

200 Prospect Street
East Stroudsburg, PA
18301-2999



U.S. Nuclear Regulatory Commission
ATTN: Document Control Desk
Washington D.C. 20555

REPLY TO A NOTICE OF VIOLATION; Docket No. 070-01029
License No. SNM-982

Concerning violation A: "Failure to test the source for leakage or contamination has not tested since Nov. 1, 1995 and is required to be tested at intervals not to exceed six months".

The reason for this violation is that the RSO failed to remember to perform these tests.

- The corrective steps taken are:
- 1) The source has been tested and the area surrounding the source has been monitored. The results, negative, are enclosed.
 - 2) A tickle file has been instituted with the secretary and with the RSO for the purpose of reminding the RSO to perform this test every four months. These times will be at the beginning of the Fall and Spring terms and the beginning of the summer sessions.
 - 3) The University will now be informed by Applied Health Physics, Inc. when a leak test is due.

Concerning violation B 1 "A routine survey has not been performed since Nov. 1, 1995.

The reason for this violation is that the RSO failed to remember to perform these tests.

- The corrective steps taken are:
- 1) the routine survey was accomplished at the same time as the wipe test and the results have been logged and found to be negative.
 - 2) A tickle file has been instituted with the secretary and with the RSO for the purpose of reminding the RSO to perform this test every four months. These times will be at the beginning of the Fall and Spring terms and the beginning of the summer sessions.

Concerning violation B-2: "The Ludlum Model 15 (Portable Neutron Survey Meter) is not being commercially calibrated annually.

The reason for this violation is that the University has been alternating calibrating the Ludlum Model 15 with its Ludlum model 3 survey meter. A copy of the calibration certificate for the model 3 survey meter is enclosed. At the time of the inspection the Ludlum model 3 survey meter and its calibration certificate were not found and could not be presented to the inspectors.

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Corrective Steps taken:

1)The Model 15 meter is being sent out for calibration immediately.

On another note, during the inspection it was recommended that the door to the room in which the howitzer is stored, be replaced with a more secure door. ESU has replaced that door with a steel door with tamper proof hinges.

As a final comment please know the University is on the DOE list for disposal of this source and is expecting that process to begin sometime around Jan. of 2000.

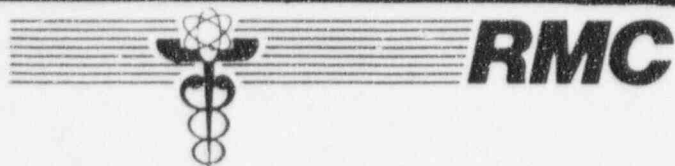


Paul N. Houle, Ph.D.

RSO

cc: Regional Administrator, Region I
US NRC
475 Allendale Rd.
King of Prussia, PA 19406-1415

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CERTIFICATE OF CALIBRATION

Radiation Management Consultants certifies that the instrument listed below was calibrated and inspected before shipment and has met the manufacturer's published specifications. RMC certifies that our calibration measurements are traceable to the National Bureau of Standards. Applicable corrections are made to correct to 22°C and 760 mmHg.

RMC SERVICE NO. 022282

INSTRUMENT IDENTIFICATION Ludlum *3/44-7 35919/020734
(Manufacturer) (Model) (Serial Number)

CALIBRATION SOURCE ID. R59-10 10mCi ¹³⁷Cs A-0009-6 130 Ci ¹³⁷Cs

INSTRUMENT READING

RANGE	CALIBRATION POINT	Before Adjustment	After Calibration
<u>X0.1</u>	<u>0.075 mR/hr</u>	<u>0.12 mR/hr</u>	<u>0.075 mR/hr</u>
	<u>0.150</u>	<u>0.18</u>	<u>0.150</u>
<u>x1</u>	<u>0.50</u>	<u>0.59</u>	<u>0.51</u>
	<u>1.50</u>	<u>1.52</u>	<u>1.45</u>
<u>x10</u>	<u>5.0</u>	<u>5.7</u>	<u>5.2</u>
	<u>15.0</u>	<u>16.0</u>	<u>14.9</u>
<u>x100</u>	<u>50</u>	<u>60</u>	<u>51</u>
	<u>150</u>	<u>170</u>	<u>150</u>

COMMENTS

BKG: 0.02 mR/hr ADD IS SUBTRACTED FROM "AFTER CALIBRATION" READINGS

DOSE RATE RESPONSE WITHIN ±10%

PROBE POSITIONED PERPENDICULAR TO SOURCE DURING CALIBRATION

Calibration

Performed by Ronald Salas

Date FEB. 4, 1997

I certify that the above information is correct.

Authorized Agent C. E. M. See

Title R50

Date 2-4-97

(RMC is not responsible for damage incurred during shipment or use of this instrument)

Applied Health Physics, Inc.

2986 Industrial Blvd., Bethel Park, Pa 15102 Phone: (412) 835-9555 Fax: (412) 835-9559

Mark V Leak Test Certificate

Device Information

Device Serial Number	48077	Source Serial Number	48077
Device Manufacturer	Reactor Experiments	Source Manufacturer	Numec
Device Model	N-17	Source Model	N-17
Device Type:	Other	Make:	Location
Radioisotope:	Pu 239	Activity:	3000 mCi

Leak Test Information

Leak Test Performed by:	Houle	Leak Test Performed on:	5/6/97
Leak Test Specimen Number:	D-010735	Leak Test Analysis Date:	5/13/97
Leak Test Analysis Performed by:	R.B.		
Leak Test Results Indicate an Activity of	< 0.005 uCi		

Notification

The analysis of this leak test sample was provided by Applied Health Physics, Inc. U.S. Nuclear Regulatory Commission License Number 37-09135 and State License Number PA-0228. In the event this specimen indicates leakage and or contamination in excess of 0.005 microcuries, Applied Health Physics, Inc. will notify you promptly by telephone. At such time you will need to take the appropriate actions required by the governing regulatory agency. Applied Health Physics, Inc. is required by our license to report leakage and/or contamination in excess of 0.005 microcuries.

Client Information

East Stroudsburg Univ.	Contact:	Houle
	Phone:	(717) 422-3350
	Contact:	
	Phone:	
East Stroudsburg	PA	18301

This certificate is an essential record and should be maintained for inspection by the regulatory agency.

Next LT Due

11/6/97