

RI - DNMS Licensee Event Report Disposition

Licensee:	Fox Chase Cancer Center				
Event Description:	Opened P-32 Delivery				
License No:	37-02766-81	Docket No:	03003026	MLER-RI:	2005-014
Event Date:	2-24-05	Report Date:	2-28-05	HQ Ops Event #:	

1. REPORTING REQUIREMENT

<input checked="" 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 checked="" 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%; text-align: center;">3/1/05</td> </tr> <tr> <td>Inspector/Date</td> <td style="text-align: center;">R. RAGLAND / 3/1/05</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	3/1/05	Inspector/Date	R. RAGLAND / 3/1/05	Inspector/Date		<input type="checkbox"/> Daily Report		<input 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 checked="" type="checkbox"/> Cause of Event	<input checked="" type="checkbox"/> Corrective Actions <input checked="" type="checkbox"/> Calculations Adequate - Received from mediphysics <input checked="" type="checkbox"/> Additional Information Requested from Licensee AND received by telephone from mediphysics UBA GE Healthcare
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4. MANAGEMENT DIRECTIVE 8.3 EVALUATION

<input checked="" type="checkbox"/> Release w/Exposure > Limits <input checked="" type="checkbox"/> Repeated Inadequate Control <input checked="" type="checkbox"/> Exposure 5x Limits <input checked="" type="checkbox"/> Potential Fatality <input checked="" type="checkbox"/> If any of the above are involved: <input checked="" type="checkbox"/> Considered Need for IIT Decision/Made By/Date: _____	<input checked="" type="checkbox"/> Deliberate Misuse w/Exposure > Limits 37-27830-02A <input checked="" type="checkbox"/> Pkgng Failure > 10 rads/hr or Contamination > 1000x Limits <input checked="" type="checkbox"/> Large# Indivs w/Exp > Limits or Medical Deterministic Effects <input checked="" type="checkbox"/> Unique Circumstances or Safeguards Concerns <input checked="" type="checkbox"/> Considered Need for AIT
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5. MANAGEMENT DIRECTIVE 8.10 EVALUATION (additional evaluation for medical events only)

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

See Attached Inspector Telephone Call

<input checked="" type="checkbox"/> Public	Inspector Signature: <u>R. Ragland</u>	Date: <u>5/24/05</u>
<input checked="" type="checkbox"/> Non-Public	Branch Chief Initials: <u>JGH</u>	Date: <u>6/8/05</u>



**FOX CHASE
CANCER CENTER**

RECEIVED
REGION 1

'05 MAR -7 P1:52

Radiation Safety Office

*333 Cottman Avenue
Philadelphia, PA 19111
215 728 3021
215 728 2822 (fax)*

**USNRC, Region I
475 Allendale Road
King of Prussia, PA 19406**

March 1, 2005

Dear Ms. Henderson,

I am writing this report as required by 10CFR 20.2201 b (1). The following incident was reported to the NRC Operations Center on February 28, 2005. I am following up with a written report as discussed with you via telephone. I have attached the pertinent facts of the incident, investigation, disposition of the radioactive material and subsequent follow-up action.

Please call me at the number above if you have any additional questions.

Sincerely,

**Karen L. Sheehan
Radiation Safety Officer**

**Cc: R. D. Leedy
T. Garvey**



**FOX CHASE
CANCER CENTER**

Radiation Safety Office

*333 Cottman Avenue
Philadelphia, PA 19111
215 728 3021
215 728 2822 (fax)*

2/28/05

**Report of Opened P-32 Delivery
NRC License # 37-02766-01**

**Description of Material- P-32 Gamma-ATP
Activity 3.1 mCi as of 2/24/05
Shipper- MP Biomedical 2/24/05**

Description of event- The Radiation Safety office was notified by K. Donlon an employee in Purchasing, that a radioactive package was reported as shipped to 7701 Burholme Ave on Friday, 2/24/05 and signed for by a R. Philhurst. It was verified with personnel that this person is not an employee of Fox Chase Cancer Center. There was no record in the Purchasing system that indicated that this package was received on that date. I called the shipper MP Biomedical and they verified the same information by tracking the number 689818957719. I also looked up the tracking number and found 2 separate entries with identical tracking numbers. One was signed for on 2/24/05 and one still listed as the package being on the delivery truck. I went over to the loading dock on 2/28/05 when the FedEx truck arrived and the delivery person handed me the package in question. It was apparent upon inspection that the package was opened previously and resealed. I surveyed and swiped both the outer and inner package material and no contamination was found. The contents appeared to be in tact.

Disposition of the material: The package was put in the locked radioactive waste storage room because the dry ice had melted and the investigator agreed that he would like a new shipment. MP Biomedical agreed to ship out another 2 mCi of P-32 for delivery 2/29/05.

Exposure to individuals: Not knowing where the package was initially received and opened, I cannot determine possible exposure to other individuals. The maximum reading outside the box was 0.280 mR/hr. The maximum reading at the surface of the vial was 1.65 mR/hr (Victoreen 451P ion chamber).

(2)

2/28/05

Corrective Action: The RSO reported the incident by phone to the NRC Operations Center under the requirements 10 CFR20.2201(i) on 2/28/05. The concern was the fact that it is not indicated on the FedEx information, who received and opened the package and the possible exposure to a member of the general public. At the suggestion of Pamela Henderson, NRC Region I office, I called Marvin Sudduth who is the Dangerous Goods contact at FedEx. at 4:30pm and left a voice message asking him for the information on where the package was delivered prior being delivered to Fox Chase. He returned my call on 3/1/05 and stated that the courier was not the usual deliverer for Fox Chase. The package was delivered on 2/24/05 to Nycomed Amersham located at 3520 Progress Drive, Bensalem, PA. It was agreed that Pam Henderson would follow-up at this point.

U.S. NUCLEAR REGULATORY COMMISSION		Conversation Date: March 1, 2005	
TELEPHONE CONVERSATION RECORD		Time: 12:00	
Mail Control or Report No. N/A	License No. 37-27830-02MD 37-02766-01	Docket No. 03003026	
Licensee/Applicant Participant(s): Mark Przekop, Pharmacy Manager Medi-Physics, DBA GE Healthcare 3520 Progress Drive, Suite C Bensalem, PA 19020	Organization: Medi-Physics, DBA GE Healthcare and Fox Chase Cancer Center	Telephone No. 215-245-7805 Medi-Physics	
Person(s) Calling: Randolph C. Ragland, Jr.			
Subject: Package of 2 mCi of P-32 Sent to Wrong Address and Opened			
<p>Summary:</p> <p>I contacted Mark Przekop, Pharmacy Manager GE Health Care regarding NRC Event Notice 41449.</p> <p>Mr. Przekop indicated that a package was received by Medi-Physics, DBA GE Healthcare, NRC License No. 37-27830-02MD at the above address on morning of 2/25/05, and was signed for by a gentleman named Phil Hirsch. Mr. Przekop explained that the package was then forwarded to and received by Katherine Saldanha, a Nuclear Pharmacy technician who is trained to handle and receive radioactive material packages. Mr. Przekop stated that the technician, who was wearing whole body and extremity dosimetry, performed a radiation and contamination survey on the package, opened the package, recognized that the package contained P-32 and was not intended to be received by GE Healthcare, and resealed the package. The package was labeled as a Yellow II package. Surface dose rates were measured at 2.0 mrem/h, the transport index was 0.1, and no contamination was detected. Mr. Przekop stated that the technician resealed and resurveyed the package. GE Healthcare then notified Federal Express that they had received a package intended for the Fox Chase Cancer Center, and asked Federal Express to retrieve the package. Mr. Przekop stated that the package was picked-up by Federal Express shortly after lunch on 2/25/05. Mr. Przekop stated that the pig inside the package was never opened, no contamination was spread, and radiation exposures received by his staff were estimated as non detectable.</p>			
Action Required/Taken: Place Telecon in ADAMS			
Prepared By: Randolph C. Ragland, Jr.		Date: 3/1/05	

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