

* SMC-1161
SNM-296
29-01442-01

04008188
07000314
RI - DNMS Licensee Event Report
03005260 Disposition

Licensee: Ledoux & Company
Event Description: Loss of Licensal Material
License No: Docket No: MLER-RI: 2005-031
Event Date: Report Date: 4-12-05 HQ Ops Event #: 41584

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 checked="" type="checkbox"/>	Immediate Site Inspection	Inspector/Date	<u>D. Johnson / Schin 4/4/05</u>
<input checked="" type="checkbox"/>	Special Inspection	Inspector/Date	<u>April 05</u>
<input type="checkbox"/>	Telephone Inquiry	Inspector/Date	
<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: _____		

3. REPORT EVALUATION

<input checked="" type="checkbox"/>	Description of Event	<input 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

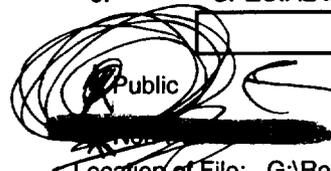
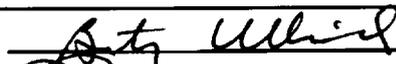
4. MANAGEMENT DIRECTIVE 8.3 EVALUATION

<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"/>	Considered Need for AIT
<input type="checkbox"/>	Considered Need for IIT		
	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

Public  Inspector Signature:  Date: 4/27/05
Branch Chief Initials:  Date: 6/12/05
Location of File: G:\Reference\Blank Forms\2004 LER FORM.wpd Rev. 02/01/05

PUBLIC - SISP REVIEW COMPLETE fmc



359 Alfred Avenue, Teaneck, New Jersey 07666-5755

INDEPENDENT CONTROL AND RESEARCH CHEMISTRY, INSTRUMENTAL AND CHEMICAL ANALYSIS • SAMPLING, WEIGHING, INTERNATIONAL SHIPPERS' REPRESENTATION

RECEIVED
REGION 1

'05 MAY 12 10:13

May 10, 2005

Mr. Samuel Collins
Regional Administrator
US Nuclear Regulatory Commission
Region 1
475 Allendale Road
King of Prussia, PA 19406-1415

RE: NRC File # 41584

Dear Mr. Collins,

The following is a detailed report concerning the possible loss of licensed material that was reported to the NRC by telephone on April 12, 2005 from Ledoux & Company, 359 Alfred Avenue, Teaneck, New Jersey.

The material in question is a four (4) gram sample of enriched uranium aluminum oxide powder that was shipped to Ledoux & Company for routine analysis by BWX Technologies of Lynchburg, Virginia.

The drum that was to contain the material arrived on March 30, 2005 and was placed in a secured area. BWX Technologies was informed that the drum did arrive on that day, but no inspection was made at that time concerning the contents. Mr. Karl Kivulis opened the sealed drum on April 1, 2005 and examined the contents. In the drum, Mr. Kivulis removed a 2.5 liter can containing 6 samples of uranium metal (LEU) as per the documents, but he did not locate a sample of uranium aluminum oxide. He again examined the drum, looking for a can containing the uranium aluminum oxide sample, but again, did not find such a sample, or additional can. He then examined a similar drum that was in the area, thinking that maybe it contained the sample that he was looking for, and found that drum to be empty. He then came to the conclusion that someone had already removed the can with the sample he was looking for and went on to other work.

On April 7, 2005 the drums were routinely checked by John Bryant to confirm that they were empty and clean of surface contamination. They were found to be clean and empty. Any labels were removed and the drums were to be stored for future use. Unfortunately the drums were discarded in the regular trash on April 11, 2005.

RECEIVED
REGION 1
'05 MAY 12 10:13

On April 12, 2005, John Bryant went looking for this missing sample to perform the requested analysis. When he could not locate it, he inquired of Mr. Kivulis as to the location of the sample. After a search for the sample, they came to the conclusion that the sample was not at our location. They then informed me of the situation, and I contacted BWX Technologies on April 13, 2005 to have them check their records. They stated, according to their records, the sample had been sent. The NRC operations center was then notified about the missing sample.

In an effort to find the shipping drums, the trash hauler, Frank Capasso, was contacted as to where the trash that was picked-up on April 12, 2005 would be. Capasso indicated it was delivered to the Miele Transfer Station in Closter New Jersey. Miele concluded that any trash delivered to the transfer station that day could be in landfills in either Pennsylvania or New York. No further action has been taken to recover the drums or the material.

According to the radiological survey from BWX Technologies the missing sample container has a direct reading of <0.1 mrem/hr, which would expose individuals to a minimal amount of radiation. The possible total effective dose equivalent would be less than annual limits.

Ledoux & Company has taken measures to prevent reoccurrence. These measures are that all packages containing radioactive materials will be examined by two (2) employees to verify and document, using a sample receipt form, that the contents and associated documentation are correct upon arrival. The sample receipt form will contain information such as description of the package, its contents, radiation survey and the final disposition of the container. If any discrepancies are found, it would immediately be brought to the Manager of Nuclear Services attention.

If you need any further information please do not hesitate to contact me.

Sincerely,



Charles Avallone
Manager, Nuclear Services

Ledoux & Company

EST. 1880



Tel: 201 837-7160 • Fax: 201 837-1235
<http://www.ledoux.com>

359 Alfred Avenue, Teaneck, New Jersey 07666-5755

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Charles Avallone
Manager, Nuclear Services