



DEPARTMENT OF THE ARMY
HEADQUARTERS, US ARMY COMMUNICATIONS-ELECTRONICS COMMAND
AND FORT MONMOUTH
FORT MONMOUTH, NEW JERSEY 07703-5000

REPLY TO
ATTENTION OF

December 5, 1997

Directorate of Safety
Risk Management

U.S. Nuclear Regulatory Commission
Region I
475 Allendale Road
King of Prussia, Pennsylvania 19406-1415

Attention: Licensing Assistance Section

This refers to U.S. Nuclear Regulatory Commission (NRC)
License Number 29-01022-06, Docket Number 030-05248 and your
letter dated October 16, 1997, subject: Inspection No. 030-
05248/97-001 (enclosure 1).

As a result of your October 16, 1997 letter to us regarding
the use of the J.L Shepherd and Associates Model 81-14Q in
Building [] an additional collimator has been permanently installed to further collimate the radiation beam. As a result of this action, no additional shielding or changes to the existing structures had to be made. During the week of November 24, 1997, the J.L Shepherd and Associates representative re-calibrated and re-certified this calibrator for use with the 130 curies (Ci) of Cesium-137 (Cs-137) and is currently capable of operating at this activity. Radiation measurements of Building [] has been performed and are provided at enclosure 2 for your information. This survey reveals that our calibration facility is controlled to meet the requirements of Title 10, Code of Federal Regulations, Part 20. Roof access points have been posted and access to the roof is not authorized while the calibrator is in use. Ex 2 Ex 2

Based on the above and since regulatory compliance has been achieved without modifying the building construction or adding additional shielding, we will, as necessary, begin to utilize the 130 Ci Cs-17 source in support of our calibration mission.

If we can provide you with anything further in this matter our point of contact is Mr. Barry J. Silber, or the undersigned,

Information in this record was deleted
in accordance with the Freedom of Information
Act, exemptions 2
FOIA-2006-0238 HHH/16

on Facsimile (732) 532-6403 or (732) 542-7161; Voice on (732) 427-4427/3112.

Sincerely,



STEVEN A. HORNE
Director, Safety
Risk Management

Enclosures

Copy Furnished:
Commander, U.S. Army Materiel Command, ATTN: AMCSF-P, 5001
Eisenhower Avenue, Alexandria, Virginia 22333-0001



UNITED STATES
NUCLEAR REGULATORY COMMISSION

REGION I
475 ALLENDALE ROAD
KING OF PRUSSIA, PENNSYLVANIA 19406-1415

OCT 16 1997

Steven A. Horne
Director, Safety Risk Management
Department of the Army
U.S. Army Communications -
Electronics Command AMSEL-SF-RER
Fort Monmouth, New Jersey 07703-5024

SUBJECT: INSPECTION NO. 030-05248/97-001

Dear Mr. Horne:

On September 29 and 30, 1997, Richard Gibson, Jr. of this office conducted a safety inspection at the Charles Wood Area and the Evans Area of Fort Monmouth of activities authorized by the NRC license listed below. The inspection was an examination of your licensed activities as they relate to radiation safety and to compliance with the Commission's regulations and the license conditions. The inspection consisted of observations by the inspector, interviews with personnel, and a selective examination of representative records. In addition, our inspection examined the activities covered in your correspondence dated October 6, 1997. The findings of the inspection were discussed with you and members of your staff, at the conclusion of the inspection.

Based on our discussion at the conclusion of the inspection and the results of the radiation survey conducted by representatives from J.L. Shepherd with Steven Shaffer of this office on the exterior of Building 2540, we have determined that an amendment to your license is required prior to use of the 130 curie cesium-137 calibration source. The survey detected radiation levels greater than 2 millirem per hour, the limit for unrestricted areas, outside the boundaries of the facility when the 130 curie source is fully exposed. We understand from your correspondence dated October 6, 1997, that you have electronically disconnected the source to prohibit its use until you install additional shielding. We further understand that you will conduct radiation measurements of Building 2540 before using the 130 curie source for calibration, and will amend your license to show that your facility is adequately shielded and/or controlled to meet the applicable regulations in 10 CFR Part 20 when this source is in use. If any of our understandings are incorrect, please inform us in writing.

Within the scope of this inspection, no violations were identified.

In accordance with Section 2.790 of the NRC's "Rules of Practice," Part 2, Title 10, Code of Federal Regulations, a copy of this letter will be placed in the Public Document Room. No reply to this letter is required.


ENC1 1

Steven A. Horne
Department of the Army

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Your cooperation with us is appreciated.

Sincerely,


for John D. Kinneman, Chief
Nuclear Materials Safety Branch 2
Division of Nuclear Materials Safety

Docket No.: 030-05248
License No.: 29-01022-06

cc:
Joseph M. Santarsiero, Radiation Safety Officer
State of New Jersey

Building ^{EX 2} Calibration Range

Instrument: Ludlum 5

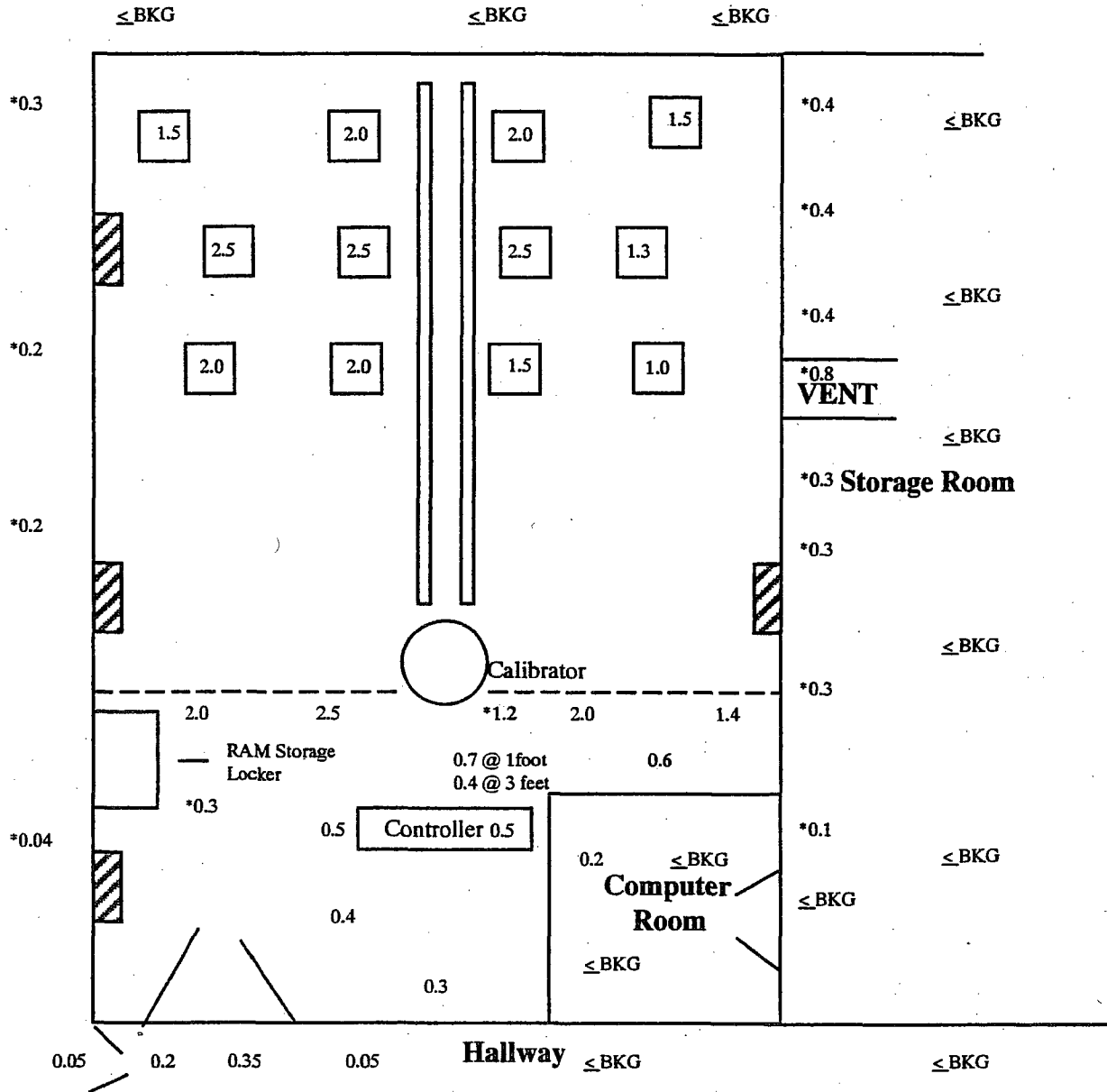
Serial #: 113149

Cal Due Date: 16 May 1998

Probe: N/A

Serial #: N/A

Pre-Op checks performed: Sat/Unsat



LEGEND: * Contact Reading □ : Outside, roof of Bldg. Background: 0.03 mR/hr

NOTE: All readings are in mR/hr at waist level unless otherwise indicated. Survey performed with 130 curie source in the exposed position.

Performed By: Burt Cummings

Date: 1 DEC 1997

Reviewed By: Darryl Selzer

Date: 1 Dec 1997

ENCL 2