DEPARTMENT OF THE ARMY
WALTER REED ARMY MEDICAL CENTER
WALTER REED HEALTH CARE SYSTEM
WASHINGTON, DC 20307-5001

REPLY TO
ATTENTION OF

MCHL-HP (385-11p) 5 March 1998

MEMORANDUM FOR Commander, Walter Reed Army Institute of Research, Washington, DC 20307

SUBJECT: Decommissioning of Building 508, Forest Glen Section

1. REFERENCES. See Appendix A for a list of references.

2. PURPOSE.

a. The Nuclear Regulatory Commission (NRC) requires the radiological decommissioning of sites as well as separate buildings and outdoor areas where licensed activities have ceased, even while licensed activities continue to be conducted at other site locations. The criteria to decommission a building is when: (1) the licensee has decided to permanently cease principal activities; or (2) no principal activities have been conducted in such an area for a period of 24 months. Principal activities concluded in July 1995, and there is no planned use of radioactive materials in building 508 for the foreseeable future.

b. The Nuclear Regulatory Commission Region I has been notified of the proposed decommissioning of building 508 in an official correspondence letter dated 12 December 1997. A reply to the proposed decommissioning letter has been received by the Health Physics Office, dated 14 January 1998, indicating the records of the building decommissioning would be reviewed at a future inspection by the NRC.

c. This survey was conducted to determine the presence and extent of any radiological health hazards in Building 508, Forest Glen Section, Silver Springs, Maryland. This survey also verified that any remaining residual radioactivity in the building surveyed is in compliance with the NRC and State of Maryland guidelines for the decontamination of facilities prior to release for unrestricted use.

3. GENERAL.

a. Radioactive material used in building 508 was used by several Walter Reed Institute of Research (WRAIR) laboratories used under NRC License 08-10738-02, managed by the WRAMC Health Physics Office.

b. Building 508 was an authorized location as indicated in Paragraph 10, Location of Use, WRAMC Forest Glen Section and Annex, of Amendment 69 of the WRAMC Broadscope NRC License number 08-01738-02. Since the building was not specifically listed in the license, no amendment to the license will be required.

c. The survey decommissioning project was managed by CPT Arthur Morton, Chief, Health Physics Operations. The sampling and meter surveys of building 508 were supervised by SSG Bruce Fontaine and SGT John Dupuis, Health Physics Office. Samples were made or collected by Health Physics Office staff and five supervised workers provided by WRAIR.

d. Laboratory analyses were performed by the WRAMC Health Physics Office laboratory.

e. A list of definitions and abbreviations is included in Appendix B.

f. Building diagrams, survey measurements, and resurvey measurements are provided in Appendix C.

g. A list of survey instruments and laboratory counters, calibration records, the minimum detectable activity for each instrument and the quality control charts used for this survey are provided in Appendix D.

4. BACKGROUND.

a. A review of the historical records and interviews with personnel who worked in building 508 was conducted by CPT Morton. The building was used by WRAIR as a research laboratory facility and used unsealed radioactive materials in rooms 106, 108A, 114, 115, 117, 124, 136 and 137 as indicated on the building diagram in Appendix C.

b. The unsealed radioactive materials used in the building include H-3, C-14, P-32, P-33, S-35, Cr-51, and I-125. Typically the amounts used were microcurie quantities per experiment, however, the authorizations could have on hand up to a few millicuries of the various radionuclides. Based on the short half-lives of many of the radionuclides used, the nuclides of primary concern for this survey are H-3, C-14, and perhaps S-35.

c. All of the laboratories using radioactive materials ceased operations and had their rooms finaled by the Health

Physics Office from October 1995 to July 1996. All records for room finals and equipment finals for the affected rooms are maintained in the Health Physics Office files.

d. During the historical review, all room survey records were examined for any spills, findings of room contamination, or other items of concern. All spills or evidence of contamination were promptly decontaminated at the time of the incident or upon finding elevated readings. The surveyors conducting this building decontamination were given room diagrams and locations of previous spills or locations of contamination, the radionuclide, and the date of the incident.

e. The building was occupied during the survey process, and the building decontamination schedule was facilitated by LTC Max Grogle, WRAIR.

5. RADIATION SURVEY INSTRUMENTATION.

a. Based on the results of the historical review, it was determined that this building would be surveyed for potential beta and gamma emitting radionuclides. The historical review found no unsealed alpha sources were ever used at this location.

b. All portable survey instruments were checked for proper operation prior to use each day. Operational checks for field instrumentation as outlined in NUREG/CR-5849 were used as the standard for this decommissioning process.

c. The portable survey meters were set to 1-minute digital scaler mode and recorded 5 measurements for background and check sources, and one measurement for each grid location. Background measurements were made each day in the center of the room being inspected. Daily results were compared to previous results to ensure there was not an elevated background in a particular room.

d. Portable meters were checked against NIST traceable check sources each day prior to use. A 1.81 μCi on December 1972 Cs-137 or a 0.106 μCi on 19 June 1985 Cs-137 check source was used for the gamma meter and a 0.135 μCi on 26 March 1977 C-14 check source was used for the beta meter.

e. Blank smear samples were run through both the automated swipe counters. Random check sources were run through the automated swipe counters, using Cr-51 and Cs-137 check sources

for the auto-gamma and H-3 and C-14 daily calibration standards and quench standards for the liquid scintillation counter (LSC).

6. RADIATION SURVEY TECHNIQUES.

a. The survey grid system used was an alphanumeric designator system using cardinal coordinates as recommended in NUREG/CR-5849. North was taken as the front of the building and not necessarily aligned with magnetic north. The coordinate system and approximately magnetic north are indicated on the building and room diagrams.

b. The floor and the walls were grided in 1 meter squares. The walls were surveyed up to 2 meters in height. If a square had elevated readings, the area was decontaminated. Subsequent measurements of potentially contaminated areas were made by further subdividing the squares into 33 cm squares.

c. The entire floor, walls up to 2 meters, counter tops, drawers, and any equipment in an affected room was surveyed. Random samples in unaffected areas were taken in locations chosen by the surveyors where they believed contamination could spread, or could have collected over time. These include cracks in walls or floors, holes in walls, drains, vents, lighting fixtures, etc.

d. If an elevated meter reading was found that was at least 3 times background, the area was decontaminated and resurveyed. If the auto-gamma or LSC indicated that an area had potential contamination measurements of more than 50 dpm, the area was decontaminated and resurveyed.

e. The results of the meter surveys, background measurements and check source measurements were recorded on the survey forms, signed and dated by the surveyor as recommended by NUREG/CR-5849.

f. The LSC counted each sample for 5 minutes. All results were recorded in 3 channels based on contiguous energy regions; H-3 region 0-15 keV, C-14 region 15-150 keV, and a higher energy beta region > 150 keV. The LSC automatically calculates the dpm for H-3 and C-14 based on the daily calibration sources run through each of the LSCs. Each line item in the LSC printout includes the survey location, the dpm for H-3 channel, the dpm for the C-14 channel, and the cpm for the highest energy channel. The dpm calculation will then be determined based on the efficiency of the particular radionuclide as determined by the beta curve.

g. The auto-gamma counted each sample for 5 minutes. All results were recorded in 6 channels based on contiguous energy regions from 15 to 1400 keV. Each line item in the auto-gamma report includes the survey location and the counts in each contiguous energy region. The mean, minimum, and maximum measurement for each room excluding the background and check source measurements are shown at the end of each report.

7. INSTRUMENT SURVEY RESULTS.

a. Beta-Gamma Meter Results. A fixed meter reading was obtained using the Eberline ESP-1 or ESP-2 in the digital scaler mode set at 1-minute per sample. Meter readings were made in each grid square at a distance of less than 5-mm from the surface. All results by survey location are included in Appendix C. The highest reading for the building was 69.1 cpm at 508-117F2 when subtracted from background. The 2σ for this location is 21.5 cpm, and the MDA for the detector for this location is 1273 cpm. None of the field instrument readings exceed the release criteria.

b. Gamma Meter Results. A fixed meter reading was obtained using the Bicron Analyst in the digital scaler mode set at 1-minute per sample. Meter readings were made in each floor grid square at a distance of about 1-m above the floor. All results by survey location are included in Appendix C. The highest reading for the building was 132.4 cpm at 508-117F4E2 when subtracted from background. The 2σ for this location is 40.1 cpm, and the MDA for the detector for this location is 196 cpm. None of the field instrument readings exceed the release criteria.

c. LSC Results. Wipe samples were collected for each grid location by swiping approximately 100-cm^2. Blank samples were used to screen for cross contamination, and tritium, carbon-14, and iodine-125 spikes were used as quality control measures. All results by survey location are included in Appendix C. The quality control documentation is included in Appendix D. Since the primary concern for this survey was contamination due to tritium or carbon-14, any location that exceeded 50 dpm in either the tritium or carbon-14, or > 150 keV energy channel was decontaminated and reswiped. The highest reading for the building was 3174 dpm of H-3 at 508-106D1. After decontamination, the highest reading was 10.38 dpm with the blank sample reading 12.77 dpm. After decontamination of several locations, all locations are well below the release criteria.

d. Auto-Gamma Results. Wipe samples were collected for each grid location by swiping approximately 100-cm². Blank samples were used to screen for cross contamination, and cesium-137 and chromium-51 spikes were used as quality control measures. All results by survey location are included in Appendix C. The quality control documentation is included in Appendix D. None of the auto-gamma instrument readings exceed the release criteria.

Releaseable Surface Contamination Levels (dpm/100cm²)			
Nuclide	Average	Maximum	Removable
I-125	100	300	20
H-3, C-14, P-32, P-33, S-35, Cr-51	5,000	15,000	1,000

Note: In this table dpm/100cm² means the rate of emission by radioactive material as determined by the measured cpm by an appropriate factor as determined by the background, efficiency, and geometric factors associated with the instruments.

Reference: *Guidelines for Decontamination of Facilities and Equipment Prior to Release for* Unrestricted Use or Termination of Licenses for Byproducts, Source or Special Nuclear Material, U.S. Nuclear Regulatory Commission, April 1993.

8. CONCLUSION. A review of all the survey results indicate that there are no radiological health hazards remaining in building 508, Forest Glen Section.

9. RECOMMENDATION. Recommend that building 508 be released for unrestricted use.

ARTHUR R. MORTON
CPT, MS
Chief, Health Physics Operations

APPROVED:

WILLIAM B. JOHNSON
COL, MS
Chief, Health Physics Office

APPENDIX A
REFERENCES

1. AR 385-11, 1 May 1980, Ionizing Radiation Protection (Licensing, Control, Transportation, Disposal, and Radiation Safety).

2. NUREG/CR-5849, Manual for Conducting Radiological Surveys in Support of License Termination, Draft Report for Comment, June 1992.

3. NUREG-1500, Working Draft Regulatory Guide on Release Criteria for Decommissioning: NRC Staff's Draft for Comment, August 1994.

4. NRC Administrative Letter 96-05: Compliance with the Rule "Timeliness in Decommissioning of Material Facilities," (59 FR 36026-36040, 15 July 1996), 5 November 1996.

5. Title 10, Code of Federal Regulations, Part 20, Standards for Protection Against Radiation.

6. Medical Health Physics Radiation Consultation No. 28-MF-6209-98, Historical Data Review, Walter Reed Army Institute of Research, Washington, DC, August - December 1997.

7. Reference letter, MCHL-HP, 12 December 1997, to the Nuclear Regulatory Commission, Region I, Division of Nuclear Material Safety, 475 Alendale Road, King of Prussia, Pennsylvania 19406-1415, Subject: Timliness Rule Notification for buildings 500, 506, 508, 511, and 512 Forest Glen Section Silver Springs, MD and building 40, Walter Reed Army Medical Center, Washington, DC.

8. Reference letter, Nuclear Regulatory Commission, Region I, 14 January 1998, to the RPO, WRAMC, MCHL-HP, Subject: Receipt of Timliness Rule Notification for buildings 500, 506, 508, 511, and 512 Forest Glen Section Silver Springs, MD and building 40, Walter Reed Army Medical Center, Washington, DC.

9. U.S. NRC Form 374, U.S. Nuclear Regulatory Commission Materials License, Department of the Army, Walter Reed Army Medical Center, Number 08-01738-02, Amendment 69, 26 March 1997.

APPENDIX B
ABBREVIATIONS AND DEFINITIONS

SECTION I

ALARA
as low as reasonably achievable

ALI
annual limit of intake

AR
Army Regulation

Bkd
background

Cal
calibration

CEDE
committed effective dose equivalent

CFR
Code of Federal Regulations

CG
Commanding General

cm
centimeter

cm^2
square centimeter

CPM
counts per minute

DA
Department of the Army

dpm
disintegrations per minute

eff
efficiency

eV
electron volt

FY
fiscal year

Gy
gray

h
hour

IAW
in accordance with

m
meter

µCi
microcurie

µm
micrometer

µR/hr
microroentgen per hour

mCi
millicurie

mg
milligram

mm
millimeter

mrad
millirad

mSv
millisievert

MDA
minimum detectible activity

NIST
National Institute of Standards and Technology

NRC
U.S. Nuclear Regulatory Commission

NUREG
Nuclear Regulatory Guide

QA
quality assurance

RAM
radioactive material

RCC
radiation control committee

RPO
radiation protection officer

sn
serial number

SOP
standing operating procedure

Sv
sievert

TEDE
total effective dose equivalent

USACHPPM
U.S. Army Center for Health Promotion and Preventive Medicine

Section II Terms

ALARA
Acronym for "as low as is reasonably achievable" means making every reasonable effort to maintain exposures to radiation as far below applicable dose limits as is practicalconsistent with the purpose for which the activity is undertaken, taking into account

the state of technology, the economics of improvements in relation to benefits to the public health and safety, and other societal and socioeconomic considerations and in relation to utilization of nuclear energy and licensed materials in the public interest.

Annual limit of intake (ALI)
The derived limit for the amount of radioactive material taken into the body of an adult worker by inhalation or ingestion in a year. ALI is the smaller value of intake of a given radionuclide in a year that would result in a committed effective dose equivalent of 5rems (0.05Sv) or a committed dose equivalent of 50rems (0.5Sv) to any organ or tissue.

Army regulation
A directive that sets forth missions, responsibilities, and policies, and establishes procedures to ensure uniform compliance with those policies.

Becquerel (Bq)
The SI unit of radioactivity equivalent to one nuclear transformation per second.

Byproduct material
Any radioactive material (except special nuclear material) yielded in or made radioactive by exposure to the radiation incident to the process of producing or utilizing special nuclear material.

Committed dose equivalent
The dose equivalent to organs or tissue of reference that will be received from an intake of radioactive material by an individual during the 50 year period following the intake.

Committed effective dose equivalent
The sum of the products of the weighting factors applicable to each of the body organs or tissues that are irradiated and the committed dose equivalent to these organs or tissues.

Commodity, radioactive
See Radioactive commodity

Curie
A unit of radioactivity equal to 37 billion becquerels.

Decommission
To remove (as a facility) safely from service and reduce residual radioactivity to a level that permits release of the property for unrestricted use and termination of the Nuclear Regulatory Commission license, Army reactor permit, or Army radiation authorization.

Deep-dose equivalent
Applies to external whole-body exposure and is the dose equivalent at a tissue depth of 1 centimeter (1000 mg/cm2).

Dose equivalent
The product of absorbed dose in tissue, quality factor and all other necessary modifying factors at the location of interest in tissue. The units of dose equivalent are the rem and sievert (Sv).

Effective dose equivalent
The sum of the products of the dose equivalent to the organ or tissue and the weighting factors applicable to each of the body organs or tissues that are irradiated.

Electron volt (eV)
A unit of energy equal to 1.6×10^{-19} joule.

Eye dose equivalent
Applies to the external exposure of the lens of the eye and is taken as the dose equivalent at a tissue depth of 0.3 centimeter (300 mg/cm^2).

Giga- (G)
An SI unit prefix indicating a factor of one billion (10^9).

Gray (Gy)
The SI unit of absorbed dose. One gray is equal to an absorbed dose 1 joule/kilogram (100 rads).

Installation
A grouping of facilities located in the same vicinity, which support particular functions. Installations may be elements of a base. Land and improvements permanently affixed thereto which are under the control of the Department of the Army and used by Army organizations. Where installations are located contiguously, the combined property is designated as one installation and the separate functions are designated as activities of that installation. In addition to those used

primarily by troops, the term "installation" applies to real properties such as depots, arsenals, ammunition plants (both contractor and Government operated), hospitals, terminals, and other special mission installations.

Ionizing radiation
Charged subatomic particles and ionized atoms with kinetic energies greater than 12.4 eV, electromagnetic radiation with photon energies greater than 12.4 eV, and all free neutrons and other uncharged subatomic particles (except neutrinos and antineutrinos because they produce negligible ionization).

Kilo- (k)
An SI unit prefix indicating a factor of 1000.

Micro- (m)
An SI unit prefix indicating a factor of one one-millionth (10^{-6}).

Milli- (m)
An SI unit prefix indicating a factor of one one-thousandth (0.001).

Qualified expert
A person who by virtue of training and experience can provide competent authoritative guidance about certain aspects of radiation protection. Being a qualified expert in one aspect of radiation protection does not necessarily imply that a person is a qualified expert in another aspect. Forward requests for determination of whether a certain individual is a qualified expert through command channels to the MACOM RPSO as necessary. Forward these requests to HQDA (DACS-SF), Washington, DC 203100200, for further evaluation as necessary.

Quality factor
The modifying factor [listed in tables 1004(b).1 and 1004(b).2 of 10 CFR20.1004] that is used to derive dose equivalent from absorbed dose.

Rad
A unit of absorbed dose. One rad is equal to an absorbed dose of 0.01 joule/kilogram (0.01 gray).

Radiation
For the purposes of this regulation, unless otherwise specified, radiation includes both ionizing and nonionizing radiation.

Radiation area
An area, accessible to individuals, in which radiation levels could result in an individual receiving a dose equivalent in excess of 0.005rem (0.05mSv) in 1 hour at 30 centimeters from the radiation source or from any surface that the radiation penetrates.

Radiation protection
For the purposes of this regulation, a scientific discipline whose objective is the protection of people and the environment from unnecessary exposure to radiation. Radiation protection is concerned with understanding, evaluating, and controlling the risks from radiation exposure relative to the benefits derived. Also called "health physics" and "radiation safety."

Radiation Control Committee
An advisory committee for the commander to assess the adequacy of the command's radiation protection program.

Radiation Protection Officer
The person that the commander designates, in writing, as the executive agent for the command's radiation protection program. Also called "radiation safety officer" or "health physics officer."

Radiation protection program
A program to implement the objective of radiation protection.

a. The Army's radiation protection program includes all aspects of measurement and evaluation of radiation and radioactive material as they pertain to protection of personnel and the environment, and of the Army's radiation dosimetry, radiation bioassay, radioactive waste disposal, radiation protection training, and radiation instrument TMDE and calibration programs.

b. A command's radiation protection program includes all aspects of measurement and evaluation of radiation and radioactive material within the command as they pertain to protection of personnel and the environment.

Radioactive commodity
An item of Government property made up in whole or in part of radioactive material. A national stock number (NSN) or part number is assigned to commodities containing radioactive material greater than 0.01 microcurie.

Radioactive waste
Solid, liquid, or gaseous material that contains radionuclides regulated under the Atomic Energy Act, as amended, or is of sufficient quantity to require an Army radiation authorization, and is of negligible economic value considering the cost of recovery.

Radioactive waste, low-level
Material the NRC classifies as low-level radioactive waste (see 10 CFR 62.2); waste not classified as high-level radioactive waste (spent nuclear fuel), as transuranic waste, or as uranium or thorium tailings and waste; material acceptable for burial in a land disposal facility (10CFR 61).

Rem
A unit of any of the quantities expressed as dose equivalent. The dose equivalent in rems is equal to the absorbed dose in rads multiplied by the quality factor (1 rem = 0.01 sievert).

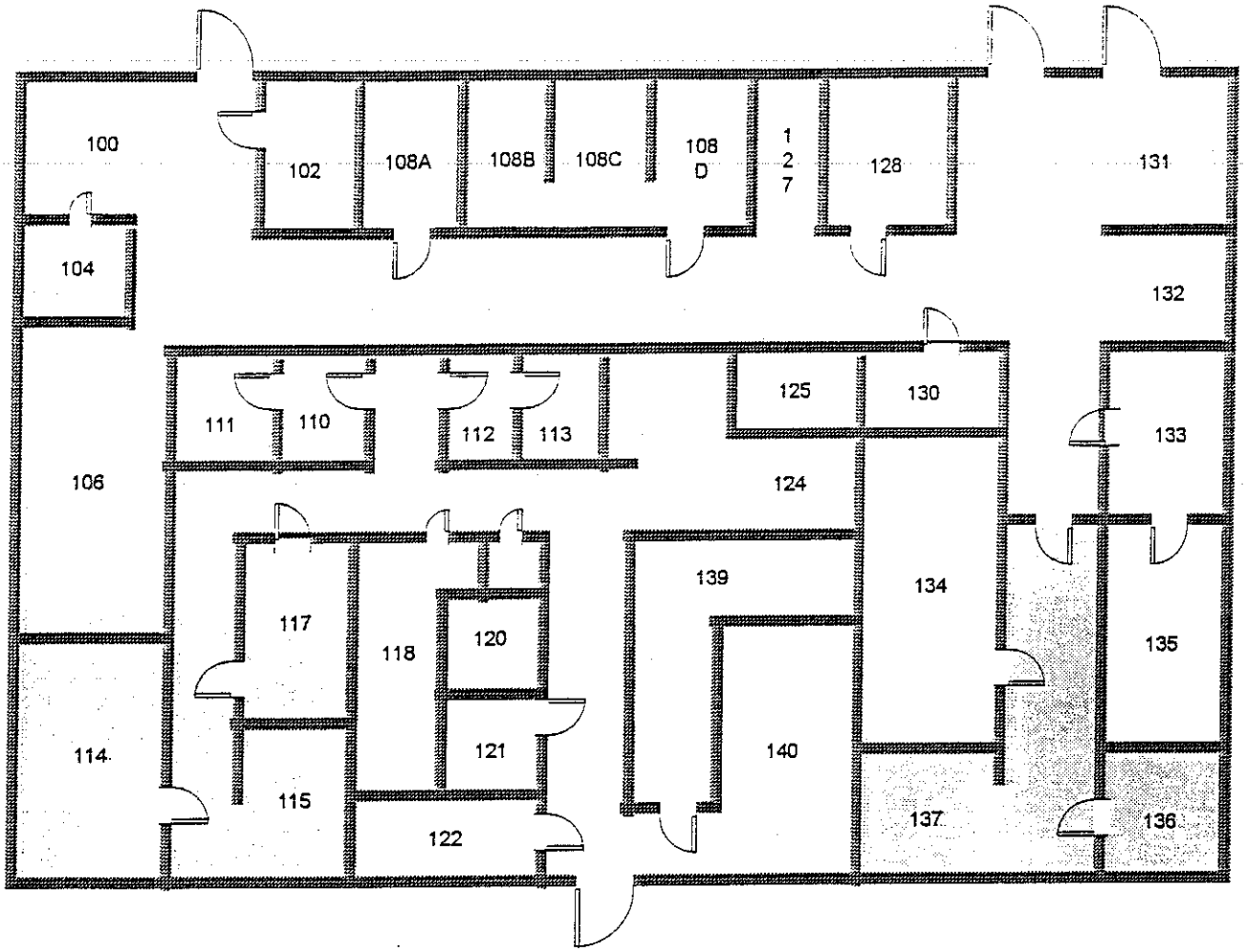
Shallow dose equivalent
Applies to the external exposure of the skin or an extremity and is taken as the dose equivalent at a tissue depth of 0.007 centimeter (7 mg/cm^2) averaged over an area 1 square centimeter.

Sievert (Sv)
The SI unit of any of the quantities expressed as dose equivalent. The dose equivalent in sieverts is equal to the absorbed dose in grays multiplied by the quality factor (1 Sv = 100 rems).

Total effective dose equivalent
The sum of the deep-dose equivalent (for external exposures) and the committed effective dose equivalent (for internal exposures).

Weighting factor
For an organ or tissue, the proportion of the risk of stochastic effects resulting from irradiation of that organ or tissue to the total risk of stochastic effects when the whole body is irradiated uniformly.

GRAPHICAL ILLUSTRATION

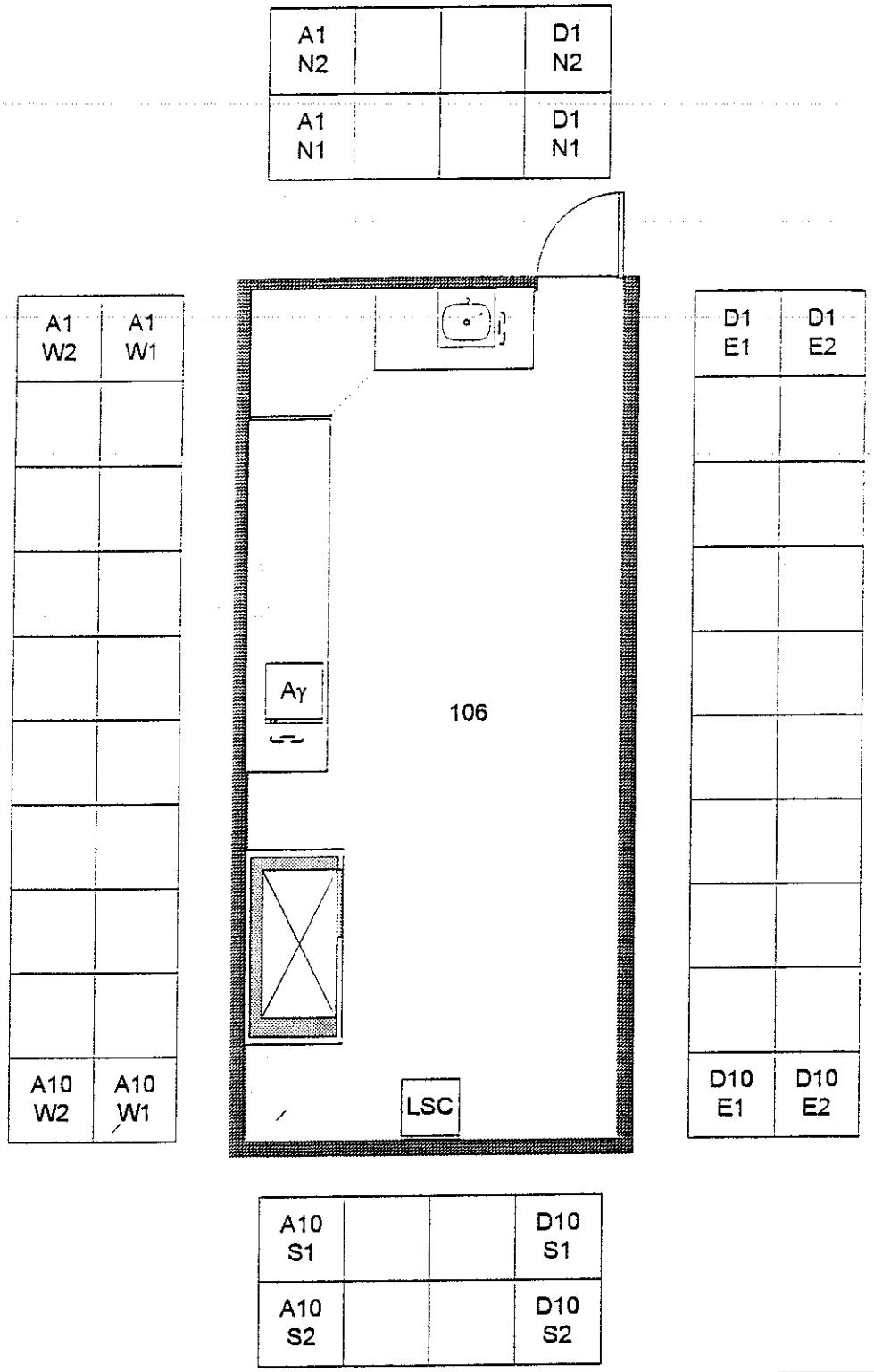


Building 508 Forest Glen Section - Affected Areas are Shaded	Date: 6 March 1998 Drawn: ARM Approved: WBJ Scale: NTS Plate: N/A
Health Physics Office Walter Reed Army Medical Center Washington, DC 20307	

MCHL-HP
SUBJECT: Decommissioning of Building 508, Forest Glen Section

Historical Review of Affected Areas					
Room	Auth.	Cleared	Isotopes	mCi	Comments
106	699	10/95	H-3	20	
			C-14	0.1	
			P-32	10	
			P-33	10	
			S-35	10	
			Cr-51	5	
			I-125	15	3 areas of contamination (209 to 634 dpm of I-125) were found on a survey on 11/93 in front of the LSC and the Rad. Hood. These areas were cleaned by HPO at the time of the survey.
The only long lived radionuclides that are likely to be in this room at the time of the survey are H-3 and C-14					

GRAPHICAL ILLUSTRATION



Room 106, Building 508 Forest Glen Section - Affected Area

Health Physics Office
Walter Reed Army Medical Center
Washington, DC 20307

Date: 6 March 1998
Drawn: ARM
Approved: WBJ
Scale: NTS
Plate: N/A

Room:	508...106					
Date:	11/02/1998					
	Meter	**- BKD**		**Meter**	**- BKD**	
	β cpm	**β cpm**	**2 σ**	**γ cpm**	**γ cpm**	**2 σ**
BACKGROUND	38.9	0.0		216	0.0	
Cr 51						
BLANK						
106A1	87.7	48.8	22.1	236	20.0	41.7
106A1N1	90.6	51.7	22.3			
106A1N2	106	67.1	23.6			
106A1W1	71.7	32.8	20.6			
106A1W2	92.2	53.3	22.4			
106A2	63.4	24.5	19.8	189	(27.0)	39.4
106A2W1	76.2	37.3	21.0			
106A2W2	63.6	24.7	19.8			
106A3	68.2	29.3	20.3	169	(47.0)	38.5
106A3W1	96	57.1	22.8			
106A3W2	99.5	60.6	23.1			
106A4	69	30.1	20.4	172	(44.0)	38.6
106A4W1	96.5	57.6	22.8			
106A4W2	86.9	48.0	22.0			
106A5	65.1	26.2	20.0	194	(22.0)	39.7
106A5W1	79.6	40.7	21.3			
106A5W2	73.8	34.9	20.8			
106A6	56.6	17.7	19.2	166	(50.0)	38.3
106A6W1	81.5	42.6	21.5			
106A6W2	58.6	19.7	19.4			
106A7	55.7	16.8	19.1	160	(56.0)	38.0
106A7W1	68.2	29.3	20.3			
106A7W2	91.8	52.9	22.4			
106A8	64.5	25.6	19.9	160	(56.0)	38.0
106A8W1	69.4	30.5	20.4			
106A8W2	55.8	16.9	19.1			
106A9	66.1	27.2	20.1	192	(24.0)	39.6
106A9W1	50.3	11.4	18.5			
106A9W2	63.3	24.4	19.8			
106A10	58.2	19.3	19.3	159	(57.0)	38.0
106A10S1	81.3	42.4	21.5			
106A10S2	74.6	35.7	20.9			
106A10W2	96	57.1	22.8			
106A10W1	50.5	11.6	18.5			
106B1	74.7	35.8	20.9	207	(9.0)	40.3
106B1N1	76	37.1	21.0			
106B1N2	68.3	29.4	20.3			
106B2	51.9	13.0	18.7	164	(52.0)	38.2
106B3	58.3	19.4	19.3	157	(59.0)	37.9
106B4	73.3	34.4	20.8	167	(49.0)	38.4

	Meter	- BKD		Meter	- BKD	
	β cpm	β cpm	2σ	γ cpm	γ cpm	2σ
106B5	66.3	27.4	20.1	148	(68.0)	37.4
106B6	53	14.1	18.8	118	(98.0)	35.8
106B7	54	15.1	18.9	140	(76.0)	37.0
106B8	91.9	53.0	22.4	144	(72.0)	37.2
106B9	36.5	(2.4)	17.0	154	(62.0)	37.7
106B10	73	34.1	20.7	147	(69.0)	37.3
106B10S1	86.7	47.8	22.0			
106B10S2	89.9	51.0	22.2			
106C1	70.1	31.2	20.5	164	(52.0)	38.2
106C1N1	54.9	16.0	19.0			
106C1N2	55.2	16.3	19.0			
106C2	46.1	7.2	18.1	140	(76.0)	37.0
106C3	49.2	10.3	18.4	160	(56.0)	38.0
106C4	46.3	7.4	18.1	138	(78.0)	36.9
106C5	63.5	24.6	19.8	145	(71.0)	37.2
106C6	46.7	7.8	18.1	132	(84.0)	36.6
106C7	71.7	32.8	20.6	145	(71.0)	37.2
106C8	46.3	7.4	18.1	156	(60.0)	37.8
106C9	29.3	(9.6)	16.2	145	(71.0)	37.2
106C10	46.5	7.6	18.1	154	(62.0)	37.7
106C10S1	70.3	31.4	20.5			
106C10S2	49.6	10.7	18.4			
106D1	29.7	(9.2)	16.2	200	(16.0)	40.0
106D1N1	74.2	35.3	20.8			
106D1N2	78.2	39.3	21.2			
106D1E1	56.2	17.3	19.1			
106D1E2	36.8	(2.1)	17.1			
106D2	82.3	43.4	21.6	186	(30.0)	39.3
106D2E1	54.6	15.7	19.0			
106D2E2	50.1	11.2	18.5			
106D3	47.5	8.6	18.2	149	(67.0)	37.4
106D3E1	63.9	25.0	19.9			
106D3E2	34.3	(4.6)	16.8			
106D4E1	59.8	20.9	19.5			
106D4E2	47.8	8.9	18.3			
106D5	56.1	17.2	19.1	114	(102.0)	35.6
106D5E1	58.8	19.9	19.4			
106D5E2	25.1	(13.8)	15.7			
106D6	31.7	(7.2)	16.5	126	(90.0)	36.2
106D6E1	60.9	22.0	19.6			
106D6E2	51.2	12.3	18.6			
106D7E1	43.5	4.6	17.8			
106D7E2	54.1	15.2	18.9			
106D8	71.1	32.2	20.6	153	(63.0)	37.7
106D8E1	51.3	12.4	18.6			
106D8E2	64.5	25.6	19.9			
106D9	57.9	19.0	19.3	147	(69.0)	37.3

MCHL-HP
SUBJECT: Decommissioning of Building 508, Forest Glen Section

	Meter	- BKD			Meter	- BKD	
	β cpm	β cpm	2 σ		γ cpm	γ cpm	2 σ
106D9E1	38.6	(0.3)	17.3				
106D9E2	55.8	16.9	19.1				
106D10	52.6	13.7	18.7		133	(83.0)	36.6
106D10E1	49	10.1	18.4				
106D10E2	40	1.1	17.4				
106D10S1	59	20.1	19.4				
106D10S2	52.7	13.8	18.8				
106RANDOM1							
106RANDOM2							
106RANDOM3							
106RANDOM4							
106RANDIOM5							
106RANDOM6							
H 3 STANDARD							
Average:	62.95	24.0		Average:	158.68	(57.3)	
Low:	25.1	(13.8)		Low:	114	(102.0)	
High:	106	67.1		High:	236	20.0	
MDA:	1465			MDA:	242		

MCHL-HP
SUBJECT: Decommissioning of Building 508, Forest Glen Section

Room:	508...106		
Date:	11/02/1998		
Data Entered By:	SPC Stacey		
		Liquid Scintillation Counter	
Sample Number	**> 150 keV cpm**	**H-3 dpm**	**C-14 dpm**
BACKGROUND	14.8	12.77	20.87
Cr 51	4.29	438.78	95.61
BLANK	13.4	10.59	16.77
106A1	8.8	6.24	17.13
106A1N1	8	3.94	13.2
106A1N2	9.6	3.24	14.36
106A1W1	10.03	7.82	11.27
106A1W2	6.8	10.06	15.31
106A2	9.2	7.56	18.18
106A2W1	7	5.65	11.95
106A2W2	7.8	6.61	16.47
106A3	6.6	6.12	16.25
106A3W1	8.8	8.82	15.73
106A3W2	7.2	6.34	18.42
106A4	6	6.18	15
106A4W1	9.6	12.92	14.5
106A4W2	7.8	4.77	14.94
106A5	9.71	12.15	14.86
106A5W1	5.6	5.31	16.36
106A5W2	7	54.32	12.26
106A6	9.4	0.71	17.97
106A6W1	9.8	15.7	16.58
106A6W2	6.2	9.71	16.37
106A7	6	3.62	16.42
106A7W1	7.6	8.27	15.52
106A7W2	6	28.25	12.74
106A8	6.91	6.91	12.34
106A8W1	7.2	7.28	13.79
106A8W2	8.2	15.27	15.82
106A9	9.2	8.9	14.7
106A9W1	6.2	11.22	12.78
106A9W2	6.4	6.11	15.86
106A10	7.2	72.24	19.17
106A10S1	8	9.58	13.58
106A10S2	8	454.21	389.5
106A10W2	8.2	147.39	39.76
106A10W1	8.4	202.55	36.16
106B1	11.6	7.6	15.74
106B1N1	7	7.33	15.21
106B1N2	6.4	7.45	16.38
106B2	5.8	52.73	22.06
106B3	7.2	197.45	0
106B4	7.4	56.3	20.57

	Liquid Scintillation Counter		
Sample Number	> 150 keV cpm	H-3 dpm	C-14 dpm
106B5	8.2	10.09	15.41
106B6	9.8	6.18	14.04
106B7	5.6	17.08	17.4
106B8	8	8.26	13.6
106B9	8.4	6.68	16.05
106B10	8.4	7.41	12.43
106B10S1	9.4	7.19	14.68
106B10S2	8.8	12.48	12.19
106C1	6	16.81	14.67
106C1N1	7.6	5.86	18.3
106C1N2	7.4	11.4	17.46
106C2	7.8	5.32	13.64
106C3	6.8	32.55	14.67
106C4	7	3.04	18.76
106C5	6.6	4.22	14
106C6	8.6	2.23	15.63
106C7	9.76	36.53	11.22
106C8	7	9.35	12.89
106C9	8.6	14.32	15.01
106C10	7.8	10.14	19.57
106C10S1	6.2	4.79	15.93
106C10S2	7.8	52.53	10.97
106D1	18.63	3174.74	0
106D1N1	8	3.36	14.9
106D1N2	8	1.46	17.09
106D1E1	7.6	8.71	15.57
106D1E2	6.2	4.31	13.65
106D2	7.4	6.21	14.58
106D2E1	7.2	7.93	14.26
106D2E2	5.6	11.6	12.61
106D3	8	26.92	13.25
106D3E1	9.73	10.56	14.04
106D3E2	9.2	7.69	18.65
106D4E1	11.2	9.51	14.66
106D4E2	6.6	8.98	13.04
106D5	8.4	8.9	15.28
106D5E1	6.4	11.3	16.3
106D5E2	6.8	4.94	14.51
106D6	7.8	8.01	10.82
106D6E1	7.2	9.55	13.42
106D6E2	8.6	8.21	14.91
106D7E1	6.4	8.57	15.96
106D7E2	7.4	5.53	14.22
106D8	7.4	8.76	15.5
106D8E1	9.6	13.9	12.19
106D8E2	10	1.86	16.1
106D9	7.6	20.5	26.61

	Liquid Scintillation Counter		
Sample Number	**> 150 keV cpm**	**H-3 dpm**	**C-14 dpm**
106D9E1	8.2	11.61	16.51
106D9E2	6.6	6.77	17.5
106D10	7.2	4.94	16.44
106D10E1	9.4	7.07	16.03
106D10E2	8.8	7.92	15.28
106D10S1	10.8	1711.28	52.14
106D10S2	**8.6**	**2.05**	**17.08**
106RANDOM1	8.2	4.54	13.43
106RANDOM2	8	13.26	18.96
106RANDOM3	8.4	10.7	12.75
106RANDOM4	7.4	14.03	15
106RANDIOM5	7.8	5.58	13.88
106RANDOM6	7.8	5.66	16.87
H 3 STANDARD	12.37	236363	0

For 106D4 and 106D7 there are no beta and gamma counts because the floor is covered with freezers.

Reswipe Analysis	**Liquid Scintillation Counter**		
Sample Number	**> 150 keV cpm**	**H-3 dpm**	**C-14 dpm**
106ASW2-1	8.6	16.63	11.88
106ASW2-2	9.8	8.06	18.28
106ASW2-3	11.8	13.36	13.99
106ASW2-4	10.2	8.11	15.47
106ASW2-5	10.6	9.9	18.78
106ASW2-6	9.4	7.85	14.08
106ASW2-7	11	11.91	13.96
106ASW2-8	6.2	6.38	17.46
106ASW2-9	10.8	9.58	11.87
106A10-1	7.2	6.72	11.06
106A10-2	7.6	8.7	14.86
106A10-3	7.02	11.25	10.26
106A10-4	10.8	13.39	10.63
106A10-5	9.6	7.01	14.51
106A10-6	7.6	10.14	16.77
106A10-7	9	8.28	17.28
106A10-8	7.8	8.54	15
106A10-9	9.02	5.43	15.11
106A10S2-1	7.6	17.28	14.26
106A10S2-2	8.6	8.17	14.64
106A10S2-3	9.8	3.94	15.32
106A10S2-4	9.8	5.26	13.26
106A10S2-5	7.8	9.88	14.69

	Liquid Scintillation Counter		
Sample Number	**> 150 keV cpm**	**H-3 dpm**	**C-14 dpm**
106A10S2-6	6.6	12.21	16.26
106A10S2-7	6.22	15.58	11.25
106A10S2-8	8.4	6.58	16.3
106A10S2-9	6.6	13.08	16.03
106A10W2-1	8.4	8.51	13
106A10W2-2	10.4	8.11	18.54
106A10W2-3	7	4	10.96
106A10W2-4	9.6	9.83	15.39
106A10W2-5	8.8	7.95	12.55
106A10W2-6	7.4	6.45	11.85
106A10W2-7	6	14.97	12.24
106A10W2-8	7.8	8.18	15.32
106A10W2-9	8.8	12.11	14.05
106A10W1-1	8.2	8.7	17.24
106A10W1-2	6.8	10.57	11.16
106A10W1-3	7.04	10.54	16.61
106A10W1-4	8.8	5.18	14.87
106A10W1-5	8.19	4.35	15.09
106A10W1-6	7.2	7.44	15.96
106A10W1-7	7.8	5.35	16.9
106A10W1-8	6	10.33	17.91
106A10W1-9	7.2	13.73	12.23
106B2-1	9.6	5.49	17.32
106B2-2	8.2	5.87	17.77
106B2-3	7.4	6.44	19.47
106B2-4	9.23	14.34	14.44
106B2-5	7.51	9.23	18.72
106B2-6	6.4	8.53	16.1
106B2-7	0.8	0	30.59
106B2-8	8	839.6	35.61
106B2-9	9.6	10	16.22
106B3-1	7.8	9.73	14.48
106B3-2	9.4	15.59	14.18
106B3-3	8.2	9.07	14.54
106B3-4	8	13.79	14.11
106B3-5	8.2	2.31	16.53
106B3-6	9.2	11.83	10.83
106B3-7	7.6	12.36	14.72
106B3-8	6	10.05	18.47
106B3-9	8.29	7.16	17.74
106B4-1	10.3	9.96	14.82
106B4-2	9.2	9.8	14.35
106B4-3	10.47	9.07	15.83
106B4-4	8.36	8.95	14.7
106B4-5	9.7	13.71	12.16
106B4-6	11.4	4.98	15.88
106B4-7	7.6	11	13.05

	Liquid Scintillation Counter		
Sample Number	**> 150 keV cpm**	**H-3 dpm**	**C-14 dpm**
106B4-8	8.4	112.8	13.05
106B4-9	8.6	10.57	13.72
106C10S2-1	8.2	4.51	15.6
106C10S2-2	9.2	17.01	17.55
106C10S2-3	7.19	7.88	16.93
106C10S2-4	7.4	6.82	14.07
106C10S2-5	8.2	8.18	18.64
106C10S2-6	8.2	10.54	12.95
106C10S2-7	7.93	11.51	14.11
106C10S2-8	8.6	13.67	13.95
106C10S2-9	8.4	11.13	15.33
106D1-1	10.2	6.17	12.44
106D1-2	9.8	7.5	18.91
106D1-3	7.4	3.9	16.37
106D1-4	6.8	9.76	14.19
106D1-5	9.08	10.35	14.08
106D1-6	9	8.74	12.47
106D1-7	10	10.38	11.81
106D1-8	5.8	4.85	11.85
106D1-9	9	7.29	14.2
106D10S1-1	7	7.36	13.38
106D10S1-2	6.6	7.74	12.99
106D10S1-3	9.4	5.36	19.19
106D10S1-4	8.01	7.44	16.59
106D10S1-5	7.4	8.28	13.69
106D10S1-6	9.8	15.61	14.08
106D10S1-7	8	9.14	15.06
106D10S1-8	5.8	7.77	14.73
160D10S1-9	9.8	13.36	14.32
106D4	9	8.99	13.05
106D7	5	10.05	12.56
106B2-7	7.6	7.06	20.14

MCHL-HP

SUBJECT: Decommissioning of Building 508, Forest Glen Section

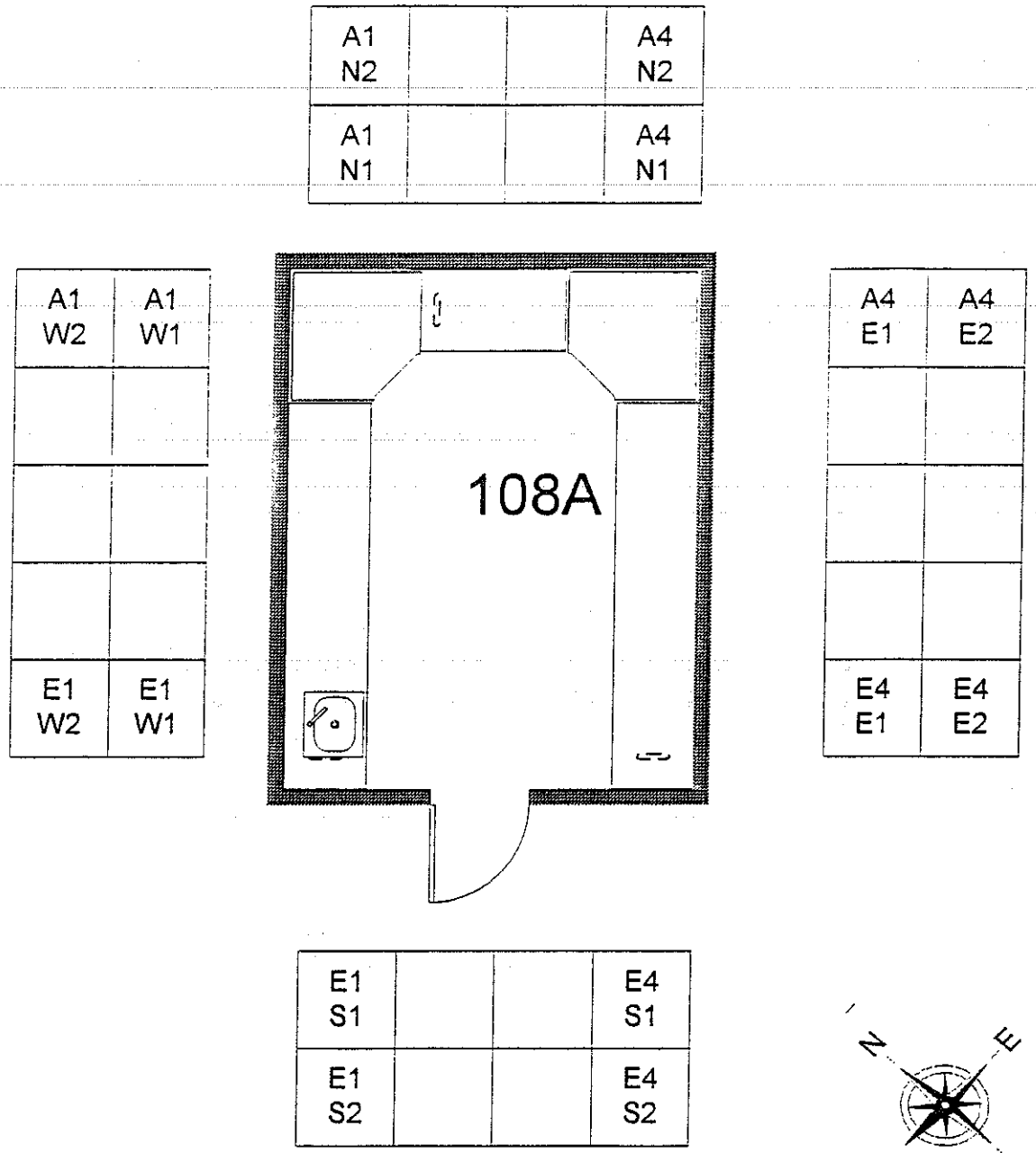
Room:	508...106					
Date:	11/02/1998					
	15 - 85	85 - 150	150 - 275	275 - 400	400 - 900	900 - 1400
	CPMA	**CPMB**	**CPMC**	**CPMD**	**CPME**	**CPMF**
BACKGROUND	38	27	55	47	68	28
Cr 51	2110	1628	3224	18069	102	31
BLANK	38	27	55	47	68	28
106A1	34	25	52	36	63	29
106A1N1	35	31	52	39	68	29
106A1N2	32	28	53	34	64	26
106A1W1	32	30	57	38	66	25
106A1W2	33	28	55	36	71	27
106A2	33	28	52	35	66	32
106A2W1	31	27	58	38	71	29
106A2W2	37	28	52	38	64	28
106A3	31	31	53	32	69	28
106A3W1	33	25	52	34	72	31
106A3W2	31	28	50	41	64	28
106A4	35	26	51	39	63	30
106A4W1	33	27	53	32	67	33
106A4W2	31	23	57	35	65	29
106A5	32	27	50	33	70	29
106A5W1	29	28	55	34	77	30
106A5W2	35	26	51	43	69	28
106A6	33	28	60	34	65	28
106A6W1	35	28	54	32	62	28
106A6W2	30	26	53	35	70	31
106A7	34	28	50	38	64	28
106A7W1	29	23	52	34	63	31
106A7W2	33	29	54	33	67	29
106A8	36	25	51	36	63	24
106A8W1	30	25	54	42	67	28
106A8W2	34	26	51	32	64	27
106A9	29	26	54	37	65	27
106A9W1	36	33	52	33	67	31
106A9W2	29	24	48	34	67	28
106A10	34	24	50	33	71	29
106A10S1	30	32	46	35	63	32
106A10S2	30	25	50	37	59	33
106A10W2	35	25	59	37	64	32
106A10W1	31	32	53	31	74	31
106B1	34	23	50	36	61	32
106B1N1	35	22	49	39	59	30
106B1N2	31	27	43	36	66	33
106B2	35	24	50	36	73	28
106B3	32	27	51	34	63	24
106B4	35	26	48	36	66	24

	15 - 85	85 - 150	150 - 275	275 - 400	400 - 900	900 - 1400
	CPMA	**CPMB**	**CPMC**	**CPMD**	**CPME**	**CPMF**
106B5	33	26	48	36	67	29
106B6	32	27	52	37	68	24
106B7	30	25	50	40	67	26
106B8	32	25	48	31	65	31
106B9	31	25	45	40	68	32
106B10	31	29	50	38	71	29
106B10S1	27	27	43	39	71	29
106B10S2	35	27	55	35	62	28
106C1	31	23	53	37	64	25
106C1N1	31	25	46	35	63	28
106C1N2	33	28	52	32	72	31
106C2	35	22	48	34	66	27
106C3	35	27	55	35	66	27
106C4	33	27	49	40	70	28
106C5	32	25	52	36	66	30
106C6	32	28	49	31	66	25
106C7	37	25	56	41	68	31
106C8	33	25	Sb	32	63	24
106C9	37	25	52	34	59	32
106C10	30	28	50	40	60	30
106C10S1	35	22	48	34	66	27
106C10S2	33	25	59	32	69	28
106D1	32	29	48	33	68	32
106D1N1	30	23	51	33	67	30
106D1N2	35	24	49	33	65	32
106D1E1	35	24	53	34	66	25
106D1E2	28	31	53	34	62	29
106D2	33	28	49	37	72	26
106D2E1	37	24	51	35	62	28
106D2E2	33	28	46	33	62	26
106D3	28	24	53	33	70	28
106D3E1	34	26	49	38	67	28
106D3E2	31	25	53	33	74	28
106D4E1	36	25	57	35	67	29
106D4E2	36	25	51	33	68	31
106D5	29	27	54	31	70	30
106D5E1	33	29	51	34	64	27
106D5E2	31	26	53	32	75	31
106D6	34	24	49	39	65	29
106D6E1	35	27	50	38	64	29
106D6E2	29	30	51	35	64	30
106D7E1	35	25	48	32	72	28
106D7E2	30	26	49	34	63	27
106D8	33	28	54	32	63	31
106D8E1	31	24	58	36	67	31
106D8E2	33	25	51	34	69	26
106D9	32	20	48	33	70	30

	15 - 85	85 - 150	150 - 275	275 - 400	400 - 900	900 - 1400
	CPMA	**CPMB**	**CPMC**	**CPMD**	**CPME**	**CPMF**
106D9E1	36	28	49	32	65	32
106D9E2	37	30	51	36	66	27
106D10	37	24	46	36	73	29
106D10E1	33	29	47	33	74	27
106D10E2	32	24	46	36	66	29
106D10S1	29	25	51	37	68	32
106D10S2	31	23	53	34	68	27
106RANDOM1	34	25	51	35	68	28
106RANDOM2	33	22	50	36	60	28
106RANDOM3	36	29	56	33	64	31
106RANDOM4	31	25	54	32	64	29
106RANDIOM5	34	27	47	33	67	33
106RANDOM6	31	26	50	33	69	26
Average:	32.77	26.25	51.30	35.28	66.58	28.78
Low - Bkd:	(11)	(7)	(12)	(16)	(9)	(4)
High - Bkd:	0	6	5	0	9	5
MDA:	36	18	48	84	110	74

Historical Review of Affected Areas					
Room	Auth.	Cleared	Isotopes	mCi	Comments
108A	698	8/94	H-3	50	
	639	3/95	C-14	5	
	664	3/96	P-32	3	
			S-35	15	
			I-125	5	
The only long lived radionuclides that are likely to be in this room at the time of the survey are H-3 and C-14					

GRAPHICAL ILLUSTRATION



Room 108A, Building 508 Forest Glen Section - Affected Area

Health Physics Office
Walter Reed Army Medical Center
Washington, DC 20307

Date: 6 March 1998
Drawn: ARM
Approved: WBJ
Scale: NTS
Plate: N/A

Room:	108A					
Date:	19/02/1998					
	Meter	**- BKD**		**Meter**	**- BKD**	
Sample Number	**β cpm**	**β cpm**	**2 σ**	**γ cpm**	**γ cpm**	**2 σ**
BACKGROUND	47.46	0		227.6	0	
H-3 Sample						
108A A1TOP	50.8	3.3	19.4	175	(52.6)	39.3
108A A1N2	52.3	4.8	19.6			
108A A1W2	46.9	(0.6)	19.0			
108A A2TOP	32.9	(14.6)	17.6	166	(61.6)	38.9
108A A2	40.9	(6.6)	18.4	132	(95.6)	37.2
108A A2W1						
108A A2W2	42.9	(4.6)	18.6			
108A A3TOP	39.9	(7.6)	18.3	144	(83.6)	37.8
108A A3W2	32.9	(14.6)	17.6			
108A A4						
108A SINK						
108A A4TOP	40.9	(6.6)	18.4	177	(50.6)	39.4
108A A4W2	44.9	(2.6)	18.8			
108A A4S2	58.8	11.3	20.2			
108A B1TOP	39.9	(7.6)	18.3	165	(62.6)	38.8
108A B1	44.9	(2.6)	18.8	109	(118.6)	36.0
108A B1N2	55.8	8.3	19.9			
108A B2	37.9	(9.6)	18.1	158	(69.6)	38.5
108A B3	38.9	(8.6)	18.2	162	(65.6)	38.7
108A B4	33.9	(13.6)	17.7	152	(75.6)	38.2
108A B4S1	32.9	(14.6)	17.6			
108A B4S2	29.9	(17.6)	17.2			
108A C1TOP	47.8	0.3	19.1	162	(65.6)	38.7
108A C1	26.9	(20.6)	16.9	145	(82.6)	37.8
108A C1N1	30.9	(16.6)	17.4			
108A C1N2	35.9	(11.6)	17.9			
108A C2	37.9	(9.6)	18.1	151	(76.6)	38.1
108A C3	36.9	(10.6)	18.0	156	(71.6)	38.4
108A C4	46.9	(0.6)	19.0	182	(45.6)	39.7
108A C4S1	43.9	(3.6)	18.7			
108A C4S2	43.9	(3.6)	18.7			
108A D1TOP	49.8	2.3	19.3	155	(72.6)	38.3
108A D1	19.9	(27.6)	16.1	143	(84.6)	37.7
108A D1N1	32.9	(14.6)	17.6			
108A D1N2	39.9	(7.6)	18.3			
108A D2	44.9	(2.6)	18.8	151	(76.6)	38.1
108A D2TOP	38.9	(8.6)	18.2			
108A D3	32.9	(14.6)	17.6	156	(71.6)	38.4
108A D3TOP	81.7	34.2	22.3			
108A D4	48.8	1.3	19.2	190	(37.6)	40.1
108A D4TOP	34.9	(12.6)	17.8			

MCHL-HP
SUBJECT: Decommissioning of Building 508, Forest Glen Section

	Meter	- BKD		Meter	- BKD	
Sample Number	**β cpm**	**β cpm**	**2 σ**	**γ cpm**	**γ cpm**	**2 σ**
108A D4S1	45.9	(1.6)	18.9			
108A D4S2	46.9	(0.6)	19.0			
108A E1TOP	37.9	(9.6)	18.1	165	(62.6)	38.8
108A E1N2	26.9	(20.6)	16.9			
108A E1E2	40.9	(6.6)	18.4			
108A E2TOP	41.9	(5.6)	18.5	137	(90.6)	37.4
108A E2E2	37.9	(9.6)	18.1			
108A E3TOP	44.9	(2.6)	18.8			
108A E3E1	39.9	(7.6)	18.3			
108A E3E2	27.9	(19.6)	17.0			
108A E4TOP	41.9	(5.6)	18.5	174	(53.6)	39.3
108A E4	40.9	(6.6)	18.4	148	(79.6)	38.0
108A E4E1	38.9	(8.6)	18.2			
108A E4E2	42.9	(4.6)	18.6			
108A E4S1	47.8	0.3	19.1			
108A E4S2	51.8	4.3	19.5			
Average:	41.3	(6.2)		(71.1)	38.4	
Low:	19.9	(27.6)		(118.6)	36.0	
High:	81.7	34.2		(37.6)	40.1	
MDA:	1618			248		

Room:	108A		
Date:	19/02/1998		
Data Entered By:	SPC STACEY		
		Liquid Scintillation Counter	
Sample Number	**> 150 keV cpm**	**H-3 dpm**	**C-14 dpm**
BACKGROUND	12.5	18.34	21.31
H-3 Sample	13.6	255963	0
108A A1TOP	8.8	11.03	17.73
108A A1N2	6.8	8.27	16.72
108A A1W2	8.6	9.01	15.65
108A A2TOP	9.4	10.86	16.5
108A A2	8	17.79	13.8
108A A2W1	9.2	11	16.35
108A A2W2	6.4	10.77	17.64
108A A3TOP	9.8	12.51	17.69
108A A3W2	8.4	12.26	15.68
108A A4	6.6	8.78	18.83
108A SINK	8.76	3.55	18.42
108A A4TOP	10	13.1	15.83
108A A4W2	9.8	6.21	12.9
108A A4S2	6.6	9.68	14.65
108A B1TOP	8.4	4.81	18.4
108A B1	6.82	7.39	15.95
108A B1N2	6.2	7.75	3.16
108A B2	8.6	7.01	13.46
108A B3	6.8	7.82	15.1
108A B4	7.6	9.13	13.53
108A B4S1	6.4	9.2	14.77
108A B4S2	7.67	15.19	15.67
108A C1TOP	9.6	13.05	13.91
108A C1	6.4	11.7	13.27
108A C1N1	6.8	8.35	15
108A C1N2	5.6	13	13.9
108A C2	8.4	4.69	13.11
108A C3	7.6	8.9	15.37
108A C4	6.8	8.19	16.15
108A C4S1	8.8	14.12	17.46
108A C4S2	10.2	15.37	15.23
108A D1TOP	7.2	9.52	16.86
108A D1	7	10.33	17.6
108A D1N1	9.8	8.43	14.84
108A D1N2	7	14.28	14.78
108A D2	7.6	3.39	20.07
108A D2TOP	7.8	9.63	14.91
108A D3	5.4	9.15	17.82
108A D3TOP	7.2	13.54	11.36
108A D4	7	15.92	17.61
108A D4TOP	6.8	12.34	13.04

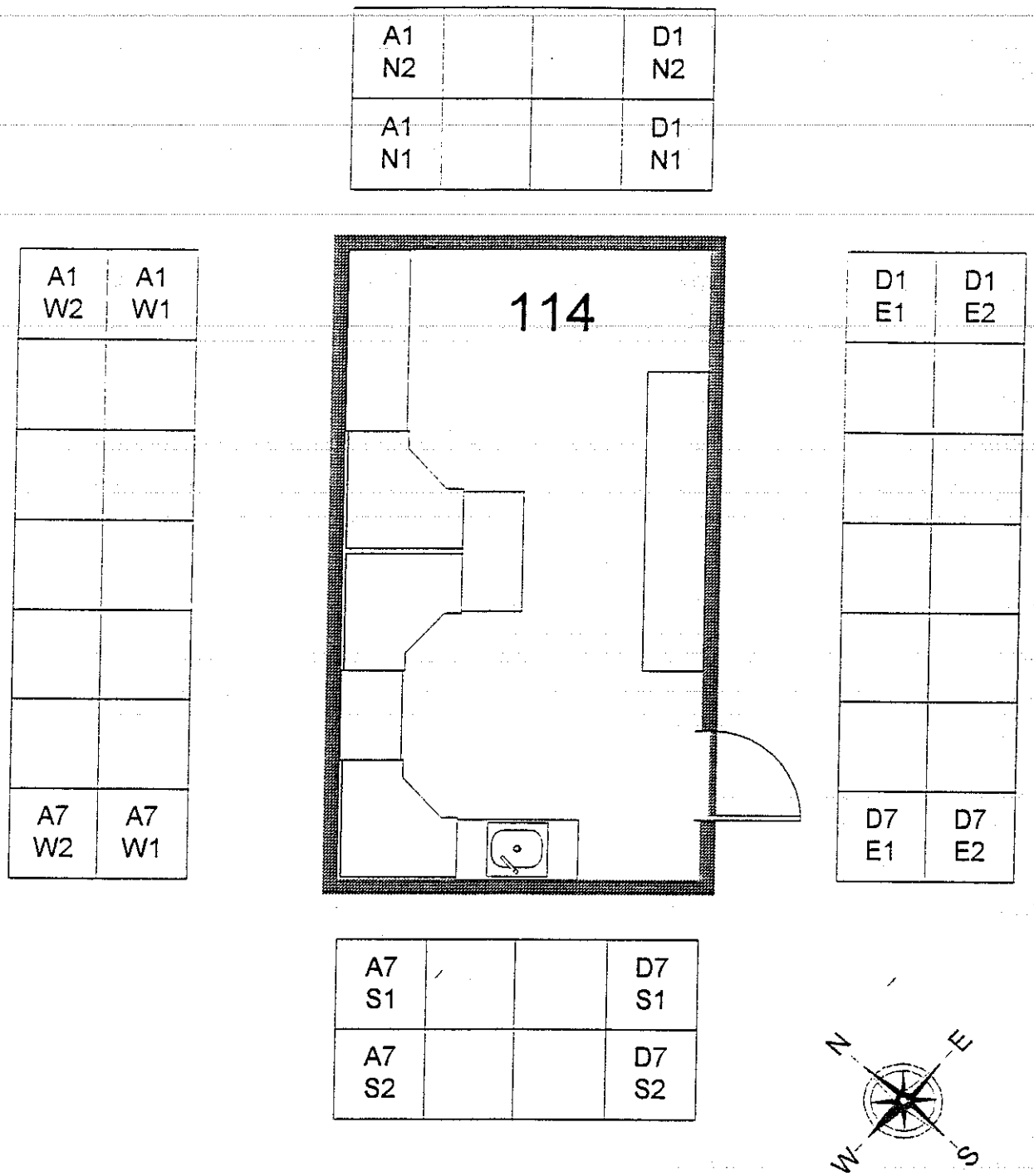
	Liquid Scintillation Counter		
Sample Number	**> 150 keV cpm**	**H-3 dpm**	**C-14 dpm**
108A D4S1	8.6	10.37	19.43
108A D4S2	9	3.89	17.29
108A E1TOP	9	7.28	16.39
108A E1N2	10.2	17.18	14.99
108A E1E2	12.07	7.46	17.61
108A E2TOP	8	7.87	16.77
108A E2E2	7.2	13.75	12.39
108A E3TOP	6	10.92	16.8
108A E3E1	6.8	12.27	18.39
108A E3E2	9	11	13.23
108A E4TOP	6.8	8.74	13.05
108A E4	7	12.33	14.66
108A E4E1	8.4	11.06	17.8
108A E4E2	8.4	6.27	15.5
108A E4S1	8.6	9.71	14.6
108A E4S2	7.4	7.92	14.36
108A A1D1	7.76	2.13	16.5
108A A3D1	5.4	4.87	17.42
108A A3D2	8.4	5.21	15.46
108A A3D3	7.08	9.66	13.01
108A A4D1	6.6	13.7	15.97
108A B1D1	8.4	10.31	14.57
108A B1D2	10.2	7.07	15.02
108A C1D1	8.38	11.09	13.82
108A C1D2	6	7.53	15.46
108A C1D3	10	8.4	13.04
108A D1D1	7.6	5.22	13.14
108A D1D2	12.4	13.01	11.59
108A D2D1	6.6	14.9	14.19
108A D2D2	6.2	8.78	13.75
108A D2D3	8	9.15	16.45
108A D2D4	5.8	5.86	16.57
108A D2D5	5.6	12.1	15.05
108A D2D6	9	11.7	14.64
108A D2D7	6.65	11.1	14.33
108A D2D8	7.2	7.12	13.21
108A D3D1	11.4	10.3	16.64
108A D3D2	7.6	6.77	16.36
108A D4D1	7	3.74	13.89

Room:	108A					
Date:	19/02/1998					
	15 - 85	85 - 150	150 - 275	275 - 400	400 - 900	900 - 1400
	CPMA	**CPMB**	**CPMC**	**CPMD**	**CPME**	**CPMF**
BACKGROUND	33	23	52	36	66	32
Cr-51 Sample	357	453	1106	2679	66	27
108A A1TOP	32	25	44	37	65	27
108A A1N2	31	29	51	35	67	26
108A A1W2	34	26	50	36	66	29
108A A2TOP	35	26	47	31	65	25
108A A2	35	25	51	32	67	29
108A A2W1	35	25	53	36	64	25
108A A2W2	30	24	44	36	67	28
108A A3TOP	31	36	49	39	69	30
108A A3W2	38	28	53	35	64	23
108A A4	37	27	47	32	68	32
108A SINK	30	25	49	33	63	29
108A A4TOP	34	27	53	38	65	29
108A A4W2	33	26	52	36	72	33
108A A4S2	30	27	48	36	68	28
108A B1TOP	33	26	49	32	63	26
108A B1	31	31	55	34	67	29
108A B1N2	36	27	46	37	67	36
108A B2	38	27	47	36	61	28
108A B3	30	31	51	36	66	29
108A B4	32	27	53	38	65	31
108A B4S1	29	25	52	35	70	27
108A B4S2	30	29	44	34	62	28
108A C1TOP	32	26	52	38	64	25
108A C1	31	26	47	37	70	34
108A C1N1	33	29	53	37	69	26
108A C1N2	33	30	50	35	69	29
108A C2	33	28	54	32	72	27
108A C3	34	29	47	33	68	23
108A C4	31	26	49	38	64	33
108A C4S1	33	26	49	34	72	29
108A C4S2	35	25	51	33	65	72
108A D1TOP	32	31	50	35	70	26
108A D1	33	27	54	34	62	32
108A D1N1	33	30	51	35	64	34
108A D1N2	33	24	47	30	69	31
108A D2	34	27	55	33	66	30
108A D2TOP	28	32	52	37	68	29
108A D3	35	25	52	38	66	29
108A D3TOP	35	29	53	37	70	29
108A D4	28	32	56	34	73	26
108A D4TOP	34	27	58	34	66	32

	15 - 85	85 - 150	150 - 275	275 - 400	400 - 900	900 - 1400
	CPMA	**CPMB**	**CPMC**	**CPMD**	**CPME**	**CPMF**
108A D4S1	32	31	54	33	69	25
108A D4S2	36	28	52	36	61	29
108A E1TOP	38	24	51	39	64	30
108A E1N2	34	28	52	41	65	32
108A E1E2	38	30	47	33	68	28
108A E2TOP	29	30	55	31	66	29
108A E2E2	37	28	51	31	70	25
108A E3TOP	32	26	53	39	72	31
108A E3E1	30	26	48	34	65	31
108A E3E2	34	26	50	38	55	32
108A E4TOP	34	27	52	36	66	28
108A E4	36	29	58	30	76	28
108A E4E1	30	28	56	32	68	33
108A E4E2	32	27	55	31	67	28
108A E4S1	31	30	51	37	71	30
108A E4S2	30	25	52	33	68	30
108A A1D1	29	23	54	38	69	30
108A A3D1	30	30	54	34	65	30
108A A3D2	34	31	48	34	71	28
108A A3D3	38	26	51	38	70	28
108A A4D1	35	28	56	42	62	21
108A B1D1	31	25	52	39	67	31
108A B1D2	29	27	50	39	70	29
108A C1D1	33	26	53	36	70	28
108A C1D2	36	29	49	31	65	25
108A C1D3	32	30	54	40	69	30
108A D1D1	38	23	58	36	68	31
108A D1D2	34	29	54	35	66	28
108A D2D1	32	28	55	35	61	30
108A D2D2	39	31	53	36	71	33
108A D2D3	31	31	49	35	62	30
108A D2D4	38	27	61	31	71	28
108A D2D5	33	31	54	35	69	30
108A D2D6	31	28	48	37	70	28
108A D2D7	31	25	58	39	73	31
108A D2D8	32	26	55	36	72	31
108A D3D1	33	32	58	34	62	26
108A D3D2	34	31	52	35	64	31
108A D4D1	32	27	54	38	74	33
Average:	33.03	27.69	51.69	35.31	67.13	29.53
Low - Bkd:	(5)	0	(8)	(6)	(11)	(11)
High - Bkd:	6	13	9	6	10	40
MDA:	34	17	47	74	109	79

Historical Review of Affected Areas					
Room	Auth.	Cleared	Isotopes	mCi	Comments
114	639	7/96	H-3	50	1 area of contamination (828 dpm of H-3) was found on a survey on 7/96 in front of the rad. waste area. This area was cleaned by HPO at the time of the survey.
			C-14	5	
			P-32	5	
			P-33	5	
			S-35	15	
			Cr-51	10	2 areas of contamination (47 and 1452 dpm of Cr-51) were found on a survey on 6/95 and 7/96 respectively in front of the rad. waste area. These areas were cleaned by HPO at the time of the survey.
			I-125	1	
			Ra-226	0.01	Sealed Source
The only long lived radionuclides that are likely to be in this room at the time of the survey are H-3, C-14, and S-35					

GRAPHICAL ILLUSTRATION



Room 114, Building 508 Forest Glen Section - Affected Area

Health Physics Office
Walter Reed Army Medical Center
Washington, DC 20307

Date: 6 March 1998
Drawn: ARM
Approved: WBJ
Scale: NTS
Plate: N/A

Room:	508-114					
Date:	20/02/1998					
	Meter	**- BKD**		**Meter**	**- BKD**	
Sample Number	**β cpm**	**β cpm**	**2σ**	**γ cpm**	**γ cpm**	**2σ**
BACKGROUND	36.1	0		153	0	
114A1	45.9	9.8	17.7	149	-4	34.1
114A1N1						
114A1N2	28.9	-7.2	15.8			
114A1D1						
114A1D2						
114A2	41.9	5.8	17.3	128	-25	32.9
114A2W1						
114A2W2	47.8	11.7	18.0			
114A2D1						
114A2D2						
114A2D3						
114A2D4						
114A2D5						
114A2D6						
114A3	39.9	3.8	17.1	161	8	34.7
114A2D7						
114A3W2	42.9	6.8	17.4			
114A3D1						
114A3D2						
114A3D3						
114A3D4						
114A4TOP	27.9	-8.2	15.7			
114A4W2	45.9	9.8	17.7			
114A5TOP	20.9	-15.2	14.8	164	11	34.9
114A5W2	29.9	-6.2	15.9			
114A5D1						
114A5D2						
114A5D3						
114A5D4						
114A5D5						
114A5D6						
114A6	41.9	5.8	17.3	167	14	35.1
114A6W2	71.8	35.7	20.4			
114A6D1						
114A6D2						
114A6D3						
114A7TOP	22.9	-13.2	15.1			
114A7S2	55.8	19.7	18.8			
114A7W2	40.9	4.8	17.2			
114B1	42.9	6.8	17.4	140	-13	33.5
114B1N1	38.9	2.8	17.0			
114B1N2	38.9	2.8	17.0			

	Meter	- BKD		Meter	- BKD	
Sample Number	β cpm	β cpm	2 σ	γ cpm	γ cpm	2 σ
114B2	37.9	1.8	16.9	122	-31	32.5
114B3	40.9	4.8	17.2	140	-13	33.5
114B4	34.9	-1.2	16.5	119	-34	32.3
114B4TOP	33.9	-2.2	16.4			
114B5	26.9	-9.2	15.6	152	-1	34.2
114B5TOP	39.5	3.4	17.0			
114B6	28.9	-7.2	15.8	156	3	34.5
114C1	22.9	-13.2	15.1	117	-36	32.2
114C1N1	30.9	-5.2	16.0			
114C1N2	39.9	3.8	17.1			
114C2	35.9	-0.2	16.6	148	-5	34.0
114C3	27.9	-8.2	15.7	134	-19	33.2
114C3D1						
114C3D2						
114C3D3						
114C3D4						
114C4	31.9	-4.2	16.2	149	-4	34.1
114C4TOP	32.9	-3.2	16.3			
114C5TOP	15.9	-20.2	14.1	138	-15	33.4
114C5TOP	41.9	5.8	17.3			
114C6	32.9	-3.2	16.3	147	-6	33.9
114C7	31.9	-4.2	16.2	199	46	36.8
114C7S1	42.9	6.8	17.4			
114C7S2	44.9	8.8	17.6			
114D1	37.9	1.8	16.9	119	-34	32.3
114D1N1	25.9	-10.2	15.4			
114D1N2	37.9	1.8	16.9			
114D1E1	42.9	6.8	17.4			
114D1E2	24.9	-11.2	15.3			
114D2	28.9	-7.2	15.8	122	-31	32.5
114D2E1	35.9	-0.2	16.6			
114D2E2	24.9	-11.2	15.3			
114D3	46.9	10.8	17.9	146	-7	33.9
114D3E2	24.9	-11.2	15.3			
114D3D1						
114D3D2						
114D3D3						
114D3D4						
114D3D5						
114D3D6						
114D3D7						
114D3D8						
114D4	25.9	-10.2	15.4	116	-37	32.1
114D4E1						
114D4E2	27.9	-8.2	15.7			
114D4D1						
114D4TOP	31.9	-4.2	16.2			

	Meter	- BKD		Meter	- BKD	
Sample Number	β cpm	β cpm	2 σ	γ cpm	γ cpm	2 σ
114D5	40.9	4.8	17.2	132	-21	33.1
114D5E2	36.9	0.8	16.7			
114D5D1						
114D5D2						
114D5D3						
114D5D4						
114D5D5						
114D5D6						
114D5D7						
114D6	27.9	-8.2	15.7	158	5	34.6
114D6E1	30.9	-5.2	16.0			
114D6E2	25.9	-10.2	15.4			
114D7	32.9	-3.2	16.3	200	47	36.8
114D7E1	37.9	1.8	16.9			
114D7E2	47.8	11.7	18.0			
114D7S1	54.8	18.7	18.7			
114R1						
114R2						
114R3						
114R4						
114R5						
114R6						
114D3TOP						
114D5TOP						
114C5D1						
114C5D2						
114C5D3						
114C5D4						
114A1W2	36.9	0.8	16.7			
114B7	35.9	-0.2	16.6			
114B7S2	59.8	23.7	19.2			
114C7TOP	31.9	-4.2	16.2			
114D7S2	49.8	13.7	18.2			
Average:	36.4	0.3		144.9	(8.1)	
Low:	15.9	(20.2)		116.0	(37.0)	
High:	71.8	23.7		200.0	47.0	
MDA:	1411			203		

MCHL-HP

SUBJECT: Decommissioning of Building 508, Forest Glen Section

Room:	508-114		
Date:	20/02/1998		
Data Entered By:	SPC Futch		
		Liquid Scintillation Counter	
Sample Number	**> 150 keV cpm**	**H-3 dpm**	**C-14 dpm**
BACKGROUND	14	8.39	20.32
114A1	6.6	11.06	11.3
114A1W1	7.4	8.89	14.69
114A1W2	10.4	5.68	15.15
114A1N1	10.15	10.6	12.74
114A1N2	8.2	32.81	14.9
114A1D1	11	31.23	16.5
114A1D2	10.8	326.22	40.88
114A2	5.82	5.63	14.98
114A2W1	7.8	31.54	19.18
114A2W2	8.6	11.32	12.51
114A2D1	7.8	5.38	19.75
114A2D2	9.8	9.07	14.54
114A2D3	7.2	117.02	10.83
114A2D4	8.6	4.49	13.75
114A2D5	8.83	453.1	109.16
114A2D6	8.82	90.09	11.15
114A3	9.2	275.04	54.43
114A2D7	10.2	131.46	18.69
114A3W2	7.4	7.17	16.43
114A3D1	9	10.14	15.02
114A3D2	7.2	9.76	17.71
114A3D3	7.97	16.12	15.27
114A3D4	9.2	296.66	54.91
114A4TOP	6.4	3.38	20.22
114A4W2	9.8	146.6	14.88
114A5TOP	9.2	206.09	14.56
114A5W2	7.6	7.45	14.76
114A5D1	8.4	215.55	48.72
114A5D2	8.88	10.77	16.5
114A5D3	7.4	3.21	12.96
114A5D4	5.6	7.81	12.39
114A5D5	7.8	2.84	16.34
114A5D6	22.61	2780.2	88.74
114A6	6.6	12.92	17.49
114A6W2	9.4	92.66	10.34
114A6D1	7.39	7.01	15.8
114A6D2	8.8	463.52	2.37
114A6D3	8.2	12.08	15.14
114A7TOP	9.2	22.05	13.12
114A7S2	8.6	40.59	16.9
114A7W2	9	7.03	11.81
114B1	8.4	11.42	17.23

	Liquid Scintillation Counter		
Sample Number	> 150 keV cpm	H-3 dpm	C-14 dpm
114B1N1	7.4	9.96	15.52
114B1N2	8.6	5.25	17.82
114B2	10.4	7.76	12.51
114B3	10.2	5.7	16.65
114B4	9.6	5.91	13.79
114B4TOP	8	5.41	11.95
114B5	10.6	8.8	15.46
114B5TOP	9.6	4.46	19.79
114B6	9.8	29.96	13.01
114C1	12.6	18.1	17.54
114C1N1	8.2	6.12	14.23
114C1N2	8.4	263.14	4.86
114C2	9	439.2	42.74
114C3	9.4	13.3	10.14
114C3D1	9.77	8.32	13.49
114C3D2	6.8	12.9	13.03
114C3D3	9	9.72	12.87
114C3D4	9	22.23	12.57
114C4	7.6	6.42	16.8
114C4TOP	9.6	12.98	18.22
114C5TOP	8.06	11.8	13.38
114C5TOP	8.6	12.98	19.31
114C6	8.8	13.04	14.81
114C7	9.6	12.94	13.07
114C7S1	7.17	40.86	14.31
114C7S2	10.6	16.38	15.37
114D1	10.8	27.78	13.79
114D1N1	7.8	23.14	15.26
114D1N2	9.4	12.52	13.22
114D1E1	8.8	10.34	17.15
114D1E2	9	16.47	17.98
114D2	9	5.08	16.27
114D2E1	10.35	10.34	16.04
114D2E2	8.39	11.52	15.3
114D3	8.4	14.06	17.09
114D3E2	8.4	7.88	16.21
114D3D1	7.2	14.96	13.7
114D3D2	9.09	8.17	17.06
114D3D3	8	12.79	17.1
114D3D4	8.8	11.87	14.32
114D3D5	8.4	19.3	13.4
114D3D6	7	11.76	16.31
114D3D7	9.14	3.35	14.61
114D3D8	8.6	21.58	17.84
114D4	9.56	10.95	16.77
114D4E1	8.4	6.32	16.52
114D4E2	7.2	10.49	14.69

	Liquid Scintillation Counter		
Sample Number	**> 150 keV cpm**	**H-3 dpm**	**C-14 dpm**
114D4D1	9.8	8.91	11.24
114D4TOP	11.8	5.67	17.82
114D5	9.8	251.26	28.78
114D5E2	8.2	15.45	13.74
114D5D1	8.2	12.54	15.2
114D5D2	10.2	17.19	15.08
114D5D3	11.6	20.17	11.84
114D5D4	8.4	3.5	19.99
114D5D5	8.4	15.52	17.85
114D5D6	8.6	15.19	17.29
114D5D7	8.2	18.44	14.05
114D6	11.8	8.46	15.95
114D6E1	10	13.82	15.7
114D6E2	6.8	8.32	15.67
114D7	8.6	8.11	13.4
114D7E1	10.18	6.96	15.32
114D7E2	7.2	13.4	14.64
114D7S1	8.55	16.55	15.04
114D7S2	9.6	7.55	19.12
114R1	9.8	12.48	15.34
114R2	11.36	150.13	27.96
114R3	8	4.67	17.65
114R4	9.2	11.45	14.73
114R5	10.6	493.4	9.42
114R6	11.68	9.86	15.73
114D3TOP	8.2	23.36	20.56
114D5TOP	9.47	12.57	18.42
114C5D1	7.8	27.13	14.33
114C5D2	10	30.04	16.31
114C5D3	9.2	13.16	17.59
114C5D4	9.6	10.38	15.94
Reswipe Analysis	**Liquid Scintillation Counter**		
Sample Number	**> 150 keV cpm**	**H-3 dpm**	**C-14 dpm**
114A1D2/1	10.6	9.44	22.24
114A1D2/2	9.2	10.88	12.23
114A3-1/1	7.6	11.22	11.96
114A3-1/2	9	9.03	17.15
114A3-1/3	6.2	9.19	14.95
114A3-1/4	6.8	12.92	14.79
114A5TOP7/1	8.4	10.1	14.44
114A5TOP7/2	6.6	10.04	16.99
114A5TOP7/3	8.2	9.01	13.05
114A5TOP7/4	11.8	14.52	13.14
114A5TOP8/1	7.2	4.79	16.89

	Liquid Scintillation Counter		
Sample Number	**> 150 keV cpm**	**H-3 dpm**	**C-14 dpm**
114A5TOP8/2	7.6	8.77	18.23
114A5TOP8/3	9.6	5.1	14.38
114A5TOP8/4	10.2	10.57	15.47
114A5TOP9/1	8.2	9.17	13.25
114A5TOP9/2	8.06	12.23	17.1
114A5TOP9/3	8.4	10.53	13.69
114A5TOP9/4	6.93	14.34	14.72
114A5D6 3/1	9.2	7.26	16.2
114A5D6 3/2	9.2	4.96	16.12
114R2 1/1	9.2	5.04	17.37
114R2 1/2	7.4	42.47	16.05
114R2 1/3	10.76	10.1	19.32
114R2 1/4	11.6	12.87	14.98
114A6W2 4/1	7.6	8.58	17.34
114A6W2 4/2	8.2	7.33	15.92
114A6W2 4/3	9.6	4.36	19.19
114A6W2 4/4	10.6	9.81	14.36
114C1N2 9/1	9.02	7.52	14.97
114C1N2 9/2	7	6.55	16.59
114C1N2 9/3	9.4	11.67	18.5
114C1N2 9/4	8.42	6.33	17.01
114C2 1/1	7.2	4.31	15.8
114C2 1/2	9.4	10.99	17.05
114C2 1/3	9.6	13.04	17.72
114C2 1/4	9.8	16.55	15.07
114C2 3/1	7.17	11.13	11.41
114C2 3/2	9.08	20.91	15.95
114C2 3/3	7.2	8.43	16.43
114C2 3/4	9.2	10.34	13.28
114C1N2 5/1	7.6	9.03	17.43
114C1N2 5/3	6.6	6.82	15.7
114C1N2 5/2	8.8	6.74	19.3
114C1N2 5/4	9.8	10.37	16.83

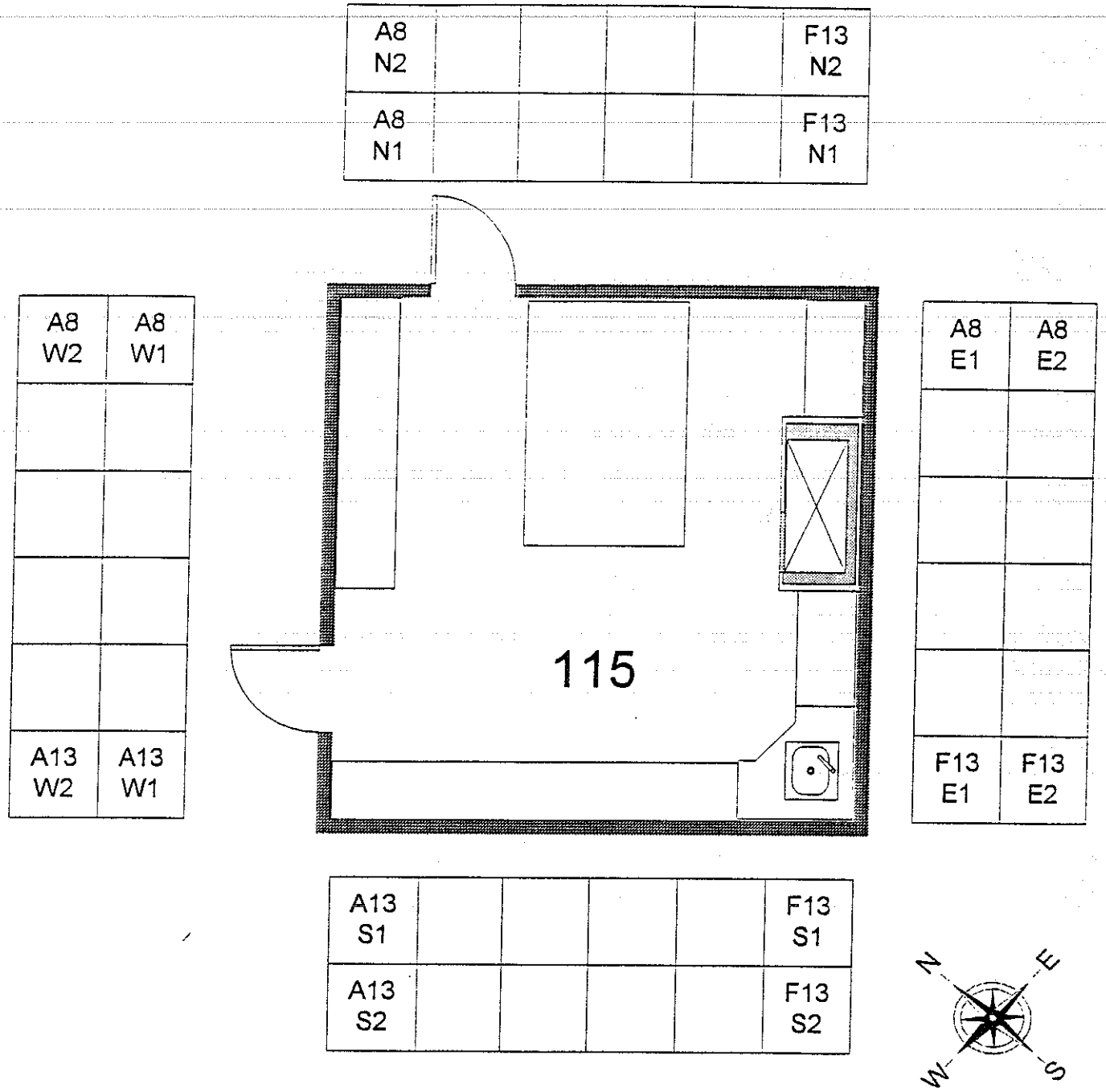
Room:	508-114					
Date:	20/02/1998					
	15 - 85	85 - 150	150 - 275	275 - 400	400 - 900	900 - 1400
Sample Number	**CPMA**	**CPMB**	**CPMC**	**CPMD**	**CPME**	**CPMF**
BACKGROUND	30	31	54	39	64	28
Cr-51	423	532	1308	3485	74	33
114A1	33	24	54	38	66	31
114A1W1	30	32	50	32	72	32
114A1W2	33	32	51	34	70	28
114A1N1	33	22	53	34	67	29
114A1N2	31	30	50	38	70	30
114A1D1	30	30	56	38	65	31
114A1D2	30	30	48	29	69	26
114A2	30	25	50	34	68	29
114A2W1	35	27	49	33	64	29
114A2W2	26	31	58	34	64	29
114A2D1	29	32	57	32	67	30
114A2D2	33	25	57	39	70	29
114A2D3	30	33	50	38	64	30
114A2D4	32	30	55	36	67	26
114A2D5	33	28	51	38	71	32
114A2D6	31	26	55	32	68	29
114A3	32	29	56	36	71	29
114A2D7	34	30	47	37	74	26
114A3W2	35	25	53	38	70	28
114A3D1	34	26	53	36	62	29
114A3D2	31	27	46	39	67	31
114A3D3	30	27	52	32	69	33
114A3D4	33	26	52	40	69	27
114A4TOP	31	27	56	35	73	29
114A4W2	32	29	57	34	64	25
114A5TOP	33	28	54	36	68	37
114A5W2	30	32	50	36	65	28
114A5D1	27	26	53	36	61	33
114A5D2	33	28	53	31	65	28
114A5D3	35	27	53	38	68	30
114A5D4	31	26	55	34	70	30
114A5D5	36	26	50	34	63	33
114A5D6	35	28	48	34	66	26
114A6	33	28	52	30	70	32
114A6W2	30	23	50	34	73	28
114A6D1	31	27	53	33	62	30
114A6D2	30	31	52	36	66	33
114A6D3	34	29	52	40	69	28
114A7TOP	37	30	57	34	60	28
114A7S2	34	28	52	34	72	31
114A7W2	32	24	53	40	69	32

	15 - 85	85 - 150	150 - 275	275 - 400	400 - 900	900 - 1400
Sample Number	**CPMA**	**CPMB**	**CPMC**	**CPMD**	**CPME**	**CPMF**
114B1	36	27	49	31	73	28
114B1N1	31	26	48	43	71	29
114B1N2	38	27	46	34	64	27
114B2	34	28	55	39	74	30
114B3	37	27	54	35	66	26
114B4	34	25	49	41	68	30
114B4TOP	35	26	59	33	60	27
114B5	33	27	49	33	70	33
114B5TOP	30	29	52	36	68	28
114B6	30	24	58	37	68	30
114C1	37	29	53	38	74	36
114C1N1	33	30	47	36	70	32
114C1N2	31	26	55	33	71	30
114C2	33	30	52	39	66	29
114C3	36	28	51	34	69	33
114C3D1	35	26	55	34	71	34
114C3D2	32	31	55	36	72	29
114C3D3	34	27	51	38	72	36
114C3D4	34	30	55	36	72	29
114C4	40	27	51	36	72	31
114C4TOP	34	25	58	37	66	33
114C5TOP	30	28	54	39	65	32
114C5TOP	32	28	49	39	62	31
114C6	32	23	49	37	71	27
114C7	38	28	50	31	63	27
114C7S1	29	34	52	31	70	29
114C7S2	31	29	52	34	73	30
114D1	38	24	52	41	73	31
114D1N1	39	30	57	34	77	28
114D1N2	30	31	57	36	64	29
114D1E1	33	25	53	31	63	31
114D1E2	35	26	53	36	74	28
114D2	38	29	55	40	70	31
114D2E1	32	30	51	38	77	30
114D2E2	40	30	55	37	70	28
114D3	32	31	59	33	71	33
114D3E2	33	32	54	32	65	30
114D3D1	34	31	57	32	72	36
114D3D2	37	28	57	38	73	30
114D3D3	37	25	53	41	66	31
114D3D4	32	27	52	36	71	32
114D3D5	34	29	51	36	61	28
114D3D6	30	28	53	37	67	30
114D3D7	37	29	54	33	71	32
114D3D8	35	29	54	39	71	29
114D4	29	28	56	38	77	27
114D4E1	33	25	49	36	67	31

	15 - 85	85 - 150	150 - 275	275 - 400	400 - 900	900 - 1400
Sample Number	**CPMA**	**CPMB**	**CPMC**	**CPMD**	**CPME**	**CPMF**
114D4E2	36	27	51	38	66	31
114D4D1	34	31	53	29	78	30
114D4TOP	37	30	48	34	67	31
114D5	33	23	52	37	71	31
114D5E2	40	26	54	38	69	31
114D5D1	35	30	53	33	66	29
114D5D2	32	33	51	35	71	35
114D5D3	29	29	54	29	65	28
114D5D4	36	25	55	33	71	31
114D5D5	33	29	53	36	63	33
114D5D6	29	23	50	33	67	32
114D5D7	38	27	53	41	66	29
114D6	35	28	59	34	69	32
114D6E1	32	30	53	40	65	26
114D6E2	34	27	54	37	69	31
114D7	32	26	54	38	65	29
114D7E1	37	26	46	36	77	31
114D7E2	32	31	51	37	66	29
114D7S1	36	27	53	35	78	33
114D7S2	34	28	56	32	77	36
114R1	37	28	53	35	72	28
114R2	37	28	53	36	74	29
114R3	37	28	51	30	62	27
114R4	36	22	51	36	72	28
114R5	33	26	53	39	65	26
114R6	31	27	53	36	71	31
114D3TOP	30	29	51	33	72	30
114D5TOP	32	29	51	34	67	30
114C5D1	35	29	53	36	68	29
114C5D2	35	24	47	38	69	31
114C5D3	40	27	46	35	61	27
114C5D4	31	25	58	33	74	32
Average:	33.39	27.78	52.63	35.55	68.68	30.01
Low - Bkd:	(4)	(9)	(8)	(10)	(4)	(3)
High - Bkd:	10	3	5	4	14	9
MDA:	32	19	48	77	107	74

Historical Review of Affected Areas					
Room	Auth.	Cleared	Isotopes	mCi	Comments
115	639	7/96	H-3	50	
			C-14	5	
			P-32	5	
			P-33	5	
			S-35	15	
			Cr-51	10	1 areas of contamination (343 dpm of Cr-51) was found on a survey on 2/96 in the rad. storage freezer. This area was cleaned by HPO at the time of the survey.
			I-125	1	
The only long lived radionuclides that are likely to be in this room at the time of the survey are H-3, C-14, and S-35					

GRAPHICAL ILLUSTRATION



Room 115, Building 508 Forest Glen Section - Affected Area

Health Physics Office
Walter Reed Army Medical Center
Washington, DC 20307

Date: 6 March 1998
Drawn: ARM
Approved: WBJ
Scale: NTS
Plate: N/A

Room:	508_115					
Date:	23/02/1998					
	Meter	**- BKD**		**Meter**	**- BKD**	
Sample Number	**β cpm**	**β cpm**	**2 σ**	**γ cpm**	**γ cpm**	**2 σ**
BACKGROUND	40.1	0		137	0	
H-3 Standard						
115A1W1						
115A1W2	39.9	-0.2	17.5			
115A1N1						
115A1N2	32.9	-7.2	16.7			
115A2W1						
115A2W2	27.9	-12.2	16.2			
115A3	31.9	-8.2	16.6	171	34	34.4
115A3W1	29.9	-10.2	16.4			
115A3W2	31.9	-8.2	16.6			
115A4	37.9	-2.2	17.3	159	22	33.7
115A4W1	33.9	-6.2	16.9			
115A4W2	35.9	-4.2	17.1			
115A5	39.9	-0.2	17.5	150	13	33.2
115A5W1	31.9	-8.2	16.6			
115A5W2	38.9	-1.2	17.4			
115A6	32.9	-7.2	16.7	159	22	33.7
115A6W1	32.9	-7.2	16.7			
115A6W2	41.9	1.8	17.7			
115A8	37.9	-2.2	17.3	141	4	32.7
115A8TOP						
115A8W2	24.9	-15.2	15.8			
115A9	39.9	-0.2	17.5			
115A9TOP	51.8	11.7	18.8	144	7	32.9
115A9W2	46.9	6.8	18.3			
115A10	19.9	-20.2	15.2			
115A10T	43.9	3.8	18.0	164	27	34.0
115A10W2	52.8	12.7	18.9			
115A11	37.9	-2.2	17.3			
115A11TOP	36.9	-3.2	17.2	171	34	34.4
115A11W1	26.9	-13.2	16.0			
115A11W2	38.9	-1.2	17.4			
115A12	24.9	-15.2	15.8			
115A12T	50.8	10.7	18.7	203	66	36.1
115A12W1	37.9	-2.2	17.3			
115A12W2	34.9	-5.2	17.0			
115A13						
115A13TOP						
115A13S2	32.9	-7.2	16.7			
115A13N2						
115B1	29.9	-10.2	16.4	141	4	32.7
115B1N1	31.9	-8.2	16.6			

	Meter	- BKD		Meter	- BKD	
Sample Number	β cpm	β cpm	2 σ	γ cpm	γ cpm	2 σ
115B1N2	22.9	-17.2	15.6			
115B2	36.9	-3.2	17.2	133	-4	32.2
115B2E1						
115B2E2						
115B3	40.9	0.8	17.6	197	60	35.8
115B3E1	48.8	8.7	18.5			
115B3E2	31.9	-8.2	16.6			
115B4	26.9	-13.2	16.0	187	50	35.3
115B4E1	42.9	2.8	17.9			
115B4E2	45.9	5.8	18.2			
115B5	42.9	2.8	17.9	188	51	35.3
115B5E1	46.9	6.8	18.3			
115B5E2	38.9	-1.2	17.4			
115B6	27.9	-12.2	16.2	201	64	36.0
115B6E1	34.9	-5.2	17.0			
115B6E2	27.9	-12.2	16.2			
115B7	31.9	-8.2	16.6	128	-9	31.9
115B7E1	48.8	8.7	18.5			
115B7E2	46.9	6.8	18.3			
115B8	37.9	-2.2	17.3	142	5	32.7
115B8E1	45.9	5.8	18.2			
115B8E2	40.9	0.8	17.6			
115B9	40.9	0.8	17.6	165	28	34.1
115B10	33.9	-6.2	16.9	155	18	33.5
115B11	42.9	2.8	17.9	181	44	35.0
115B12	40.9	0.8	17.6			
115B12TOP	48.8	8.7	18.5	189	52	35.4
115B13	41.9	1.8	17.7			
115B13T0P	52.8	12.7	18.9	202	65	36.1
115B13S2						
115C8TOP	38.9	-1.2	17.4	136	-1	32.4
115C8N2	53.8	13.7	19.0			
115C9TOP	44.9	4.8	18.1	129	-8	32.0
115C10TOP	40.9	0.8	17.6	150	13	33.2
115C11	28.9	-11.2	16.3	154	17	33.4
115C11TOP						
115C12	36.9	-3.2	17.2			
115C12TOP	42.9	2.8	17.9	156	19	33.5
115C13TOP	43.9	3.8	18.0	232	95	37.7
115C13S2	42.9	2.8	17.9			
115D8	31.9	-8.2	16.6			
115D8TOP	34.9	-5.2	17.0	200	63	36.0
115D8N1	43.9	3.8	18.0			
115D8N2	44.9	4.8	18.1			
115D9	33.9	-6.2	16.9			
115D9TOP	34.4	-5.7	16.9	208	71	36.4
115D10	55.8	15.7	19.2	169	32	34.3

	Meter	- BKD		Meter	- BKD	
Sample Number	β cpm	β cpm	2 σ	γ cpm	γ cpm	2 σ
115D10TOP						
115D11	32.9	-7.2	16.7			
115D11TOP	36.9	-3.2	17.2	144	7	32.9
115D12	25.9	-14.2	15.9			
115D12TOP	42.9	2.8	17.9	159	22	33.7
115D13TOP	45.9	5.8	18.2	194	57	35.7
115D13S2	54.8	14.7	19.1			
115E8	44.9	4.8	18.1	255	118	38.8
115E8N1	44.9	4.8	18.1			
115E8N2	50.2	10.1	18.6			
115E9	40.9	0.8	17.6	202	65	36.1
115E10	44.9	4.8	18.1	200	63	36.0
115F8E2	61.8	21.7	19.8			
115F8N2	53.8	13.7	19.0			
115F8N1						
115F8TOP	50.8	10.7	18.7	245	108	38.3
115F8	40.9	0.8	17.6			
115E13S2	49.8	9.7	18.6			
115E13TOP	38.9	-1.2	17.4	207	70	36.4
115E12TOP	36.9	-3.2	17.2	194	57	35.7
115E12	32.9	-7.2	16.7			
115E11	28.9	-11.2	16.3	190	53	35.4
115F12E2	52.8	12.7	18.9			
115F12TOP						
115F12	33.9	-6.2	16.9	201	64	36.0
115F11E2	45.9	5.8	18.2			
115F11	37.9	-2.2	17.3			
115F11TOP	34.9	-5.2	17.0	212	75	36.6
115F10						
115F9E2	56.8	16.7	19.3			
115F9TOP	34.9	-5.2	17.0	204	67	36.2
115F9	31.9	-8.2	16.6			
115F13S2	47.8	7.7	18.4			
115F13E2	56.8	16.7	19.3			
115F13	42.9	2.8	17.9	241	104	38.1
BKG						
STANDARD						
115A8W1	35.9	-4.2	17.1			
115A9W1	38.9	-1.2	17.4			
115A10W1	37.9	-2.2	17.3			
Average:	39.6	(0.3)		179.0	42.0	
Low:	19.9	(20.2)		128.0	(9.0)	
High:	61.8	21.7		255.0	118.0	
MDA:	1487			192		

Room:	508_115		
Date:	23/02/1998		
Data Entered By:	SPC Futch		
	Liquid Scintillation Counter		
Sample Number	**> 150 keV cpm**	**H-3 dpm**	**C-14 dpm**
BACKGROUND	9.18	9.12	17.07
H-3 Standard	12.77	256518	0
115A1W1	10.61	12.85	15
115A1W2	5.73	7.91	15.09
115A1N1	9.2	9.56	17.95
115A1N2	8.8	6.77	17.66
115A2W1	10.4	12.19	13.62
115A2W2	8.2	12.55	10.62
115A3	8.4	11.74	10.95
115A3W1	7.8	8.74	15.69
115A3W2	8.4	10.28	15.06
115A4	8.8	12.14	15.35
115A4W1	7.2	3.9	14.25
115A4W2	8	10.92	16.54
115A5	7.8	2.99	16.9
115A5W1	8.2	7.81	15.54
115A5W2	9.6	9.21	15.1
115A6	10.4	9.04	10.8
115A6W1	8.8	7.35	15.96
115A6W2	8.8	4.17	14.34
115A8	7.8	8.45	14.64
115A8TOP	11	4.67	15.82
115A8W2	10.4	8.92	17.08
115A9	8.4	6.46	15.84
115A9TOP	7.2	3.67	17.14
115A9W2	7	5.32	17.3
115A10	8	5.67	18.82
115A10T	6.8	4.4	12.12
115A10W2	9.48	7.76	14.82
115A11	9.2	8.83	16.28
115A11TOP	7.48	3.32	18.65
115A11W1	8.4	10.86	11.25
115A11W2	9.6	9.3	13.69
115A12	7.58	10.89	16.71
115A12T	7.8	6.67	17.4
115A12W1	9.2	5.04	12.23
115A12W2	8.6	8.02	15.61
115A13	8.66	5.26	18.45
115A13TOP	7	4.78	16.41
115A13S2	8.8	8.28	13.39
115A13N2	8	9.32	19.07
115B1	6.88	7.29	17.82
115B1N1	7.2	6.12	17.65

	Liquid Scintillation Counter		
Sample Number	> 150 keV cpm	H-3 dpm	C-14 dpm
115B1N2	6.4	9.97	14.61
115B2	9	2.57	13.09
115B2E1	9.4	10.68	15.27
115B2E2	6.2	12.1	15.46
115B3	7.8	7.04	16.6
115B3E1	7.6	3.01	18.05
115B3E2	7.6	9.89	14.53
115B4	8.2	9.1	13.57
115B4E1	7.8	5.68	16.56
115B4E2	7.2	7.92	18.24
115B5	9.2	11.41	11.62
115B5E1	7.2	7.15	14.8
115B5E2	7	11	12.83
115B6	7.8	7.87	14.52
115B6E1	6	11.42	15.02
115B6E2	7.83	9.09	14.57
115B7	10	10.03	14.69
115B7E1	6.4	3.53	15.46
115B7E2	7.8	204.59	4.38
115B8	8.8	9.04	18.78
115B8E1	7.6	12.71	13.25
115B8E2	10	11.13	13.35
115B9	8.49	5.49	13.99
115B10	9.2	9.25	15.37
115B11	2	0	25.6
115B12	10.14	9.29	13.87
115B12TOP	9.8	15.73	11.3
115B13	8.8	7.35	12.56
115B13T0P	9.4	7	16.8
115B13S2	9.6	6.77	15.53
115C8TOP	8.2	7.44	15.7
115C8N2	9.8	22.61	19.83
115C9TOP	6.6	7.91	16.4
115C10TOP	7.2	9.87	17.58
115C11	6.4	6.8	14.04
115C11TOP	7.4	8.34	15.67
115C12	8.38	5.65	12.34
115C12TOP	8.47	8.51	14.62
115C13TOP	6.2	10.25	12.43
115C13S2	6.8	67.94	9.71
115D8	9.2	6.28	16.89
115D8TOP	9.54	2.73	16.67
115D8N1	8.2	5.4	14.98
115D8N2	7	9.21	13.84
115D9	8.2	8.8	15.65
115D9TOP	8.4	11.23	15.4
115D10	8	9.46	13.55

MCHL-HP

SUBJECT: Decommissioning of Building 508, Forest Glen Section

	Liquid Scintillation Counter		
Sample Number	**> 150 keV cpm**	**H-3 dpm**	**C-14 dpm**
115D10TOP	9.8	10.81	15.74
115D11	9.6	4.01	16.31
115D11TOP	8.4	10.51	12.95
115D12	9	5.7	16.78
115D12TOP	8.4	11.35	17.06
115D13TOP	8.6	3.29	15.15
115D13S2	5.4	7.57	16
115E8	6.6	4.97	18.28
115E8N1	9	5.91	17.91
115E8N2	9.2	7.73	15.96
115E9	8.8	5.18	15.71
115E10	9.2	6.54	16.39
115F8E2	8	9.45	15.45
115F8N2	8.8	13.08	17.56
115F8N1	9	6.85	13.28
115F8TOP	9.8	20.87	15.91
115F8	9.75	19.08	16.81
115E13S2	6	4.39	15.41
115E13TOP	7.32	9.31	15.99
115E12TOP	8.6	10.35	14.68
115E12	7.8	7.23	13.38
115E11	5.6	6.26	14.01
115F12E2	6.8	5.81	15.82
115F12TOP	6.6	7.48	12.29
115F12	6.88	5.46	15.27
115F11E2	8.6	3.66	16.27
115F11	6.8	9.74	14.83
115F11TOP	7.96	5.65	15.6
115F10	1.6	0	32.98
115F9E2	8	4.46	17.09
115F9TOP	9.8	2.76	16.44
115F9	9	6.16	17.72
115F13S2	7.52	3.9	14.76
115F13E2	7.4	11.87	10.91
115F13	7.2	11.13	17.79
BKG	9.18	9.12	17.07
STANDARD	12.77	256518	0
115A8W1			
115A9W1			
115A10W1			
Reswipe Analysis	**Liquid Scintillation Counter**		
Sample Number	**> 150 keV cpm**	**H-3 dpm**	**C-14 dpm**
BACKGROUND	10.2	11.95	14.38
115B7E2	7.8	9.97	13.78
115C13S2	7.4	15.23	15.17
115F10	10.2	7.97	14.34

Room:	508_115					
Date:	23/02/1998					
	15 - 85	85 - 150	150 - 275	275 - 400	400 - 900	900 - 1400
Sample Number	**CPMA**	**CPMB**	**CPMC**	**CPMD**	**CPME**	**CPMF**
BACKGROUND	33	25	55	40	66	32
Cr-51	362	494	1157	3045	69	32
115A1W1	38	32	56	40	70	30
115A1W2	35	28	49	35	65	30
115A1N1	34	31	50	36	67	27
115A1N2	31	23	59	40	72	34
115A2W1	33	31	58	35	67	27
115A2W2	35	30	51	34	60	29
115A3	33	25	51	39	64	31
115A3W1	33	28	53	32	68	29
115A3W2	35	26	52	33	68	27
115A4	36	26	53	38	68	32
115A4W1	33	25	50	33	59	30
115A4W2	36	28	49	35	63	27
115A5	31	27	52	36	70	32
115A5W1	28	26	53	28	66	32
115A5W2	36	27	50	37	63	25
115A6	32	24	52	41	66	30
115A6W1	31	23	54	36	75	28
115A6W2	33	24	47	33	67	33
115A8	34	28	53	37	65	29
115A8TOP	33	26	48	27	67	28
115A8W2	30	25	54	36	69	27
115A9	36	27	48	35	64	27
115A9TOP	35	27	49	35	64	30
115A9W2	33	28	53	41	66	29
115A10	29	25	48	35	69	30
115A10T	32	29	57	43	66	26
115A10W2	29	26	51	35	69	30
115A11	36	31	48	34	65	29
115A11TOP	30	26	51	34	65	29
115A11W1	33	26	54	34	61	29
115A11W2	35	28	48	34	64	28
115A12	33	24	51	34	69	31
115A12T	34	29	51	31	65	27
115A12W1	35	31	48	34	66	34
115A12W2	35	28	52	33	70	26
115A13	32	28	50	38	63	31
115A13TOP	28	27	54	36	69	28
115A13S2	33	24	50	34	70	26
115A13N2	33	24	48	32	65	30
115B1	28	24	48	36	71	29
115B1N1	31	26	49	30	64	31

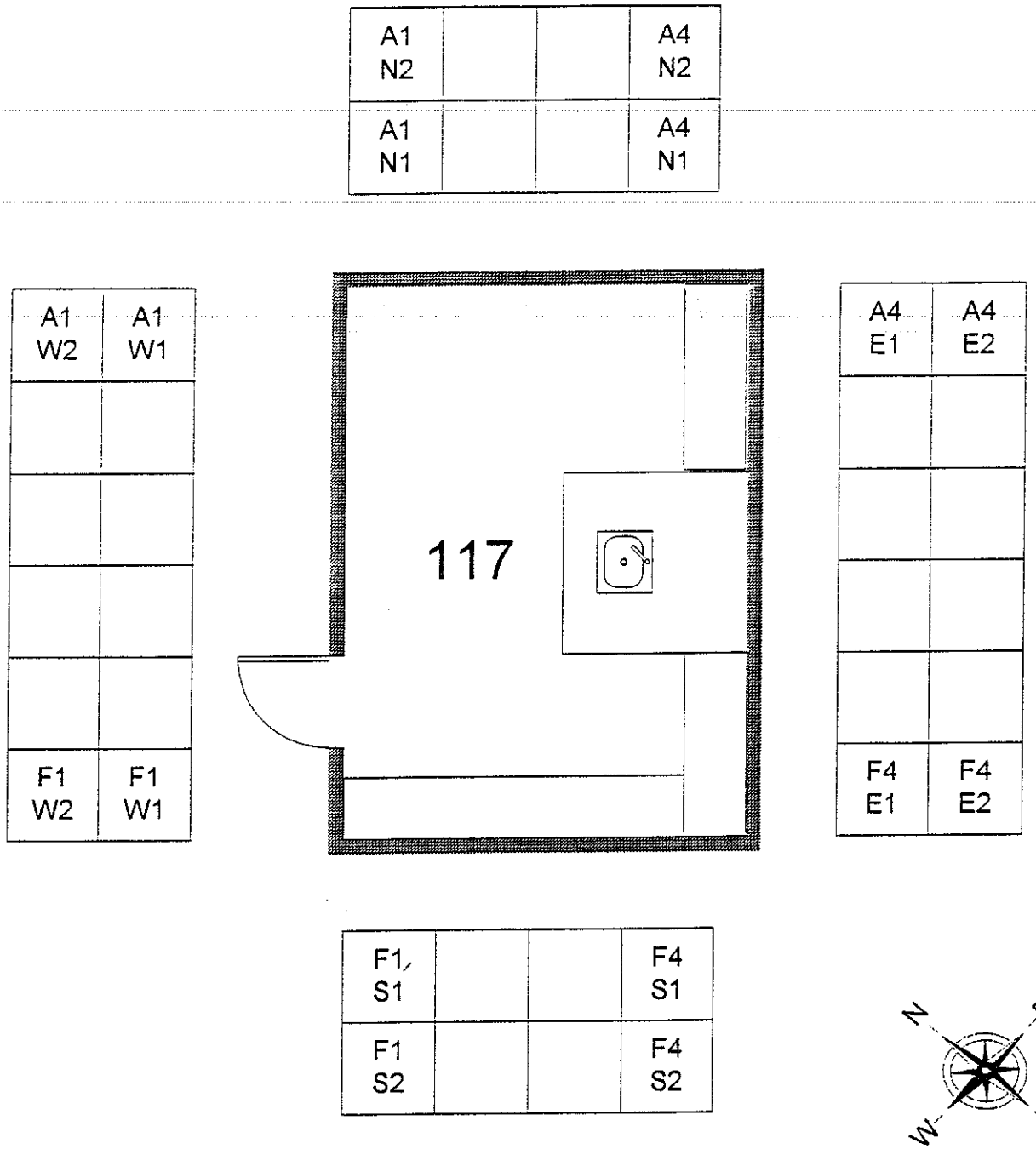
	15 - 85	85 - 150	150 - 275	275 - 400	400 - 900	900 - 1400
Sample Number	**CPMA**	**CPMB**	**CPMC**	**CPMD**	**CPME**	**CPMF**
115B1N2	29	29	49	31	64	24
115B2	26	28	48	37	65	30
115B2E1	34	26	53	36	62	29
115B2E2	32	27	54	34	71	24
115B3	34	25	48	35	66	27
115B3E1	30	24	56	37	69	30
115B3E2	31	27	51	32	62	32
115B4	34	30	53	33	68	28
115B4E1	32	27	54	34	68	24
115B4E2	34	25	48	30	67	27
115B5	33	30	50	32	66	28
115B5E1	36	23	56	35	66	29
115B5E2	28	24	51	34	69	24
115B6	35	24	53	31	69	27
115B6E1	29	29	55	37	60	30
115B6E2	33	27	49	35	65	27
115B7	32	26	51	36	63	30
115B7E1	28	33	49	33	64	33
115B7E2	31	27	51	34	73	35
115B8	32	32	56	39	65	28
115B8E1	35	26	47	37	70	30
115B8E2	37	31	53	36	63	29
115B9	33	25	54	31	63	30
115B10	33	27	48	36	63	29
115B11	30	29	46	35	66	23
115B12	33	24	48	34	69	28
115B12TOP	35	28	49	37	69	31
115B13	32	24	50	36	67	28
115B13T0P	34	27	50	40	74	27
115B13S2	30	30	55	31	69	29
115C8TOP	37	28	51	39	60	31
115C8N2	37	28	51	37	66	28
115C9TOP	31	28	57	37	56	26
115C10TOP	25	25	54	33	66	29
115C11	37	29	53	38	64	31
115C11TOP	28	30	51	33	65	27
115C12	35	26	54	34	66	30
115C12TOP	35	31	51	31	66	33
115C13TOP	32	26	56	34	70	26
115C13S2	29	26	54	32	72	29
115D8	31	26	54	35	68	30
115D8TOP	35	26	55	35	58	33
115D8N1	32	31	56	31	62	30
115D8N2	38	27	53	34	69	30
115D9	34	24	50	36	70	30
115D9TOP	31	24	50	32	62	32
115D10	34	26	49	31	69	26

	15 - 85	85 - 150	150 - 275	275 - 400	400 - 900	900 - 1400
Sample Number	**CPMA**	**CPMB**	**CPMC**	**CPMD**	**CPME**	**CPMF**
115D10TOP	32	25	49	40	65	28
115D11	35	25	52	36	64	29
115D11TOP	34	25	52	32	68	27
115D12	30	25	53	34	65	26
115D12TOP	35	29	52	32	67	32
115D13TOP	28	27	57	32	63	30
115D13S2	31	26	54	32	62	31
115E8	37	29	54	32	66	27
115E8N1	34	27	52	33	69	28
115E8N2	34	29	33	34	63	30
115E9	39	25	49	32	63	30
115E10	32	26	56	33	66	30
115F8E2	34	27	56	35	64	26
115F8N2	32	25	51	38	68	28
115F8N1	36	29	55	28	67	28
115F8TOP	34	25	52	37	67	30
115F8	32	25	51	38	68	27
115E13S2	34	29	55	32	64	30
115E13TOP	31	29	54	32	61	32
115E12TOP	33	28	48	37	69	28
115E12	28	30	46	32	60	28
115E11	26	24	52	32	72	30
115F12E2	34	31	48	33	67	29
115F12TOP	33	24	47	38	63	27
115F12	33	23	53	31	68	26
115F11E2	35	28	47	33	66	30
115F11	31	28	51	32	69	29
115F11TOP	31	25	54	34	75	27
115F10	32	28	53	34	74	26
115F9E2	33	25	57	35	70	28
115F9TOP	34	29	48	33	68	29
115F9	38	26	50	35	74	26
115F13S2	35	27	55	37	66	33
115F13E2	28	26	55	35	63	30
115F13	37	28	56	30	65	33
Average:	32.77	26.93	51.57	34.49	66.32	28.91
Low - Bkd:	(8)	(2)	(22)	(13)	(10)	(9)
High - Bkd:	6	8	4	3	9	3
MDA:	34	17	48	78	109	79

MCHL-HP
SUBJECT: Decommissioning of Building 508, Forest Glen Section

Historical Review of Affected Areas					
Room	Auth.	Cleared	Isotopes	mCi	Comments
117	664	12/93	H-3	50	
			C-14	5	
			P-32	3	
			S-35	15	
			I-125	5	
The only long lived radionuclides that are likely to be in this room at the time of the survey are H-3 and C-14					

GRAPHICAL ILLUSTRATION



Room 117, Building 508 Forest Glen Section - Affected Area

Health Physics Office
Walter Reed Army Medical Center
Washington, DC 20307

Date: 6 March 1998
Drawn: ARM
Approved: WBJ
Scale: NTS
Plate: N/A

MCHL-HP

SUBJECT: Decommissioning of Building 508, Forest Glen Section

Room:	08..Rm 117					
Date:	02/09/98					
	Meter	**- BKD**		**Meter**	**- BKD**	
Sample Number	**β cpm**	**β cpm**	**2 σ**	**γ cpm**	**γ cpm**	**2 σ**
BACKGROUND	29.4	0		142.6	0	
117A1	83.1	53.7	20.8	188	45.4	35.6
117A1N1	83.2	53.8	20.8			
117A1W1	96	66.6	21.9			
117A1N2	46	16.6	17.0			
117A1W2	52.4	23	17.7			
117A2	69.3	39.9	19.5	168	25.4	34.5
117A2N1	47.7	18.3	17.2			
117A2N2	54.5	25.1	18.0			
117A3	71.1	41.7	19.6	175	32.4	34.9
117A3N1	79.6	50.2	20.5			
117A3N2	84.1	54.7	20.9			
117A4	88.8	59.4	21.3	190	47.4	35.7
117A4N1	98.5	69.1	22.2			
117A4N2	98.1	68.7	22.1			
117A4E1	80.8	51.4	20.6			
117A4E2	74	44.6	19.9			
117A4D1						
117A4D2						
117A4D3						
117B1	93.4	64	21.7	186	43.4	35.5
117B1W1	68.1	38.7	19.4			
117B1W2	63.1	33.7	18.9			
117B2	92	62.6	21.6	152	9.4	33.6
117B3	68.4	39	19.4	200	57.4	36.3
117B4	74.3	44.9	20.0	173	30.4	34.8
117B4E2	76.3	46.9	20.2			
117B4D1						
117B4D2						
117C1	93.8	64.4	21.8	151	8.4	33.6
117C1W1	90.2	60.8	21.4			
117C1W2	61.6	32.2	18.7			
117C1D1						
117C2	82.1	52.7	20.7	141	-1.6	33.0
117C2D1						
117C2D2						
117C2D3						
117C2D4						
117C3	78.2	48.8	20.3	147	4.4	33.4
117C3D1						
117C3D2						
117C3D3						
117C3D4						

Sample Number	Meter β cpm	- BKD β cpm	2 σ	Meter γ cpm	- BKD γ cpm	2 σ
117C3D5						
117C4	75.1	45.7	20.0	182	39.4	35.3
117C4E2	75	45.6	20.0			
117D1	86.2	56.8	21.1	152	9.4	33.6
117D1N1	44.9	15.5	16.9			
117D1N2	65.7	36.3	19.1			
117D1W1	70.3	40.9	19.6			
117D1W2	76.2	46.8	20.1			
117D1D1						
117D1D2						
117D2D1						
117D2D2						
117D2D3						
117D2D4						
117D3	77.9	48.5	20.3	144	1.4	33.2
117D3D1						
117D3D2						
117D3D3						
117D3D4						
117D3D5						
117D4	80.7	51.3	20.6	180	37.4	35.2
117D4E2	86.3	56.9	21.1			
117E1	78.2	48.8	20.3	145	2.4	33.2
117E1S1	97	67.6	22.0			
117E1S2	45.6	16.2	17.0			
117E1D1						
117E1D2						
117E2	87.4	58	21.2	180	37.4	35.2
117E2D1						
117E2D2						
117E2D3						
117E2D4						
117E3	85.6	56.2	21.0	197	54.4	36.1
117E3D1						
117E3D2						
117E3D3						
117E3D4						
117E3D5						
117E4	81.7	52.3	20.7	219	76.4	37.3
117E4E2	72.1	42.7	19.7			
117F1	73.1	43.7	19.8	177	34.4	35.0
117F1S1	67.4	38	19.3			
117F1S2	70.1	40.7	19.6			
117F1W1	38.6	9.2	16.2			
117F1W2	56.1	26.7	18.1			
117F2	91.3	61.9	21.5	169	26.4	34.6
117F2S1						

MCHL-HP

SUBJECT: Decommissioning of Building 508, Forest Glen Section

	Meter	- BKD		Meter	- BKD	
Sample Number	**β cpm**	**β cpm**	**2 σ**	**γ cpm**	**γ cpm**	**2 σ**
117F2S2	63.8	34.4	18.9			
117F3	68.5	39.1	19.4	189	46.4	35.7
117F3S2	67.2	37.8	19.3			
117F4	68.8	39.4	19.4	275	132.4	40.1
117F4E2	97.4	68	22.1			
117F4S2	68.4	39	19.4			
117RANDOM1						
117RANDOM2						
117RANDOM3						
117RANDOM4						
117RANDOM5						
117RANDOM6						
117RANDOM7						
BLANK						
I125						
Average:	74.8	45.4		177.4	34.8	
Low:	38.6	9.2		141.0	(1.6)	
High:	98.5	69.1		275.0	132.4	
MDA:	1273			196		

Room:	508..Rm 117		
Date:	02/09/98		
Data Entered by:	SPC Stacey		
	Liquid Scintillation Counter		
Sample Number	**> 150 keV cpm**	**H-3 dpm**	**C-14 dpm**
BACKGROUND	13.4	11.81	16.18
117A1	11.2	14.85	17.99
117A1N1	7.4	13.68	14.28
117A1W1	9.4	12.64	18.19
117A1N2	8.4	2	16.76
117A1W2	11.4	11.59	16.56
117A2	8	9.58	15.36
117A2N1	8.6	22.87	17.48
117A2N2	7.8	10.82	15.14
117A3	8.4	13.17	15.62
117A3N1	11	5.34	20.54
117A3N2	10.4	7.82	15.93
117A4	9.84	13.15	17.07
117A4N1	9	13.1	15.92
117A4N2	10.6	9.97	17.36
117A4E1	7	13.38	11.18
117A4E2	10.6	8.74	17.72
117A4D1	10.4	7.11	15.05
117A4D2	11.8	11.98	11.78
117A4D3	9.8	6.37	11.46
117B1	6.8	5.09	15.04
117B1W1	10.4	5.97	15.36
117B1W2	7.8	30.34	19.05
117B2	9.6	5.66	17.19
117B3	9.09	12.98	16.49
117B4	10.4	2.06	19.34
117B4E2	7.8	7.54	22.4
117B4D1	10.19	9.17	14.41
117B4D2	8	5.87	16.38
117C1	6.8	6.24	15.45
117C1W1	9.8	25.9	30.61
117C1W2	9	8.97	15.12
117C1D1	10.4	4.09	13.53
117C2	6.78	11.65	16.89
117C2D1	8.98	7.25	14.53
117C2D2	9.2	9.98	14.15
117C2D3	11.2	61.92	20.45
117C2D4	9.4	10.5	17.54
117C3	9.8	9.45	15.44
117C3D1	7.38	6.26	15.77
117C3D2	9.2	8.32	18.72
117C3D3	8	18.69	10.8
117C3D4	8.4	5.08	20.33

	Liquid Scintillation Counter		
Sample Number	> 150 keV cpm	H-3 dpm	C-14 dpm
117C3D5	9	7.89	12.86
117C4	10	13.85	16.73
117C4E2	8.2	14.33	15.72
117D1	8.8	13.54	12.95
117D1N1	8	10.66	12.14
117D1N2	8	12.64	13.75
117D1W1	8.2	7.15	15.33
117D1W2	10.2	4.63	16.04
117D1D1	8	18.08	15.65
117D1D2	8.2	19.47	13.94
117D2D1	7	4.03	13.22
117D2D2	11.2	13.87	15.45
117D2D3	7.2	7.41	13.46
117D2D4	7.6	4.44	18.31
117D3	9.82	5.19	12.56
117D3D1	10.4	11.72	15.12
117D3D2	9	7.17	16.32
117D3D3	10.8	8.66	14.76
117D3D4	8.8	15.47	13.08
117D3D5	5.8	17.15	16.92
117D4	9	8.58	17.29
117D4E2	9.6	6.86	13.23
117E1	9.19	5.8	16.33
117E1S1	7.8	9.25	16.85
117E1S2	8.8	6.28	15.35
117E1D1	10	7.02	15.58
117E1D2	9	6.6	16.2
117E2	9.8	9.5	15.68
117E2D1	9	69.13	14.63
117E2D2	9.8	3.66	15.69
117E2D3	8	3.38	16.83
117E2D4	9.2	4.08	15.84
117E3	7.8	9.88	17.19
117E3D1	8.6	15.5	13.29
117E3D2	8	17.52	13.89
117E3D3	10.94	10.25	12.21
117E3D4	11.2	50.01	12.63
117E3D5	8.2	10.42	13.45
117E4	8.6	6.41	14.98
117E4E2	7.6	6.33	13.41
117F1	9.6	6.23	17.02
117F1S1	9.8	12.06	17.98
117F1S2	9	9.29	16.2
117F1W1	9.8	6.79	17.27
117F1W2	9.6	7.84	18.07
117F2	9.4	9.76	14.27
117F2S1	8.6	11.68	13.23

	Liquid Scintillation Counter		
Sample Number	**> 150 keV cpm**	**H-3 dpm**	**C-14 dpm**
117F2S2	9.4	4.2	17.46
117F3	8.4	8.24	15.24
117F3S2	10.2	3.77	17.18
117F4	9.89	8.37	14.54
117F4E2	8.8	8.53	14.22
117F4S2	9.8	14.3	17.73
117RANDOM1	9.96	6.92	15.36
117RANDOM2	8.8	9.56	16.23
117RANDOM3	9.4	9.85	14.99
117RANDOM4	10.6	8.42	17.62
117RANDOM5	9.2	12.93	15.61
117RANDOM6	9.2	15.94	13.91
117RANDOM7	9.6	7.16	16.67
BLANK	7.6	9.94	16.03
I125	7.1	512.62	66.7

Reswipe Analysis	**Liquid Scintillation Counter**		
Sample Number	**> 150 keV cpm**	**H-3 dpm**	**C-14 dpm**
BACKGROUND	9.6	9.46	15.46
117C2D3-1	9.2	9.21	13.72
117C2D3-2	10	2.5	14.67
117C2D3-3	8	6.31	14.65
117C2D3-4	8.4	4.77	15.76
117C2D3-5	7.86	3.88	15.77
117C2D3-6	7.28	5.37	16.05
117C2D3-7	7.6	4.21	13.35
117C2D3-8	7.4	6.1	10.25
117C2D3-9	5	9.18	13.75
117E2D1-1	9.2	5.17	17.23
117E2D1-2	10	6.03	13.54
117E2D1-3	8.8	13.54	10.03
117E2D1-4	12	4.93	16.75
117E2D1-5	9	9.25	13.51
117E2D1-6	8	3.67	17.26
117E2D1-7	11.2	8.41	12.54
117E2D1-8	0.8	356.58	24.34
117E2D1-9	7.8	3.71	12.72
117E2D1-8	8.38	13.26	12.03

Room: 508..Rm 117						
Date: 02/09/98						
	15 - 85	85 - 150	150 - 275	275 - 400	400 - 900	900 - 1400
Sample Number	**CPMA**	**CPMB**	**CPMC**	**CPMD**	**CPME**	**CPMF**
BACKGROUND	38	28	52	33	71	32
117A1	34	27	50	31	69	30
117A1N1	37	27	52	37	68	29
117A1W1	34	24	46	34	74	27
117A1N2	34	31	51	32	59	29
117A1W2	35	29	50	2.4	63	25
117A2	34	26	53	34	63	32
117A2N1	35	26	50	38	66	28
117A2N2	28	24	51	41	69	24
117A3	33	27	51	33	71	31
117A3N1	29	26	48	36	60	28
117A3N2	32	30	49	32	67	27
117A4	35	30	53	33	73	29
117A4N1	33	24	52	31	64	27
117A4N2	32	26	51	33	66	30
117A4E1	31	29	49	34	67	32
117A4E2	34	24	43	36	62	30
117A4D1	31	28	49	33	73	30
117A4D2	32	26	47	33	63	29
117A4D3	30	26	32	30	71	28
117B1	30	28	52	31	62	30
117B1W1	33	28	50	35	63	32
117B1W2	32	29	54	33	63	31
117B2	38	28	55	33	63	31
117B3	33	23	51	36	64	31
117B4	36	23	52	39	69	27
117B4E2	30	24	58	37	66	26
117B4D1	32	23	52	34	72	26
117B4D2	31	26	54	31	65	28
117C1	28	24	51	38	70	30
117C1W1	31	24	55	36	68	24
117C1W2	32	28	51	35	62	31
117C1D1	31	28	50	35	68	28
117C2	34	31	54	31	66	34
117C2D1	30	32	53	35	65	31
117C2D2	30	27	49	34	66	31
117C2D3	34	27	50	30	66	29
117C2D4	29	22	53	35	66	29
117C3	33	27	51	31	63	29
117C3D1	34	29	47	30	66	30
117C3D2	34	27	44	32	71	29
117C3D3	36	30	51	36	77	27
117C3D4	34	30	45	28	59	28

	15 - 85	85 - 150	150 - 275	275 - 400	400 - 900	900 - 1400
Sample Number	**CPMA**	**CPMB**	**CPMC**	**CPMD**	**CPME**	**CPMF**
117C3D5	35	28	45	37	58	31
117C4	28	26	49	33	67	28
117C4E2	32	26	50	35	70	28
117D1	26	24	52	38	66	32
117D1N1	28	27	54	33	65	28
117D1N2	36	24	47	34	68	31
117D1W1	31	25	43	37	69	27
117D1W2	32	27	53	36	72	29
117D1D1	31	26	50	34	72	31
117D1D2	35	28	49	40	65	24
117D2D1	36	29	51	35	69	26
117D2D2	32	24	48	39	68	26
117D2D3	31	26	52	34	60	30
117D2D4	35	26	52	35	65	28
117D3	33	26	48	33	65	31
117D3D1	32	29	43	35	70	27
117D3D2	32	23	49	31	76	32
117D3D3	33	28	55	27	64	34
117D3D4	36	26	44	32	65	31
117D3D5	33	25	54	35	70	29
117D4	34	29	47	33	66	24
117D4E2	32	29	48	34	68	26
117E1	33	29	50	34	71	29
117E1S1	34	27	49	33	69	26
117E1S2	31	24	51	37	75	35
117E1D1	30	28	57	31	66	24
117E1D2	37	24	47	33	71	25
117E2	34	28	52	31	69	29
117E2D1	38	26	53	33	67	26
117E2D2	36	28	50	34	75	27
117E2D3	36	23	54	30	64	30
117E2D4	34	24	53	31	69	31
117E3	31	20	54	36	72	33
117E3D1	34	25	48	37	68	26
117E3D2	32	28	50	33	64	30
117E3D3	31	23	50	39	60	25
117E3D4	31	26	56	33	74	29
117E3D5	33	24	49	36	65	29
117E4	34	22	50	36	68	31
117E4E2	39	28	49	40	68	28
117F1	35	24	55	38	65	25
117F1S1	31	30	52	37	71	31
117F1S2	34	30	50	36	63	32
117F1W1	35	29	45	35	63	29
117F1W2	33	29	49	36	73	30
117F2	33	28	49	33	62	32
117F2S1	37	28	47	34	72	28

	15 - 85	85 - 150	150 - 275	275 - 400	400 - 900	900 - 1400
Sample Number	**CPMA**	**CPMB**	**CPMC**	**CPMD**	**CPME**	**CPMF**
117F2S2	31	25	47	34	69	31
117F3	33	27	53	32	68	30
117F3S2	36	24	59	31	72	28
117F4	35	28	56	38	61	32
117F4E2	34	26	56	40	69	30
117F4S2	38	25	53	37	67	31
117RANDOM1	37	24	59	33	67	29
117RANDOM2	27	30	54	34	70	28
117RANDOM3	32	29	56	38	77	28
117RANDOM4	30	26	50	39	68	31
117RANDOM5	32	21	47	39	67	33
117RANDOM6	29	27	37	36	69	26
117RANDOM7	36	29	37	47	74	24
I125	2179	1709	3390	18701	108	31
Average:	32.91	26.52	50.25	34.24	67.33	28.93
Low - Bkd:	(12)	(8)	(20)	(31)	(13)	(8)
High - Bkd:	1	4	7	14	6	3
MDA:	36	18	47	70	113	79

Historical Review of Affected Areas					
Room	Auth.	Cleared	Isotopes	mCi	Comments
124	644	8/93	H-3	10	
			C-14	5	
			P-32	20	
			S-35	30	
			Cr-51	5	
			I-125	10	
			Cs-137	0.03	Sealed Source
			Ra-226	0.01	Sealed Source
The only long lived radionuclides that are likely to be in this room at the time of the survey are H-3, C-14, S-35, Ra-226					

MCHL-HP
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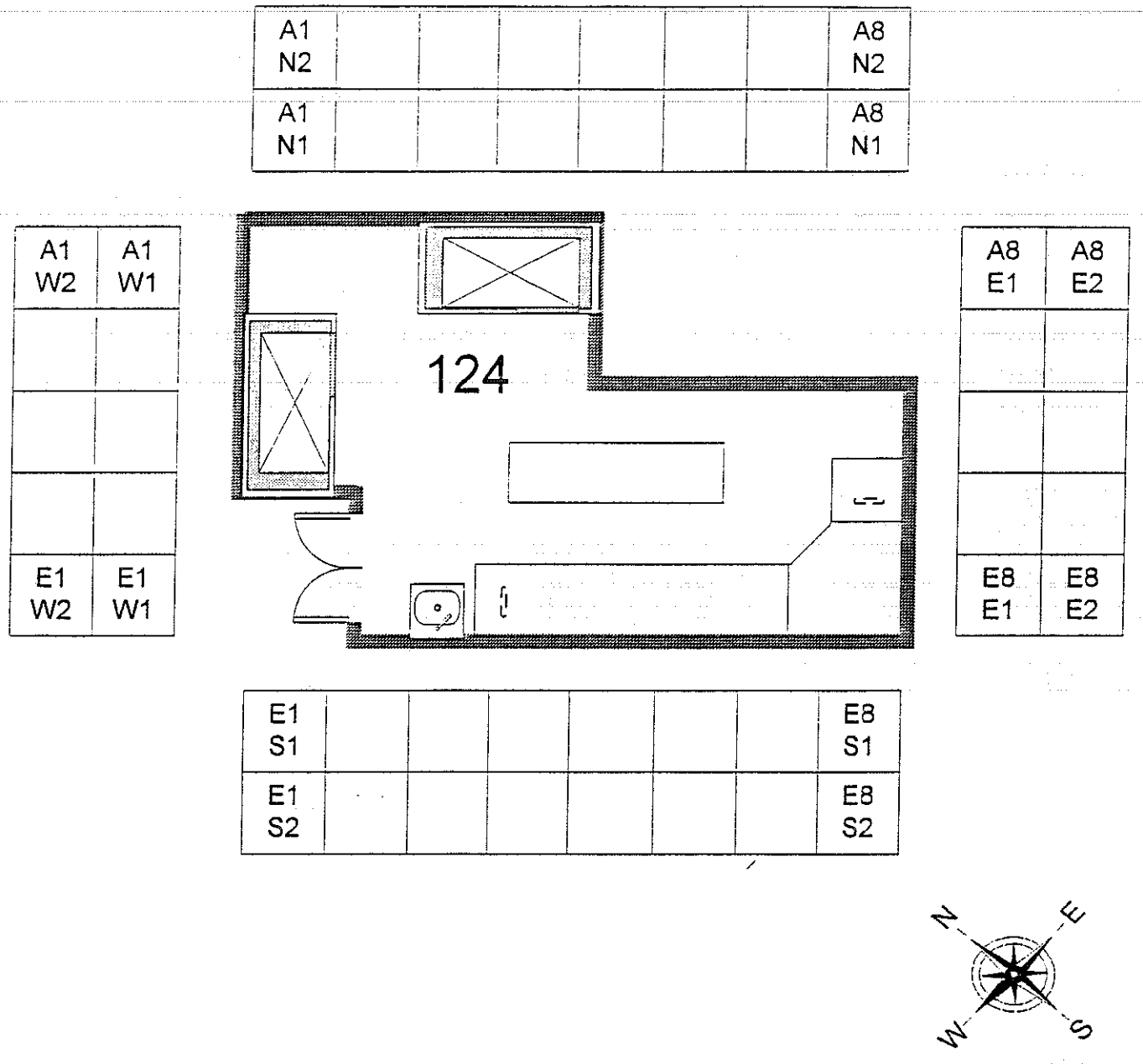
GRAPHICAL ILLUSTRATION



Room 124, Building 508 Forest Glen Section - Affected Area

Health Physics Office
Walter Reed Army Medical Center
Washington, DC 20307

Date: 6 March 1998
Drawn: ARM
Approved: WBJ
Scale: NTS
Plate: N/A

Room:	508...124					
Date:	02/09/98					
	Meter	- BKD		Meter	- BKD	
Sample Number	β cpm	β cpm	2 σ	γ cpm	γ cpm	2 σ
BACKGROUND	48.00	0		201	0	
124-A1	38.60	-9.4	18.2	222	21	40.3
124A1N1	52.30	4.3	19.6			
124A1N2	34.40	-13.6	17.8			
124A1W1	34.80	-13.2	17.8			
124A1W2	41.50	-6.5	18.5			
124A2	37.40	-10.6	18.1	236	35	41.0
124A2N1	59.80	11.8	20.4			
124A2N2	43.40	-4.6	18.7			
124A3	27.70	-20.3	17.1	253	52	41.8
124A3N1	48.90	0.9	19.3			
124A3N2	34.50	-13.5	17.8			
124A4	5.80	-42.2	14.4	210	9	39.7
124A4N1	46.90	-1.1	19.1			
124A4N2	24.50	-23.5	16.7			
124A5	29.80	-18.2	17.3	260	59	42.1
124A5N1	40.90	-7.1	18.5			
124A5N2	34.60	-13.4	17.8			
124A5E1	48.60	0.6	19.3			
124A5E2	50.00	2	19.4			
124B1	37.00	-11	18.1	166	-35	37.5
124B1W1	52.80	4.8	19.7			
124B2	18.60	-29.4	16.0	219	18	40.2
124B3	48.60	0.6	19.3	183	-18	38.4
124B4	51.90	3.9	19.6	176	-25	38.1
124B5	68.10	20.1	21.1	162	-39	37.3
124B5E1	46.40	-1.6	19.0			
124B5E2	45.90	-2.1	19.0			
124B6	53.10	5.1	19.7	223	22	40.4
124B6N1	52.10	4.1	19.6			
124B6N2	37.20	-10.8	18.1			
124B7	30.00	-18	17.3	234	33	40.9
124B7N1	41.10	-6.9	18.5			
124B7N2	38.80	-9.2	18.3			
124B8	41.50	-6.5	18.5	211	10	39.8
124B8N1	44.70	-3.3	18.9			
124B8N2	47.20	-0.8	19.1			
124B8E1	41.70	-6.3	18.6			
124B8E2	33.80	-14.2	17.7			
124C1	34.00	-14	17.7	150	-51	36.7
124C1W1	23.90	-24.1	16.6			
124C1S1	33.40	-14.6	17.7			
124C1S2	22.00	-26	16.4			
124C2	44.60	-3.4	18.9	221	20	40.3
124C3	30.80	-17.2	17.4	182	-19	38.4
124C4	34.00	-14	17.7	195	-6	39.0
124C5	43.70	-4.3	18.8	204	3	39.4
124C6	29.30	-18.7	17.2	204	3	39.4

	Meter	- BKD		Meter	- BKD	
Sample Number	β cpm	β cpm	2 σ	γ cpm	γ cpm	2 σ
124C7	25.10	-22.9	16.8	198	-3	39.2
124C8	27.20	-20.8	17.0	217	16	40.1
124C8E1	50.00	2	19.4			
124C8E2	52.40	4.4	19.6			
124D2	31.00	-17	17.4	203	2	39.4
124D2W1	34.70	-13.3	17.8			
124D2W2	68.30	20.3	21.1			
124D3	28.60	-19.4	17.2	255	54	41.9
124D4	41.70	-6.3	18.6	269	68	42.5
124D5	32.30	-15.7	17.6	203	2	39.4
124D6	82.10	34.1	22.4	190	-11	38.8
124D7	42.80	-5.2	18.7	191	-10	38.8
124D8	36.10	-11.9	18.0	154	-47	36.9
124D8E2	53.00	5	19.7			
124D8D1						
124D8D2						
124D8D3						
124D8D4						
124D8D5						
124D8D6						
124D8D7						
124D8D8						
124E2	62.50	14.5	20.6	189	-12	38.7
124E2S1	52.30	4.3	19.6			
124E2S2	44.00	-4	18.8			
124E2W1	33.30	-14.7	17.7			
124E2W2	42.10	-5.9	18.6			
124E3	37.60	-10.4	18.1	232	31	40.8
124E3S1	49.90	1.9	19.4			
124E3S2	42.90	-5.1	18.7			
124E4	87.50	39.5	22.8	234	33	40.9
124E4S1	42.40	-5.6	18.6			
124E4S2	52.00	4	19.6			
124E5	37.80	-10.2	18.2	197	-4	39.1
124E5S1	58.90	10.9	20.3			
124E5S2	43.50	-4.5	18.7			
124E6	21.30	-26.7	16.3	197	-4	39.1
124E6S1	58.00	10	20.2			
124E6S2	38.80	-9.2	18.3			
124E7	23.20	-24.8	16.5	206	5	39.5
124E7S2	33.00	-15	17.6			
124E7D1						
124E8	46.00	-2	19.0	212	11	39.8
124E8E2	55.80	7.8	20.0			
124E8S2	71.00	23	21.4			
124E8D1						
124R1						
124R2						
124R3						
124R4						
124R5						
124R6						
124R12						

	Meter	- BKD		Meter	- BKD	
Sample Number	β cpm	β cpm	2 σ	γ cpm	γ cpm	2 σ
124R11						
124R10						
124R9						
124R8						
124R7						
Average:	42.2	(5.8)		206.9	5.9	
Low:	5.8	(42.2)		150.0	(51.0)	
High:	87.5	39.5		269.0	68.0	
MDA:	1627			233		

MCHL-HP

SUBJECT: Decommissioning of Building 508, Forest Glen Section

Room:	508...124			
Date:	02/09/98			
Data Entered By:	SPC CLAUDY		SPC OPAWALE	
	Liquid Scintillation Counter			
Sample Number	150 keV cpm	H-3 dpm	C-14 dpm	
I-125 Cal Source	629.11	90.38	6.27	
BLANK	5.09	17.53	8.55	
124-A1	460.36	58.35	1.63	tSIE 449.29
124A1N1	16.9	15.93	9.6	
124A1N2	14.75	16.48	11.6	
124A1W1	15.75	17.36	8.6	
124A1W2	7.58	17.21	8.8	
124A2	2.59	20.62	9.8	
124A2N1	14.51	16.76	8.8	
124A2N2	18.77	20.21	9.6	
124A3	14.02	12.69	8.6	
124A3N1	11.35	18.56	7.6	
124A3N2	8.24	18.51	8.6	
124A4	14.44	19.38	10.47	
124A4N1	8.41	17	10.6	
124A4N2	16.1	15.82	10.6	
124A5	11.18	14.91	9	
124A5N1	9.47	18.3	9.4	
124A5N2	12.93	16.27	11	
124A5E1	11.17	20.13	8.8	
124A5E2	14.28	17.9	8.6	
124B1	9.06	16.72	8.68	
124B1W1	10.87	18.09	10.2	
124B2	17.06	12.91	10	
124B3	7.62	19.2	7.8	
124B4	13.95	17.12	9.2	
124B5	8.62	15.66	11.2	
124B5E1	14.3	18.26	9.4	
124B5E2	5.84	16.58	10.8	
124B6	14.78	15.13	7.2	
124B6N1	41.34	11.7	11	
124B6N2	8.37	16.99	11	
124B7	9.29	16.14	11	
124B7N1	19.54	15.56	8	
124B7N2	12.76	14.96	11	
124B8	9.01	18.97	9.4	
124B8N1	11.69	18.14	8.8	
124B8N2	6.86	17.08	10	
124B8E1	12.71	13.37	9.6	
124B8E2	14.36	17.11	8.6	
124C1	7.29	19.11	9.65	
124C1W1	14.46	16.23	8.2	
124C1S1	17.29	16.89	9.6	
124C1S2	9.99	17.24	10.6	
124C2	14.35	15.2	10.2	
124C3	8.81	14.16	6.6	
124C4	10.32	15.8	8.4	
124C5	13.99	17.76	12.6	
124C6	8.6	17.79	9.6	

	Liquid Scintillation Counter		
Sample Number	150 keV cpm	H-3 dpm	C-14 dpm
124C7	10.52	17.17	8.2
124C8	17.48	16.95	9
124C8E1	14.85	15.84	10.19
124C8E2	10.3	20.88	7.82
124D2	11.96	14.88	9.4
124D2W1	3.73	22.39	8.2
124D2W2	9.02	12.81	9.32
124D3	28.61	22.94	9.2
124D4	11.07	17.27	9
124D5	11.34	17.1	11
124D6	20.98	15.69	8.6
124D7	9.26	17.32	8
124D8	8.73	19.78	10.4
124D8E2	12.38	16.83	10.6
124D8D1	7.05	15.06	9.36
124D8D2	12.25	14.59	8.53
124D8D3	7.93	19.53	6.82
124D8D4	11.23	15.68	8.6
124D8D5	9.82	19.59	11.2
124D8D6	3.89	17.71	8.8
124D8D7	13.03	16.03	8.6
124D8D8	18.94	17.02	8.4
124E2	9.52	13.96	10.2
124E2S1	9.67	16.68	9.7
124E2S2	12.03	16.33	7.2
124E2W1	11.47	18.61	9.2
124E2W2	2.86	17.32	9.2
124E3	14.11	12.49	10.6
124E3S1	7.74	19.57	8.8
124E3S2	13.91	16.82	11.6
124E4	12.05	14.95	8
124E4S1	12.9	15.52	8.2
124E4S2	8.27	14.03	7.2
124E5	11.5	16.1	9.6
124E5S1	11.39	16.13	9.6
124E5S2	11.44	12.86	9
124E6	10.89	14.57	10
124E6S1	12.25	18.02	9.51
124E6S2	15.44	15.23	10
124E7	15.7	14.83	8.4
124E7S2	8.69	13.6	11
124E7D1	13.15	15.24	10.4
124E8	7.07	21.45	8.4
124E8E2	8.51	16.37	10.8
124E8S2	19.55	20.04	6.4
124E8D1	17.92	16.01	8.2
124R1	10.08	15.38	9
124R2	11.63	17.53	10.6
124R3	11.98	16.37	10.6
124R4	12.06	13.85	9.87
124R5	15.34	13.77	10.4
124R6	12.03	14.99	12.57
124R12	3.61	17.63	9.4

	Liquid Scintillation Counter		
Sample Number	150 keV cpm	H-3 dpm	C-14 dpm
124R11	14.05	16.38	8.8
124R10	13.59	16.63	12.4
124R9	9.69	17.59	8.58
124R8	12.9	16.14	7.8
124R7	15.91	13.59	9.8

Reswipe Analysis	Liquid Scintillation Counter		
Sample Number	150 keV cpm	H-3 dpm	C-14 dpm
BACKGROUND	9.6	9.46	15.46
124A1-1	9	5.69	13.08
124A1-2	9.6	5.27	14.67
124A1-3	9	8.82	15.72
124A1-4	7.4	11.46	14.57
124A1-5	6.4	5.91	18.2
124A1-6	6.67	1.97	16.56
124A1-7	8	10.63	15.95
124A1-8	8.08	9.6	15.87
124A1-9	7.8	3.96	18.41

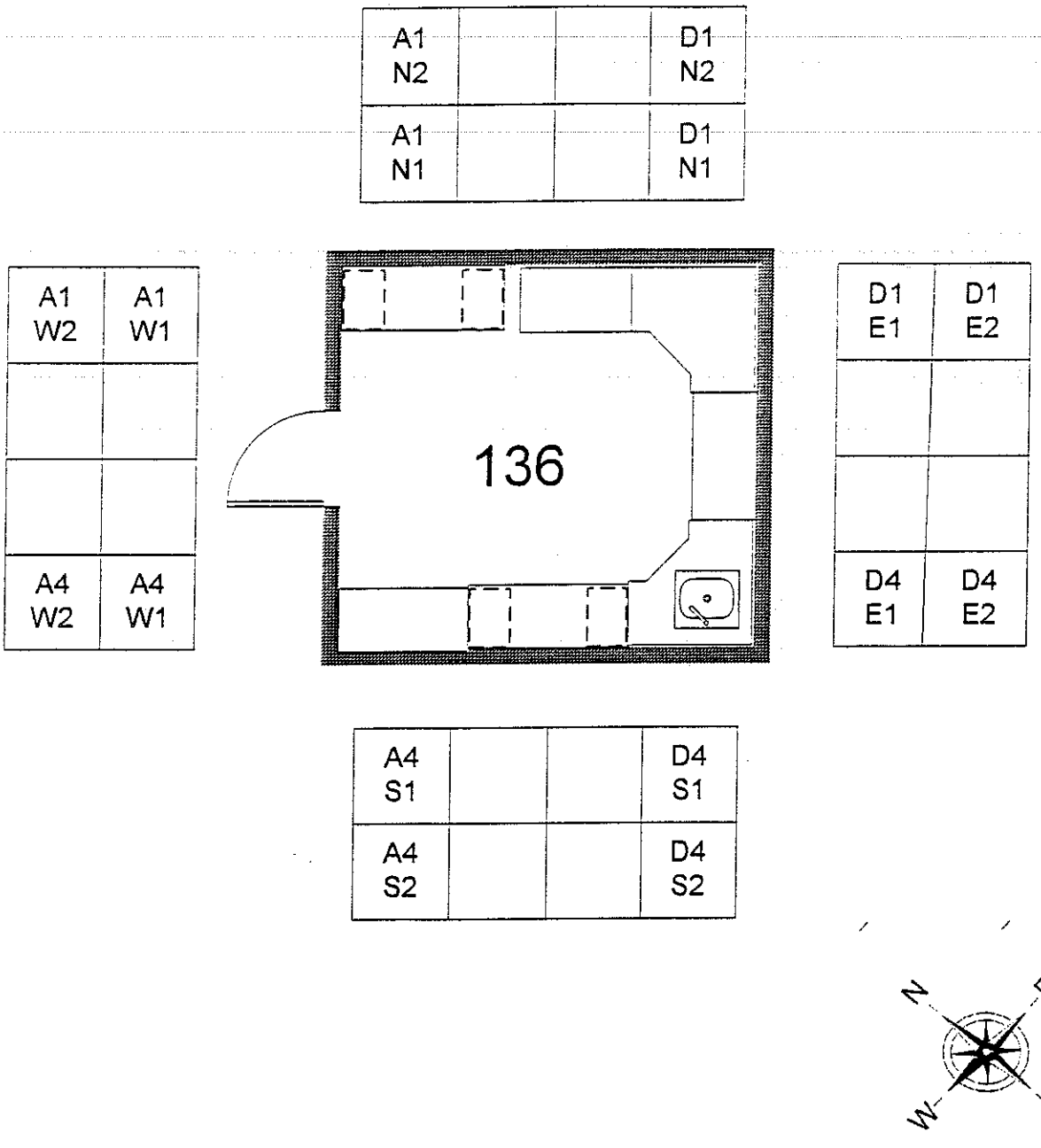
Room:	508...124					
Date:	02/09/98					
		15 - 85	85 - 150	150 - 275	275 - 400	400 - 900	900 - 1400
	Sample Number	CPMA	CPMB	CPMC	CPMD	CPME	CPMF
	BACKGROUND	30	29	57	42	70	33
	I-125	2067	1506	3263	16114	103	31
	124-A1	32	22	50	26	65	26
	124A1N1	33	22	54	34	66	25
	124A1N2	34	25	56	36	65	26
	124A1W1	37	23	51	37	63	29
	124A1W2	31	25	45	39	71	30
	124A2	29	25	57	36	69	26
	124A2N1	35	26	46	37	66	29
	124A2N2	35	25	53	37	56	31
	124A3	31	34	41	29	67	29
	124A3N1	34	26	55	35	64	27
	124A3N2	35	26	55	33	71	34
	124A4	31	27	54	33	66	26
	124A4N1	26	25	49	32	66	32
	124A4N2	31	23	46	37	63	29
	124A5	33	26	46	35	62	31
	124A5N1	32	27	50	35	67	33
	124A5N2	27	26	53	34	66	32
	124A5E1	35	25	46	36	67	33
	124A5E2	32	32	46	35	64	30
	124B1	30	25	52	30	63	26
	124B1W1	33	31	45	33	66	25
	124B2	29	26	46	37	71	27
	124B3	29	26	50	35	77	33
	124B4	30	31	50	32	67	34
	124B5	26	26	55	32	60	26
	124B5E1	31	29	54	34	66	26
	124B5E2	33	29	54	36	75	30
	124B6	31	24	46	32	71	26
	124B6N1	33	25	51	32	65	31
	124B6N2	33	29	46	34	66	26
	124B7	26	26	50	35	66	27
	124B7N1	31	24	54	37	70	25
	124B7N2	31	23	46	36	60	30
	124B8	32	25	52	35	69	26
	124B8N1	34	27	54	34	64	26
	124B8N2	34	26	51	35	61	26
	124B8E1	29	24	56	33	62	31
	124B8E2	36	24	50	37	72	26
	124C1	34	26	50	36	63	36
	124C1W1	34	29	43	34	66	26
	124C1S1	29	29	49	36	70	25
	124C1S2	30	26	51	34	66	27
	124C2	39	25	52	36	69	26
	124C3	27	26	56	30	72	31
	124C4	34	31	55	36	66	29
	124C5	31	26	51	36	73	27
	124C6	33	29	53	31	73	31

	15 - 85	85 - 150	150 - 275	275 - 400	400 - 900	900 - 1400
Sample Number	CPMA	CPMB	CPMC	CPMD	CPME	CPMF
124C7	27	29	51	35	65	26
124C8	32	26	50	36	69	25
124C8E1	35	25	50	32	59	30
124C8E2	26	26	52	35	67	27
124D2	32	24	53	32	71	27
124D2W1	27	24	54	39	66	27
124D2W2	33	24	50	37	69	35
124D3	32	27	47	35	61	26
124D4	36	32	51	36	62	32
124D5	34	30	60	39	74	27
124D6	35	26	49	33	70	31
124D7	36	26	49	32	73	32
124D8	34	26	53	40	63	32
124D8E2	29	26	51	35	65	31
124D8D1	36	30	51	33	73	26
124D8D2	30	29	54	36	66	26
124D8D3	29	26	50	35	66	27
124D8D4	34	26	46	36	66	30
124D8D5	32	26	54	32	66	32
124D8D6	32	26	46	37	60	31
124D8D7	33	21	57	35	70	31
124D8D8	29	25	54	35	66	26
124E2	35	27	52	36	66	32
124E2S1	33	24	46	35	65	30
124E2S2	33	26	54	43	65	29
124E2W1	29	25	47	35	72	31
124E2W2	34	30	51	36	64	30
124E3	31	24	56	39	66	31
124E3S1	29	26	51	36	66	32
124E3S2	32	31	56	36	69	31
124E4	34	29	46	36	64	25
124E4S1	34	26	54	41	68	33
124E4S2	30	24	51	36	66	32
124E5	33	23	52	40	73	29
124E5S1	33	25	56	36	75	30
124E5S2	33	29	46	36	69	35
124E6	31	27	50	33	77	29
124E6S1	30	29	54	35	69	31
124E6S2	34	24	50	33	65	29
124E7	30	29	53	33	65	30
124E7S2	31	28	53	33	73	26
124E7D1	31	30	53	31	70	30
124E8	32	23	55	36	69	30
124E8E2	32	27	55	37	66	27
124E8S2	31	26	56	34	64	31
124E8D1	35	23	57	40	72	26
124R1	32	33	54	32	71	34
124R2	34	29	52	32	66	31
124R3	34	29	55	41	62	32
124R4	36	32	52	39	63	27
124R5	33	27	55	41	69	29
124R6	30	29	59	36	70	31
124R12	33	34	59	32	74	34

	15 - 85	85 - 150	150 - 275	275 - 400	400 - 900	900 - 1400
Sample Number	**CPMA**	**CPMB**	**CPMC**	**CPMD**	**CPME**	**CPMF**
124R11	36	26	51	36	67	29
124R10	37	28	53	40	74	32
124R9	29	27	54	33	70	31
124R8	37	26	56	34	71	29
124R7	31	26	53	41	70	30
Average:	32.10	26.65	51.56	35.16	67.29	29.22
Low - Bkd:	(4)	(8)	(16)	(16)	(14)	(8)
High - Bkd:	9	5	3	1	7	3
MDA:	32	19	49	79	112	80

Historical Review of Affected Areas					
Room	Auth.	Cleared	Isotopes	mCi	Comments
136	699	10/95	H-3	20	
			C-14	0.1	
			P-32	10	
			P-33	10	
			S-35	10	
			Cr-51	5	
			I-125	15	
The only long lived radionuclides that are likely to be in this room at the time of the survey are H-3, C-14					

GRAPHICAL ILLUSTRATION



Room 136, Building 508 Forest Glen Section - Affected Area

Health Physics Office
Walter Reed Army Medical Center
Washington, DC 20307

Date: 6 March 1998
Drawn: ARM
Approved: WBJ
Scale: NTS
Plate: N/A

MCHL-HP

SUBJECT: Decommissioning of Building 508, Forest Glen Section

Room:	136					
Date:	20/02/1998					
	Meter	**- BKD**		**Meter**	**- BKD**	
Sample Number	**β cpm**	**β cpm**	**2 σ**	**γ cpm**	**γ cpm**	**2 σ**
BACKGROUND	39.9	0		147.4	0	
SPIKE	24.9	-15		139	-8.4	
A1	35.9	-4	17.1			
A1W1	37.9	-2	17.3			
A1W2	53.8	13.9	19.0			
A1N1	46.9	7	18.3			
A1N2	35.9	-4	17.1	127	-20.4	32.5
A2	33.9	-6	16.8			
A2W1	33.9	-6	16.8			
A2W2	34.9	-5	17.0	158	10.6	34.3
A3	36.9	-3	17.2			
A3W1	30.9	-9	16.5			
A3W2	48.1	8.2	18.4			
A4S2	33.9	-6	16.8	177	29.6	35.3
A4TOP	31.9	-8	16.6			
A4W2	34.9	-5	17.0	156	8.6	34.1
B1	41.9	2	17.7			
B1N1	25.9	-14	15.9			
B1N2	42.9	3	17.8	143	-4.4	33.4
B2	34.9	-5	17.0	144	-3.4	33.5
B3	34.9	-5	17.0	149	1.6	33.7
B4	43.9	4	17.9	172	24.6	35.0
B4TOP	34.9	-5	17.0			
B4S1	47.8	7.9	18.4			
B4S2	49.8	9.9	18.6	169	21.6	34.9
C1	48.8	8.9	18.5	171	23.6	35.0
C1TOP	46.9	7	18.3			
C1N2	27.9	-12	16.1	152	4.6	33.9
C2	32.9	-7	16.7	158	10.6	34.3
C3	34.9	-5	17.0			
C4	52.8	12.9	18.9	188	40.6	35.9
C4TOP	58.8	18.9	19.5			
C4S2	48.8	8.9	18.5	217	69.6	37.4
D1TOP	41.9	2	17.7	189	41.6	35.9
D1D2	48.8	8.9	18.5			
D1E1	32.9	-7	16.7			
D1E2	51.8	11.9	18.8	170	22.6	34.9
D2TOP	46.9	7	18.3			
D2E2	49.8	9.9	18.6	233	85.6	38.2
D3	42.9	3	17.8			
D3TOP	48.8	8.9	18.5			
D3E2						
D4TOP						

	Meter	- BKD		Meter	- BKD	
Sample Number	**β cpm**	**β cpm**	**2 σ**	**γ cpm**	**γ cpm**	**2 σ**
D4E2						
D4S2						
D4D1						
A4D2						
A4D3						
A4D4						
A4D5						
A4D6						
A4D7						
A4D8						
B1D1						
B1D2						
B4D1						
B4D2						
C1D1						
C1D2						
C4D1						
C4D2						
D1D1						
D2D1						
D2D2						
D2D3						
D2D4						
D2D5						
D2D6						
D2D7						
D2D8						
D3D1						
D3D2						
D3D3						
SINK						
Average:	41.1	1.2		169.0	21.6	
Low:	25.9	(14.0)		127.0	(20.4)	
High:	58.8	18.9		233.0	85.6	
MDA:	1484			200		

MCHL-HP

SUBJECT: Decommissioning of Building 508, Forest Glen Section

Room:	136		
Date:	20/02/1998		
Data Entered By:	SPC GUY CLAUDY		
	Liquid Scintillation Counter		
Sample Number	**> 150 keV cpm**	**H-3 dpm**	**C-14 dpm**
BACKGROUND	10.49	24.75	14.85
SPIKE	11.5	71751.7	132657
A1	10.4	8.33	14.46
A1W1	7.2	9.24	16.1
A1W2	10.46	3.58	15.6
A1N1	9.59	8.67	16.79
A1N2	7.8	8.61	15.21
A2	7.4	6.37	15.29
A2W1	9	7.45	15.25
A2W2	7.84	4.53	16.07
A3	7	9.68	14.89
A3W1	7.6	14.13	15.51
A3W2	8.4	9.34	16.07
A4S2	7.4	10.77	12.11
A4TOP	7.4	1.27	20.14
A4W2	7.4	12.77	13.53
B1	10.8	6.37	15.33
B1N1	11.4	6.26	19.74
B1N2	7.4	11.42	17.29
B2	7.89	7.45	17.36
B3	8.4	11.17	17.74
B4	9.6	13.59	14.6
B4TOP	9.8	8.2	15.99
B4S1	9.6	12.56	14.64
B4S2	9	13.26	10.53
C1	9.4	2.66	16.43
C1TOP	9.8	8.29	18.72
C1N2	9.64	5.94	16.17
C2	8.8	11.25	14.22
C3	9.2	9 83	13 91
C4	7.73	11.37	17.51
C4TOP	10	10.86	14.87
C4S2	8.48	8.71	16.33
D1TOP	10	9.19	14.62
D1D2	9.87	6.02	15.26
D1E1	10.57	8.67	16.71
D1E2	9.6	13.39	16.09
D2TOP	8	7.74	14.84
D2E2	8.6	12.75	16.99
D3	10.4	9.89	16.41
D3TOP	9.8	13.69	12.89
D3E2	12.6	9.53	15.13
D4TOP	10.8	7.13	18.27

	Liquid Scintillation Counter		
Sample Number	**> 150 keV cpm**	**H-3 dpm**	**C-14 dpm**
D4E2	7.4	10.9	18.48
D4S2	10	12.84	14.78
D4D1	7.6	6.05	13.19
A4D2	8.8	9.07	16.34
A4D3	8.2	19.53	13.47
A4D4	10.4	8.9	15.21
A4D5	9.26	2.9	15.58
A4D6	10	6.96	14.47
A4D7	7.6	8.45	13.53
A4D8	10.06	11.49	13.5
B1D1	7.6	8.74	12.29
B1D2	9.6	5.76	17.59
B4D1	8.8	7.61	15.25
B4D2	11	8.93	16.16
C1D1	10.4	9.37	17.39
C1D2	11.4	16.83	16.8
C4D1	11.8	15.4	13.64
C4D2	10.2	11.31	17.7
D1D1	10.6	8.95	20.08
D2D1	9.4	3.25	21.3
D2D2	8.8	13.59	18.07
D2D3	9.6	11.74	18.78
D2D4	9.2	12.36	15.31
D2D5	8.6	6.82	16.5
D2D6	9.05	7.96	16.34
D2D7	7.2	10.4	16
D2D8	7.79	9.39	13.89
D3D1	10.6	11.4	16.9
D3D2	9.21	8.03	13.73
D3D3	10.4	8.17	15.42
SINK	10.8	11.22	18.71

MCHL-HP

SUBJECT: Decommissioning of Building 508, Forest Glen Section

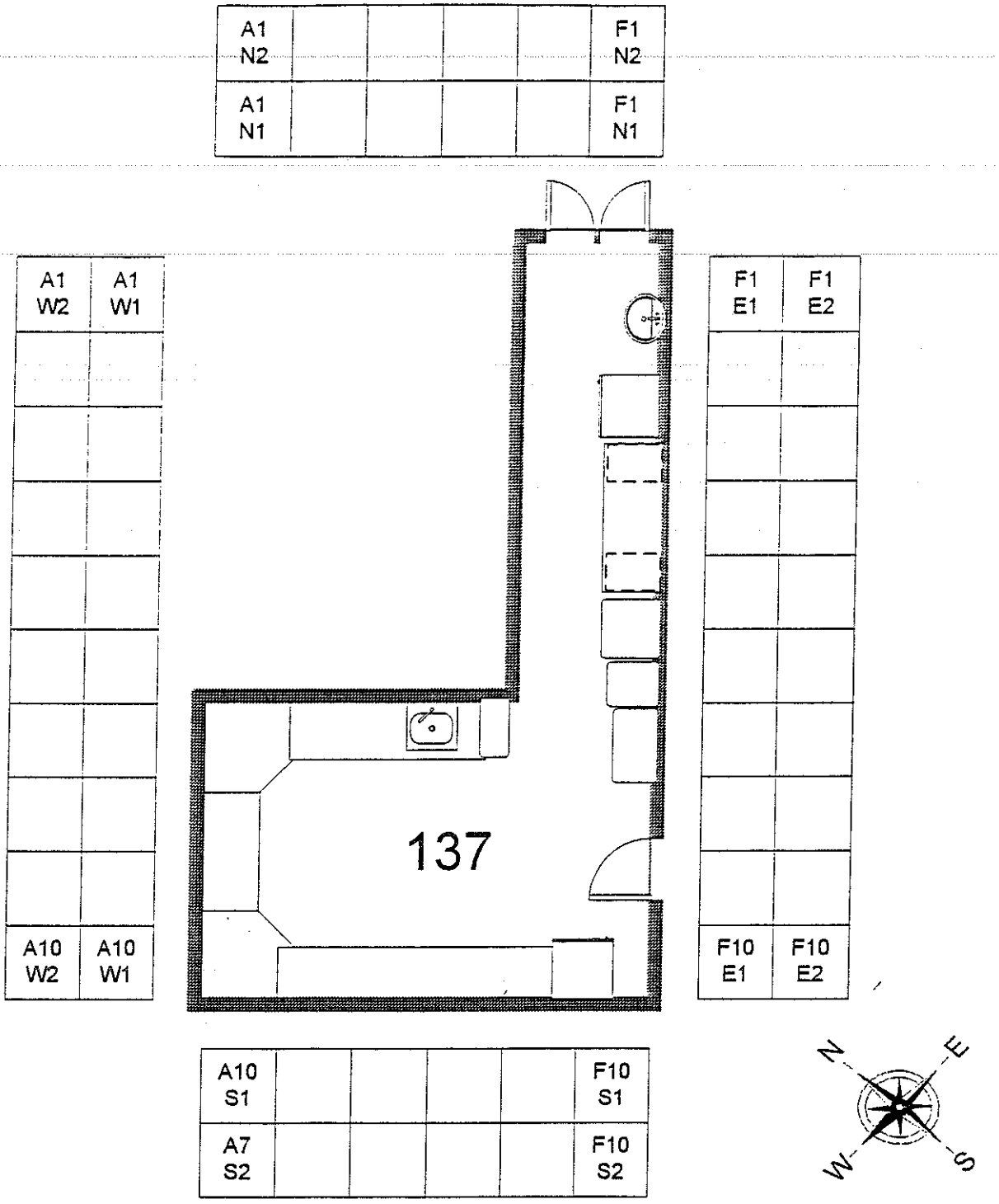
Room:	136					
Date:	20/02/1998					
	15 - 85	85 - 150	150 - 275	275 - 400	400 - 900	900 - 1400
Sample Number	**CPMA**	**CPMB**	**CPMC**	**CPMD**	**CPME**	**CPMF**
BACKGROUND	35	32	55	36	66	31
Cr-51	346	451	1107	2862	66	27
A1	28	35	61	40	68	32
A1W1	36	29	53	39	68	29
A1W2	28	30	53	38	69	28
A1N1	37	30	49	34	64	31
A1N2	28	26	52	37	72	26
A2	33	29	50	40	67	33
A2W1	35	27	50	39	67	31
A2W2	36	25	52	38	72	25
A3	31	31	60	37	67	30
A3W1	31	27	55	43	62	30
A3W2	38	34	48	37	68	33
A4S2	35	29	50	37	66	29
A4TOP	34	31	48	36	63	34
A4W2	33	29	58	39	74	29
B1	37	32	53	36	75	30
B1N1	37	27	60	38	64	28
B1N2	32	29	55	37	64	26
B2	33	30	54	34	67	29
B3	28	27	50	33	65	29
B4	33	30	58	35	69	27
B4TOP	33	27	55	35	70	25
B4S1	32	28	54	36	66	32
B4S2	30	24	51	39	68	31
C1	36	30	50	34	70	30
C1TOP	32	31	58	34	69	28
C1N2	34	28	55	39	65	27
C2	31	27	50	28	69	27
C3	36	29	56	31	67	26
C4	31	27	49	34	68	28
C4TOP	33	30	49	41	65	29
C4S2	34	28	58	33	71	34
D1TOP	36	31	46	34	65	32
D1D2	29	28	55	36	74	26
D1E1	37	27	55	36	70	30
D1E2	38	29	55	34	64	29
D2TOP	28	29	50	32	62	29
D2E2	32	30	52	35	61	27
D3	35	25	51	33	66	31
D3TOP	32	26	49	34	66	29
D3E2	31	31	49	40	66	32
D4TOP	33	24	51	34	75	29

	15 - 85	85 - 150	150 - 275	275 - 400	400 - 900	900 - 1400
Sample Number	**CPMA**	**CPMB**	**CPMC**	**CPMD**	**CPME**	**CPMF**
D4E2	34	30	51	37	70	27
D4S2	33	25	49	33	69	26
D4D1	32	30	54	35	67	29
A4D2	34	25	55	34	69	32
A4D3	35	27	47	34	68	29
A4D4	33	24	55	35	66	29
A4D5	38	26	51	36	64	34
A4D6	28	29	52	38	59	36
A4D7	30	30	43	35	73	31
A4D8	29	22	53	39	68	31
B1D1	40	25	54	34	63	28
B1D2	29	25	47	37	64	30
B4D1	33	32	49	34	68	29
B4D2	32	26	48	35	69	30
C1D1	27	32	49	39	71	29
C1D2	32	29	48	35	62	28
C4D1	34	28	52	38	65	29
C4D2	31	33	49	39	59	30
D1D1	30	25	56	31	71	32
D2D1	36	27	49	35	69	29
D2D2	33	28	54	40	61	31
D2D3	32	25	54	34	65	30
D2D4	31	26	45	34	65	28
D2D5	32	25	47	35	67	28
D2D6	33	24	52	40	60	26
D2D7	34	23	53	33	66	29
D2D8	31	26	56	36	69	36
D3D1	28	28	49	35	71	32
D3D2	37	27	55	30	65	28
D3D3	31	28	51	38	62	28
SINK	35	25	57	36	57	29
Average:	32.82	27.93	52.10	35.88	66.81	29.49
Low - Bkd:	(8)	(10)	(12)	(8)	(9)	(6)
High - Bkd:	5	3	6	7	9	5
MDA:	35	20	48	74	109	78

MCHL-HP
SUBJECT: Decommissioning of Building 508, Forest Glen Section

Historical Review of Affected Areas					
Room	Auth.	Cleared	Isotopes	mCi	Comments
137	699	10/95	H-3	20	
			C-14	0.1	
			P-32	10	
			P-33	10	
			S-35	10	
			Cr-51	5	
			I-125	15	
The only long lived radionuclides that are likely to be in this room at the time of the survey are H-3, C-14					

GRAPHICAL ILLUSTRATION



Room 137, Building 508 Forest Glen Section - Affected Area

Health Physics Office
Walter Reed Army Medical Center
Washington, DC 20307

Date: 6 March 1998
Drawn: ARM
Approved: WBJ
Scale: NTS
Plate: N/A

MCHL-HP

SUBJECT: Decommissioning of Building 508, Forest Glen Section

Room:	137					
Date:	27/02/1998					
	Meter	**- BKD**		**Meter**	**- BKD**	
Sample Number	**β cpm**	**β cpm**	**2 σ**	**γ cpm**	**γ cpm**	**2 σ**
BACKGROUND	38.9	0		191.6	0	
C14						
137A6						
137A6N2						
137A6W2						
137A7 TOP	43.9	5	17.8			
137A7	45.9	7	18.0	224	32.4	40.0
137A7W2	64.8	25.9	20.0			
137A8 TOP	28.9	-10	16.1			
137A8	35.9	-3	17.0	152	-39.6	36.3
137A8W2	55.8	16.9	19.1			
137A9	49.8	10.9	18.5	204	12.4	39.0
137A9 TOP	41.9	3	17.6			
137A9W2	61.8	22.9	19.7			
137A10	53.8	14.9	18.9	212	20.4	39.4
137A10S2	49.8	10.9	18.5			
137A10W2	41.9	3	17.6			
137B6	35.9	-3	17.0	202	10.4	38.9
137B6N2	39.9	1	17.4			
137B7 TOP	45.9	7	18.0			
137B7	37.9	-1	17.2	179	-12.6	37.7
137B8	32.9	-6	16.6	157	-34.6	36.6
137B9	32.9	-6	16.6	155	-36.6	36.5
137B10	54.8	15.9	19.0	213	21.4	39.4
137B10S2	49.8	10.9	18.5			
137C6	42.9	4	17.7	174	-17.6	37.5
137C6N2	48.8	9.9	18.4			
137C7	41.9	3	17.6	127	-64.6	35.0
137C7TOP	36.9	-2	17.1			
137C8	43.9	5	17.8	159	-32.6	36.7
137C9	38.9	0	17.3	178	-13.6	37.7
137C10	32.9	-6	16.6	187	-4.6	38.1
137C10S1	40.9	2	17.5			
137C10S2	33.9	-5	16.7			
137D6	32.9	-6	16.6	143	-48.6	35.9
137D6N2	27.9	-11	16.0			
137D7	33.9	-5	16.7	140	-51.6	35.7
137D8	29.9	-9	16.3	159	-32.6	36.7
137D9	44.9	6	17.9	149	-42.6	36.2
137D10	33.9	-5	16.7	170	-21.6	37.3
137D10S2	54.8	15.9	19.0			
137E1	27.9	-11	16.0	156	-35.6	36.5
137E1N1	28.9	-10	16.1			

	Meter	- BKD		Meter	- BKD	
Sample Number	β cpm	β cpm	2 σ	γ cpm	γ cpm	2 σ
137E1N2	30.9	-8	16.4			
137E1W1	41.9	3	17.6			
137E1W2	35.9	-3	17.0			
137E2	19.9	-19	15.0	164	-27.6	37.0
137E2W1	38.9	0	17.3			
137E2W2	57.8	18.9	19.3			
137E3	49.8	10.9	18.5	129	-62.6	35.1
137E3W1	49.8	10.9	18.5			
137E3W2	26.9	-12	15.9			
137E4	36.9	-2	17.1	127	-64.6	35.0
137E4W1	31.9	-7	16.5			
137E4W2	21.9	-17	15.3			
137E5	41.9	3	17.6	167	-24.6	37.1
137E5W1	35.9	-3	17.0			
137E5W2	56.8	17.9	19.2			
137E6	43.9	5	17.8	153	-38.6	36.4
137E6W1	40.9	2	17.5			
137E6W2	37.9	-1	17.2			
137E7	29.9	-9	16.3	170	-21.6	37.3
137E8	25.9	-13	15.8	169	-22.6	37.2
137E9	28.9	-10	16.1	168	-23.6	37.2
137E10	49.8	10.9	18.5	191	-0.6	38.3
137E10S2	39.9	1	17.4			
137F1	30.9	-8	16.4	124	-67.6	34.8
137F1N1	40.9	2	17.5			
137F1N2	31.9	-7	16.5			
137F1E2	36.9	-2	17.1			
137F2	27.9	-11	16.0	128	-63.6	35.0
137F2E1	23.9	-15	15.5			
137F2E2	30.9	-8	16.4			
137F3	30.9	-8	16.4	104	-87.6	33.7
137F3E1	24.9	-14	15.7			
137F3E2	50.8	11.9	18.6			
TWO TUBES MISSING						
137F4E2	29.9	-9	16.3			
137F5	58.8	19.9	19.4	137	-54.6	35.5
137F5E1	39.9	1	17.4			
137F5E2	44.9	6	17.9			
137F6	38.9	0	17.3	132	-59.6	35.3
137F6E1	31.9	-7	16.5			
137F6E2	43.9	5	17.8			
137F7	42.9	4	17.7	167	-24.6	37.1
137F7E2	48.8	9.9	18.4			
137F8	40.9	2	17.5	149	-42.6	36.2
137F8E2	45.9	7	18.0			
137F9	39.9	1	17.4	180	-11.6	37.8
137F9E1	46.9	8	18.2			

MCHL-HP
SUBJECT: Decommissioning of Building 508, Forest Glen Section

	Meter	- BKD		Meter	- BKD	
Sample Number	β cpm	β cpm	2 σ	γ cpm	γ cpm	2 σ
137F9E2	41.9	3	17.6			
137F10	26.9	-12	15.9	191	-0.6	38.3
137F10E1	37.9	-1	17.2			
137F10E2	35.9	-3	17.0			
137F10S1	45.9	7	18.0			
137F10S2	46.9	8	18.2			
137F8E1	24.9	-14	15.7			
137F4	45.9	7	18.0	131	-60.6	35.2
137F4E1	27.9	-11	16.0			
137A7D1						
137A8D1						
137A8D2						
137A8D3						
137A8D4						
137A8D5						
137A8D6						
137A8D7						
137A8D8						
137A9D1						
137A9D2						
137A9D3						
137B7D1						
137B7D2						
137B7D3						
137B7D4						
137B9D1						
137B9D2						
137C7D1						
137C9D1						
137C9D2						
137D7D1						
137D9D1						
137D9D2						
137E9D1						
137E9D2						
Average:	39.5	0.6		162.1	(29.5)	
Low:	19.9	(19.0)		104.0	(87.6)	
High:	64.8	25.9		224.0	32.4	
MDA:	1465			228		

Room:	137		
Date:	27/02/1998		
Data Entered By:	SPC Claudy		
	Liquid Scintillation Counter		
Sample Number	**> 150 keV cpm**	**H-3 dpm**	**C-14 dpm**
BACKGROUND	18.8	16.05	19.83
C14	11.45	78933	133715
137A6	12.4	12.33	18.36
137A6N2	8	8.46	14.51
137A6W2	8.8	5.33	15.03
137A7 TOP	7	1.54	15.92
137A7	6.8	7.71	16.65
137A7W2	8.99	13.41	16.16
137A8 TOP	8.64	5.78	12.26
137A8	7.2	10.68	14.34
137A8W2	7	9.69	15.37
137A9	9.6	13.28	15.49
137A9 TOP	8.8	5.52	14.23
137A9W2	9.6	13.46	10.61
137A10	8.47	1.92	19.6
137A10S2	9	1.15	14.89
137A10W2	9.2	8.06	13.93
137B6	6.2	11.77	13.01
137B6N2	7	8.41	12.91
137B7 TOP	7.8	11.16	20.13
137B7	6.4	17.62	15.33
137B8	9.2	8.89	15
137B9	7.8	7.1	13.24
137B10	6.8	6.43	11.34
137B10S2	10.8	7.69	15.96
137C6	9.2	8.43	14.7
137C6N2	7.8	10.53	13.56
137C7	7.99	4.96	14.84
137C7TOP	6.4	7.27	17.87
137C8	8.4	8.03	15.89
137C9	7.6	9.44	13.56
137C10	8.6	9.97	12.03
137C10S1	6.14	6.8	17.82
137C10S2	9.8	10.47	16.87
137D6	8.6	6.5	13.78
137D6N2	7.4	10.95	15.74
137D7	7.4	10.02	13.67
137D8	9	7.19	12.24
137D9	8.4	63143	13.64
137D10	8.4	8.72	17.1
137D10S2	8	4.85	15.13
137E1	8.8	10.87	14.31
137E1N1	6.8	16.64	10.7

	Liquid Scintillation Counter			
Sample Number	**> 150 keV cpm**	**H-3 dpm**	**C-14 dpm**	
137E1N2	9	7.82	16.3	
137E1W1	8	8.95	12.24	
137E1W2	6.4	9.2	12.73	
137E2	8.6	14.12	12.51	
137E2W1	8.8	3.1	17.27	
137E2W2	7.2	14.38	11.65	
137E3	9.33	16.99	13.78	
137E3W1	10	11.02	15.65	
137E3W2	8.8	7.91	13.8	
137E4	7	5.44	15.67	
137E4W1	7.4	14.99	17.54	
137E4W2	7.8	11.02	15.52	
137E5	8.6	8.8	15.24	
137E5W1	7.6	11.76	10.13	
137E5W2	7.6	4.37	14.34	
137E6	8	35.33	11.66	
137E6W1	1.84	2631.24	24.84	tsie 24.08
137E6W2	6	8.35	16.61	
137E7	9.2	4.35	13.88	
137E8	6.6	15.22	18.66	
137E9	8.2	6.77	16.49	
137E10	7.6	11.35	16.42	
137E10S2	5.63	9.24	12.35	
137F1	9	4.37	12.48	
137F1N1	6.69	12.41	13.14	
137F1N2	8	9.25	15.22	
137F1E2	8.2	25.02	14.49	
137F2	10.69	5.94	16.66	
137F2E1	7.2	8.1	18.66	
137F2E2	6.2	8.21	16.88	
137F3	6.4	4.01	15.36	
137F3E1	7.2	9.06	15.66	
137F3E2	7.2	22.45	16.15	
TWO TUBES MISSING				
137F4E2	9.58	507.72	60.07	tsie 10.84
137F5	7.09	695.51	77.75	tsie 11.52
137F5E1	10	10.51	15.29	
137F5E2	9	7.74	13.98	
137F6	7.74	17.16	14.87	
137F6E1	7.6	5.3	15.74	
137F6E2	7.8	11.4	13.75	
137F7	9	4.38	15.13	
137F7E2	8	8.45	12.66	
137F8	7.4	5.2	17.62	
137F8E2	9.6	9.72	12.96	
137F9	7.4	9.03	13.93	
137F9E1	9.6	10.46	13.3	

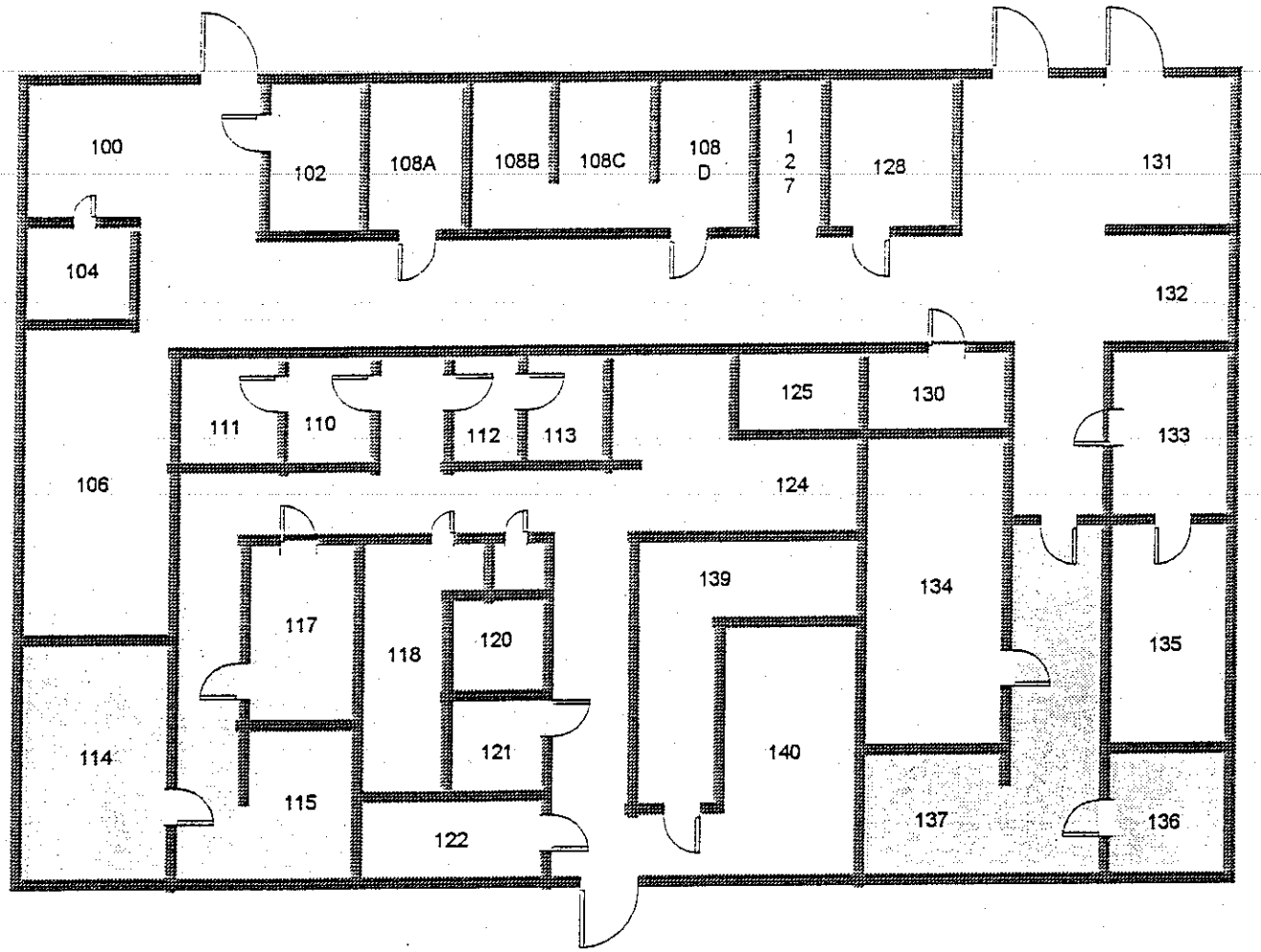
	Liquid Scintillation Counter		
Sample Number	**> 150 keV cpm**	**H-3 dpm**	**C-14 dpm**
137F9E2	6.2	6.181.03	7.29
137F10	7.25	6.87	10.47
137F10E1	10	5.06	19.48
137F10E2	9.4	1.25	15.88
137F10S1	7	7.59	15.32
137F10S2	9.6	6.87	18.95
137F8E1	6.8	9.62	15.32
137F4	11.24	36.49	12.76
137F4E1	8.2	8.99	12.99
137A7D1	8.4	5.69	14.39
137A8D1	6.4	7.56	11.31
137A8D2	8.2	7.49	13.86
137A8D3	6.4	9.87	14
137A8D4	9	9.49	14.16
137A8D5	7	22.32	10.64
137A8D6	6	7.42	13.51
137A8D7	8	8.89	15.06
137A8D8	6.4	6.24	16.5
137A9D1	5.8	11.67	12.43
137A9D2	6.06	8.11	15.5
137A9D3	10	7.8	15.67
137B7D1	7	8.7	17.2
137B7D2	8.4	4.43	12.19
137B7D3	6.8	8.02	15.72
137B7D4	7.2	8.85	13.19
137B9D1	8	9.96	15.51
137B9D2	6.4	9.86	13.92
137C7D1	7.4	10.93	14.74
137C9D1	7.4	36.31	14.5
137C9D2	9.8	9.33	15.16
137D7D1	8.4	1.15	14.15
137D9D1	7.6	7.12	17.21
137D9D2	7.8	6.93	17.42
137E9D1	7	15	11.87
137E9D2	7.6	5.36	15.83
Reswipe Analysis	**Liquid Scintillation Counter**		
Sample Number	**> 150 keV cpm**	**H-3 dpm**	**C-14 dpm**
BACKGROUND	9.6	9.46	15.46
137D9	8.2	14.67	16.19
137E6W1	9	10.86	14.76
137F4E2	7.4	41.32	13.89
137F5	8.2	7.67	13.37
137F9E2	7.4	4.49	16.34

Room:	137					
Date:	27/02/1998					
	15 - 85	85 - 150	150 - 275	275 - 400	400 - 900	900 - 1400
Sample Number	**CPMA**	**CPMB**	**CPMC**	**CPMD**	**CPME**	**CPMF**
BACKGROUND	36	36	75	54	106	34
Cs-137	3605	2542	6780	4515	13127	37
137A6	36	35	65	53	103	33
137A6N2	32	31	49	37	65	31
137A6W2	30	25	53	32	74	30
137A7 TOP	36	28	48	33	62	31
137A7	31	26	56	35	66	28
137A7W2	43	28	58	34	67	28
137A8 TOP	36	27	57	40	71	29
137A8	30	28	56	33	70	25
137A8W2	33	29	54	37	63	32
137A9	30	27	50	42	71	30
137A9 TOP	32	28	46	34	64	31
137A9W2	35	30	54	32	69	31
137A10	33	30	54	35	62	29
137A10S2	33	31	54	37	73	23
137A10W2	28	26	53	40	66	33
137B6	30	26	53	36	64	33
137B6N2	33	27	55	41	65	31
137B7 TOP	32	27	53	30	62	29
137B7	33	28	54	34	64	26
137B8	32	30	51	33	69	29
137B9	34	26	53	32	62	28
137B10	39	33	55	35	66	31
137B10S2	32	26	57	36	64	26
137C6	29	26	56	34	61	29
137C6N2	29	24	53	35	63	26
137C7	30	26	53	35	66	27
137C7TOP	36	26	51	34	65	28
137C8	32	33	53	34	71	32
137C9	32	27	50	36	66	29
137C10	27	29	45	33	66	28
137C10S1	31	26	53	34	63	33
137C10S2	34	30	54	33	66	28
137D6	33	27	48	32	63	27
137D6N2	32	27	57	36	72	31
137D7	32	29	53	32	65	29
137D8	34	29	55	42	65	29
137D9	31	30	54	36	70	28
137D10	36	29	57	32	70	25
137D10S2	30	29	49	37	69	29
137E1	34	26	53	32	66	32
137E1N1	37	32	58	41	68	29

	15 - 85	85 - 150	150 - 275	275 - 400	400 - 900	900 - 1400
Sample Number	**CPMA**	**CPMB**	**CPMC**	**CPMD**	**CPME**	**CPMF**
137E1N2	29	27	55	35	69	33
137E1W1	35	32	54	32	67	30
137E1W2	34	25	50	29	72	30
137E2	32	26	59	35	68	33
137E2W1	33	26	50	33	74	30
137E2W2	32	25	48	36	69	31
137E3	32	26	53	37	76	29
137E3W1	35	30	53	30	69	30
137E3W2	32	32	53	34	65	32
137E4	31	26	52	29	64	30
137E4W1	39	27	55	34	69	27
137E4W2	38	28	54	34	66	26
137E5	30	26	52	37	71	29
137E5W1	35	24	53	33	67	27
137E5W2	36	30	50	34	67	29
137E6	34	27	50	30	71	28
137E6W1	33	28	51	32	61	31
137E6W2	33	28	54	35	63	29
137E7	35	25	48	34	64	31
137E8	34	27	55	34	68	32
137E9	31	27	52	35	68	29
137E10	35	26	56	37	68	28
137E10S2	35	32	55	31	62	27
137F1	34	26	55	37	58	28
137F1N1	35	30	49	36	68	26
137F1N2	34	29	52	35	70	28
137F1E2	32	26	53	33	67	30
137F2	32	22	52	32	69	28
137F2E1	31	20	50	37	69	26
137F2E2	34	29	56	34	68	29
137F3	33	29	54	34	65	26
137F3E1	34	26	55	38	63	28
137F3E2	32	29	52	33	65	28
137F4E2	31	29	50	34	65	31
137F5	32	32	46	35	58	28
137F5E1	33	33	55	38	68	27
137F5E2	35	28	46	34	67	28
137F6	36	32	53	34	65	28
137F6E1	33	25	55	33	70	28
137F6E2	33	25	48	36	61	27
137F7	36	26	53	32	76	30
137F7E2	31	28	55	35	69	29
137F8	33	28	56	35	67	32
137F8E2	29	26	53	39	66	31
137F9	33	25	51	34	66	29
137F9E1	30	27	49	35	57	25
137F9E2	36	31	55	34	66	28

	15 - 85	85 - 150	150 - 275	275 - 400	400 - 900	900 - 1400
Sample Number	**CPMA**	**CPMB**	**CPMC**	**CPMD**	**CPME**	**CPMF**
137F10	33	33	49	28	63	31
137F10E1	34	30	51	33	62	28
137F10E2	34	27	51	29	65	32
137F10S1	33	26	50	40	67	28
137F10S2	32	30	52	34	72	34
137F8E1	34	30	46	32	68	34
137F4	34	26	49	31	69	27
137F4E1	30	29	51	34	68	29
137A7D1	32	26	57	33	66	27
137A8D1	34	31	53	36	69	32
137A8D2	32	26	54	33	73	31
137A8D3	38	27	49	37	65	25
137A8D4	33	26	54	37	63	32
137A8D5	33	32	52	36	72	29
137A8D6	36	30	51	32	68	29
137A8D7	32	23	49	37	65	30
137A8D8	38	31	48	32	69	31
137A9D1	30	32	57	36	67	32
137A9D2	33	28	58	38	66	30
137A9D3	28	27	47	36	65	32
137B7D1	36	27	53	38	73	26
137B7D2	32	28	54	31	69	28
137B7D3	35	29	53	36	66	29
137B7D4	35	27	54	34	75	28
137B9D1	35	23	53	33	68	29
137B9D2	31	27	48	36	69	30
137C7D1	26	30	51	36	69	31
137C9D1	33	32	59	36	70	27
137C9D2	34	27	57	36	69	30
137D7D1	36	31	56	38	63	29
137D9D1	31	23	61	36	69	25
137D9D2	33	32	56	32	67	28
137E9D1	35	26	50	35	64	31
137E9D2	33	32	51	37	69	31
Average:	33.07	27.97	52.78	34.79	67.21	29.18
Low - Bkd:	(10)	(16)	(30)	(26)	(49)	(11)
High - Bkd:	7	(1)	(10)	(1)	(3)	0
MDA:	35	21	57	90	138	82

GRAPHICAL ILLUSTRATION



Building 508 Forest Glen Section - Non-Affected Areas in White	Date: 6 March 1998
Health Physics Office Walter Reed Army Medical Center Washington, DC 20307	Drawn: ARM Approved: WBJ Scale: NTS Plate: N/A

MCHL-HP

SUBJECT: Decommissioning of Building 508, Forest Glen Section

Room:	08_Common Areas		
Date:	20/02/1998		
Data Entered By:	SPC Futch		
	Liquid Scintillation Counter		
Sample Number	**> 150 keV cpm**	**H-3 dpm**	**C-14 dpm**
508COM1	8.8	7.13	16.53
508COM2	9.2	7.54	12.05
508COM3	7.2	7.86	13.36
508COM4	7.8	14.38	14.12
508COM5	10	8.07	17.38
508COM6	7.2	8.02	15.61
508COM7	11	8.72	16.67
508COM8	8	9.23	17.67
508COM9	7.6	11.52	15.05
508COM10	7.8	8.24	13.51
508COM11	9.8	7.48	16.13
508COM12	7.6	7.19	16.4
508COM13	10.4	7.59	16.65
508COM14	11.2	10.45	16.29
508COM15	8.4	8.77	15.46
508COM16	9.2	4.43	17.39
508COM17	5.2	13.38	15.9
508COM18	8.4	14	18.9
508COM19	9.4	11.49	14.31
508COM20	13.2	12.52	13.43
508COM21	10.2	2.8	20.01
508COM22	8.4	13.8	18.66
508COM23	10.8	4.66	13.73
508COM24	8.6	7.45	15.25
508COM25	12	12.97	11.66
508COM26	12.4	8.81	17.94
508COM27	10	12.14	15.46
508COM28	11.4	12.26	19.55
508COM29	10.4	12.13	15.48
508COM30	9.6	9.79	19.73
508COM31	10.51	18.18	13.15
508COM32	10.2	12.36	18.13
508COM33	11	10.26	11.79
508COM34	9.4	5.93	17.34
508COM35	9.6	8.23	17
508COM36	11	8.37	13.13
508COM37	11.8	10.53	16.31
508COM38	8.8	9.36	24.33
508COM39	8.4	5.94	18.05
508COM40	8.4	10.82	19.08
508COM41	8.24	9.47	17.21
508COM42	6.8	6.83	15.62
508COM43	8.2	15.5	13.21

	Liquid Scintillation Counter			
Sample Number	> 150 keV cpm	H-3 dpm	C-14 dpm	
508COM44	10.6	1.23	20.48	
508COM45	9.99	11.04	18.5	
508COM46	9.6	12.45	13.93	
508COM47	6.87	134.49	9.42	Room 131
508COM48	8.4	7.65	16.87	
508COM49	9.8	11.22	20.82	
508COM50	9.8	10.57	16.48	
508COM51	9.8	13.63	15.87	
508COM52	10.8	18.42	12.41	
508COM53	8.6	19.57	13.46	
508COM54	8.8	10	16.71	
508COM55	6.4	6.15	15.01	
508COM56	9	15.39	14.72	
508COM57	10.03	12.53	17.19	
508COM58	9.2	14.28	17.17	
508COM59	8.4	8.34	17.69	
508COM60	10.4	14.39	13.69	
508COM61	10.31	8.93	13.36	
508COM62	8	11.3	16.13	
508COM63	8.6	12.46	17.44	
508COM64	10	12.16	18.57	
508COM65	11.4	9.86	17.52	
508COM66	1.2	0	23.39	
508COM67	606	10.82	15.83	Room 121
508COM68	7.8	11.97	15.99	
508COM69	8.6	4.56	15.17	
508COM70	10.4	5.99	16.14	
508COM71	8.6	11.98	11.92	
508COM72	9	8.36	14.99	
508COM73	9	7.54	17.18	
508COM74	9	10.29	11.86	
508COM75	7.12	11.26	16.69	
508COM76	6.4	7.12	18.08	
508COM77	8	10.44	18.38	
508COM78	11.4	12.36	18.31	
508COM79	10.29	9.56	16.73	
508COM80	8.6	15.55	16.19	
508COM81	7.8	9.83	14.46	
508COM82	7.8	13.02	18.32	
508COM83	10	9.71	12.99	
508COM84	8.52	9.99	15.25	
508COM85	9	12.36	13.17	
508COM86	8	6.97	12.09	
508COM87	8.53	11.85	15.6	
508COM88	9.8	8.28	15.22	
508COM89	7	12.91	13.17	
508COM90	7.8	6.99	14.88	

	Liquid Scintillation Counter		
Sample Number	**> 150 keV cpm**	**H-3 dpm**	**C-14 dpm**
508COM91	7.8	5.01	12.49
508COM92	9.2	15.93	13.32
508COM93	8.6	9.12	14.71
508COM94	8.6	10.07	17.12
508COM95	10.4	3.36	16.83
508COM96	11.2	10.97	13.92
508COM97	8.2	10.22	14.46
508COM98	10.6	11.38	18.38
508COM99	8.2	13.14	11.75
508COM100	9.8	10.18	14.44
508COM101	10.2	7.32	16.84
508COM102	7.2	13.11	18.2
508COM103	9.8	14.71	14.31
508COM104	9.6	13.24	11.09
508COM105	5.6	18.68	12.47
508COM106	8	14.9	15.09
508COM107	9	7.92	13.3
508COM108	8.2	14.87	14.55
508COM109	8.6	7.08	12.54
BLANK	7.8	4.24	14.99
H3	10.6	257387	0
508134-77	9	5.64	14.22
508134-78	7.8	4.46	14.57
508134-79	8.8	10.97	13.19
508134-80	6.2	9.18	14.46
508134-81	7.8	10.79	11.9
508134-82	8	5.16	15.51
508134-83	7.8	46.66	14.33
508134-84	5.6	4.46	11.89
508134-85	8.4	2.14	12.8
508134-86	8.2	31.63	15.75
508134-87	8.6	10.32	15.63
508134-88	8.6	6.02	12.79
508134-89	5.2	5.25	16.69

Reswipe Analysis	**Liquid Scintillation Counter**		
Sample Number	**> 150 keV cpm**	**H-3 dpm**	**C-14 dpm**
BACKGROUND	12.5	18.34	21.31
121 10	8	5.71	17.58
121 11	7.72	6.96	15.28
121 12	8.4	16.53	13.75
121 13	5.02	4.98	14.8
121 14	10.8	21.41	11.29
121 15	7.2	7.25	17.92
121 16	7	5.48	15.86

	Liquid Scintillation Counter		
Sample Number	> 150 keV cpm	H-3 dpm	C-14 dpm
121 17	5.4	9.67	12.24
121 18	8	10.33	14.39
131 19	8.57	5.57	15.63
131 20	7.2	8.62	15.89
131 21	7.4	4.76	15.91
131 22	7.6	12.52	15.14
131 23	7.6	6.43	15.44
131 24	11	14.45	13.69
131 25	6.6	7.45	15.69
131 26	8.6	10.44	18.02
131 27	7.71	7.7	16.64
131 28	7	7.13	15.05
131 29	6.4	7.22	14.55
131 30	10.6	10.78	13.95
131 31	7.4	8.55	12.79

Room:	_Common Areas					
Date:	20/02/1998					
	15 - 85	85 - 150	150 - 275	275 - 400	400 - 900	900 - 1400
Sample Number	**CPMA**	**CPMB**	**CPMC**	**CPMD**	**CPME**	**CPMF**
BACKGROUND	32	24	54	40	71	27
Cs-137	3613	2548	6834	4527	13156	42
508COM1	30	25	53	35	66	31
508COM2	32	26	46	32	62	31
508COM3	32	26	50	33	60	32
508COM4	30	26	51	31	64	33
508COM5	31	26	52	31	63	29
508COM6	35	26	56	33	69	32
508COM7	36	26	51	37	74	29
508COM8	39	27	51	31	73	31
508COM9	34	26	51	37	65	30
508COM10	33	30	45	37	66	26
508COM11	36	26	46	30	65	26
508COM12	32	26	52	33	63	30
508COM13	35	26	47	36	75	25
508COM14	34	30	53	37	66	26
508COM15	37	26	47	37	67	25
508COM16	35	29	46	33	63	30
508COM17	31	24	52	29	66	27
508COM18	32	26	53	31	66	30
508COM19	30	29	52	33	66	35
508COM20	34	29	55	31	61	29
508COM21	29	26	51	34	66	26
508COM22	36	27	50	33	72	24
508COM23	35	26	51	35	70	27
508COM24	34	27	47	36	67	29
508COM25	34	27	56	37	65	27
508COM26	32	26	50	36	63	26
508COM27	33	24	49	34	64	31
508COM28	29	29	59	36	69	25
508COM29	33	27	46	35	67	32
508COM30	33	29	49	36	71	29
508COM31	34	31	55	33	63	31
508COM32	31	26	46	33	71	27
508COM33	31	26	56	34	62	29
508COM34	30	27	52	37	71	29
508COM35	37	26	52	36	69	26
508COM36	29	24	49	36	66	33
508COM37	32	24	55	33	66	31
508COM38	31	26	57	34	67	34
508COM39	35	27	52	34	66	31
508COM40	31	26	50	34	67	31
508COM41	34	27	55	34	69	30

	15 - 85	85 - 150	150 - 275	275 - 400	400 - 900	900 - 1400
Sample Number	**CPMA**	**CPMB**	**CPMC**	**CPMD**	**CPME**	**CPMF**
508COM42	31	23	50	37	72	23
508COM43	34	25	54	36	72	29
508COM44	32	31	47	34	68	30
508COM45	34	30	42	39	73	31
508COM46	33	26	50	36	67	30
508COM47	25	25	55	36	71	30
508COM48	36	21	51	40	70	32
508COM49	37	29	53	36	73	29
508COM50	34	26	50	35	70	30
508COM51	31	28	54	35	73	28
508COM52	30	31	53	35	68	31
508COM53	34	27	50	30	66	30
508COM54	35	24	47	39	69	29
508COM55	31	26	53	38	63	32
508COM56	33	24	56	30	64	37
508COM57	34	28	57	39	69	32
508COM58	34	27	54	35	68	34
508COM59	33	32	51	40	62	30
508COM60	33	29	47	35	67	32
508COM61	31	30	54	38	70	27
508COM62	38	27	49	35	71	32
508COM63	31	30	47	39	61	29
508COM64	35	26	45	35	65	27
508COM65	31	28	49	38	73	29
508COM66	35	24	54	32	73	29
508COM67	38	26	54	39	71	26
508COM68	35	24	50	31	72	27
508COM69	29	27	56	33	71	28
508COM70	36	25	55	36	68	30
508COM71	31	24	49	34	67	26
508COM72	32	33	52	38	70	29
508COM73	33	30	56	39	70	32
508COM74	31	24	56	39	64	29
508COM75	30	27	49	36	68	30
508COM76	32	28	49	28	65	29
508COM77	31	28	52	37	69	32
508COM78	38	27	53	36	62	24
508COM79	31	29	54	34	66	28
508COM80	34	28	54	39	67	27
508COM81	33	30	47	35	63	31
508COM82	35	28	55	37	66	28
508COM83	31	28	51	33	67	30
508COM84	32	27	59	40	72	27
508COM85	40	29	51	33	70	28
508COM86	30	28	56	37	67	31
508COM87	34	28	58	36	72	35
508COM88	33	27	55	40	65	29

	15 - 85	85 - 150	150 - 275	275 - 400	400 - 900	900 - 1400
Sample Number	**CPMA**	**CPMB**	**CPMC**	**CPMD**	**CPME**	**CPMF**
508COM89	36	30	52	35	60	32
508COM90	34	29	52	41	66	31
508COM91	32	27	49	33	66	25
508COM92	32	23	55	38	67	33
508COM93	36	30	51	36	68	31
508COM94	34	29	51	33	74	31
508COM95	32	29	46	39	68	29
508COM96	30	26	55	37	65	28
508COM97	29	28	52	32	66	26
508COM98	35	23	48	40	70	33
508COM99	30	27	52	33	70	28
508COM100	30	28	48	34	70	24
508COM101	33	26	52	33	68	29
508COM102	29	27	49	34	64	32
508COM103	31	29	58	36	68	29
508COM104	30	25	55	36	71	33
508COM105	36	26	55	34	69	31
508COM106	34	27	55	36	70	33
508COM107	40	26	48	38	68	26
508COM108	34	27	47	35	71	26
508COM109	34	34	60	53	96	31
Average:	32.99	27.07	51.64	35.37	67.85	29.39
Low - Bkd:	(7)	(3)	(12)	(12)	(11)	(4)
High - Bkd:	8	10	6	13	25	10
MDA:	32	17	48	72	109	78

APPENDIX D

SURVEY METERS, LABORATORY COUNTERS, QUALITY CONTROL DATA

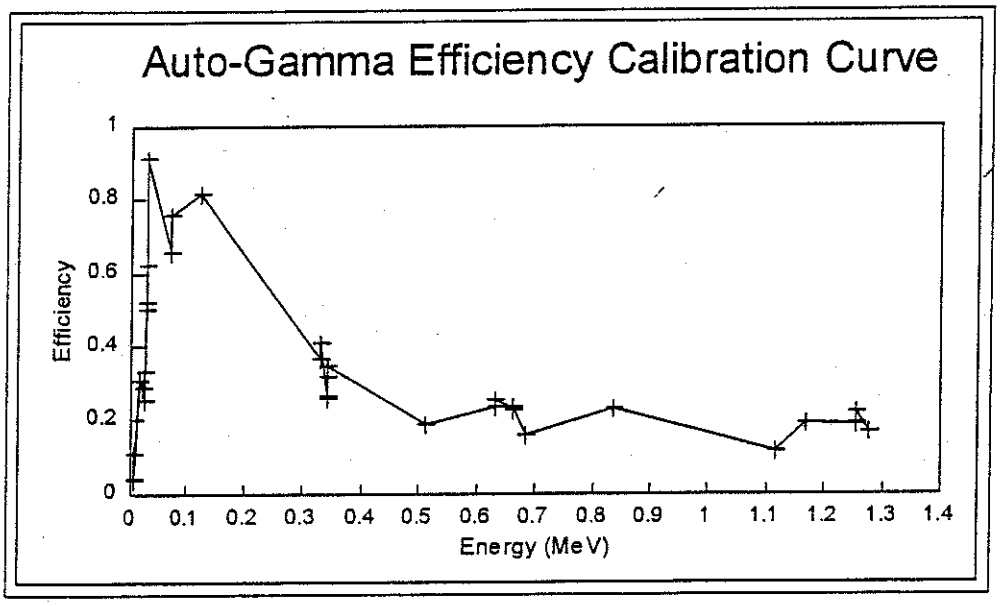
1. The portable meters used in this survey include:

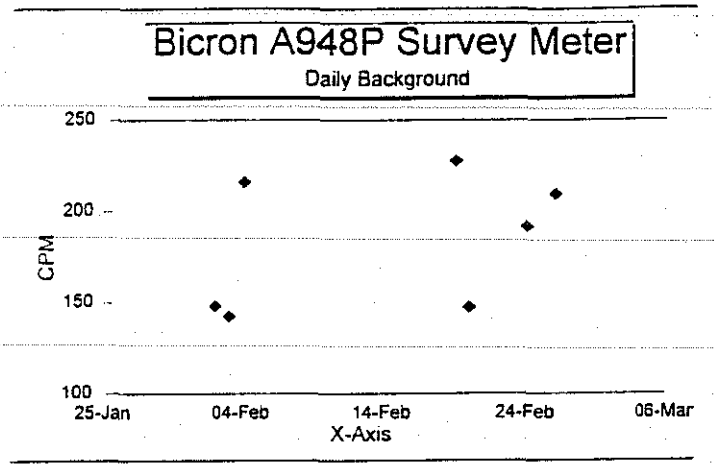
Manufacturer	Model	Serial Number	Calibrated	Calibration Due
Bicron	Analyst	A948P	6 Jan 98	5 Jul 98
Bicron	Analyst	A950P	17 Dec 97	15 Jun 98
Eberline	ESP-1	579A	24 Oct 97 9 Feb 98	24 Feb 98 9 Jun 98
Eberline	ESP-2	975	17 Dec 97	16 Apr 98

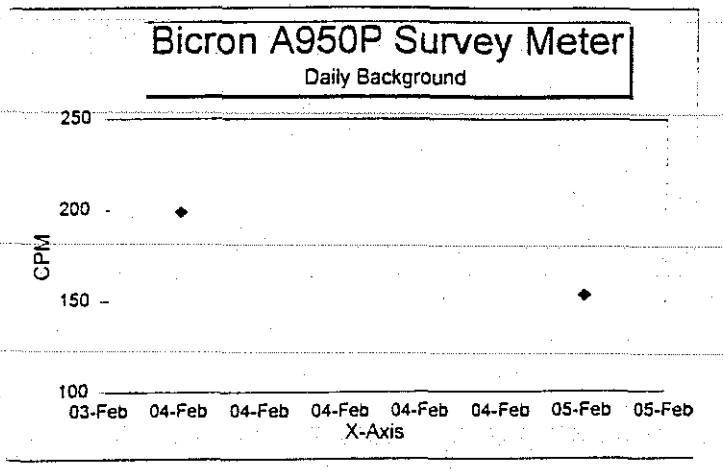
2. The laboratory counters used in this survey include:

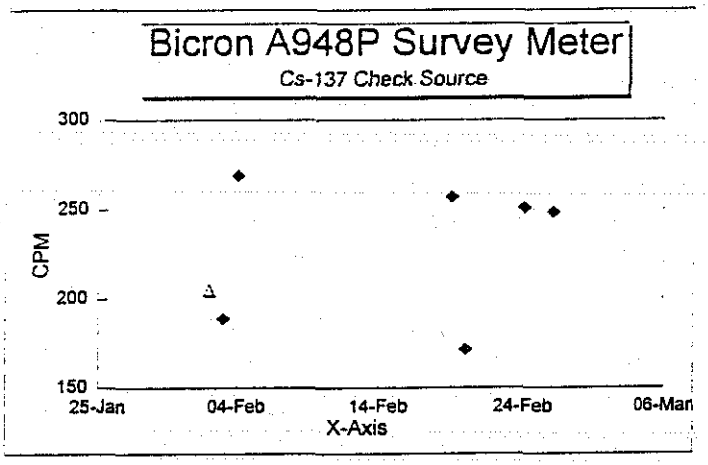
Manufacturer	Model	Serial Number	Calibrated	Calibration Due
Packard	2500TR	408523	Aug 97	Mar 98
Packard	2500TR	103407	Aug 97	Mar 98
Packard	5530	400577	Aug 97	Mar 98

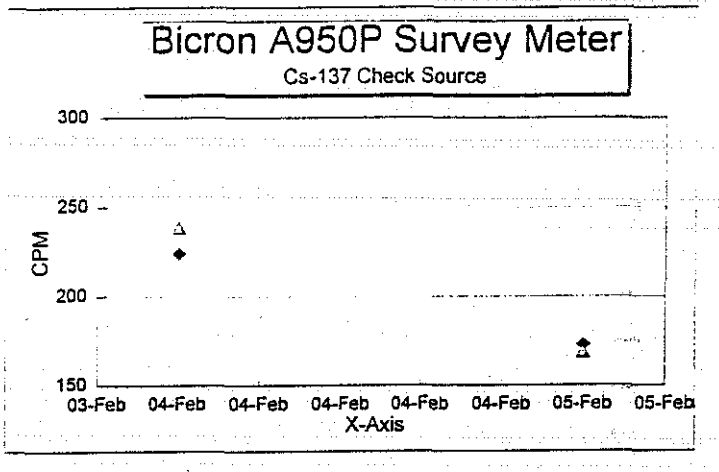
3. The efficiency calibration curve for the Packard 5530 auto-gamma counter is shown below:







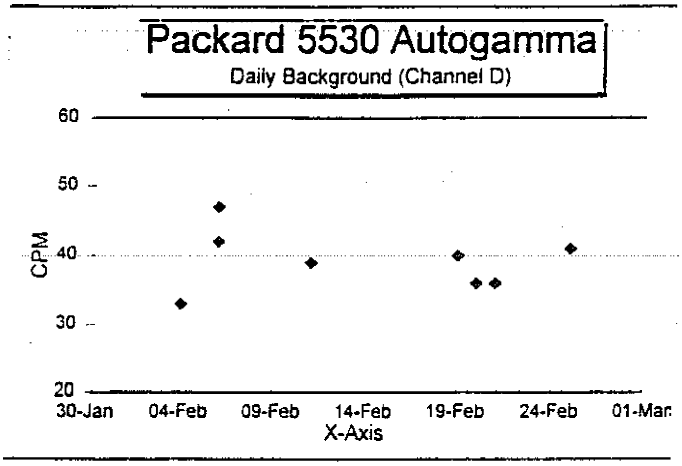


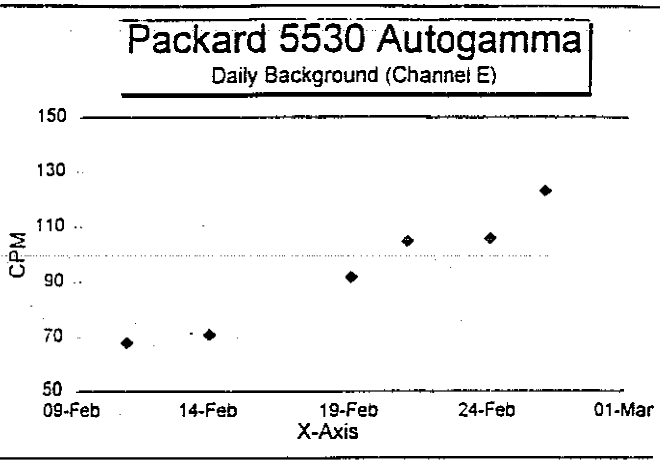


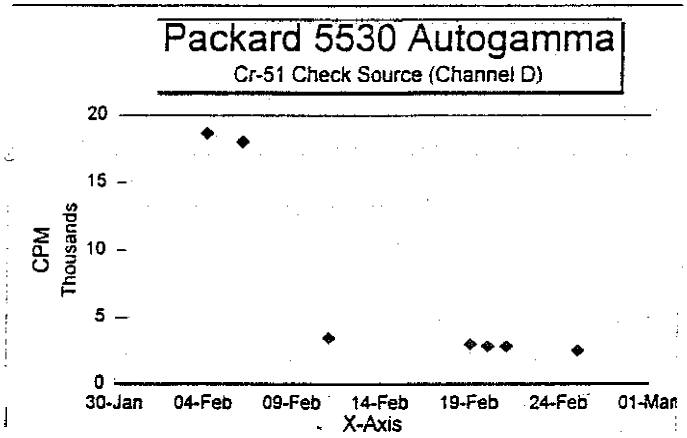
Bicron A948P	Date	BKD	Cs-137(1)	Cs-137(2)
1	02/02/98	148.2		
2	02/03/98	142.6	189	
3	02/04/98	216	269	205
4	02/19/98	227.6	257	
5	02/20/98	147.4	171.6	
6	02/24/98	191.6	251	
7	02/26/98	209.2	248.4	

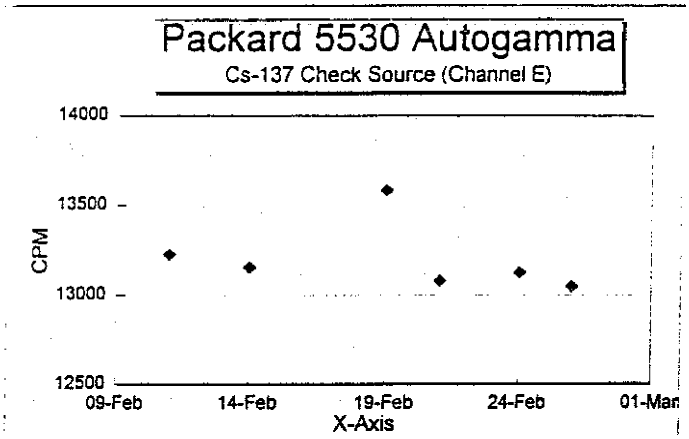
Bicron A950P	Date	BKD	Cs-137(1)	Cs-137(2)
1	02/04/98	199	224	239
2	02/05/98	153	173	169

Chk Source:	Cs-137(1)	1.81 uCi	12/01/72	Decayed to:	1.015	uCi
Chk Source:	Cs-137(2)	0.106 uCi	06/19/85	Decayed to:	0.079	uCi







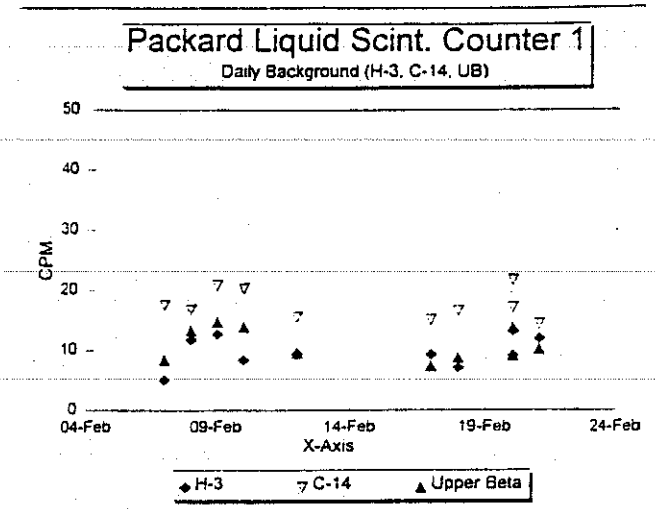


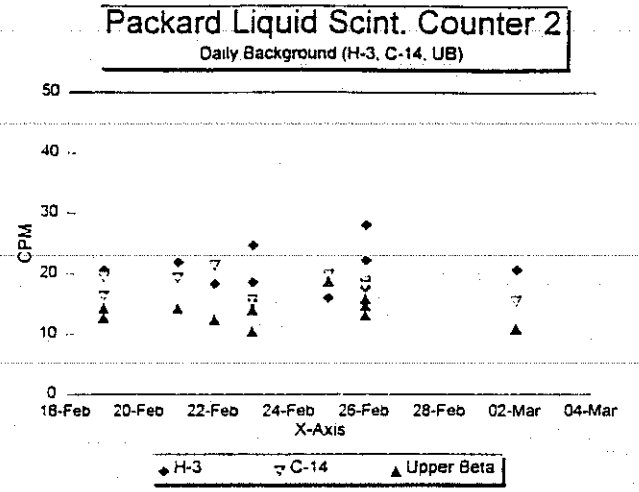
ESP-2 (975)	Date	BKD	C-14
1	02/02/98	48	24600
2	02/04/98	38.9	21400

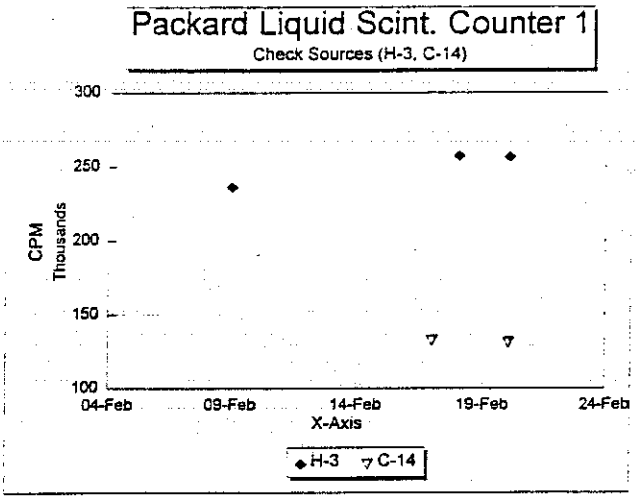
ESP-1 (579A	Date	BKD	C-14
1	02/05/98	36.1	460850
2	02/19/98	47.46	21800
3	02/20/98	35.9	3264
4	02/24/98	38.9	3890
5	02/26/98	33.9	30100
6	02/26/98	40.1	23800

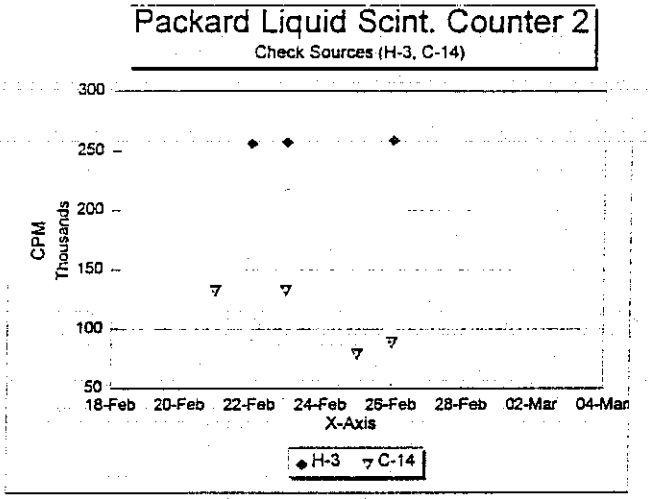
Chk Source: C-14 0.135 uCi 03/26/77

SUBJECT: Decommissioning of Building 508, Forest Glen Section



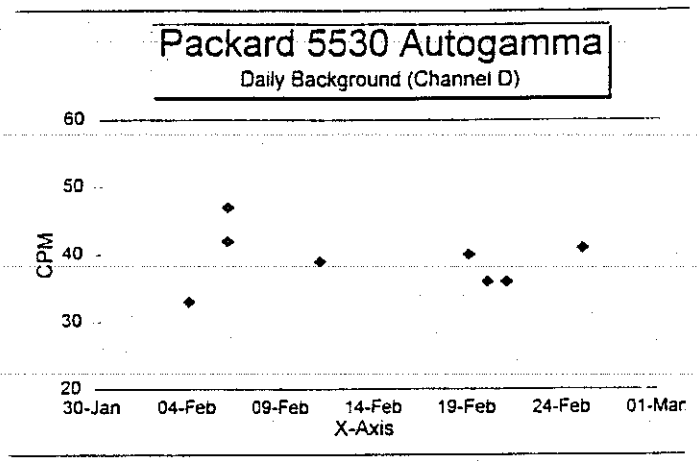


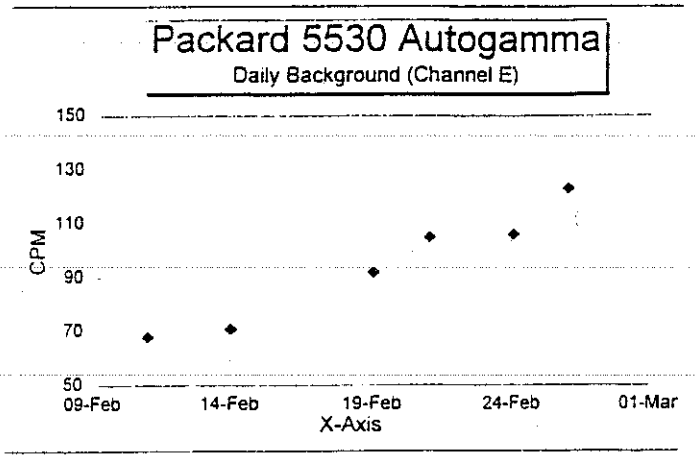


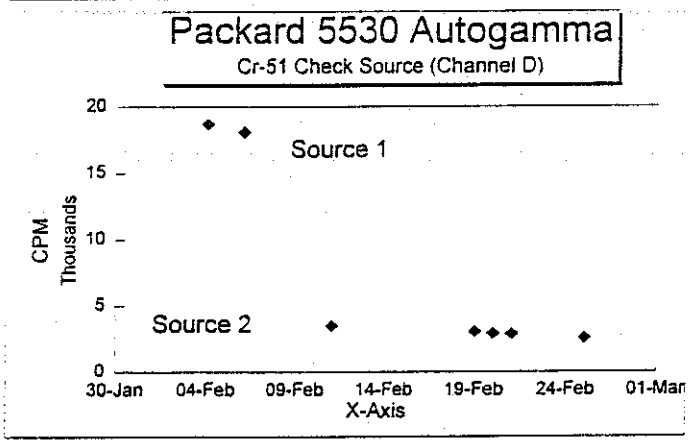


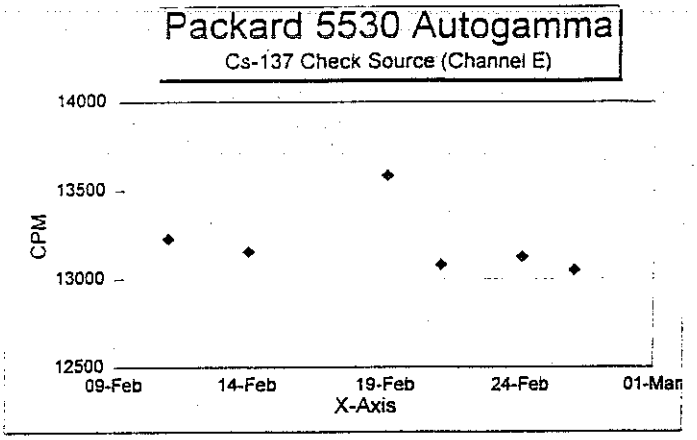
LSC (1)	Date	Blank (A) dpm	H-3 (A) dpm	H-3 efficiency	Blank (B) dpm	C-14 (B) dpm	C-14 efficiency	Blank (C) cpm	I-125 (A) spike
1	02/07/98	5.09			17.53			8.55	629.11
2	02/08/98	11.81		65.61	16.81		96.58	13.4	512.62
3	02/09/98	12.77	236363		20.87			14.8	
4	02/10/98	8.39		65.46	20.32		96.76	14	
5	02/12/98	9.46			15.46		96.78	9.6	
6	02/17/98	9.29			15.07	132284		7.4	
7	02/18/98	7.13	257387		16.53			8.8	
8	02/20/98	9.12	256518		17.07			9.18	
9	02/20/98	13.22		65.24	21.66	130807	96.92	13.8	
10	02/21/98	11.95			14.38			10.2	

LSC (2)	Date	Blank (A) dpm	H-3 (A) dpm	H-3 efficiency	Blank (B) dpm	C-14 (B) dpm	C-14 efficiency	Blank (C) cpm	cpm
1	02/19/98	20			16.22			12.8	
2	02/19/98	20.6			19.48			14.4	
3	02/21/98	21.97			19.24	132282		14.4	
4	02/22/98	18.34	255963		21.361			12.5	
5	02/23/98	24.75			14.85	132657		10.49	
6	02/23/98	18.64	257378		15.63			14.12	
7	02/25/98	16.05			19.83	78933		18.8	
8	02/26/98	22.23			18.3			15.95	
9	02/26/98	17.76			18.75	88486		13.2	
10	02/26/98	28.12	258571		17.91			14.8	
11	03/02/98	20.7			15.46			11	









Auto-Gamma	Date	Blank (D) cpm	Cr-51 (D) cpm	Blank (E) cpm	Cs-137 (E) cpm
1	02/04/98	33	18701		
2	02/06/98	47	18069		
3	02/06/98	42	18114		
4	02/11/98			68	13228
5	02/11/98	39	3485		
6	02/14/98			71	13156
7	02/19/98	40	3045		
8	02/19/98			92	13585
9	02/20/98	36	2879		
10	02/21/98			105	13082
11	02/21/98	36	2862		
12	02/24/98			106	13127
13	02/25/98	41	2563		
14	02/26/98			123	13051