

RI - DNMS Licensee Event Report Disposition

Licensee: Cardiology Assoc. of NJ stress treadmill
 Event Description: contamination emanating 15mR/hr near contact w/belt portion of cardiac
 License No: 29-30528-9 Docket No: 03035176 MLER-RI: 2005-011
 Event Date: 1-27-05 Report Date: _____ HQ Ops Event #: _____

1. REPORTING REQUIREMENT

<input type="checkbox"/> 10 CFR 20.1906 Package Contamination <input type="checkbox"/> 10 CFR 20.2201 Theft or Loss <input type="checkbox"/> 10 CFR 20.2203 30 Day Report <input checked="" type="checkbox"/> Other <u>NONE</u>	<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 Report Referred To: _____	Inspector/Date _____ Inspector/Date _____ Inspector/Date _____ <input type="checkbox"/> Daily Report <input checked="" type="checkbox"/> Review at Next Inspection
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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 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

Done August 2005 - follow up on this time

Public Inspector Signature: [Signature] Date: 6/2/05
 Non-Public Branch Chief Initials: [Signature] Date: 6/2/05

Public-SISP REVIEW COMPLETE FAC



RECEIVED
REGION 1

State of New Jersey FEB 14 P12 :55

Richard J. Codey
Acting Governor

Department of Environmental Protection
Division of Environmental Safety & Health
Radiation Protection & Release Prevention Element
Bureau of Environmental Radiation
Radioactive Materials Section
PO Box 415
Trenton, NJ 08625-0415
Phone (609)-984-5462
Fax (609)-633-2210

Bradley M. Campbell
Commissioner

February 8, 2005

Stuart Siepser, M.D.
Cardiology Associates of North Jersey
1777 Hamburg Turnpike, Suite 102
Wayne, NJ 07420

Dear Dr. Siepser:

SUBJECT: Inspection Report

This letter is in reference to the inspection conducted on January 27, 2005 by James McCullough of the Department of Environmental Protection's Bureau of Environmental Radiation of activities authorized by New Jersey State Radioactive Materials License 20643/01 and to the discussion of the inspection findings with Ms. Mary-Ann Luchetta at the conclusion of the inspection.

The inspection was an examination of activities conducted under your license as they relate to radiation safety and compliance with NJSA Title 26:2D, the Radiation Protection Act, NJAC 7:28, the Radiation Protection Code and to conditions of your State Radioactive Materials License. The inspection consisted of selective examinations of procedures and representative records, interviews with personnel and measurements and observations made by the inspector.

During the inspection, no items of non-compliance regarding the use of New Jersey licensed radioactive materials were disclosed. However, activities involving radioactive material not licensed by the State of New Jersey appeared not to be in full compliance with your facility's Radiation Safety Program. Specifically, contamination emanating 15 mR/hr near contact with the belt portion of the cardiac stress treadmill was found. The Nuclear Medicine Technologist had left the office for the day and no other trained personnel were present, thus a wipe analysis could not be performed. An examination of the dose administration records showed that 99m Technetium is the sole isotope used in liquid form at this facility so it was presumed that this was the nature of the contaminant. The inspector demonstrated the exposure rates to a representative of office management, Mary-Ann Luchetta, and replicated the results with the licensee's own

survey meter (Bicron 2000, serial number C512E) to show that the contamination should have been identified during an adequate end-of-day area survey. The contaminated area was covered with absorbent material and the treadmill room was closed to use until the nuclear medicine technologist could decontaminate the spill the following morning. According to surveys recorded by your technologist before leaving on January 27, 2005, the area in question showed no readings elevated above background. This incident should stress the importance of conducting thorough end-of-day area surveys as adequate survey methods should have identified the spill.

No reply to this report is required. A copy of this letter is being forwarded to the United States Nuclear Regulatory Commission (USNRC). If you should have any questions concerning this inspection or any related matter, please contact this office at (609) 984-5462.

Sincerely,



William Cszasz, License Administrator
Radioactive Materials Section

c: NRC Region I