

RI - DNMS Licensee Event Report Disposition

~~Event # 52549~~

Licensee:	LER 2017-003, U.S. Department of the Navy, 01/18/17				
Event Description:	Loss of Licensed Material				
License No:	45230450NA	Pocket No:	03024462	MLER-RI:	2017003
Event Date:	01/18/17	Report Date:	02/14/17	HQ Ops Event #:	52549

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
--	---

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 border="1" style="width: 100%; border-collapse: collapse;"> <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 colspan="2" style="text-align: center;">Daily Report</td> </tr> <tr> <td colspan="2" style="text-align: center;"> <input checked="" type="checkbox"/> Review at Next Inspection </td> </tr> </table>	Inspector/Date		Inspector/Date		Inspector/Date		Daily Report		<input checked="" type="checkbox"/> Review at Next Inspection	
Inspector/Date											
Inspector/Date											
Inspector/Date											
Daily Report											
<input checked="" 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 checked="" type="checkbox"/> Cause of Event	<input checked="" type="checkbox"/> Corrective Actions <input type="checkbox"/> Calculations Adequate <input type="checkbox"/> Additional Information Requested from Licensee
--	---

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"/> Deliberate Misuse w/Exposure > Limits <input type="checkbox"/> Pkging 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
If any of the above are involved:	
<input type="checkbox"/> Considered Need for IIT	<input type="checkbox"/> Considered Need for AIT
Decision/Made By/Date: _____	

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
--

6. SPECIAL INSTRUCTIONS OR COMMENTS

Review next biennial inspection - scheduled for June 2017

<input type="checkbox"/> Non-Public <input checked="" type="checkbox"/> Public-SUNSI REVIEW COMPLETE	Inspector Signature: <u>[Signature]</u> Branch Chief Initials: <u>[Signature]</u>	Date: <u>2-23-17</u> Date: <u>2/26/2017</u> Rev. 09/12/13
---	--	---



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

5104
Ser N45/17U132352
February 14, 2017

Mr. Shawn Seeley
License Reviewer
Division of Nuclear Material Safety
U.S. NRC Region I
2100 Renaissance Blvd, Suite 100
King of Prussia, PA 19406-2713

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. 04-57025-T2NP, which authorizes distribution and possession of the devices. This permit 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,

SANDERS.JERRY.NO
RMAN.JR.11340139
70

Digitally signed by
SANDERS.JERRY.NORMAN.JR.1134013970
DN: c=US, o=U.S. Government, ou=DoD,
ou=PKI, ou=USN,
cn=SANDERS.JERRY.NORMAN.JR.1134013970
Date: 2017.02.14 14:57:56 -0500

J. N. SANDERS, JR
CAPT, MSC, USN
Executive Secretary
Naval Radiation Safety Committee

Enclosure: 1. Information Concerning Lost Radioactive Material

Copy to: Naval Sea Systems Command Detachment, Radiological Affairs Support Office

INFORMATION CONCERNING LOST RADIOACTIVE MATERIAL

1. The lost radioactive material consisted of one in flight blade inspection system (IBIS) pressure indicator which was installed on one CH-53E aircraft. The IBIS pressure indicator (P/N: 12210-1, S/N: 293) contained one 500 microcurie Strontium-90 source.
2. The IBIS pressure indicator was last visually accounted for prior to an aircraft flight on January 18, 2017. Much of the flight was over water and maneuvers were conducted over unpopulated woodland adjacent to Marine Corps Air Station (MCAS) New River, North Carolina. During the flight nothing out of the ordinary was noted. After the flight, a post flight inspection was conducted and it was then discovered that an IBIS pressure indicator was missing.
3. The IBIS pressure indicator was discovered missing at 5:45 AM on January 18, 2017 during a post flight inspection when the crew chief went to reinstall the IBIS pressure indicator covers. The likely location of the IBIS pressure indicator is in the water or unpopulated wooded area beneath the aircraft flight path in the New River, North Carolina region.
4. Exposure to individuals from radiation from the IBIS pressure indicator is unlikely due to its likely location in an uninhabited area.
5. Upon discovery of the missing IBIS pressure indicator, the aircraft maintenance crew at MCAS New River immediately performed an inspection of the flight line in the vicinity of the aircraft. On January 18, 2017 at approximately 3:00 PM an extensive foreign object detection walk was conducted on the aircraft parking line. No debris associated with the missing IBIS pressure indicator was found.
6. An inspection was completed on all IBIS pressure indicators installed on aircraft associated with the MCAS New River in order to verify that the IBIS pressure indicators did not exhibit excessive wear indicating the potential for the displacement of an IBIS pressure indicator from the aircraft. MCAS New River aircraft operational and maintenance crew were re-briefed on the importance of vigilant pre-flight and post-flight aircraft inspections in order to identify potential material defects of aircraft components.