAS

Device Number:	1		
Device/Equipment:	WASTE, RADIOACTIVE	Model Number:	NA
Manufacturer:	NR	Serial Number:	NA

Keywords:

- Keyword:** MATERIAL LOST AND FOUND
- Keyword:** RADIOACTIVE MATERIAL AT INCINERATOR
- Keyword:** UNSEALED SOURCE RADIOPHARM
- Keyword:** WASTE, RADIOACTIVE

Reference Documents:

Reference Document Number:	Entry Date:	Retraction Date:	Type of Report:
ND040002	04/13/2004		AGREEMENT STATE EVENT REPORT
LTR040309	04/13/2004		LICENSEE REPORT
LTR040518	05/18/2004		NRC LETTER