



DEPARTMENT OF THE ARMY
UNITED STATES MILITARY ACADEMY
WEST POINT, NY 10996

REPLY TO
ATTENTION OF

J-6

MADN-PHY (11-9n)

27 April 2009

MEMORANDUM FOR Mr. Dennis Lawyer, U.S. Nuclear Regulatory Commission - Region 1,
ATTN: LAT, 475 Allendale Road, King of Prussia, Pennsylvania 19406-1415

SUBJECT: Missing Document from Renewal of US Nuclear Regulatory Commission Licens
BML 31-02102-02, Docket No. 030-00897

1. I have attached the missing close-out survey from Room B16A3 to this memo, in accordance with your phone conversation of 27 April 2009. Please add it to our application for renewal of License BML 31-02102-02 (which you are now treating as a license amendment.)
2. The United States Military Academy (USMA) is a public undergraduate educational institution, accredited by the Middle States Association of Colleges and Schools, offering programs of instruction leading to the bachelor's degree. The USMA is an activity of the United States Army and is supported by appropriated funds. As such, it appears to meet the NRC definition of a "nonprofit educational institution" as per (10 CFR 171.5). We request that USMA be exempted from any fees for this action.
3. Point of contact is the undersigned at (845) 938-5009, or daniel.schultz@usma.edu.

Encl
Close-out survey, Room B16A3

DANIEL B. SCHULTZ
YF-2
Radiation Safety Officer

2009 APR 28 AM 10:38
RECEIVED
REGION 1

143674



REPLY TO
ATTENTION OF:

DEPARTMENT OF THE ARMY
UNITED STATES MILITARY ACADEMY
WEST POINT, NY 10996

MADN-PHYS (11-9n)

22 April 2009

MEMORANDUM FOR U.S. Nuclear Regulatory Commission - Region 1, ATTN: LAT, 475
Allendale Road, King of Prussia, Pennsylvania 19406-1415

SUBJECT: Closeout Survey Bartlett Hall, Room B16A3, as Radiation Use Area

1. We performed a close-out survey of Bartlett Hall Room B16A3 on 26 January 2009. We detected no contamination above background. See the attached survey summary.
2. A recent review of our records showed that Room B16A3 was added as an authorized use area to NRC License No. BML 31-02102-02 in 1998. The room was added as an authorized use area so that a field ion spectrometer (FIS) with a Ni-63 source could be used in that room. B16A3 was not listed as an authorized use area in our license application of June 2001. The FIS was shipped to Edgewood Arsenal, MD in May 2003. We found no record of a closeout survey being done at that time.
3. We were assisted in our closeout survey by Dr. Dawn Rienger who used the FIS in her research for some of the time it was in Room B16A3. She was able to show us where the FIS was in the room.
4. The United States Military Academy (USMA) is a public undergraduate educational institution, accredited by the Middle States Association of Colleges and Schools, offering programs of instruction leading to the bachelor's degree. The USMA is an activity of the United States Army and is supported by appropriated funds. As such it appears to meet your definition of a "nonprofit educational institution" (10 CFR 171.5). Request that USMA be exempted from any fees for this action.
5. POC is the undersigned at (845) 938-5009.

Attachment

A handwritten signature in black ink, appearing to read "Daniel B. Schultz".

DANIEL B. SCHULTZ
YF-2
Radiation Safety Officer

Clearance Survey
Bartlett Hall
Room B16A3

Equipment:

Radiation Levels:

Survey Meter: Fluke Model 451P, SN: 2289, Calibration Date 13 Jun 08, Calibration Due 08 Jun 09
Spot Meter: Eberline Model E-140 with pancake probe, SN 1892, Calibration Date: 28 Oct 08,
Calibration Due: 26 Apr 09

Background radiation survey: 6 $\mu\text{R}/\text{h}$

Removable contamination:

Ludlum Model 2929 Alpha/Beta Scaler, S/N 216264, with Ludlum Model 43-10-1 Alpha/Beta
Counter, S/N PR-229368
Calibration Date: 28 Oct 08, Calibration Due: 23 Oct 09

Minimum detectable activity = α : 4.6 cpm (0.000005 μCi)/ β/γ : 35.9 cpm (0.000173 μCi)

Results:

Sample Location (see room diagram)	Description	Exposure Rate ($\mu\text{R}/\text{h}$)	Removable Contamination (α) (dpm/100 cm^2)	Removable Contamination (β/γ) (dpm/100 cm^2)
1	Hallway outside of B16 (background)	6	2.4	143.2
2	Inside hallway outside of B16A3	6	0.8	126.8
3	Position 1 of FIS	6	0.2	128.6
4	Position 2 of FIS	3	0.2	126.2
5	Floor	7	1.6	128.6

Diagram of Bartlett Hall, Room B16A3
(Not to scale)

