



DEPARTMENT OF RADIOLOGY
Henry Ford Hospital & Health Network

Radiation Safety Office

May 2, 2012

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Dear Sir or Madam:

We terminated licensed activities at Henry Ford Macomb Warren Hospital (NRC License No. 21-04082-01) on March 30, 2012. This letter describes the decommissioning of NRC regulated material at this facility. Therefore we are requesting to terminate this license. NRC Form 314 is attached (Attachment 1).

Please note that this site remains under the control of Henry Ford Health System. A small portion of the hospital remains open as a rehabilitation housing facility. The primary areas of storage and use of licensed radioactive materials have been secured from unauthorized entry. The entire site has a 24 hour security presence. We will continue to maintain records as required by NRC regulations until the license is fully terminated. There are no immediate plans to reoccupy areas where radioactive materials have been used. There are long term plans to repurpose the site for use as a large rehabilitation facility but it will take several months for these plans to be finalized.

Decommissioning Criterion

As a summary, all known licensed radioactive materials have been removed from the site. All signs and labels, excluding those in record books, were removed. The decommissioning efforts evaluated the potential for residual contamination relative to the TEDE of 25 mrem per year to the maximally exposed individual. The *MultiAgency Radiation Survey and Site Investigation Manual* (MARSSIM) methodology is the standard approach for decommissioning. Acceptable license termination screening values of common radionuclides for building surface contamination were published in

the Federal Register on November 18, 1998 (63 FR 64132) and later incorporated into NUREG-1757. In addition, the Health Physics Society created *American National Standard Surface and Volume Radioactivity Standards for Clearance* (ANSI/HPS N13.12-1999) providing general categories of screening levels for clearance that are more conservative than the NRC values. Based on these documents and according to our interpretation of NUREG-1757, a "simplified" MARSSIM methodology may be utilized in our case.

It is quite important to note that the entire facility has always kept contamination levels at a very low levels compared with MARSSIM Derived Concentration Guidance Levels (DCGLs) for surface contamination. Indeed, the action level for contamination of 200 dpm/100 cm² is far lower than the ANSI permitted values. Also, cleanliness in a hospital is particularly important so most areas are frequently cleaned which would also mitigate residual contamination levels quite effectively. Licensed radioactive materials were only used in inside the facility, as patients released from regulatory control under 10 CFR §35.75 are exempted from regulatory control and the all of the use was concentrated in Nuclear Medicine and the Nuclear Cardiology areas. Brachytherapy implants were done in the OR but this work utilized sealed sources and there was never a discrepancy in the physical inventory of these sources.

Facility History of Radioactive Material Usage

We investigated the history of radioactive use at Henry Ford Macomb Warren Hospital (HFMWH) through review of records and discussion with the staff. The facility originally opened in 1966. Based on our review there were three known uses: radiopharmaceutical therapy (§35.300 Use of unsealed byproduct material for which a written directive is required.); permanent brachytherapy (§35.400 Use of sources for manual brachytherapy); and Nuclear Medicine diagnosis (§35.100 Use of unsealed byproduct material for uptake, dilution, and excretion studies; and §35.200 Use of unsealed byproduct material for imaging and localization studies).

Permanent Brachytherapy

Permanent brachytherapy use was first approved on March 7, 2002. The only radioisotope ever used for this purpose was I-125. The only use was for permanent prostate brachytherapy implants. These brachytherapy sources were all leak tested prior to shipment to HFMWH and there was never any indication that any of these sources were leaking. A careful physical inventory of the brachytherapy seeds has always been maintained. None of the patients were treated as in-patients. All of the remaining seeds were sent to Advanced Care Medical (NRC license 06-30764-01) on February 14, 2012. Brachytherapy implants were done in the OR but post implant surveys were completed 100% of the time and no seeds were ever missing from the inventory. The receipt and storage location of the seeds was surveyed as described below. We conclude that none of this material remains at HFMWH.

The DCGL for I-125 is $6 * 10^5$ dpm/100 cm². While a contamination survey is really not necessary for the brachytherapy sealed sources, the contamination surveys of the brachytherapy storage locations are shown below (Attachment 2) and quite easily show compliance with the MARSSIM criteria.

Radiopharmaceutical Therapy

The only isotope used for radiopharmaceutical therapy was I-131 which was used for thyroid treatments and the occasional use of I-131 for diagnosis when I-123 faced shortages. Both the thyroid treatment and diagnosis administration were performed in the nuclear medicine radiopharmacy room. In recent years this use was limited to capsules. The last in-patient was treated on October 25, 2010. After this date the patient's room and the waste storage area were decommissioned.

The ANSI DCGL for I-131 is $6 * 10^4$ dpm/100 cm². The contamination surveys of the radioiodine therapy use and storage locations are shown below and easily show compliance with the MARSSIM criteria (Attachment 2).

Radionuclides related to Nuclear Medicine for Diagnosis

Sealed Sources Used to Support Diagnosis

Medical imaging used a variety of sealed sources. None of these sealed sources were ever found to be leaking. All of the remaining sealed sources were shipped to Henry Ford Hospital (NRC 21-04109-16) on April 4, 2012. The radioactive material inventory and a physical check of the normal storage locations showed that none of this material was present when the site closed. The areas of use were surveyed as described below.

Based on the isotopes used, the highest category for a DCGL for these surfaces has a surface screening level of $6 * 10^3$ dpm/100 cm². The contamination surveys of the brachytherapy storage locations are shown below and show compliance with this DCGL (Attachment 2).

Unsealed Radioactive Material Used in Imaging

This site always used doses prepared by a commercial pharmacy. The site has typically returned unused and expired doses. Consequently, inventory of the unsealed materials was relatively easy to verify. When the decommissioning process was initiated on April 3, 2012, the only remaining isotope was some Xe-133 which was shipped to Henry Ford Hospital for decay in storage.

Since the radionuclides used for imaging purposes are intended for human use, they are produced in high purity. Also, radionuclides used in diagnosis have relatively short half lives in order to limit dose to patients. The site usage was recently quite low and licensed radioactive materials were only used inside the facility and the use was

concentrated in Nuclear Medicine and the Nuclear Cardiology areas. The following unsealed isotopes were historically used at HFMWH: 1. Tc-99m (but not Mo-99); 2. In-111; 3. Tl-201; 4. Xe-133; 5. I-123; and 6. Ga-67. Below is a discussion of the decontamination process for each isotope separately:

Tc-99m Attributes

Tc-99m was the most commonly used material both in frequency and activity at this site. The site has not used Mo-99 generators at this site. Tc-99m has a half life of 6 hours. From a decommissioning standpoint this radioisotope essentially self decommissions in a matter of days. The final status survey measurements were made at a time after all of the Tc-99m would be for all practical purposes, absent. While not specifically listed in the ANSI or NRC references it is logical to categorize Tc-99m in the group of radioisotopes with the lowest level of significance (no β and very short half life). Therefore, the DCGL has a surface screening level of $6 * 10^5$ dpm/100 cm². Tc-99m is specifically used for imaging and consequently well suited for detection via surveys (90% of decays have a 140 keV photon). The contamination surveys are shown below and easily show compliance with the MARSSIM criteria (Attachment 2).

In-111 Attributes

In-111 has a half life of 2.8 days. It should be noted that at the date of this report, this material is for all practical purposes, absent. While not specifically listed in the ANSI or NRC references it is logical to categorize In-111 in the group of radioisotopes with the lowest level of significance. Therefore, the DCGL has a surface screening level of $6 * 10^5$ dpm/100 cm². In-111 is specifically used for imaging (94% of decays have 247 keV photon) and consequently well suited for detection via surveys. The contamination surveys are shown below and easily show compliance with the MARSSIM criteria (Attachment 2).

Tl-201 Attributes

Tl-201 has a half life of 74 hours. It should be noted that at the date of this report, this material is for all practical purposes, absent. While not specifically listed in the ANSI or NRC references it is logical to categorize Tl-201 in the group of radioisotopes with the lowest level of significance. Therefore, the DCGL has a surface screening level of $6 * 10^5$ dpm/100 cm². Tl-201 is specifically used for imaging (8% of decays have 167 keV photon) and consequently well suited for detection via surveys. The contamination surveys are shown below and easily show compliance with the MARSSIM criteria (Attachment 2).

Xe-133 Attributes

Xe-133 has a half life of 5.27 days. Xenon is a noble gas and is not considered to be a contamination risk. All of the Xe-133 waste was shipped to Henry Ford Hospital for decay in storage (Attachment 2).

I-123 Attributes

I-123 has a half life of 13.3 hours. Since this report was done more than 6 days after the last possible use of I-123 on April 4, 2012, this material is for all practical purposes, absent. While not specifically listed in the ANSI or NRC references it is logical to categorize I-123 in the group of radioisotopes with the lowest level of significance. Therefore, the DCGL has a surface screening level of $6 * 10^5$ dpm/100 cm². I-123 is specifically used for imaging and consequently well suited for detection via surveys (83% decays at 159 keV). The contamination surveys are shown below and easily show compliance with the MARSSIM criteria (Attachment 2).

Ga-67 Attributes

Ga-67 has a half life of 78 hours. It should be noted that at the date of this report, this material is for all practical purposes, absent. While not specifically listed in the ANSI or NRC references it is logical to categorize Ga-67 in the group of radioisotopes with the lowest level of significance. Therefore, the DCGL has a surface screening level of $6 * 10^5$ dpm/100 cm². Ga-67 is specifically used for imaging (94% of decays have 247 keV photon) and consequently well suited for detection via surveys. The contamination surveys are shown below and easily show compliance with the MARSSIM criteria (Attachment 2).

Radioimmunoassay

The use of Radioimmunoassay (RIA) kits is more difficult to ascertain since RIA kits can be purchased without a radioactive material license. We discussed this matter with the nuclear medicine and a pathology staff member who is the system expert in RIA. According to these individuals there was no known use of RIA or other generally license materials in the clinical laboratories. It is quite important to note that RIA kits contain miniscule amounts of radioactivity and relatively low specific activities. The vast majority of RIA utilizes I-125 which will be rendered non radioactive due to decay in a matter of a couple of years. Even if H-3 based RIA kits were used, these individual kits would contain less radioactivity than allowed by the NRC MARSSIM DCGL a typical 100 cm² wipe test sample area ($1.2 * 10^8$ dpm).

Isotope Summary

I-131 is the radioisotope of greatest potential concern due to the relatively long half life and relatively high radiotoxicity. Consequently, ensuring that the survey methodology is

adequate for I-131 is the most important consideration. I-131 is easily detected with any of the survey methods utilized. Certainly the μ R meter is sensitive to the photon emissions of I-131 (82% of decays have 364 keV photon). The well counter MDA is below the 200 dpm trigger limit for measurement of the wipe tests. Also, the pancake survey meter has excellent sensitivity to I-131 largely due to the energetic β particle emission (806 keV β max).

Survey Details

Exposure Rate Surveys

The exposure rate surveys were conducted with the Ludlum Model 19 "micro-R" meter #196093 (calibrated 8/11/11). None of the surveys found results in excess of the background of 10 μ R/h. While this instrument has showed lower background rates at other locations (10 μ R/h), this background level is clearly appropriate for this specific location.

Area Contamination Survey

Area contamination surveys were conducted using a Ludlum Model 3 survey meter #10826 with pancake probe 44-9 #PR107831 calibrated 8/25/11. The background for this instrument was 50 cpm.

The efficiency of detection for the longest lived material, I-131, is expected to be greater 5% for the pancake probe under field conditions (Steinmeyer, *RSO Magazine*, 1996 Personal measurements, etc.).

Wipe Testing

Wipe tests were counted using the following well counter and setup: Captus 3000 Serial Number CNV-520 (calibrated locally using rod sources). "Open window" or "full spectrum" counts were obtained. This machine provides results in dpm. The background of the samples was 393 cpm. This unit only displays numerical results when they exceeded the measurement sensitivity of the unit. The trigger value for this unit is 200 dpm. The wipe tests collected had a minimum wipe area of 100 cm².

Typically MARSSIM surveys utilize statistically based sampling techniques. Due to the low hazard potential, the minimum number of required survey points (14) are required for these areas (MARSSIM Table 5.5). Rather than establishing a grid of all the possible survey locations and using random number generator techniques to determine which areas should be surveyed, over-sampling accomplished via rate-meter based surveys was utilized (see discussion below). To augment the rate meter surveys each location was surveyed with more than 14 survey points. The specific survey information, by location, is described in below (Attachment 2). The single highest result obtained was 65 dpm/100 cm² which is well below the ANSI/MARSSIM criterion.

Survey Sensitivity Analysis

The MARSSIM method appears to strongly favor scalar based surveys partially due to the relative simplicity of the Minimum Detectable Level (MDL) determination. The wipe tests used a scaler type of counting but the other instruments are rate meter units. While not commonly recognized, rate meter based surveys have a demonstrable minimum detectable activity. In a rate-meter scan, MDA equations typically consider that the limiting factor to be the surveyor's ability to analyze the audible signals. For example, NUREG 5849 (CR-5849, ORAU-92/C57 *Manual for Conducting Radiological Surveys in Support of License Termination*) gives the following MDA formula:

$$MDA = 100R/EA$$

Where: R is the minimum discernable audible increase in count rate,
E is the detector efficiency(cpm/dpm)
A is the probe area in sq cm.

NUREG 5849 states "experience has shown that a 25 to 50% increase can be easily identifiable at ambient background levels of several thousand cpm (e.g. a NaI probe) whereas at ambient levels of a few counts per minute (e.g. ZnS) a two to three fold increase is required"

Thus, since the Ludlum Model 19 "micro-R" meter is a NaI based unit the minimum field sensitivity of this unit is 22.5 μ R/h.

The pancake Geiger surveys, with a background rate of 50 cpm, falls between these two criteria. In fact, a more specific rate meter MDA formula for pancake detectors should be used. For example, Bishop has suggested the following (Paul Frame, Personal Communication):

$$MDL = 100 B/EA$$

Where: B is the background count rate.

The assumption is that a doubled background can be detected over a one second period during which the detector is over the source (in other words a GM).

Thus, the MDL

$$MDL = 100 * 50 \text{ cpm} / (0.05 * 15.5 \text{ cm}^2)$$

$$MDL = 6,452 \text{ dpm}/100 \text{ cm}^2$$

While, the MDA value calculated is relatively high compared with conventional wisdom about the device sensitivity, and what can be achieved with scalar surveys, this value does not properly capture the true power of real-time surveying techniques. Vastly larger survey areas can be efficiently screened using rate meter surveys. Effectively, the entire site can be sampled. This eliminates the need for the complicated statistically based sampling selection techniques contained within the MARSSIM methodology. This feature of complete sampling, coupled with the fact that Nuclear Medicine departments typically do not possess scalar survey equipment, makes rate meter survey equipment the method of choice for decommissioning Nuclear Medicine facilities.

The action level that we used for the area contamination surveys is anything that exceeded the MDL (6452 dpm per 100 cm²).

ANSI/HPS N13.12-1999 (*Surface and Volume Radioactivity Standards for Clearance*) indicates that surface screening levels for I-131 is 60,000dpm/100 cm². NUREG 1757 establishes similarly high DCGL values. In fact, all of the DCGL values for any unsealed material used in the Nuclear Medicine unit are extremely high compared with the contamination limits in place for daily work. Regardless, based on the calculations above, it is clear that contamination surveys performed with a pancake survey meter demonstrate compliance with the DCGL levels and are sufficiently below those values to also meet ALARA considerations. Similarly substantially high values would be generated for commonly used imaging compounds if these nuclides could be present.

Survey Locations

A diagram of the closeout surveys conducted on April 3rd and 4th 2012 is included (Attachment 2). The diagram specifies the location of the wipe tests. The exposure rate and area contamination surveys cover the entire area of these locations. The focus of the surveys was in the nuclear cardiology area, the radiopharmacy room, the two camera rooms (Vertex and Forte) the hallway area outside of the nuclear medicine areas which also contains the Xe-133 trap and the well and probe counter. Roughly 32 man-hours of time were devoted to the on-site portion of the decommissioning (this does not include the time for planning and subsequent documentation). The survey was conducted by a registered Nuclear Medicine technologist and a certified Health Physicist. Each of these individuals has more than 20 years of experience using radiation survey equipment.

Survey Results Summary

No results were found above the actions levels. Effectively, the survey team surveyed all of the possible previous locations of use rather than a statistical sample. We do not believe that bias can affect a choice of survey locations when the entire area is sampled in such a complete manner. This is precisely where rate-meter based surveys are particularly powerful. Real-time measurements of extremely large areas can be easily conducted. No contaminated items or area were found in the rooms or the immediately adjacent areas. All of the room surfaces were surveyed. All of the wipes showed readings much less than 10% of the ANSI/HPS N13.12-1999 surface screening levels (all of the wipes readings were less than 200 dpm per 100 cm²). Clearly the average reading, which is important in the MARSSIM system, is much lower than 200 dpm per 100 cm². All the wipe results were much less than 25% of the ANSI/HPS N13.12-1999 (*Surface and Volume Radioactivity Standards for Clearance*), which indicates that surface screening levels for I-131 is 60,000 dpm per 100 cm². Thus, the surveys and wipe testing shows confirmation my initial contention that release of this facility to the general public will appropriately limit public doses to less than 25 mrem per year and the measurements are consistent with the ALARA principle.

License Change Requested

We hope that you have found this decommissioning to be acceptable. We have the highest confidence that these areas are safe and appropriately decommissioned and hope that my documentation of these surveys allows you to confidently arrive at the same conclusion.

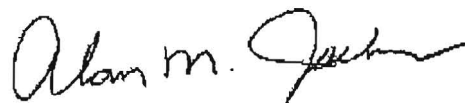
Please terminate the Henry Ford Macomb Warren Hospital NRC license (NRC License No. 21-04082-01).

Please feel free to contact Alan Jackson at (313) 916-2739, (313) 916-7329 (FAX) or AlanJ@rad.hfh.edu if you have any questions.

Sincerely,



Donald Peck, PhD, DABR
Radiation Safety Officer



Alan M. Jackson, MS, CHP
Senior Health Physicist

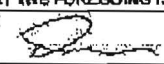
cc: Radiation Safety Committee

Attachments (2)

Filename: NRC Terminate HFMWH 4-12.doc

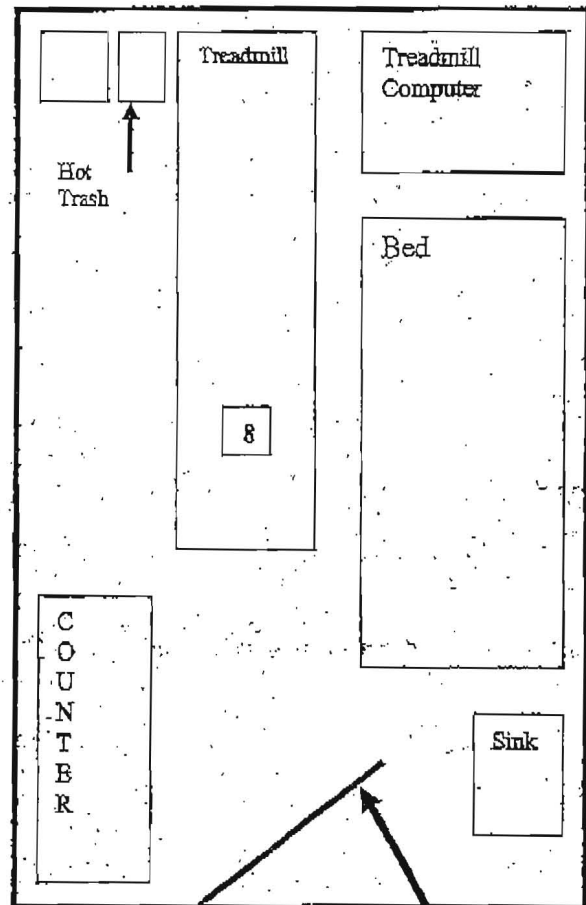
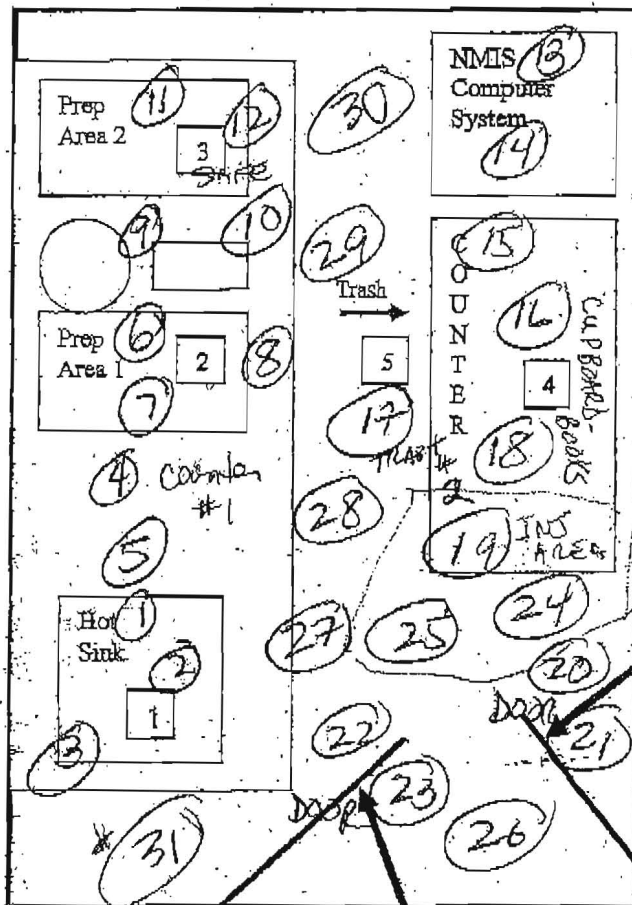
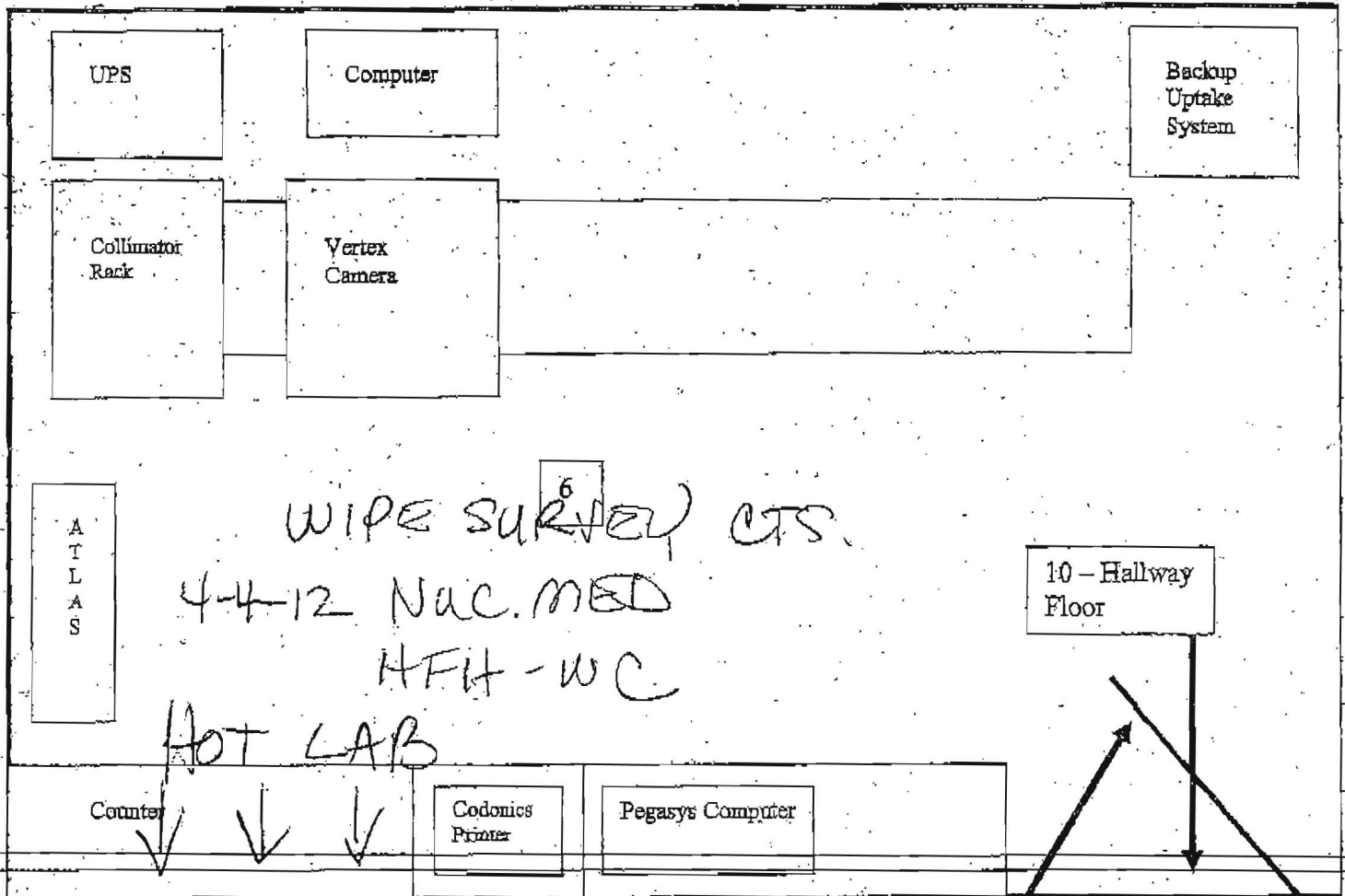
Attachment 1

NRC Form 314: Certificate of Disposition of Materials

NRC FORM 314 (1-2012) 10 CFR 39.38(a)(1); 40.42(a)(1); 70.26(a)(1); and 72.54(a)(1)(i)		U.S. NUCLEAR REGULATORY COMMISSION		APPROVED BY OMB: NO. 2160-0838		EXPIRES: 10/31/2015	
CERTIFICATE OF DISPOSITION OF MATERIALS							
LICENSEE NAME AND ADDRESS Henry Ford Macomb-Warren Hospital 1355 East Ten Mile Road Warren, MI 48089				LICENSE NUMBER 21-04082-01		DOC KEY NUMBER 030-02042	
				LICENSE EXPIRATION DATE October 31, 2015			
A. LICENSE STATUS (Check the appropriate box) <input type="checkbox"/> This license has expired. <input checked="" type="checkbox"/> This license has not yet expired; please terminate it.							
B. DISPOSAL OF RADIOACTIVE MATERIAL <i>(Check the appropriate boxes and complete as necessary. If additional space is needed, provide attachments)</i> The licensee, or any individual executing this certificate on behalf of the licensee, certifies that:							
<input type="checkbox"/> 1. No radioactive materials have ever been procured or possessed by the licensee under this license.							
<input checked="" type="checkbox"/> 2. All activities authorized by this license have ceased, and all radioactive materials procured and/or possessed by the licensee under this license number cited above have been disposed of in the following manner.							
<input checked="" type="checkbox"/> a. Transfer of radioactive materials to the licensee listed below: 21-04109-16 Henry Ford Hospital on April 3, 2012. This license is part of the same health system and has the same RSO.							
<input type="checkbox"/> b. Disposal of radioactive materials:							
<input type="checkbox"/> 1. Directly by the licensee:							
<input type="checkbox"/> 2. By licensed disposal site:							
<input type="checkbox"/> 3. By waste contractor:							
<input checked="" type="checkbox"/> c. All radioactive materials have been removed such that any remaining residual radioactivity is within the limits of 10 CFR Part 20, Subpart E, and is ALARA.							
C. SURVEYS PERFORMED AND REPORTED							
<input checked="" type="checkbox"/> 1. A radiation survey was conducted by the licensee. The survey confirms:							
<input checked="" type="checkbox"/> a. the absence of licensed radioactive materials							
<input checked="" type="checkbox"/> b. that any remaining residual radioactivity is within the limits of 10 CFR 20, Subpart E, and is ALARA.							
<input checked="" type="checkbox"/> 2. A copy of the radiation survey results:							
<input checked="" type="checkbox"/> a. is attached; or <input type="checkbox"/> b. is not attached (Provide explanation); or <input type="checkbox"/> c. was forwarded to NRC on: _____ Date: _____							
<input type="checkbox"/> 3. A radiation survey is not required as only sealed sources were ever possessed under this license, and							
<input type="checkbox"/> a. The results of the latest leak test are attached; and/or <input type="checkbox"/> b. No leaking sources have ever been identified.							
The person to be contacted regarding the information provided on this form:							
NAME Alan M. Jackson, MS, CHP		TITLE Senior Health Physicist		TELEPHONE (include Area Code) (313) 916-2739		E-MAIL ADDRESS alanmj@md.hfh.edu	
Mail all future correspondence regarding this license to: Alan Jackson, Radiation Safety Office, Henry Ford Hospital, 2799 West Grand Boulevard, Detroit, MI 48202							
C. CERTIFYING OFFICIAL I CERTIFY UNDER PENALTY OF PERJURY THAT THE FOREGOING IS TRUE AND CORRECT							
PRINTED NAME AND TITLE Donald Peck, PhD, DABR Vice Chair Diagnostic Physics				SIGNATURE 		DATE April 17, 2012	
WARNING: FALSE STATEMENTS IN THIS CERTIFICATE MAY BE SUBJECT TO CIVIL AND/OR CRIMINAL PENALTIES. NRC REGULATIONS REQUIRE THAT SUBMISSIONS TO THE NRC BE COMPLETE AND ACCURATE IN ALL MATERIAL RESPECT. 18 U.S.C. SECTION 1001 MAKES IT A CRIMINAL OFFENSE TO MAKE A WILLFULLY FALSE STATEMENT OR REPRESENTATION TO ANY DEPARTMENT OR AGENCY OF THE UNITED STATES AS TO ANY MATTER WITHIN ITS JURISDICTION.							
NRC FORM 314 (1-2012)							

Attachment 2
Radiation Survey Details

Please note that this sections contains the raw counting data as collected during the survey without additional polish.

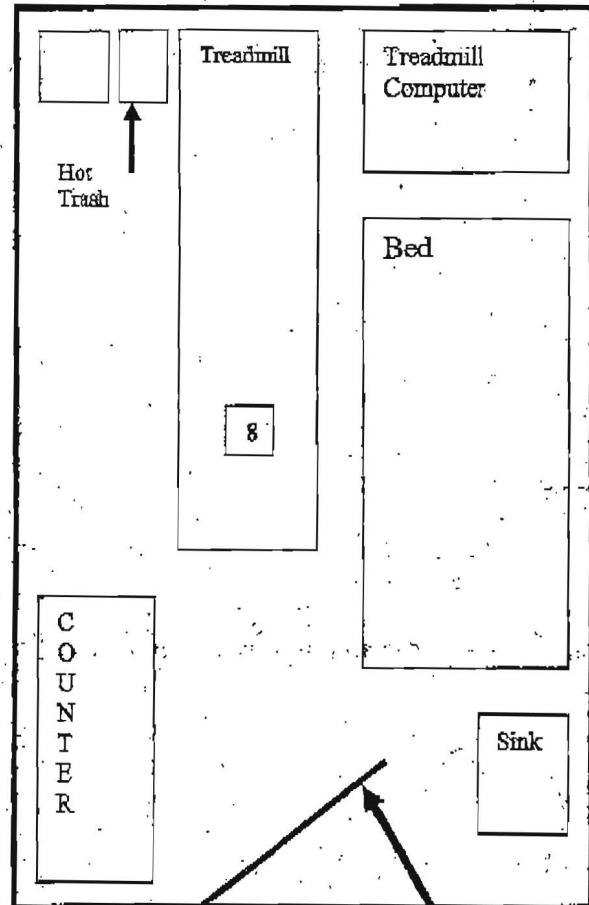
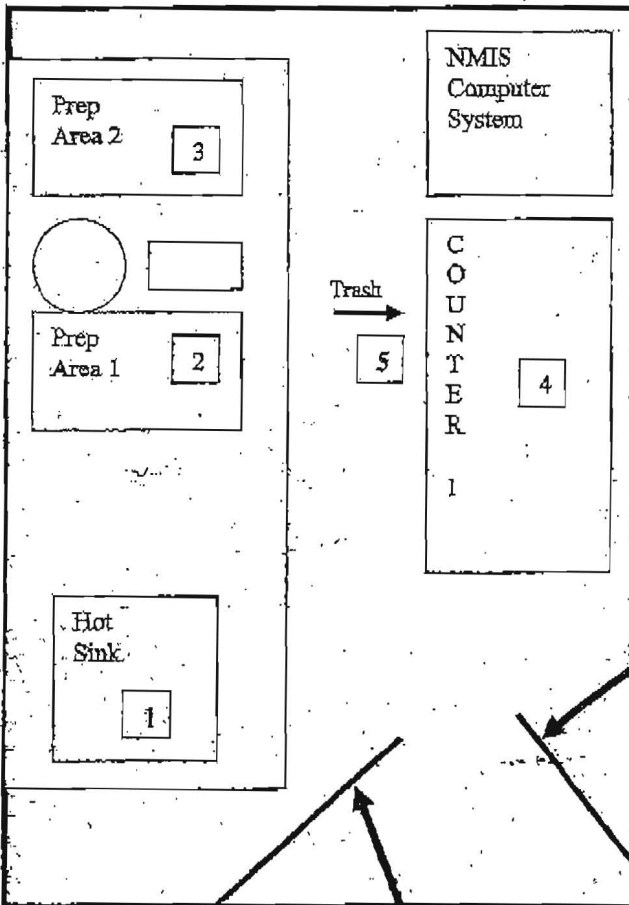
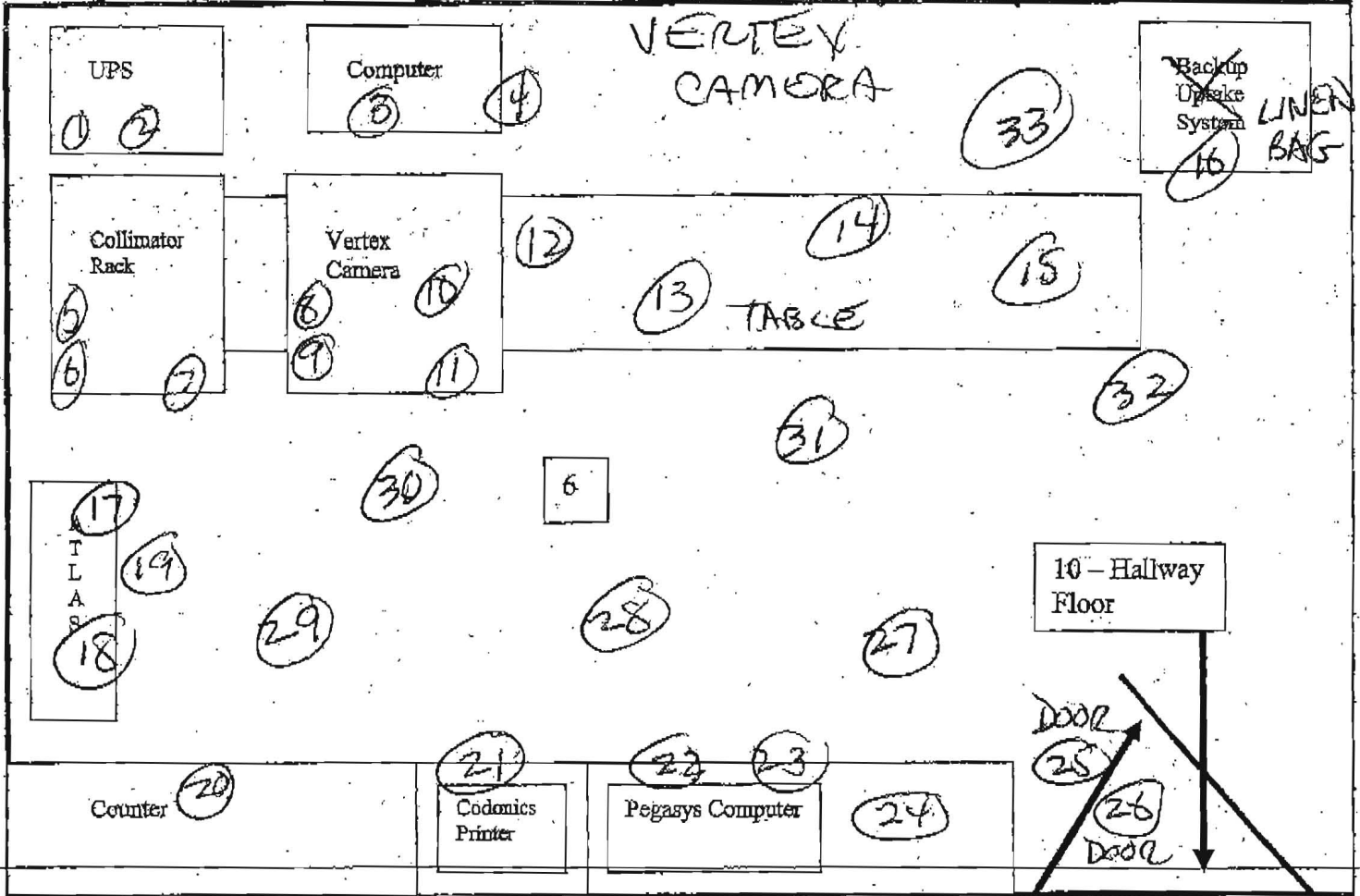


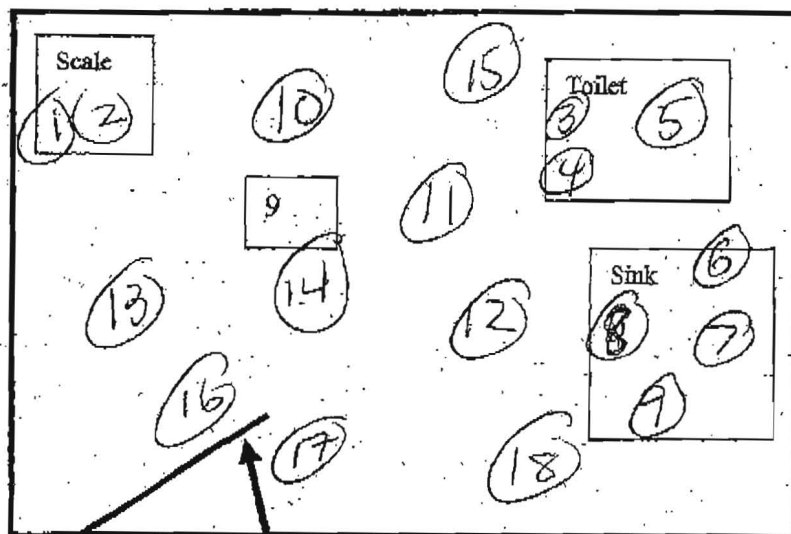
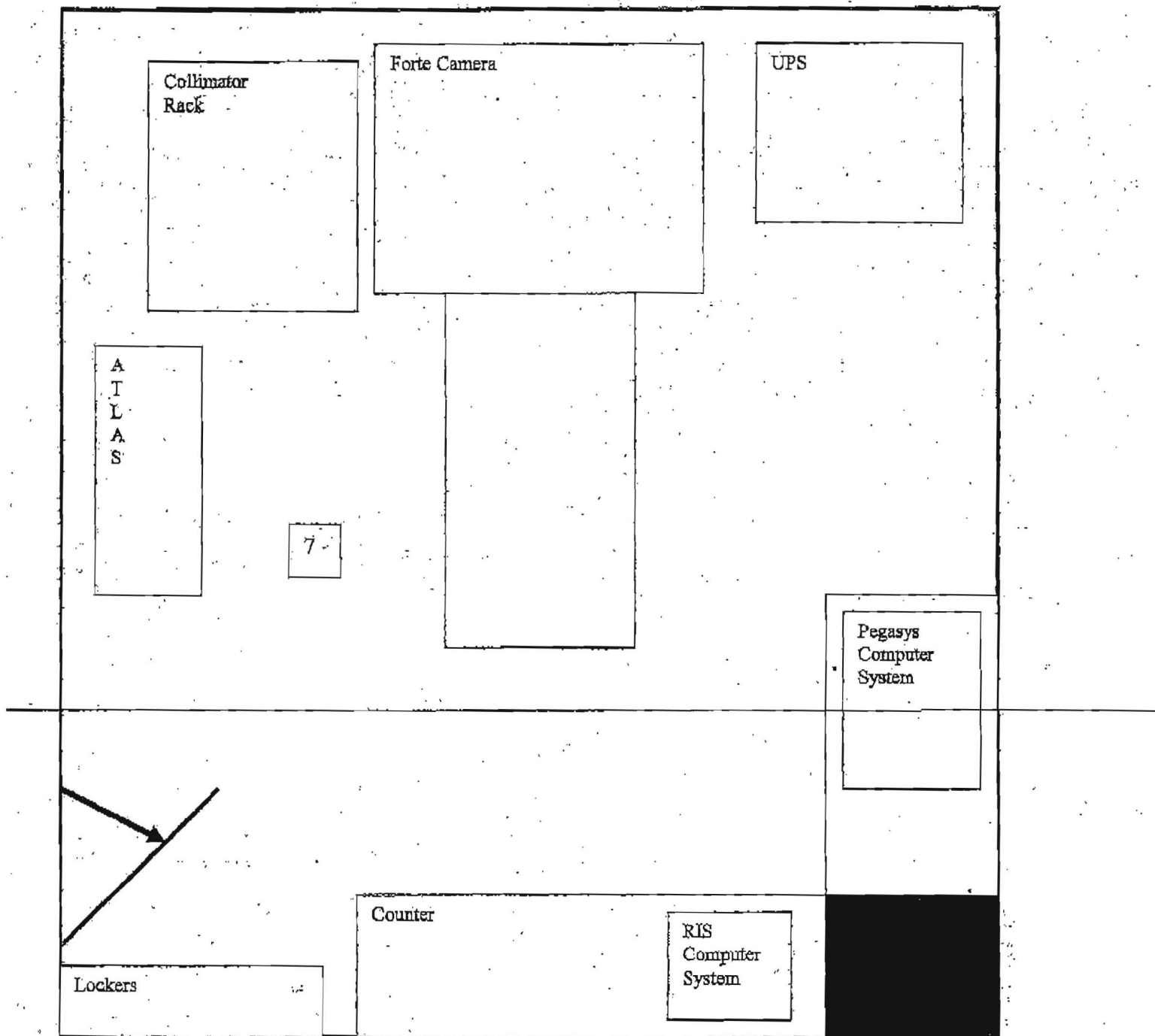
		Net Counting Rate		Net Activity	
PACKAGE	⑧	Background Full Spectrum	04/04/2012 13:56 377.0 cpm	60 sec	Trigger: 200 dpm
		-27.00 cpm		0.000 dpm	
PACKAGE	⑦	Background Full Spectrum	04/04/2012 13:55 377.0 cpm	60 sec	Trigger: 200 dpm
		-28.00 cpm		0.000 dpm	
PACKAGE	⑥	Background Full Spectrum	04/04/2012 13:54 377.0 cpm	60 sec	Trigger: 200 dpm
		-4.000 cpm		0.000 dpm	
PACKAGE	⑤	Background Full Spectrum	04/04/2012 13:53 377.0 cpm	60 sec	Trigger: 200 dpm
		3.000 cpm		4.615 dpm	
PACKAGE	④	Background Full Spectrum	04/04/2012 13:51 377.0 cpm	60 sec	Trigger: 200 dpm
		-48.00 cpm		0.000 dpm	
PACKAGE	③	Background Full Spectrum	04/04/2012 13:50 377.0 cpm	60 sec	Trigger: 200 dpm
		6.000 cpm		9.231 dpm	
PACKAGE	②	Background Full Spectrum	04/04/2012 13:49 377.0 cpm	60 sec	Trigger: 200 dpm
		-24.00 cpm		0.000 dpm	
PACKAGE	①	Background Full Spectrum	04/04/2012 13:47 377.0 cpm	60 sec	Trigger: 200 dpm
		22.00 cpm		33.85 dpm	

		Net Counting Rate		Net Activity	
PACKAGE	(20)	Background Full Spectrum	-24.00 cpm	04/04/2012 14:12 377.0 cpm	60 sec Trigger: 200 dpm 0.000 dpm
PACKAGE	(19)	Background Full Spectrum	4.000 cpm	04/04/2012 14:11 377.0 cpm	60 sec Trigger: 200 dpm 6.154 dpm
PACKAGE	(18)	Background Full Spectrum	9.000 cpm	04/04/2012 14:10 377.0 cpm	60 sec Trigger: 200 dpm 13.85 dpm
PACKAGE	(17)	Background Full Spectrum	-1.000 cpm	04/04/2012 14:08 377.0 cpm	60 sec Trigger: 200 dpm 0.000 dpm
PACKAGE	(16)	Background Full Spectrum	8.000 cpm	04/04/2012 14:07 377.0 cpm	60 sec Trigger: 200 dpm 12.31 dpm
PACKAGE	(15)	Background Full Spectrum	-2.000 cpm	04/04/2012 14:06 377.0 cpm	60 sec Trigger: 200 dpm 0.000 dpm
PACKAGE	(14)	Background Full Spectrum	29.00 cpm	04/04/2012 14:05 377.0 cpm	60 sec Trigger: 200 dpm 44.62 dpm
PACKAGE	(13)	Background Full Spectrum	-37.00 cpm	04/04/2012 14:03 377.0 cpm	60 sec Trigger: 200 dpm 0.000 dpm
PACKAGE	(12)	Background Full Spectrum	22.00 cpm	04/04/2012 14:02 377.0 cpm	60 sec Trigger: 200 dpm 33.85 dpm
PACKAGE	(11)	Background Full Spectrum	-25.00 cpm	04/04/2012 14:00 377.0 cpm	60 sec Trigger: 200 dpm 0.000 dpm
PACKAGE	(10)	Background Full Spectrum	-4.000 cpm	04/04/2012 13:59 377.0 cpm	60 sec Trigger: 200 dpm 0.000 dpm
PACKAGE	(9)	Background Full Spectrum	-10.00 cpm	04/04/2012 13:58 377.0 cpm	60 sec Trigger: 200 dpm 0.000 dpm

Selected Wipes

		Net Counting Rate	Net Activity
PACKAGE	(31) Background Full Spectrum	04/04/2012 14:26 377.0 cpm 12.00 cpm	60 sec Trigger: 200 dpm 18.46 dpm
PACKAGE	(30) Background Full Spectrum	04/04/2012 14:25 377.0 cpm -15.00 cpm	60 sec Trigger: 200 dpm 0.000 dpm
PACKAGE	(29) Background Full Spectrum	04/04/2012 14:24 377.0 cpm -39.00 cpm	60 sec Trigger: 200 dpm 0.000 dpm
PACKAGE	(28) Background Full Spectrum	04/04/2012 14:23 377.0 cpm 26.00 cpm	60 sec Trigger: 200 dpm 40.00 dpm
PACKAGE	(27) Background Full Spectrum	04/04/2012 14:21 377.0 cpm -39.00 cpm	60 sec Trigger: 200 dpm 0.000 dpm
PACKAGE	(26) Background Full Spectrum	04/04/2012 14:20 377.0 cpm -38.00 cpm	60 sec Trigger: 200 dpm 0.000 dpm
PACKAGE	(25) Background Full Spectrum	04/04/2012 14:19 377.0 cpm -33.00 cpm	60 sec Trigger: 200 dpm 0.000 dpm
PACKAGE	(24) Background Full Spectrum	04/04/2012 14:18 377.0 cpm -9.000 cpm	60 sec Trigger: 200 dpm 0.000 dpm
PACKAGE	(23) Background Full Spectrum	04/04/2012 14:16 377.0 cpm -7.000 cpm	60 sec Trigger: 200 dpm 0.000 dpm
PACKAGE	(22) Background Full Spectrum	04/04/2012 14:15 377.0 cpm 42.00 cpm	60 sec Trigger: 200 dpm 64.62 dpm
PACKAGE	(21) Background Full Spectrum	04/04/2012 14:13 377.0 cpm -15.00 cpm	60 sec Trigger: 200 dpm 0.000 dpm

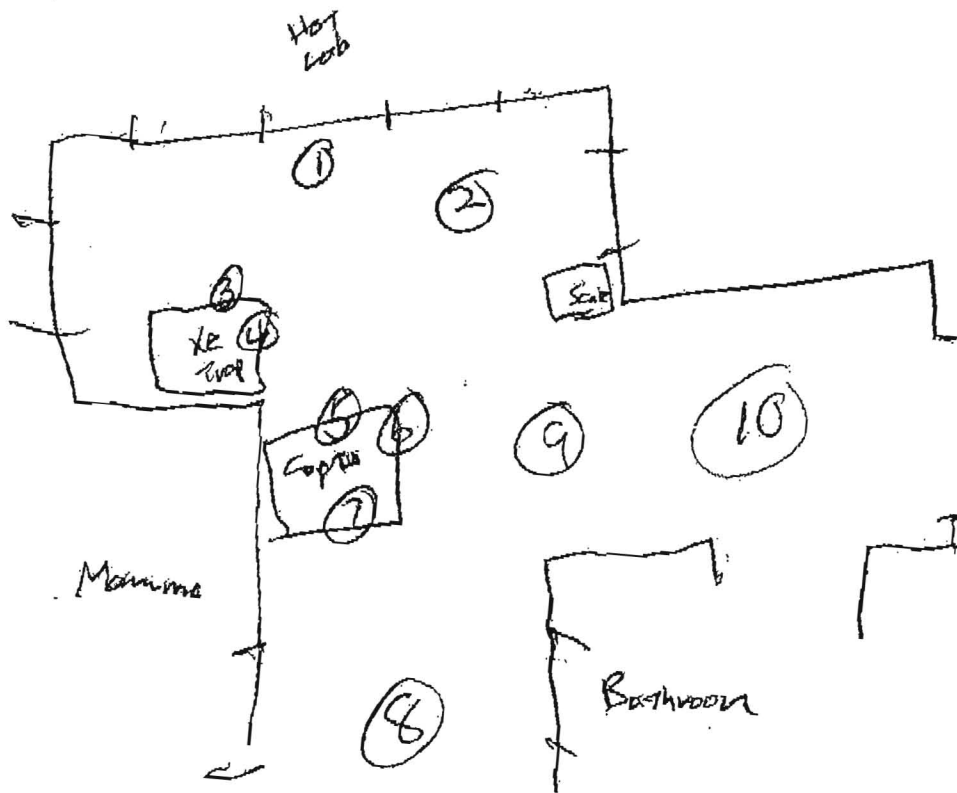




RESTROOM
 NUC. MED
 4-4-12
 HFF. WC

Hallway

4-4-12



		Net Counting Rate		Net Activity	
PACKAGE	(12)		04/04/2012 12:10 377.0 cpm	60 sec	Trigger: 200 dpm
		Background Full Spectrum	-4.000 cpm	0.000 dpm	
PACKAGE	(11)		04/04/2012 12:07 377.0 cpm	60 sec	Trigger: 200 dpm
		Background Full Spectrum	-8.000 cpm	0.000 dpm	
PACKAGE	(10)		04/04/2012 12:06 377.0 cpm	60 sec	Trigger: 200 dpm
		Background Full Spectrum	-25.00 cpm	0.000 dpm	
PACKAGE	(9)		04/04/2012 12:05 377.0 cpm	60 sec	Trigger: 200 dpm
		Background Full Spectrum	-42.00 cpm	0.000 dpm	
PACKAGE	(8)		04/04/2012 12:01 377.0 cpm	60 sec	Trigger: 200 dpm
		Background Full Spectrum	-7.000 cpm	0.000 dpm	
PACKAGE	(7)		04/04/2012 12:00 377.0 cpm	60 sec	Trigger: 200 dpm
		Background Full Spectrum	-4.000 cpm	0.000 dpm	
PACKAGE	(6)		04/04/2012 11:59 377.0 cpm	60 sec	Trigger: 200 dpm
		Background Full Spectrum	-4.000 cpm	0.000 dpm	
PACKAGE	(5)		04/04/2012 11:58 377.0 cpm	60 sec	Trigger: 200 dpm
		Background Full Spectrum	-12.00 cpm	0.000 dpm	
PACKAGE	(4)		04/04/2012 11:57 377.0 cpm	60 sec	Trigger: 200 dpm
		Background Full Spectrum	12.00 cpm	18.46 dpm	
PACKAGE	(3)		04/04/2012 11:55 377.0 cpm	60 sec	Trigger: 200 dpm
		Background Full Spectrum	-20.00 cpm	0.000 dpm	
PACKAGE	(2)		04/04/2012 11:52 377.0 cpm	60 sec	Trigger: 200 dpm
		Background Full Spectrum	-8.000 cpm	0.000 dpm	
PACKAGE	(1)		04/04/2012 11:18 377.0 cpm	60 sec	Trigger: 200 dpm
		Background Full Spectrum	-16.00 cpm	0.000 dpm	

		Net Counting Rate		Net Activity	
PACKAGE	(24)		04/04/2012 12:29 377.0 cpm	60 sec	Trigger: 200 dpm
		Background Full Spectrum	-33.00 cpm	0.000 dpm	
PACKAGE	(23)		04/04/2012 12:27 377.0 cpm	60 sec	Trigger: 200 dpm
		Background Full Spectrum	-11.00 cpm	0.000 dpm	
PACKAGE	(22)		04/04/2012 12:26 377.0 cpm	60 sec	Trigger: 200 dpm
		Background Full Spectrum	-13.00 cpm	0.000 dpm	
PACKAGE	(21)		04/04/2012 12:23 377.0 cpm	60 sec	Trigger: 200 dpm
		Background Full Spectrum	11.00 cpm	16.92 dpm	
PACKAGE	(20)		04/04/2012 12:22 377.0 cpm	60 sec	Trigger: 200 dpm
		Background Full Spectrum	-13.00 cpm	0.000 dpm	
PACKAGE	(19)		04/04/2012 12:20 377.0 cpm	60 sec	Trigger: 200 dpm
		Background Full Spectrum	19.00 cpm	29.23 dpm	
PACKAGE	(18)		04/04/2012 12:19 377.0 cpm	60 sec	Trigger: 200 dpm
		Background Full Spectrum	-36.00 cpm	0.000 dpm	
PACKAGE	(17)		04/04/2012 12:18 377.0 cpm	60 sec	Trigger: 200 dpm
		Background Full Spectrum	-64.00 cpm	0.000 dpm	
PACKAGE	(16)		04/04/2012 12:17 377.0 cpm	60 sec	Trigger: 200 dpm
		Background Full Spectrum	28.00 cpm	43.08 dpm	
PACKAGE	(15)		04/04/2012 12:15 377.0 cpm	60 sec	Trigger: 200 dpm
		Background Full Spectrum	-56.00 cpm	0.000 dpm	
PACKAGE	(14)		04/04/2012 12:13 377.0 cpm	60 sec	Trigger: 200 dpm
		Background Full Spectrum	-10.00 cpm	0.000 dpm	
PACKAGE	(13)		04/04/2012 12:11 377.0 cpm	60 sec	Trigger: 200 dpm
		Background Full Spectrum	30.00 cpm	46.15 dpm	

		Net Counting Rate		Net Activity
PACKAGE (3)	Background Full Spectrum	04/04/2012 13:00 377.0 cpm	60 sec	Trigger: 200 dpm
		-30.00 cpm		0.000 dpm
PACKAGE (2)	Background Full Spectrum	04/04/2012 12:57 377.0 cpm	60 sec	Trigger: 200 dpm
		-48.00 cpm		0.000 dpm
PACKAGE (1)	Background Full Spectrum	04/04/2012 12:55 377.0 cpm	60 sec	Trigger: 200 dpm
		-13.00 cpm		0.000 dpm
PACKAGE (33)	Background Full Spectrum	04/04/2012 12:54 377.0 cpm	60 sec	Trigger: 200 dpm
		-22.00 cpm		0.000 dpm
PACKAGE (32)	Background Full Spectrum	04/04/2012 12:53 377.0 cpm	60 sec	Trigger: 200 dpm
		-17.00 cpm		0.000 dpm
PACKAGE (31)	Background Full Spectrum	04/04/2012 12:39 377.0 cpm	60 sec	Trigger: 200 dpm
		-25.00 cpm		0.000 dpm
PACKAGE (30)	Background Full Spectrum	04/04/2012 12:37 377.0 cpm	60 sec	Trigger: 200 dpm
		-14.00 cpm		0.000 dpm
PACKAGE (29)	Background Full Spectrum	04/04/2012 12:36 377.0 cpm	60 sec	Trigger: 200 dpm
		-1.000 cpm		0.000 dpm
PACKAGE (28)	Background Full Spectrum	04/04/2012 12:34 377.0 cpm	60 sec	Trigger: 200 dpm
		2.000 cpm		3.077 dpm
PACKAGE (27)	Background Full Spectrum	04/04/2012 12:33 377.0 cpm	60 sec	Trigger: 200 dpm
		-13.00 cpm		0.000 dpm
PACKAGE (26)	Background Full Spectrum	04/04/2012 12:32 377.0 cpm	60 sec	Trigger: 200 dpm
		-2.000 cpm		0.000 dpm
PACKAGE (25)	Background Full Spectrum	04/04/2012 12:30 377.0 cpm	60 sec	Trigger: 200 dpm
		19.00 cpm		29.23 dpm

			Net Counting Rate		Net Activity
PACKAGE	15	Background Full Spectrum	04/04/2012 13:21 377.0 cpm -7.000 cpm	60 sec	Trigger: 200 dpm 0.000 dpm
PACKAGE	14	Background Full Spectrum	04/04/2012 13:20 377.0 cpm 1.000 cpm	60 sec	Trigger: 200 dpm 1.538 dpm
PACKAGE	13	Background Full Spectrum	04/04/2012 13:18 377.0 cpm -20.00 cpm	60 sec	Trigger: 200 dpm 0.000 dpm
PACKAGE	12	Background Full Spectrum	04/04/2012 13:17 377.0 cpm -45.00 cpm	60 sec	Trigger: 200 dpm 0.000 dpm
PACKAGE	11	Background Full Spectrum	04/04/2012 13:15 377.0 cpm -14.00 cpm	60 sec	Trigger: 200 dpm 0.000 dpm
PACKAGE	10	Background Full Spectrum	04/04/2012 13:14 377.0 cpm -8.000 cpm	60 sec	Trigger: 200 dpm 0.000 dpm
PACKAGE	9	Background Full Spectrum	04/04/2012 13:13 377.0 cpm -40.00 cpm	60 sec	Trigger: 200 dpm 0.000 dpm
PACKAGE	8	Background Full Spectrum	04/04/2012 13:11 377.0 cpm -8.000 cpm	60 sec	Trigger: 200 dpm 0.000 dpm
PACKAGE	7	Background Full Spectrum	04/04/2012 13:10 377.0 cpm -26.00 cpm	60 sec	Trigger: 200 dpm 0.000 dpm
PACKAGE	6	Background Full Spectrum	04/04/2012 13:04 377.0 cpm -63.00 cpm	60 sec	Trigger: 200 dpm 0.000 dpm
PACKAGE	5	Background Full Spectrum	04/04/2012 13:03 377.0 cpm 28.00 cpm	60 sec	Trigger: 200 dpm 43.08 dpm
PACKAGE	4	Background Full Spectrum	04/04/2012 13:01 377.0 cpm -29.00 cpm	60 sec	Trigger: 200 dpm 0.000 dpm

Selected Wipes

		Net Counting Rate	Net Activity
PACKAGE 2010	Background Full Spectrum	04/04/2012 13:38 377.0 cpm -3.000 cpm	60 sec Trigger: 200 dpm 0.000 dpm
PACKAGE 7	Background Full Spectrum	04/04/2012 13:37 377.0 cpm -38.00 cpm	60 sec Trigger: 200 dpm 0.000 dpm
PACKAGE 6	Background Full Spectrum	04/04/2012 13:35 377.0 cpm -43.00 cpm	60 sec Trigger: 200 dpm 0.000 dpm
PACKAGE 5	Background Full Spectrum	04/04/2012 13:34 377.0 cpm -20.00 cpm	60 sec Trigger: 200 dpm 0.000 dpm
PACKAGE 4	Background Full Spectrum	04/04/2012 13:33 377.0 cpm -14.00 cpm	60 sec Trigger: 200 dpm 0.000 dpm
PACKAGE 3	Background Full Spectrum	04/04/2012 13:32 377.0 cpm 10.00 cpm	60 sec Trigger: 200 dpm 15.38 dpm
PACKAGE 2	Background Full Spectrum	04/04/2012 13:30 377.0 cpm -22.00 cpm	60 sec Trigger: 200 dpm 0.000 dpm
PACKAGE 1	Background Full Spectrum	04/04/2012 13:29 377.0 cpm 8.000 cpm	60 sec Trigger: 200 dpm 12.31 dpm
PACKAGE 18	Background Full Spectrum	04/04/2012 13:28 377.0 cpm -7.000 cpm	60 sec Trigger: 200 dpm 0.000 dpm
PACKAGE 17	Background Full Spectrum	04/04/2012 13:24 377.0 cpm 0.000 cpm	60 sec Trigger: 200 dpm 0.000 dpm
PACKAGE 16	Background Full Spectrum	04/04/2012 13:22 377.0 cpm -36.00 cpm	60 sec Trigger: 200 dpm 0.000 dpm

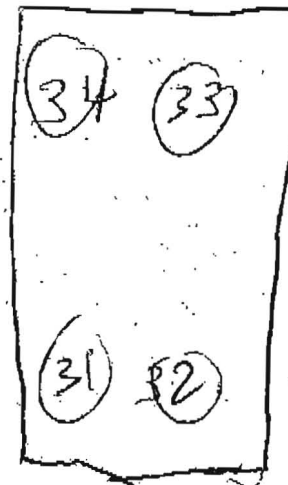
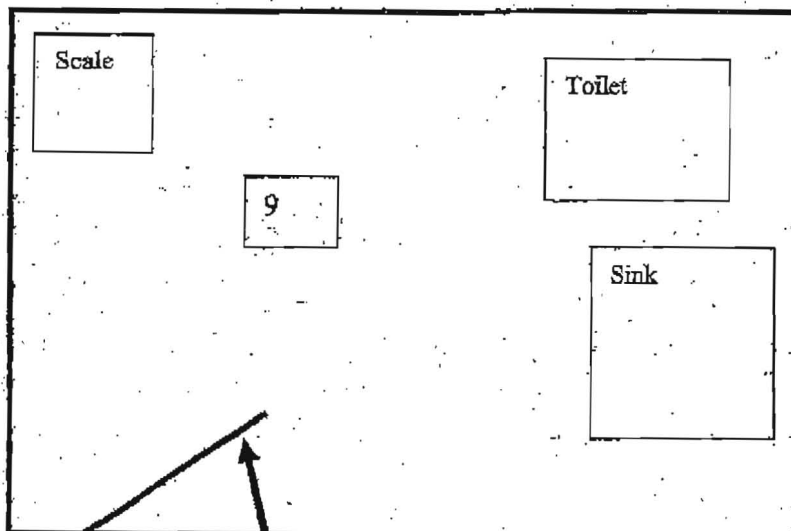
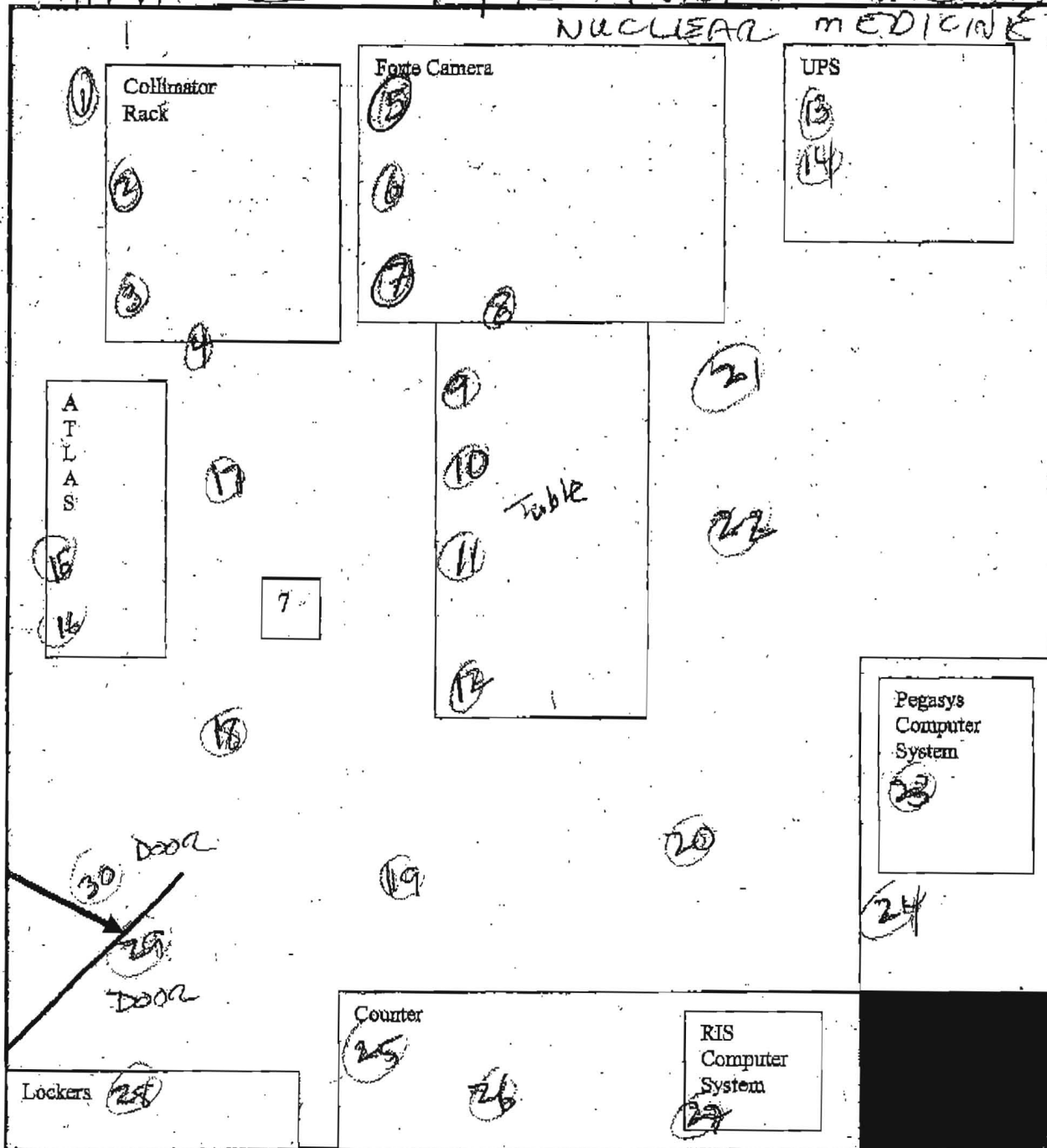
HALLWAY, UP to the park
 the non-trap

RESTROOM
 (cont)

17 FT x 17 FT

4-4-12 FORTE CAM UNIT ROOM

NUCLEAR MEDICINE



Sped

		Net Counting Rate	Net Activity
PACKAGE	(11) Background Full Spectrum	04/04/2012 10:45 377.0 cpm -26.00 cpm	60 sec Trigger: 200 dpm 0.000 dpm
PACKAGE	(10) Background Full Spectrum	04/04/2012 10:44 377.0 cpm -35.00 cpm	60 sec Trigger: 200 dpm 0.000 dpm
PACKAGE	(9) Background Full Spectrum	04/04/2012 10:43 377.0 cpm -29.00 cpm	60 sec Trigger: 200 dpm 0.000 dpm
PACKAGE	(8) Background Full Spectrum	04/04/2012 10:41 377.0 cpm -36.00 cpm	60 sec Trigger: 200 dpm 0.000 dpm
PACKAGE	(7) Background Full Spectrum	04/04/2012 10:40 377.0 cpm 7.000 cpm	60 sec Trigger: 200 dpm 10.77 dpm
PACKAGE	(6) Background Full Spectrum	04/04/2012 10:38 377.0 cpm 13.00 cpm	60 sec Trigger: 200 dpm 20.00 dpm
PACKAGE	(5) Background Full Spectrum	04/04/2012 10:37 377.0 cpm -13.00 cpm	60 sec Trigger: 200 dpm 0.000 dpm
PACKAGE	(4) Background Full Spectrum	04/04/2012 10:35 377.0 cpm -32.00 cpm	60 sec Trigger: 200 dpm 0.000 dpm
PACKAGE	(3) Background Full Spectrum	04/04/2012 10:34 377.0 cpm -19.00 cpm	60 sec Trigger: 200 dpm 0.000 dpm
PACKAGE	(2) Background Full Spectrum	04/04/2012 10:32 377.0 cpm -26.00 cpm	60 sec Trigger: 200 dpm 0.000 dpm
PACKAGE	(1) Background Full Spectrum	04/04/2012 10:29 377.0 cpm -3.000 cpm	60 sec Trigger: 200 dpm 0.000 dpm

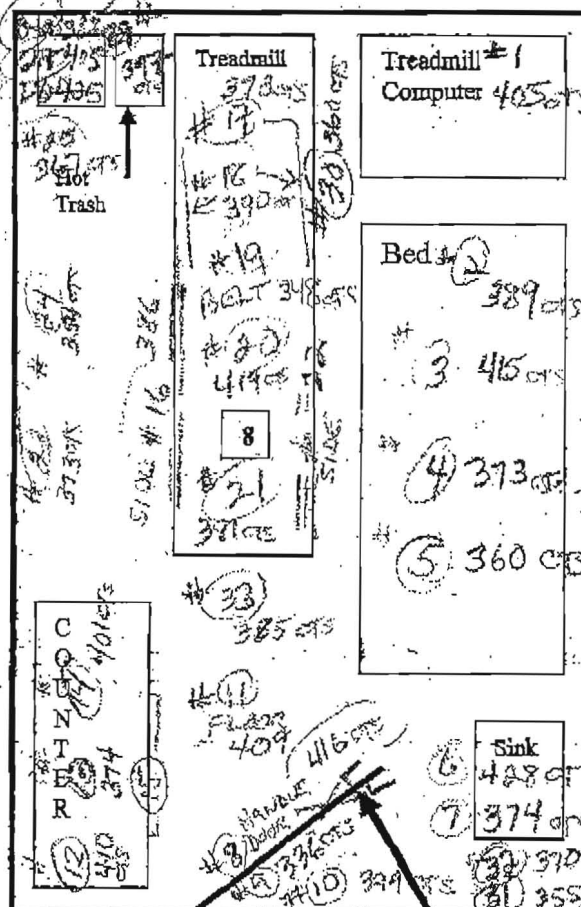
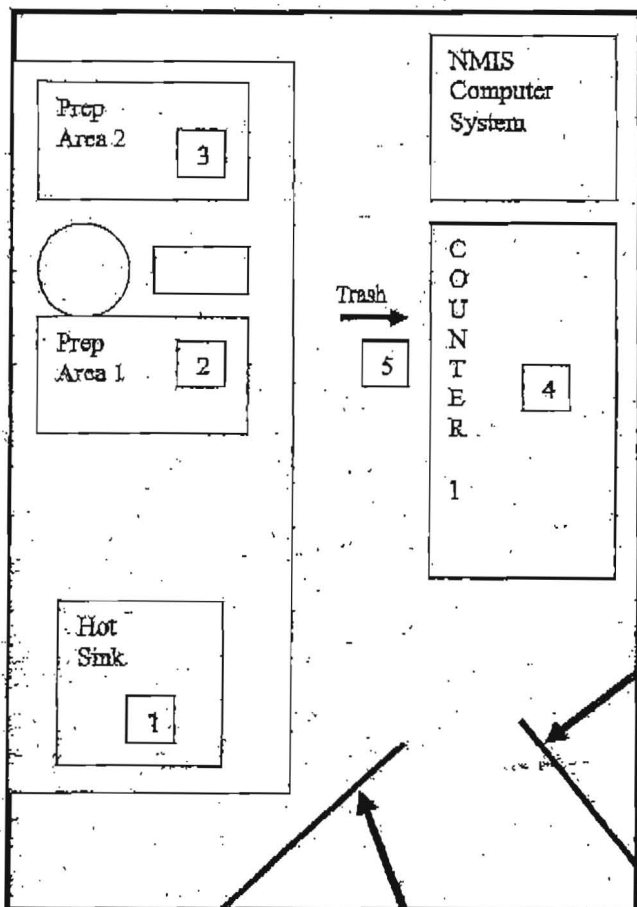
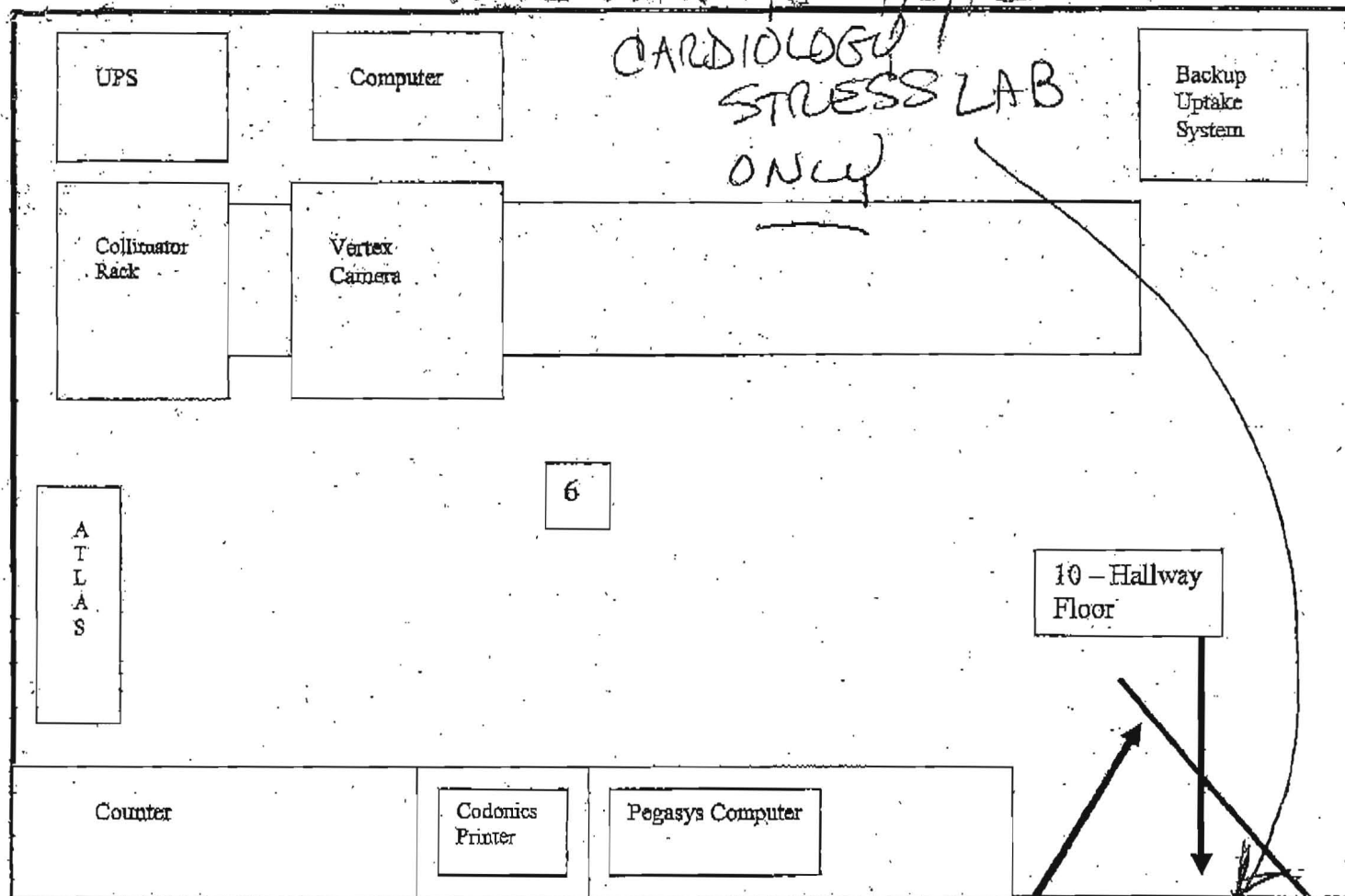
		Net Counting Rate		Net Activity	
PACKAGE	(23)	Background Full Spectrum	-4.000 cpm	04/04/2012 11:03 377.0 cpm	60 sec Trigger: 200 dpm 0.000 dpm
PACKAGE	(22)	Background Full Spectrum	-37.00 cpm	04/04/2012 11:01 377.0 cpm	60 sec Trigger: 200 dpm 0.000 dpm
PACKAGE	(21)	Background Full Spectrum	-23.00 cpm	04/04/2012 11:00 377.0 cpm	60 sec Trigger: 200 dpm 0.000 dpm
PACKAGE	(20)	Background Full Spectrum	-23.00 cpm	04/04/2012 10:58 377.0 cpm	60 sec Trigger: 200 dpm 0.000 dpm
PACKAGE	(19)	Background Full Spectrum	23.00 cpm	04/04/2012 10:57 377.0 cpm	60 sec Trigger: 200 dpm 35.38 dpm
PACKAGE	(18)	Background Full Spectrum	20.00 cpm	04/04/2012 10:55 377.0 cpm	60 sec Trigger: 200 dpm 30.77 dpm
PACKAGE	(17)	Background Full Spectrum	-10.00 cpm	04/04/2012 10:54 377.0 cpm	60 sec Trigger: 200 dpm 0.000 dpm
PACKAGE	(16)	Background Full Spectrum	-36.00 cpm	04/04/2012 10:52 377.0 cpm	60 sec Trigger: 200 dpm 0.000 dpm
PACKAGE	(15)	Background Full Spectrum	-33.00 cpm	04/04/2012 10:51 377.0 cpm	60 sec Trigger: 200 dpm 0.000 dpm
PACKAGE	(14)	Background Full Spectrum	-39.00 cpm	04/04/2012 10:49 377.0 cpm	60 sec Trigger: 200 dpm 0.000 dpm
PACKAGE	(13)	Background Full Spectrum	18.00 cpm	04/04/2012 10:48 377.0 cpm	60 sec Trigger: 200 dpm 27.69 dpm
PACKAGE	(12)	Background Full Spectrum	-1.000 cpm	04/04/2012 10:46 377.0 cpm	60 sec Trigger: 200 dpm 0.000 dpm

Today's Wipes

Net
Counting Rate

Net
Activity

PACKAGE	(34)	Background Full Spectrum	-16.00 cpm	04/04/2012 11:18 377.0 cpm	60 sec	Trigger: 200 dpm
PACKAGE	(33)	Background Full Spectrum	-33.00 cpm	04/04/2012 11:17 377.0 cpm	60 sec	Trigger: 200 dpm
PACKAGE	(32)	Background Full Spectrum	-44.00 cpm	04/04/2012 11:16 377.0 cpm	60 sec	Trigger: 200 dpm
PACKAGE	(31)	Background Full Spectrum	-27.00 cpm	04/04/2012 11:15 377.0 cpm	60 sec	Trigger: 200 dpm
PACKAGE	(30)	Background Full Spectrum	-19.00 cpm	04/04/2012 11:12 377.0 cpm	60 sec	Trigger: 200 dpm
PACKAGE	(29)	Background Full Spectrum	5.000 cpm	04/04/2012 11:11 377.0 cpm	60 sec	Trigger: 200 dpm
PACKAGE	(28)	Background Full Spectrum	-36.00 cpm	04/04/2012 11:10 377.0 cpm	60 sec	Trigger: 200 dpm
PACKAGE	(27)	Background Full Spectrum	-9.000 cpm	04/04/2012 11:08 377.0 cpm	60 sec	Trigger: 200 dpm
PACKAGE	(26)	Background Full Spectrum	11.00 cpm	04/04/2012 11:07 377.0 cpm	60 sec	Trigger: 200 dpm
PACKAGE	(25)	Background Full Spectrum	11.00 cpm	04/04/2012 11:05 377.0 cpm	60 sec	Trigger: 200 dpm
PACKAGE	(24)	Background Full Spectrum	6.000 cpm	04/04/2012 11:04 377.0 cpm	60 sec	Trigger: 200 dpm



Selected Wipes

		Net Counting Rate	Net Activity
PACKAGE ③	Background Full Spectrum	22.00 cpm	33.85 dpm
		04/03/2012 14:08 393.0 cpm	60 sec Trigger: 200 dpm
PACKAGE ②	Background Full Spectrum	-4.000 cpm	0.000 dpm
		04/03/2012 14:07 393.0 cpm	60 sec Trigger: 200 dpm
PACKAGE ①	Background Full Spectrum	12.00 cpm	18.46 dpm
		04/03/2012 14:02 393.0 cpm	60 sec Trigger: 200 dpm

Bkg = 393

		Net Counting Rate	Net Activity	
PACKAGE	(11)	Background Full Spectrum	04/03/2012 14:37 393.0 cpm	60 sec Trigger: 200 dpm
		16.00 cpm	24.62 dpm	
PACKAGE	(10)	Background Full Spectrum	04/03/2012 14:35 393.0 cpm	60 sec Trigger: 200 dpm
		6.000 cpm	9.231 dpm	
PACKAGE	(9)	Background Full Spectrum	04/03/2012 14:33 393.0 cpm	60 sec Trigger: 200 dpm
		-57.00 cpm	0.000 dpm	
PACKAGE	(8)	Background Full Spectrum	04/03/2012 14:31 393.0 cpm	60 sec Trigger: 200 dpm
		23.00 cpm	35.38 dpm	
PACKAGE	(7)	Background Full Spectrum	04/03/2012 14:17 393.0 cpm	60 sec Trigger: 200 dpm
		-19.00 cpm	0.000 dpm	
PACKAGE	(6)	Background Full Spectrum	04/03/2012 14:16 393.0 cpm	60 sec Trigger: 200 dpm
		35.00 cpm	53.85 dpm	
PACKAGE	(5)	Background Full Spectrum	04/03/2012 14:11 393.0 cpm	60 sec Trigger: 200 dpm
		-33.00 cpm	0.000 dpm	
PACKAGE	(4)	Background Full Spectrum	04/03/2012 14:09 393.0 cpm	60 sec Trigger: 200 dpm
		-20.00 cpm	0.000 dpm	

		Net Counting Rate		Net Activity	
PACKAGE	(23)		04/03/2012 15:03	60 sec	Trigger: 200 dpm
	Background		393.0 cpm		
	Full Spectrum	-39.00 cpm		0.000 dpm	
PACKAGE	(22)		04/03/2012 15:00	60 sec	Trigger: 200 dpm
	Background		393.0 cpm		
	Full Spectrum	-20.00 cpm		0.000 dpm	
PACKAGE	(21)		04/03/2012 14:58	60 sec	Trigger: 200 dpm
	Background		393.0 cpm		
	Full Spectrum	-12.00 cpm		0.000 dpm	
PACKAGE	(20)		04/03/2012 14:54	60 sec	Trigger: 200 dpm
	Background		393.0 cpm		
	Full Spectrum	26.00 cpm		40.00 dpm	
PACKAGE	(19)		04/03/2012 14:53	60 sec	Trigger: 200 dpm
	Background		393.0 cpm		
	Full Spectrum	-45.00 cpm		0.000 dpm	
PACKAGE	(18)		04/03/2012 14:51	60 sec	Trigger: 200 dpm
	Background		393.0 cpm		
	Full Spectrum	-3.000 cpm		0.000 dpm	
PACKAGE	(17)		04/03/2012 14:49	60 sec	Trigger: 200 dpm
	Background		393.0 cpm		
	Full Spectrum	-20.00 cpm		0.000 dpm	
PACKAGE	(16)		04/03/2012 14:47	60 sec	Trigger: 200 dpm
	Background		393.0 cpm		
	Full Spectrum	-7.000 cpm		0.000 dpm	
PACKAGE	(15)		04/03/2012 14:44	60 sec	Trigger: 200 dpm
	Background		393.0 cpm		
	Full Spectrum	-14.00 cpm		0.000 dpm	
PACKAGE	(14)		04/03/2012 14:42	60 sec	Trigger: 200 dpm
	Background		393.0 cpm		
	Full Spectrum	8.000 cpm		12.31 dpm	
PACKAGE	(13)		04/03/2012 14:41	60 sec	Trigger: 200 dpm
	Background		393.0 cpm		
	Full Spectrum	-19.00 cpm		0.000 dpm	
PACKAGE	(12)		04/03/2012 14:40	60 sec	Trigger: 200 dpm
	Background		393.0 cpm		
	Full Spectrum	17.00 cpm		26.15 dpm	

**Radiology**2799 West Grand Boulevard
Detroit, MI. 48202**Radiation Safety Office #** (313) 916-7042**Radiation Safety Fax #** (313) 916-7329**Henry Ford Hospital
Henry Ford Medical Group**

Facsimile Transmittal

To: NRC Region III **Facility:** Materials Licensing (Karen)
Phone: (630) **Fax:** (630) 515-1078
From: Alan M. Jackson **Dept:** Radiation Safety Office
Phone: (313) 916-2739 **Fax:** (313) 916-7329 8456
Pages: 32 **Date:** 5/2/12

☐ Urgent ☒ For Review ☐ Per your request ☐ Please Reply

• Comments:

Decommissioning of Henry Ford Macomb-Warren
Hospital.

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