

RI - DNMS Licensee Event Report Disposition

Licensee: Dept. of the Navy
 Event Description: Loss of licensed material
 License No: Docket No: MLER-RI:
 Event Date: 4/26/09 Report Date: 6/29/09 HQ Ops Event #:

1. REPORTING REQUIREMENT

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

2. REGION I RESPONSE

<input type="checkbox"/>	Immediate Site Inspection	Inspector/Date	<input type="text"/>
<input type="checkbox"/>	Special Inspection	Inspector/Date	<input type="text"/>
<input checked="" type="checkbox"/>	Telephone Inquiry	Inspector/Date	<input type="text"/>
<input type="checkbox"/>	Preliminary Notification/Report	<input type="checkbox"/>	Daily Report
<input checked="" type="checkbox"/>	Information Entered in RI Log	<input type="checkbox"/>	Review at Next Inspection
<input type="checkbox"/>	Report Referred To: _____		

REPORT EVALUATION

<input checked="" type="checkbox"/>	Description of Event	<input checked="" type="checkbox"/>	Corrective Actions
<input checked="" type="checkbox"/>	Levels of RAM Involved	<input type="checkbox"/>	Calculations Adequate
<input checked="" type="checkbox"/>	Cause of Event	<input type="checkbox"/>	Additional Information Requested from Licensee

MANAGEMENT DIRECTIVE 8.3 EVALUATION

<input type="checkbox"/>	Release w/Exposure > Limits	<input type="checkbox"/>	Deliberate Misuse w/Exposure > Limits
<input type="checkbox"/>	Repeated Inadequate Control	<input type="checkbox"/>	Pkging Failure > 10 rads/hr or Contamination > 1000x Limits
<input type="checkbox"/>	Exposure 5x Limits	<input type="checkbox"/>	Large# Indivs w/Exp > Limits or Medical Deterministic Effects
<input type="checkbox"/>	Potential Fatality	<input type="checkbox"/>	Unique Circumstances or Safeguards Concerns
<input type="checkbox"/>	If any of the above are involved:		<input type="checkbox"/>
<input type="checkbox"/>	Considered Need for IIT	<input type="checkbox"/>	Considered Need for AIT
Decision/Made By/Date: _____			

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

SPECIAL INSTRUCTIONS OR COMMENTS

Will be reviewed in by email inspection

Non-Public

Inspector Signature: [Signature]

Date: 7-16-09

Public-SUNSI REVIEW COMPLETE

Branch Chief Initials: [Signature]

Date: 7-16-09



DEPARTMENT OF THE NAVY
OFFICE OF THE CHIEF OF NAVAL OPERATIONS
2000 NAVY PENTAGON
WASHINGTON, DC 20350-2000

N REPLY REFER TO

6470
Ser N456S/157918
29 June 2009

RADIOACTIVE MATERIAL LOSS REPORT

U.S. Nuclear Regulatory Commission
Division of Nuclear Materials Safety
Region I
475 Allendale Road
King of Prussia, PA 19406

Ladies and Gentlemen:

SUBJECT: LOSS OF LICENSED MATERIAL

Loss of licensed material reportable under Title 10, Code of Federal Regulations, Part 20.2201 occurred with Naval Radioactive Materials Permit No. 19-00019-T5NP, which authorizes distribution and possession of the devices, was issued under the authority of Nuclear Regulatory Commission Master Materials License No. 45-23645-01NA. The enclosed report provides information required by Title 10, Code of Federal Regulations, Part 20.2201(b).

Sincerely,

A handwritten signature in cursive script, reading "L. L. Fragoso", is positioned above the typed name.

L. L. Fragoso
Captain, MSC, U.S. Navy
Executive Secretary
Naval Radiation Safety Committee

Enclosure: 1. Radioactive Material Loss Report

RADIOACTIVE MATERIAL LOSS REPORT

1. The equipment involved an In Flight Blade Inspection System (IBIS) containing radioactive material on a MH-53E aircraft. This IBIS (part number 12210-1, S/N 1443) contained one 500 microcurie Strontium-90 source.
2. On or about 26 April 2009, one IBIS was lost during one of three training flights by a MH-53E helicopter in the vicinity of Panama City, Florida.
3. The most likely disposition of the IBIS is in the water or a sparsely populated area in the vicinity of Panama City municipal airports.
4. The potential for personnel exposure from this device is not likely.
5. Several extensive searches were made to recover the unit.
6. Actions to prevent recurrence are 1) aircrews are directed to conduct post flight inventories and 2) an engineering investigation (EI) has been ordered to identify the failure mode.