

**ENCLOSURE 2-6**  
**LISTS OF RESTRICTED AREAS (30.35(g)(3)(i))**

STRNC-ZSR

13 July 1989  
/MHP/

MEMORANDUM FOR Mr. Joseph Hohmann, C, Eng & Housing Div, LE&HD

SUBJECT: Maintenance in Radiation Controlled Areas

1. Reference AMC-R 385-3, paragraph 20 (o), Radiation Protection.
2. The above referenced U.S. Army Materiel Command regulation requires "maintenance that must be performed in a radiation controlled area will be cleared with the Radiation Protection Officer."
3. Currently the locations at this Center where radioactive materials are being used or stored and hence are radiation controlled areas are as follows:
  - a. Health Clinic, Building #30, Rooms #101, 103 and 108.
  - b. USARIEM, Building #42, Rooms #223, 244, 245 and 347.
  - c. Development Building, Building #4, Rooms #115B and 320.
4. If there are any future maintenance actions to be performed in the above areas or questions, please contact me at X-5208, or Mr. John F. Sieckarski, Alternate Radiation Protection Officer, X-4758.

PAUL G. ANGELIS  
Chief, Installation Safety Office

CF:

Mr. Joel Seifer, Dir, LE&HD  
Mr. Anthony Campano, LE&HD  
Mr. Edward Doheney, LE&HD  
Mr. George Kotros, LE&HD  
Mr. William Generre, LE&HD  
Mr. Michael Duff, LE&HD  
Mr. Warren Clark, LE&HD  
Mr. William Mercier, LE&HD  
Mr. Robert Petherick, LE&HD  
Mr. Harvey Picconi, LE&HD  
Mr. John F. Sieckarski, ISO

SURVEY AND MONITORING WORK SHEET

30  
Broom  
4/15/81

Room No. 223 Laboratory Supervisor Dr. Hubbard

Division/Branch ARIEM

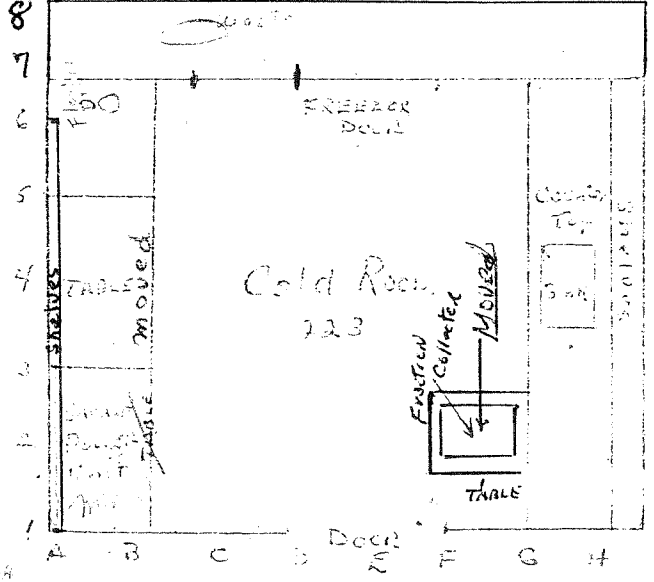
Surveyor Sieckarski Date 17 APRIL 1981

Instruments Used \_\_\_\_\_

Source of Radiation/Radionuclides I<sup>131</sup> C<sup>14</sup> 3H

Results/Comments \_\_\_\_\_

Floor Plan Sketch - Location of Radiation Measurements and Smear Tests



J. Sieckarski  
MARRISON  
Signature of Surveyor

SURVEY AND MONITORING WORK SHEET

Room No. A-244 Laboratory Supervisor Dr. Francesconi. D.uchio

Division/Branch ARIEM

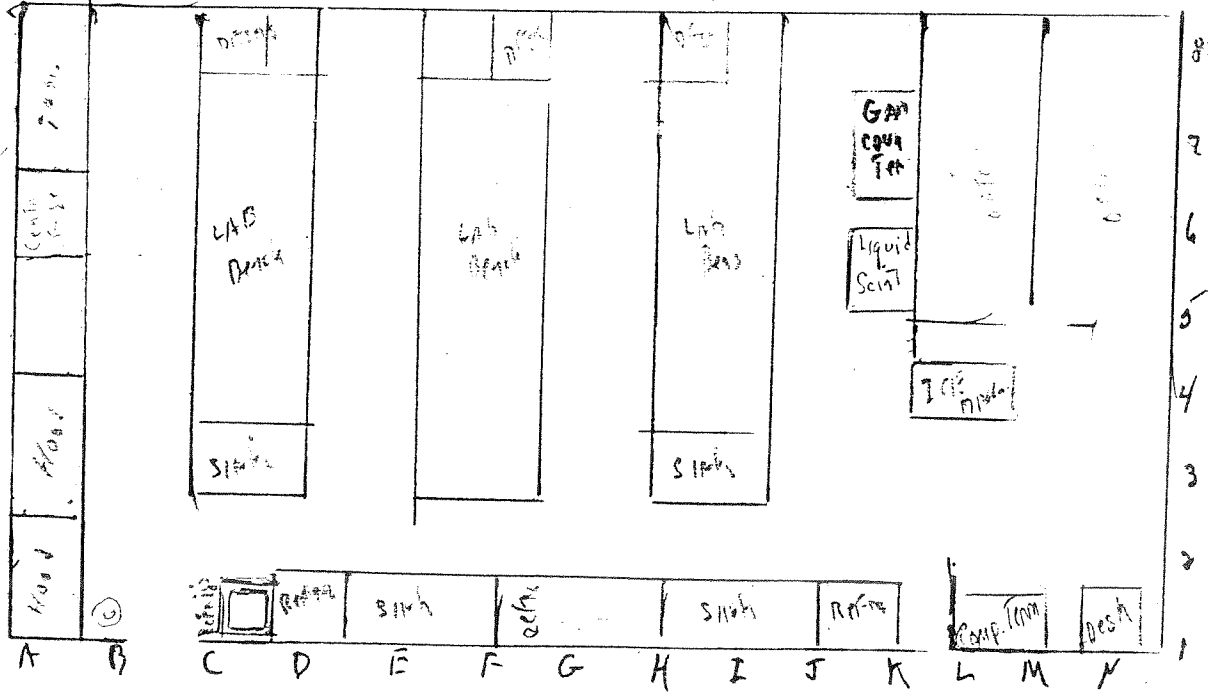
Surveyor \_\_\_\_\_ Date \_\_\_\_\_

Instruments Used \_\_\_\_\_

Source of Radiation/Radionuclides <sup>125</sup>I  
<sup>3</sup>H <sup>14</sup>C

Results/Comments \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Floor Plan Sketch - Location of Radiation Measurements and Smear Tests



Signature of Surveyor

*D.F. Francesconi*

SURVEY AND MONITORING WORK SHEET

Room No. A 245 Laboratory Supervisor KRAMER

Division/Branch ARTEM

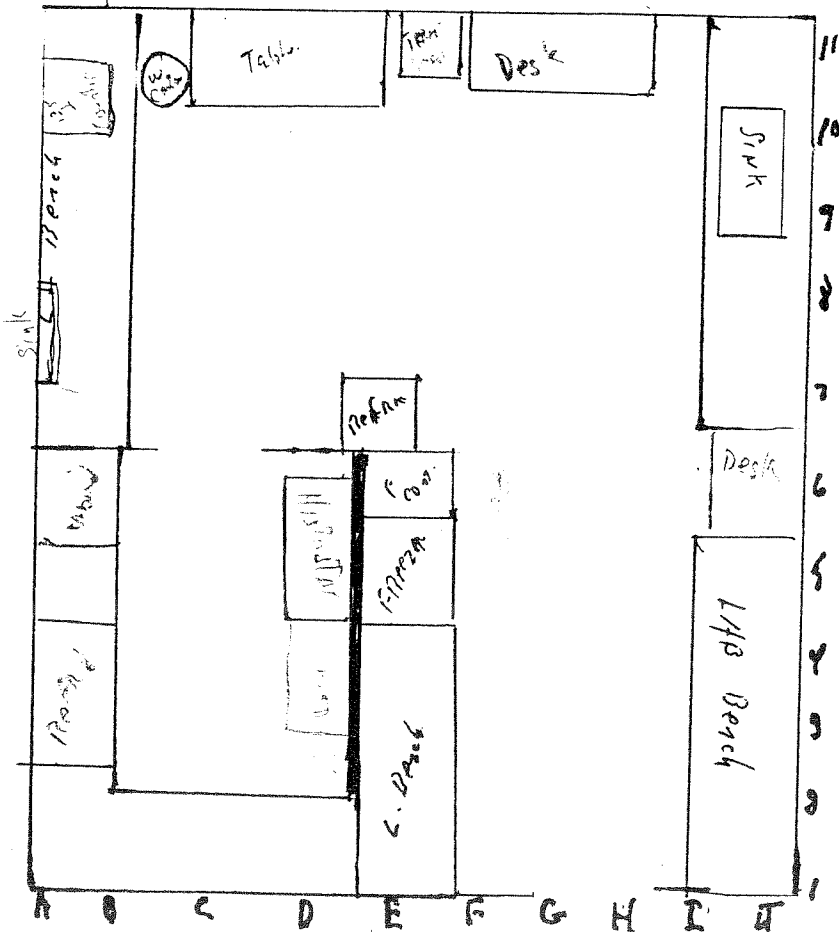
Surveyor \_\_\_\_\_ Date \_\_\_\_\_

Instruments Used \_\_\_\_\_

Source of Radiation/Radionuclides <sup>105</sup>I

Results/Comments \_\_\_\_\_

Floor Plan Sketch - Location of Radiation Measurements and Smear Tests



*[Signature]*  
Signature of Surveyor

SURVEY AND MONITORING WORK SHEET

Room No. A-347 Laboratory Supervisor Du Bose David

Division/Branch Cold Div. ARIEM

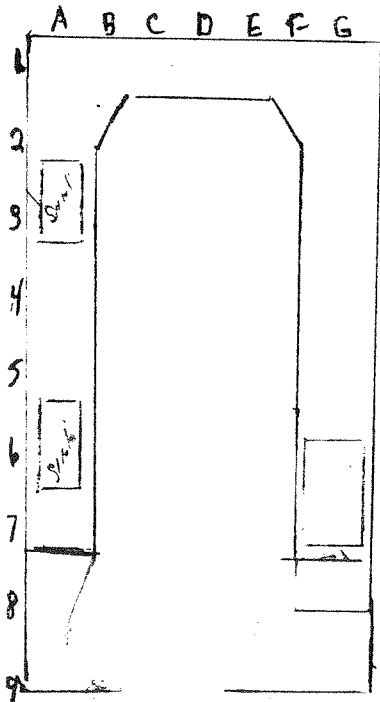
Surveyor \_\_\_\_\_ Date \_\_\_\_\_

Instruments Used \_\_\_\_\_

Source of Radiation/Radionuclides  $^{125}\text{I}$   $^3\text{H}$

Results/Comments  $^{125}\text{I}$

Floor Plan Sketch - Location of Radiation Measurements and Smear Tests



[Signature]  
Signature of Surveyor

SURVEY AND MONITORING WORK SHEET

Room No. D-320 Laboratory Supervisor Kaplan D DR  
 Division/Branch SATD Lombardi  
 Surveyor \_\_\_\_\_ Date 21 March 1984  
 Instruments Used \_\_\_\_\_

Source of Radiation/Radionuclides  $^{14}C$   $^3H$

Results/Comments 1'

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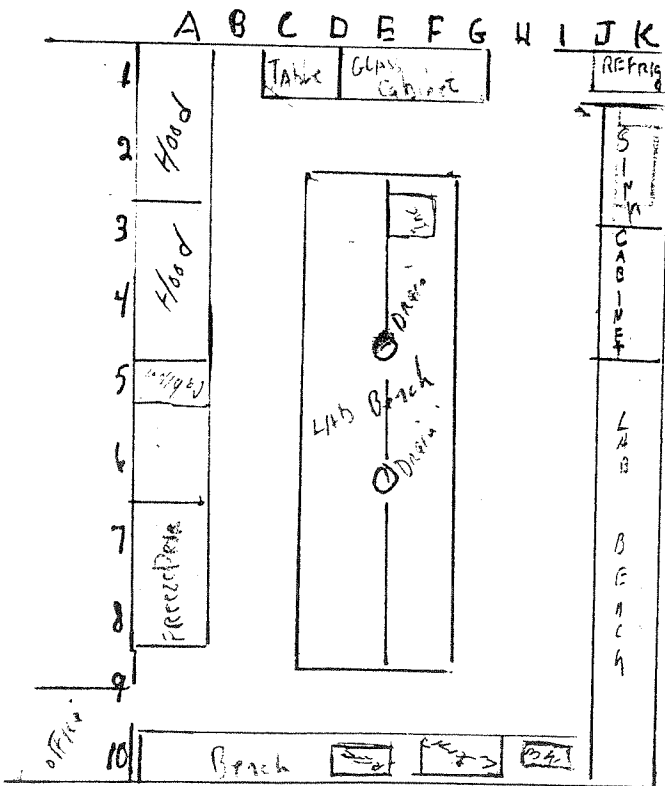


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Floor Plan Sketch - Location of Radiation Measurements and Smear Tests



J.F. Lechman  
 Signature of Surveyor

5 December 1989

MEMORANDUM FOR

Chief, Security

Fire Marshall

SUBJECT: Laboratories Using Radioactivity

1. Very low levels of radioactive materials are used or stored in the rooms listed below. These levels do not represent any significant threat to the health of fire fighting or security personnel.
2. No special precautions other than those required in a laboratory environment are necessary in these rooms.
3. Routine monitoring of the use of radioactivity in these laboratories is conducted by the Safety and Radiation Protection Staff.

<u>Rooms</u>	<u>Directorate</u>	<u>Radionuclides/ Maximum Amount</u>
D320	SSD	$^{32}\text{P}$ , $^{14}\text{C}$ , $^3\text{H}$ /10mCi
D113A	SSD	$^{14}\text{C}$ , $^3\text{H}$ /1mCi
HC 101,103	Safety	$^{14}\text{C}$ , $^3\text{H}$ . 125wl/10mCi
HC 108	Safety	Mixed/10mCi
244	USARIEM	$^{125}\text{I}$ /10mCi
233	USARIEM	$^{125}\text{I}$ /10mCi
347	USARIEM	$^3\text{H}$ , $^{125}\text{I}$ /1mCi

4. Any questions concerning the use of this material can be directed to Mr. Thomas G. Martin, Ext. 4588 or Mr. John F. Sieckarski Ext. 4758.



THOMAS G. MARTIN  
Radiation Protection Officer

CF:

P. Angelis  
J. Sieckarski



8 June 1993

MEMORANDUM FOR Mr. Benjamin Brusco, Security Officer, LESO  
 SGT Reed, Actg Chief, LESO  
 Mr. Joseph Hohmann, Fire Marshal, I-ESD  
 Mr. Joseph Murphy, Fire Inspector, I-ESD

SUBJECT: Laboratories Using Radioactivity

1. Very low levels of radioactive materials are used or stored in the rooms listed below. These levels do not represent any significant threat to the health of fire fighting or security personnel.
2. No special precautions other than those required in a laboratory environment are necessary in these rooms.
3. Routine monitoring of the use of radioactivity in these laboratories is conducted by the Safety and Radiation Protection Staff.

ROOMS	DIRECTORATES	RADIONUCLIDES/MAXIMUM AMOUNT
D320	SSD	$^{45}\text{C}$ , $^{32}\text{P}$ , $^{14}\text{C}$ , $^3\text{H}/10\text{mCi}$
D317	SSD	$^{32}\text{P}$ , 1mCi
D312	SSD	$^{14}\text{C}$ , $^3\text{H}$ , $^{35}\text{S}$ , $1/2\text{mCi}$
HC 101,103	Safety	Mixed 1uCi/20mCi
D310	SSD	$^3\text{H}$ , $^{32}\text{P}$ , 1mCi
*HC 108 (*Denotes waste storage area)	Safety	Mixed/500mCi
247	USARIEM	$^{125}\text{I}$ , $^3\text{H}$ , 1/4mCi

SATNC-ZSR (385-10a)  
SUBJECT: Laboratories Using Radioactivity

218	USARIEM	$^{125}\text{I}$ , 1mCi
233 (Walk-in Freezer)	USARIEM	$^{125}\text{I}$ , $^3\text{H}$ , 10mCi
347-348	USARIEM	$^3\text{H}$ , $^{125}\text{I}$ , 1mCi
245	USARIEM	$^{125}\text{I}$ , $^3\text{H}$ , $^{14}\text{C}$ , 1/20mCi

4. Any questions concerning the use of this material can be directed to Mr. John F. Sieckarski, X-4758, or Mr. Paul G. Angelis, X-5208.



JOHN F. SIECKARSKI  
Alternate RPO  
Installation Safety Office

✓ CF:

Paul G. Angelis, C, ISO

10 May 1991

MEMORANDUM FOR Mr. Benjamin E. Bruso, Security Officer, LESO

Mr. Joseph Murphy, Fire Marshal, LEHD

SUBJECT: Laboratories Using Radioactivity

1. Very low levels of radioactive materials are used or stored in the rooms listed below. These levels do not represent any significant threat to the health of fire fighting or security personnel.
2. No special precautions other than those required in a laboratory environment are necessary in these rooms.
3. Routine monitoring of the use of radioactivity in these laboratories is conducted by the Safety and Radiation Protection Staff.

<u>Rooms</u>	<u>Directorate</u>	<u>Radionuclides/ Maximum Amount</u>
D320	SSD	$^{32}\text{P}$ , $^{14}\text{C}$ , $^3\text{H}/10\text{mCi}$
D318	SSD	$^{32}\text{P}$ , 1mCi
D113A	SSD	$^{14}\text{C}$ , $^3\text{H}/1\text{mCi}$
HC 101, 103	Safety	$^{14}\text{C}$ , $^3\text{H}$ , $^{125}\text{I}/10\text{mCi}$
*HC 108 (*Denotes waste storage area)	Safety	Mixed/500mCi
244	USARIEM	$^{125}\text{I}$ , $^3\text{H}/1/10\text{mCi}$
233	USARIEM	$^{125}\text{I}/10\text{mCi}$
347	USARIEM	$^3\text{H}$ , $^{125}\text{I}/1\text{mCi}$
245	USARIEM	$^{125}\text{I}$ , $^3\text{H}$ , $^{14}\text{C}$ , 1/20mCi

4. Any questions concerning the use of this material can be directed to Mr. John F. Sieckarski, X-4758 or Mr. Paul G. Angelis, X-5208.



JOHN F. SIECKARSKI

Alternate Radiation Protection Officer

CF:

Paul G. Angelis, C, ISO

24 March 1992


MEMORANDUM FOR Mrs. Jackie Hope, Acting Security Officer, LESO  
 Chief Thomas E. Jones, LESO  
 Mr. Joseph Hohmann, Fire Marshal, I-ESD  
 Mr. Joseph Murphy, Fire Inspector, I-ESD

SUBJECT: Laboratories Using Radioactivity

1. Very low levels of radioactive materials are used or stored in the rooms listed below. These levels do not represent any significant threat to the health of fire fighting or security personnel.
2. No special precautions other than those required in a laboratory environment are necessary in these rooms.
3. Routine monitoring of the use of radioactivity in these laboratories is conducted by the Safety and Radiation Protection Staff.

ROOMS	DIRECTORATES	RADIONUCLIDES/MAXIMUM AMOUNT
D320	SSD	$^{45}\text{C}$ , $^{32}\text{P}$ , $^{14}\text{C}$ , $^3\text{H}$ /10mCi
D317	SSD	$^{32}\text{P}$ , 1mCi
D312	SSD	$^{14}\text{C}$ , $^3\text{H}$ , $^{35}\text{S}$ , 1/2mCi
HC 101, 103	Safety	$^{60}\text{Co}$ , $^{14}\text{C}$ , $^3\text{H}$ , $^{125}\text{I}$ , 1/20mCi
D310	SSD	$^3\text{H}$ , $^{32}\text{P}$ , 1mCi
*HC 108 (*Denotes waste storage area)	Safety	Mixed/500mCi
244	USARIEM	$^{125}\text{I}$ , $^3\text{H}$ , 1/4mCi
218-219	USARIEM	$^{125}\text{I}$ , 1mCi
233 (Walk-in Freezer)	USARIEM	$^{125}\text{I}$ , $^3\text{H}$ , 10mCi
347-348	USARIEM	$^3\text{H}$ , $^{125}\text{I}$ , 1mCi
245	USARIEM	$^{125}\text{I}$ , $^3\text{H}$ , $^{14}\text{C}$ , 1/20mCi

4. Any questions concerning the use of this material can be directed to Mr. John F. Sieckarski, X-4758, or Mr. Paul G. Angelis, X-5208.

  
 JOHN F. SIECKARSKI  
 Alternate Radiation Protection Officer  
 Installation Safety Office

CF:  
 Paul G. Angelis, C, ISO

7 June 1994

MEMORANDUM FOR Mr. Benjamin Brusco, Security Officer, LESO  
 Mr. Anthony Campano, Fire Marshal, PWD  
 Mr. Joseph Murphy, Fire Inspector, PWD

SUBJECT: Laboratories Using Radioactivity

1. Very low levels of radioactive materials are used or stored in the rooms listed below. These levels do not represent any significant threat to the health of fire fighting or security personnel.
2. No special precautions other than those required in a laboratory environment are necessary in these rooms.
3. Routine monitoring of the use of radioactivity in these laboratories is conducted by the Safety and Radiation Protection Staff.

ROOMS	DIRECTORATES	RADIONUCLIDES/MAXIMUM AMOUNT
D320	S&TD	$^{45}\text{C}$ , $^{32}\text{P}$ , $^{14}\text{C}$ , $^3\text{H}/10\text{mCi}$ , $^{35}\text{S}$
D316	S&TD	$^{35}\text{S}$ , 2uCi
D312	S&TD	$^{14}\text{C}$ , $^3\text{H}$ , $1/2\text{mCi}$
HC 101,103	Safety	Mixed 1uCi/20mCi
*	Safety (Outside Bldg. #30)	Mixed/500mCi
(*Denotes waste storage area)		
247	USARIEM	$^{125}\text{I}$ , $^3\text{H}$ , 1/4mCi

SATNC-ZSR (385-10a)

SUBJECT: Laboratories Using Radioactivity

218	USARIEM	$^{125}\text{I}$ , $^3\text{H}$ , 1mCi
233 (Walk-in Freezer)	USARIEM	$^{125}\text{I}$ , $^3\text{H}$ , 10mCi
347-348	USARIEM	$^3\text{H}$ , $^{125}\text{I}$ , 1mCi
245	USARIEM	$^{125}\text{I}$ , $^3\text{H}$ , $^{14}\text{C}$ , 1/20mCi
345	USARIEM	$^{125}\text{I}$ , 1/2uCi <i>1988</i>

4. Any questions concerning the use of this material can be directed to Mr. John F. Sieckarski, X-4758, or Mr. Paul G. Angelis, X-5208.



JOHN F. SIECKARSKI  
Alternate RPO  
Installation Safety Office

CF:

Paul G. Angelis, C, ISO

11 July 1995

MEMORANDUM FOR Mr. Benjamin Brusco, Security Officer, LESO  
 Mr. Anthony Campano, Fire Marshal, PWD  
 Mr. Joseph Murphy, Fire Inspector, PWD  
 Mr. John J. Manning, Chief, ESO

SUBJECT: Laboratories Using Radioactivity

1. Very low levels of radioactive materials are used or stored in the rooms listed below. These levels do not represent any significant threat to the health of fire fighting or security personnel.
2. No special precautions other than those required in a laboratory environment are necessary in these rooms.
3. Routine monitoring of the use of radioactivity in these laboratories is conducted by the Safety and Radiation Protection Staff.

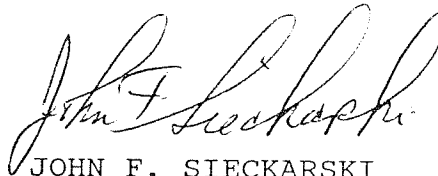
ROOMS	DIRECTORATES	RADIONUCLIDES/MAXIMUM AMOUNT
D320	S&TD	$^{45}\text{C}$ , $^{32}\text{P}$ , $^{14}\text{C}$ , $^3\text{H}/10\text{mCi}$ , $^{35}\text{S}$
D316	S&TD	$^{35}\text{S}$ , 2uCi
D312	S&TD	$^{14}\text{C}$ , $^3\text{H}$ , $1/2\text{mCi}$
HC 101,103	Safety	Mixed 1uCi/20mCi
*	Safety (Outside Bldg. #30)	Mixed/500mCi
(*Denotes waste storage area)		
247	USARIEM	$^{125}\text{I}$ , $^3\text{H}$ , 1/4mCi

AMSSC-S-ENS (385-10a)

SUBJECT: Laboratories Using Radioactivity

218	USARIEM	$^{125}\text{I}$ , $^3\text{H}$ , 1/10mCi
233 (Walk-in Freezer)	USARIEM	$^{125}\text{I}$ , $^3\text{H}$ , 10mCi
347	USARIEM	$^3\text{H}$ , $^{125}\text{I}$ , 1mCi
245	USARIEM	$^{125}\text{I}$ , $^3\text{H}$ , $^{14}\text{C}$ , 1/20mCi
345	USARIEM	$^{125}\text{I}$ , 1/2uCi

4. Any questions concerning the use of this material can be directed to Mr. John F. Sieckarski, X-4758, or Mr. Paul G. Angelis, X-5208.



JOHN F. SIECKARSKI  
Alternate RPO  
Installation Safety Office

CF:  
Paul G. Angelis, RPO, ESO



MEMORANDUM FOR Mr. Benjamin Brusco, Security Manager, Chief LESO  
 Mr. Edward Doheney, Fire Marshall, Actg. Director PWD  
 Mr. Joseph Murphy, Fire Inspector, PWD  
 Mr. Joel McCassie, HAZMAT Team, ESHO

**SUBJECT:** Annual Notification of Use and Storage of Radioactive Materials

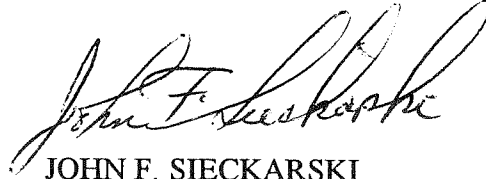
1. The U.S. Nuclear Regulatory Commission (NRC) requires Licensees to notify maintenance and emergency response personnel of those areas where radioactive materials are used or stored. Additionally, your personnel need to be informed of the necessary safety and health precautions to be prevent or minimized the potential for exposure.
2. The U.S. Army Soldier Systems Command as a NRC Licensee currently uses several radioactive isotopes in limited quantities as part of laboratory investigations. These isotopes are used in laboratories that are designated with "CAUTION - RADIOACTIVE MATERIALS" signs and stored in locked refrigerators when not being used. Potential exposure levels do not represent any significant threat to the health of security or fire fighting personnel. No special protective clothing, equipment, or precautions beyond those required in a laboratory fire or chemical spill would be necessary.
3. Maintenance personnel should consult with Mr. Paul G. Angelis, Radiation Protection Officer, at extension 5208 or the undersigned at extension 4758 prior to maintenance, repair or removal of any fixed or portable equipment in the following locations:

<b>Location</b>	<b>Radioisotopes Used</b>
Health Clinic, Room #101 & 103	H-3, C-14, Cr-51, I-125, Co-60, Cs-137, & sealed check sources
Low Level Waste Storage Bldg. #89	H-3, C-14, Cr-51, I-125
USARIEM, Room #218	H-3, I-125
USARIEM, Room #233 (Freezer)	H-3, C-14, I-125
USARIEM, Room #245	H-3, C-14, I-125
USARIEM, Room #247	Cr-51, I-125
USARIEM, Room #345	Urinal Acetate, U-238
USARIEM, Room #347 & 348	H-3, I-125

AMSSC-S-ENS (385-11e)

SUBJECT: Annual Notification of Use and Storage of Radioactive Materials

4. Additionally, radioactive materials have been previously used in numerous laboratories through out the Installation. These laboratories have ceased using radioactive materials, yet the sink traps remain marked "CAUTION - RADIOACTIVE MATERIALS" and should not be opened or removed prior to analysis for removable radioactive contamination. Should you have any questions or the necessity to effect repair and/or removals please contact me directly.

A handwritten signature in black ink, appearing to read "John F. Sieckarski". The signature is fluid and cursive, with a large initial "J" and "S".

JOHN F. SIECKARSKI

Alternate Radiation Protection Officer

MEMORANDUM FOR Mr. Benjamin Brusco, Security Manager, Chief LESO  
 Mr. Edward Doheney, Fire Marshall, Actg. Director PWD  
 Mr. Joseph Murphy, Fire Inspector, PWD  
 Mr. Joel McCassie, HAZMAT Team, ESHO

SUBJECT: Annual Notification of Use and Storage of Radioactive Materials

1. The U.S. Nuclear Regulatory Commission (NRC) requires Licensees to notify maintenance and emergency response personnel of those areas where radioactive materials are used or stored. Additionally, your personnel need to be informed of the necessary safety and health precautions to be prevent or minimized the potential for exposure.

2. The U.S. Army Soldier Systems Command as a NRC Licensee currently uses several radioactive isotopes in limited quantities as part of laboratory investigations. These isotopes are used in laboratories that are designated with "CAUTION - RADIOACTIVE MATERIALS" signs and stored in locked refrigerators when not being used. Potential exposure levels do not represent any significant threat to the health of security or fire fighting personnel. No special protective clothing, equipment, or precautions beyond those required in a laboratory fire or chemical spill would be necessary.

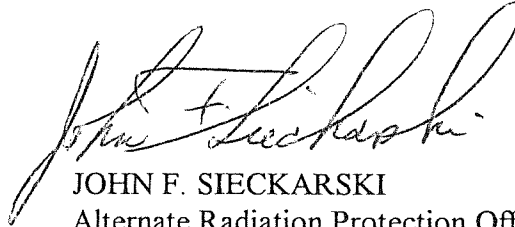
3. Maintenance personnel should consult with Mr. Paul G. Angelis, Radiation Protection Officer, at extension 5208 or the undersigned at extension 4758 prior to maintenance, repair or removal of any fixed or portable equipment in the following locations:

<b>Location</b>	<b>Radioisotopes Used, Micro (<math>10^{-6}</math>) Curie Amounts</b>
Health Clinic, Room #101 & 103	H-3, C-14, I-125, Co-60, Ni-63, Cs-137, & check (sealed) and calibration sources
Low Level Waste Storage Bldg. #89	H-3, C-14, I-125
USARIEM, Room #218	H-3, I-125 (currently not being used)
USARIEM, Room #233 (Freezer)	H-3, C-14, I-125
USARIEM, Room #245	H-3, C-14, I-125
USARIEM, Room #247	I-125
USARIEM, Room #345	Urinal Acetate (Uranium-238)
USARIEM, Room #347 & 348	H-3, I-125 (currently not being used)

AMSSB-OES(N) (385-11e)

SUBJECT: Annual Notification of Use and Storage of Radioactive Materials

4. Additionally, radioactive materials have been previously used in numerous laboratories through out the Installation. These laboratories have ceased using radioactive materials, yet the sink traps remain marked "CAUTION - RADIOACTIVE MATERIALS" and should not be opened or removed prior to analysis for removable radioactive contamination. Should you have any questions or the necessity to effect repair and/or removals in these areas please contact me directly.

A handwritten signature in black ink, appearing to read "John F. Sieckarski". The signature is fluid and cursive, with a large initial "J" and "S".

JOHN F. SIECKARSKI

Alternate Radiation Protection Officer

21 August 2000

MEMORANDUM FOR Mr. Carl Taylor, Jr., Security Manager, Chief LESO  
 Mr. Edward Doheney, Fire Marshall, Actg. Director PWD  
 Mr. Joseph Murphy, Fire Inspector/ HAZMAT Team Leader, PWD

SUBJECT: Annual Notification of Use and Storage of Radioactive Materials

1. The U.S. Nuclear Regulatory Commission (NRC) requires Licensees to notify maintenance and emergency response personnel of those areas where radioactive materials are used or stored. Additionally, your personnel need to be informed of the necessary safety and health precautions to be prevent or minimized the potential for exposure.
2. The U.S. Army Soldier Systems Command as a NRC Licensee currently uses several radioactive isotopes in limited quantities as part of laboratory investigations. These isotopes are used in laboratories that are designated with "CAUTION - RADIOACTIVE MATERIALS" signs and stored in locked refrigerators when not being used. Potential exposure levels do not represent any significant threat to the health of security or fire fighting personnel. No special protective clothing, equipment, or precautions beyond those required in a laboratory fire or chemical spill would be necessary.
3. Maintenance personnel should consult with Mr. Paul G. Angelis, Radiation Protection Officer, at extension 5208 or the undersigned at extension 4758 prior to maintenance, repair or removal of any fixed or portable equipment in the following locations:

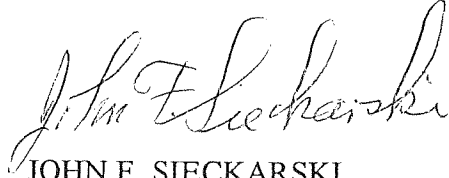
Location	Radioisotopes Used, Micro ( $10^{-6}$ ) Curie Amounts
Health Clinic, Room #101 & 103	H-3, C-14, I-125, Co-60, Ni-63, Cs-137, & check (sealed) and calibration sources
Low Level Waste Storage Bldg. #89	H-3, C-14, I-125
USARIEM, Room #218	H-3, C-14, I-125
USARIEM, Room #247	I-125
USARIEM, Room #345	Urinal Acetate (Uranium-238)

4. Additionally, radioactive materials have been previously used in numerous laboratories through out the Installation. These laboratories have ceased using radioactive materials, yet the sink traps remain marked "CAUTION - RADIOACTIVE MATERIALS" and should not be

AMSSB-OES(N) (385-11e)

SUBJECT: Annual Notification of Use and Storage of Radioactive Materials

opened or removed prior to analysis for removable radioactive contamination. Should you have any questions or the necessity to effect repair and/or removals in these areas please contact me directly.

A handwritten signature in black ink, appearing to read "John F. Sieckarski". The signature is written in a cursive style with a large, looped initial "J".

JOHN F. SIECKARSKI

Alternate Radiation Protection Officer

MEMORANDUM FOR Mr. Carl Taylor, Jr., Security Manager, Chief LESO  
 Mr. Edward Doheney, Fire Marshall, Actg. Director PWD  
 Mr. Joseph Murphy, Fire Inspector/ HAZMAT Team Leader, PWD  
 Mr. Yuir Meylikov, Facilities Manager, USARIEM  
 Mr. Thomas Flaherty, Technical Services Team  
 Mr. David Venezia, Operations and Maintenance Team

SUBJECT: Use and Storage of Radioactive Materials

1. The U.S. Nuclear Regulatory Commission (NRC) requires Licensees to notify ancillary personnel (preventive maintenance and emergency response) of those areas where radioactive materials are used or stored. Additionally, your design engineer and contractor personnel need to be informed of the safety and health precautions to prevent or minimized the potential for exposure to ionizing radiation.
2. The U.S. Army Soldier and Biological Chemical Command – Soldier Systems Center as a NRC Licensee currently uses radioactive isotopes in limited (micro Curie) quantities as part of laboratory investigations. These isotopes are used in laboratories that are designated with "CAUTION - RADIOACTIVE MATERIALS" signs and stored in locked refrigerators when not being used. Potential exposure levels do not represent any significant threat to the health of security or fire fighting personnel. No special protective clothing, equipment, or precautions beyond those required in a laboratory fire or chemical spill would be necessary.
3. Maintenance and contractor's personnel must consult with Mr. John F. Sieckarski, Alternate Radiation Protection Officer, at extension 4758 or the undersigned at extension 5208 prior to maintenance, repair or removal of any fixed or portable equipment in the following locations:

<b>Location</b>	<b>Radioisotopes Used, Micro (<math>10^{-6}</math>) Curie Amounts</b>
Health Clinic, Room #101 & 103	H-3, C-14, I-125, Co-60, Ni-63, Cs-137, and check & calibration sources(sealed)
Low Level Waste Storage Bldg. #89	H-3, C-14, I-125
USARIEM, Room #218	H-3, C-14, I-125
USARIEM, Room #247	I-125
USARIEM, Room #345	Urinal Acetate (Uranium-238)

4. Additionally, radioactive materials have been previously used in numerous laboratories throughout the Installation. These laboratories have ceased using radioactive materials, yet the sink traps remain marked "CAUTION - RADIOACTIVE MATERIALS" and should not be opened or

AMSSB-OES(N) (385-11e)

SUBJECT: Notification of Use and Storage of Radioactive Materials

removed prior to analysis for removable radioactive contamination. Should you have any questions or plans to effect repair and/or removals in these areas please contact Mr. Sieckarski or myself directly.



PAUL G. ANGELIS

CF:

Mr. Primo Borelli, PWD

Mr. Robert Mitchell, PWD

Mr. William Mercier, PWD

Dr. Michael Durkot, USARIEM

Mr. John Sieckarski, ARSO



MEMORANDUM FOR Mr. Joseph Hohmann, Director PWT  
 Mr. Carl Taylor, Jr., Security Manager, Chief SMT  
 Mr. Joseph Murphy, Fire Inspector/ HAZMAT Team Leader, PWT  
 Mr. Thomas Flaherty, Operations & Maintenance Team, PWT  
 Mr. Joel McCassie, Actg. Executive Assistant, DCIM

SUBJECT: Annual Notification of Use and Storage of Radioactive Materials

1. The U.S. Nuclear Regulatory Commission (NRC) requires Licensees to notify maintenance and emergency response personnel of those areas where radioactive materials are or have been used or stored. Your personnel who perform maintenance and emergency response in these locations need to be informed of the necessary safety and health precautions to prevent or minimized their potential for exposure to radioactive materials.
2. The U.S. Army Soldier and Biological and Chemical Command, Soldier Systems Center, as a NRC Licensee currently uses several radioactive isotopes in limited quantities as part of laboratory investigations. These isotopes are used in laboratories that are designated with "CAUTION - RADIOACTIVE MATERIALS" signs and stored in locked designated refrigerators when not being used by researchers. Potential radiation exposure levels do not represent any significant threat to the health of security or fire fighting personnel. No special protective clothing, equipment, or precautions beyond those required in a laboratory fire or chemical spill would be necessary.
3. Although, without a prior radiation survey for radioactive contamination, your maintenance personnel or contractors should not conduct maintenance, repair, or removal of any fixed or portable equipment in the following locations:

<b>Location</b>	<b>Radioisotopes Used, Micro (<math>10^{-6}</math>) Curie Amounts</b>
Health Clinic, Room #101 & 103	H-3, C-14, I-125, Co-60, Ni-63, Cs-137, and check & calibration sources (sealed)
Low Level Waste Storage Bldg. #89	H-3, C-14, I-125
USARIEM, Room #218	H-3, C-14, I-125
USARIEM, Room #247	I-125
USARIEM, Room #345	Urinal Acetate (Uranium-238)

4. Additionally, radioactive materials have been used in numerous laboratories through out the Research and USARIEM Buildings. The use of radioactive materials in these laboratories has

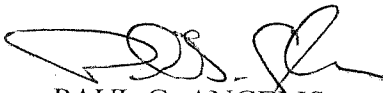
SUBJECT: Annual Notification of Use and Storage of Radioactive Materials

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Research Bldg., Rooms #114, 131/133, 132, 136, 138/140, 214, 305, 307, 308, 309, 311, 319, 322, 326, & 336.

USARIEM, Rooms #028, 203, 207, 216, 219, 244, 304, 347

5. Should you have any questions or the necessity to effect repair and/or removals in these locations please contact Mr. John S. Sieckarski at extension 4758 or I may be reached at extension 5208.



PAUL G. ANGENIS  
Radiation Safety Officer

CF:

Mr. Primo Borelli, PWT

Mr. Robert Mitchell, PWT

Mr. John Sieckarski, Alternate RSO

MEMORANDUM FOR Mr. Yury Meylikhov, Facilities Manager, U.S. Army Research Institute  
of Environmental Medicine

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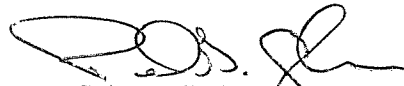
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AMSSB-OES(N) (385-11e)

24 August 2001

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PAUL G. ANGELIS  
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 Mr. Richard Polley, Security Manager, Chief SMT  
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 Mr. Primo Borelli, PWT  
 Mr. David Duncan, Technical Services Team, PWT  
 Mr. Aleksandr Radzinsky, Technical Services Team, PWT  
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AMSSB-OES(N)

28 October 2002


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PAUL G. ANGELIS  
Radiation Safety Officer

MEMORANDUM FOR Mr. Yury Meylikhov, Facilities Manager, U.S. Army Research Institute  
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AMSSB-OES(N)

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A handwritten signature in black ink, appearing to read 'Paul G. Angelis', is positioned above the typed name.

**PAUL G. ANGELIS**  
Radiation Safety Officer

CF:

Dr. Michael Durkot, USARIEM



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AMSSB-OES(N)

28 January 2002

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