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SAFETY REVIEW REPORT (SRR)

DRG 2: 005

TITLE: FINAL RADIOLOGICAL SURVEY OF BUILDING 005

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ABSTRACT

A comprehensive radiological survey of Building 005 and its surrounding area at the SSFL was performed in 1987. In accordance with that survey report's recommendation, remedial efforts were undertaken to remove residual radioactively contaminated components from the Building 005 structure, grounds, and attic. After the decontamination efforts were completed, a comprehensive final survey of Building 005 and its surrounding area was performed to demonstrate regulatory compliance for release without radiological restrictions.

Results of the surveys demonstrate that Building 005 and its surrounding area meet the requirements of DOE, NRC and State of California requirements for releasing Building 005 without radiological controls.

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1.0 INTRODUCTION

Decontamination and decommissioning (D&D) of a number of formerly used nuclear facilities and sites is underway at Rockwell International's Santa Susana Field Laboratories (SSFL). During D&D of these facilities, reasonable efforts are being made to eliminate or reduce residual radioactive contamination to levels that are as low as reasonably achievable (ALARA). Upon completion of D&D, radiological surveys are performed, under established protocols to determine that any remaining radioactivity does not exceed applicable regulatory limits. Findings from the surveys are also used to perform additional D&D or radiological investigations, as needed. The scope of the surveys includes both known and suspected areas of contamination.

In accordance with a broad radiological survey plan for the SSFL (Reference 1), a comprehensive radiological survey of Building 005 and its surrounding area was performed in 1987 (Reference 2). Results of that survey showed four areas contaminated at levels above release limits adopted by DOE, NRC, and State of California: (1) Room 113; (2) Room 110; (3) remaining R/A exhaust ducts; and (4) two R/A exhaust filter plenums. As recommended in the survey report, remedial efforts to remove all residual contamination were undertaken per Reference 3 and 4. Reference 3 also identified six underground drain lines running from the Northeast corner of Building 005 to a below grade R/A holdup tank area. The two tanks had been previously removed and the area was backfilled with soil. The decontamination and decommissioning of Building 005 was completed from March 1992 through May 1993. The final survey of Building 005 included all areas in which decontamination efforts were undertaken, had the possibility of spreading contamination, and re-surveyed those areas which were not extensively surveyed per Reference 2. This report is organized as follows: first, the summary of the results of the survey and the conclusions and recommendations; second, the background information concerning past radiological status, D&D efforts and current radiological status; third, the survey results and the technical approach used in the data collection, analyses and limit criteria; last, the supporting documentation and calculations for historical records and report completeness.

2.0 SUMMARY AND CONCLUSIONS

A comprehensive radiological survey of Building 005 was performed. Building 005 was used by Atomics International under contract to the AEC to fabricate uranium carbide fuel in the late 1960s. Radioactive material, equipment, and contamination were removed in several decommissioning and decontamination (D&D) phases spanning over a decade. Portions of Building 005 were released for unrestricted use in 1987 (Reference 2) and the remaining radioactive material equipment and contamination were characterized. A final D&D phase was completed and all radioactive material, equipment, and contamination were removed and disposed of as radioactive waste. The final survey of Building 005 divided the interior and exterior into 8 areas or sample lots. As applicable, each sample lot was surveyed using the "sample inspection by variables" method for total alpha and beta, removable alpha and beta, and ambient gamma exposure. The raw data measurements of the survey were analyzed, plotted on a cumulative probability distribution graph and compared to the established, applicable residual radioactive contamination limits imposed by DOE, NRC, and the State of California.

In accordance with the ETEC Environmental Restoration Program Management Plan (Reference 4), the Radiological Survey Plan for SSFL (Reference 1), and the Building 005 Decontamination and Decommission Operations Plan (Reference 3), the final radiological survey of Buildings 005, 049, and the adjacent yards was performed. Based on the results of the survey and the results of the 1987 Chapman Survey (Reference 2), Buildings 005, 049, and its adjacent yards are acceptably free of radioactive contamination resulting from the UCPFF operations and the decommissioning and decontamination efforts that followed. Results from all sample lots demonstrate that all residual radioactive contamination are less than prescribed by DOE, NRC, and State of California regulatory limits, and that the Building 005 final survey corresponds to assuring with a 90% confidence that 90% of Buildings 005, 049, and its adjacent yards have residual contamination below 100% (a 90/90/100 test of the applicable limits. This report recommends that Buildings 005, 049, and its adjacent yards be released for unrestricted use (i.e., released without radiological restrictions).

3.0 BACKGROUND

3.1 Location

Building 005 is located with Rockwell International's Santa Susana Field Laboratories (SSFL) in the Simi Hills of Southeastern Ventura County, California, adjacent to the Los Angeles County Line and approximately 29 miles northwest of downtown Los Angeles, directly south of the City of Simi Valley. Location of the SSFL relative to Los Angeles and vicinities is shown in Figure 1. An enlarged map of neighboring SSFL communities is shown in Figure 2. Figure 3 is a plot plan of the western portion of SSFL known as Area IV, where Building 005 is located. A drawing (plan view) of Building 005 and its adjoining areas is shown in Figure 4. Building 005 is not located on the Government-optioned land and is Rockwell owned.

3.2 Topography and Building Characteristics

Building 005 is centrally located in Area IV and is bordered on the north by "B" Street and the southwest by "17th" Street. The entire facility including Building 049, Building 793, and the previously remediated Old Coal Yard is surrounded by a fence. Several rock outcroppings to the north and southeast corner the perimeters. Building 005 and the surrounding area is approximately 20 ft in elevation below "B" Street. Surface drainage is to the southwest of the facility. Figure 5 demonstrates the surface drainage pathways for Building 005. The fenced-in area surrounding the building was paved with asphalt around 1973.

Building 005 is a tilt-up concrete structure with Butler aluminum siding and a few windows, 80 ft long (running north to south), and 60 ft wide. Various concrete pads exist around the east of the building which held various equipment from the Molten Salt Oxidation project and the R/A filter plenums. The building is divided into a small administration area, change rooms, chemistry laboratories, storage rooms, and a large high-bay area. During its use as the Uranium Carbide Pilot Fuel Facility, the building was a radiologically controlled access area. The administration area entry was uncontrolled. The remaining areas were controlled of which one part required protective clothing. Figure 6 demonstrates this division.

The building is constructed of non-combustible materials on a concrete slab floor with most sections covered by 9-in. polyvinyl floor tile. Following the completion of the fuel fabrication program in 1967, contaminated equipment was removed and the surface decontaminated to permit non-radiological use of the building. Subsequently, the radioactive floor drains and the bulk of the radioactive system exhaust ducts were removed from inside the building to permit non-radiological use of the building. At this point, a facility radioactive survey was conducted per Reference 2. The survey concluded that several areas of the building were radiologically clean and additional decontamination work needed to be performed on other areas. Reference 3 outlined the scope of work to complete all decontamination and demolition efforts required at Building 005 and to proceed with the final survey of Building 005 and the surrounding areas.

3.3 Operating History

Building 005 was build in the late 1950's for testing thermodynamic characteristics of proposed coolants for the Organic Moderated Reactor Experiment (OMRE) and Piqua reactors. These projects did not involve the use of radioactive materials. During the mid to late 1960's, the facility was converted to fabricate enriched uranium carbide fuel for the Atomic

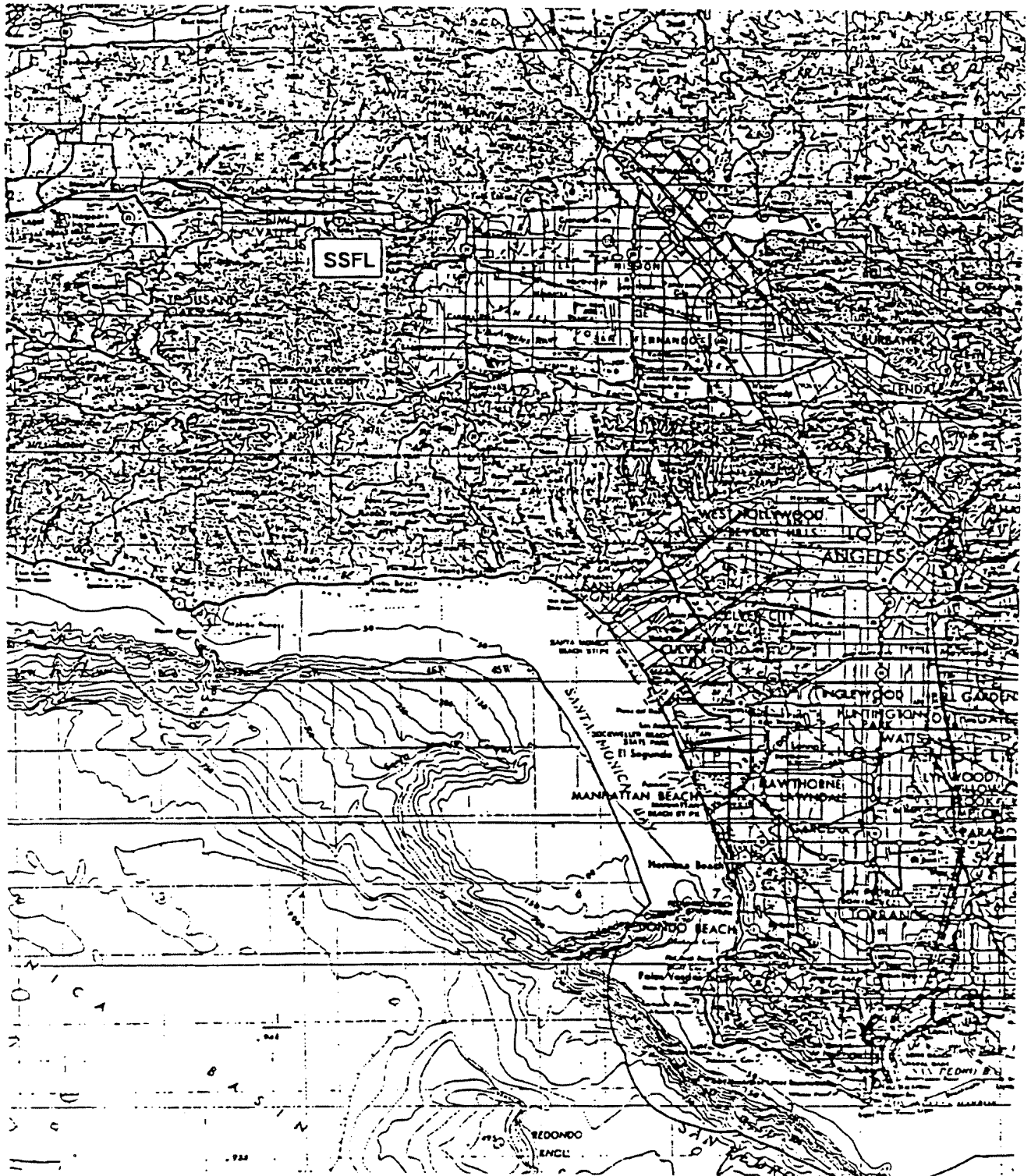


Figure 1. Location of SSFL to Los Angeles and Vicinities

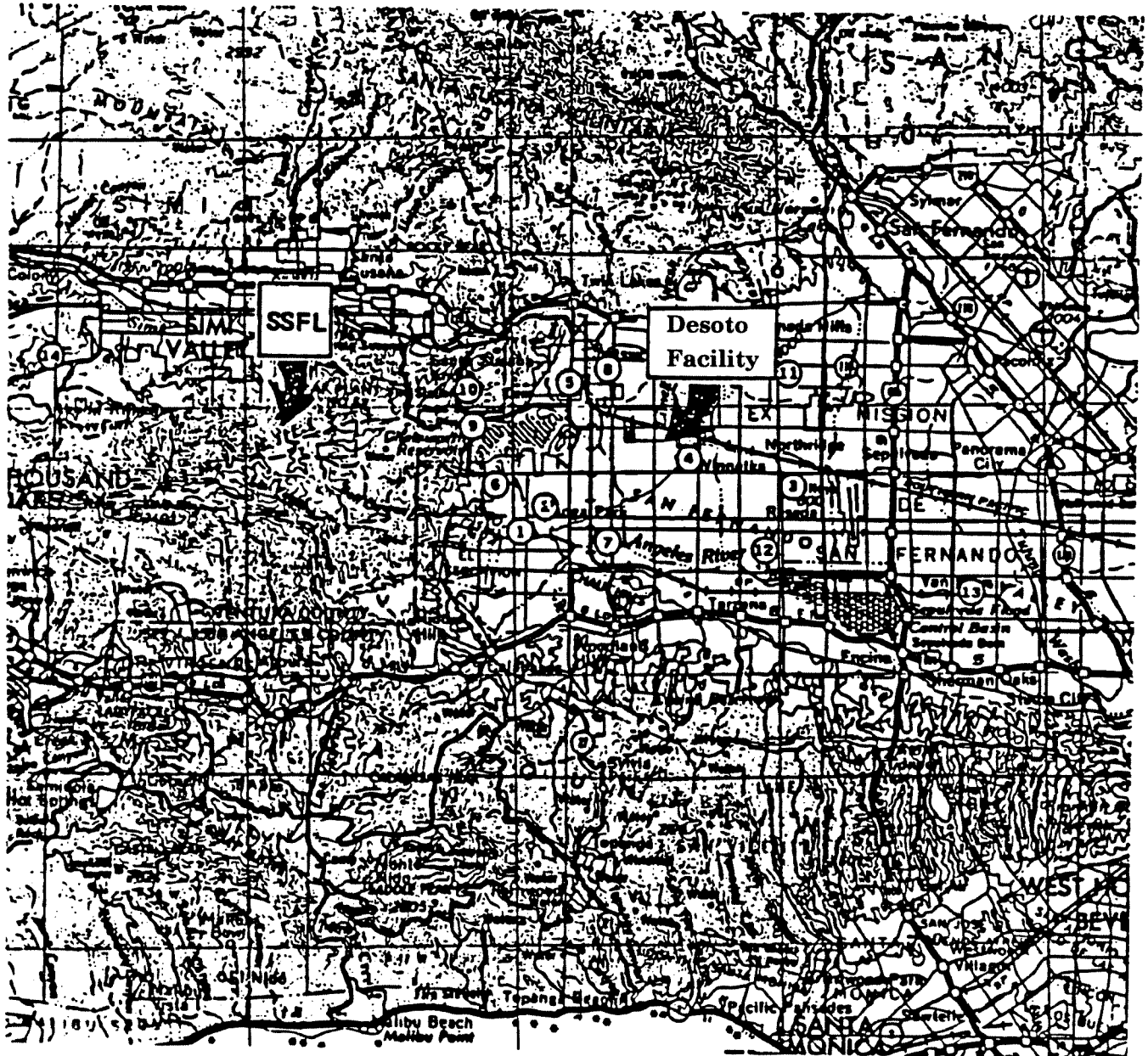


Figure 2. Neighboring SSFL Communities

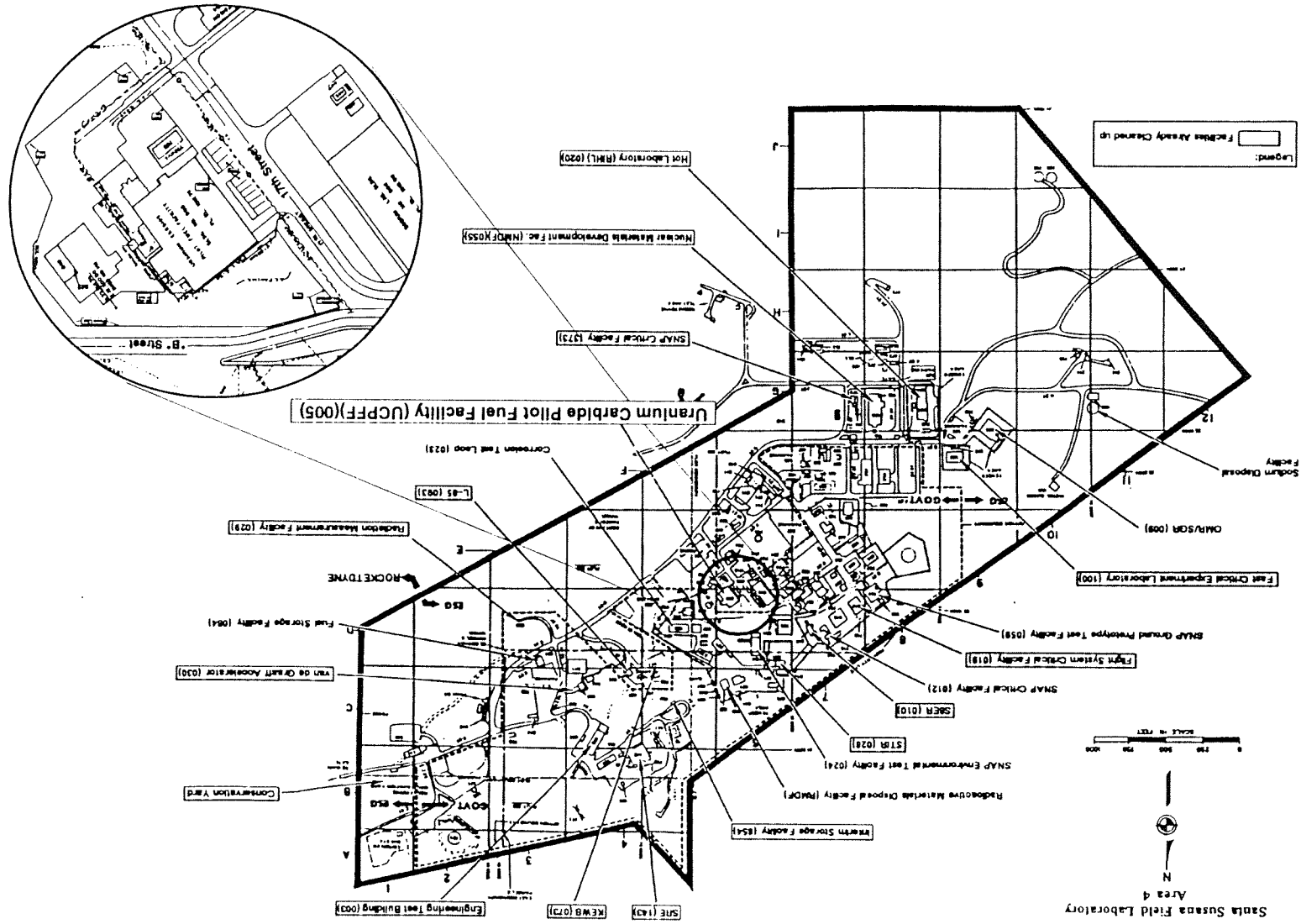
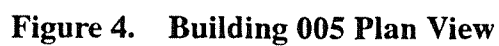


Figure 3. Santa Susana Field Laboratory (SSFL) Area IV



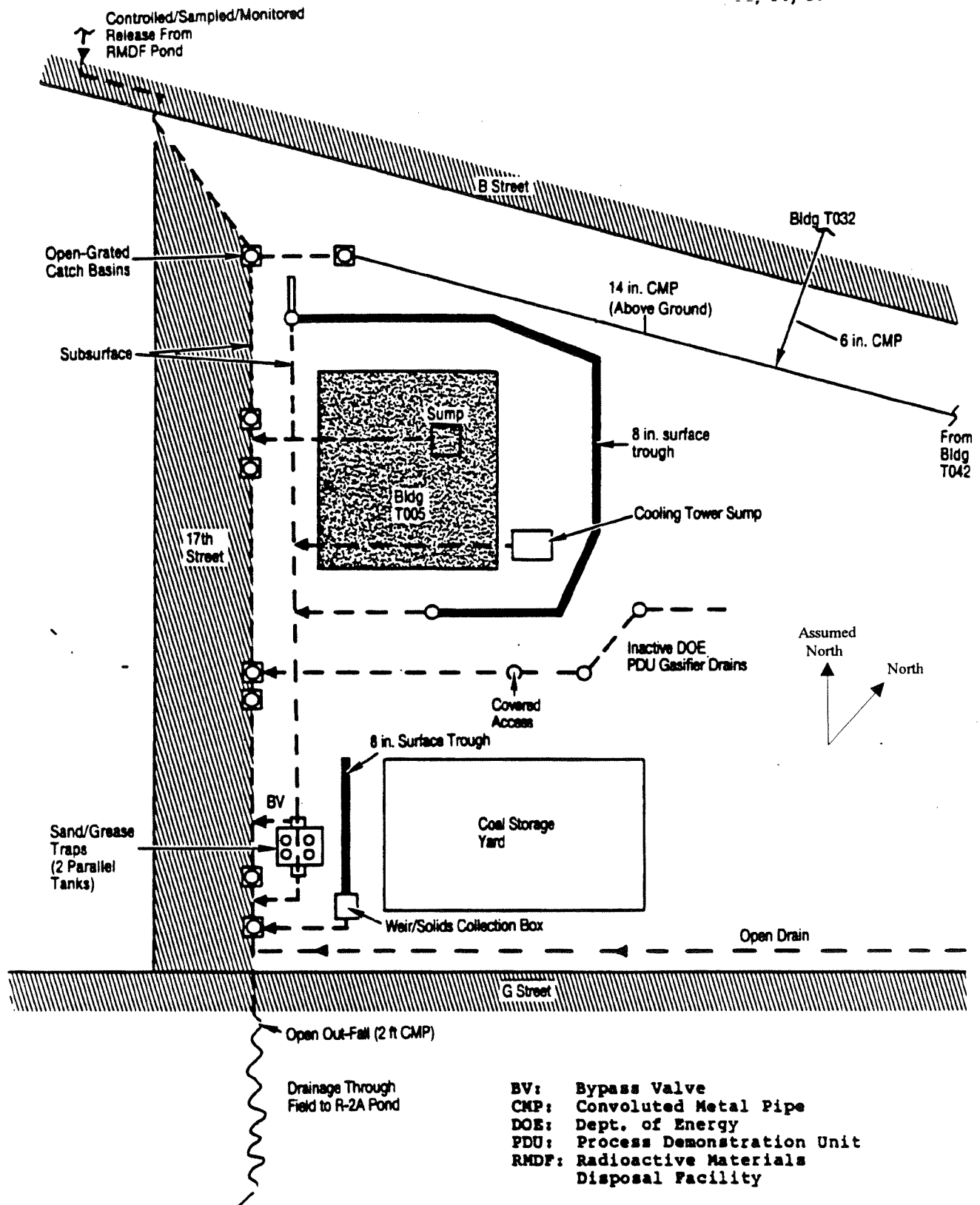


Figure 5. Building 005 Surface Drainage

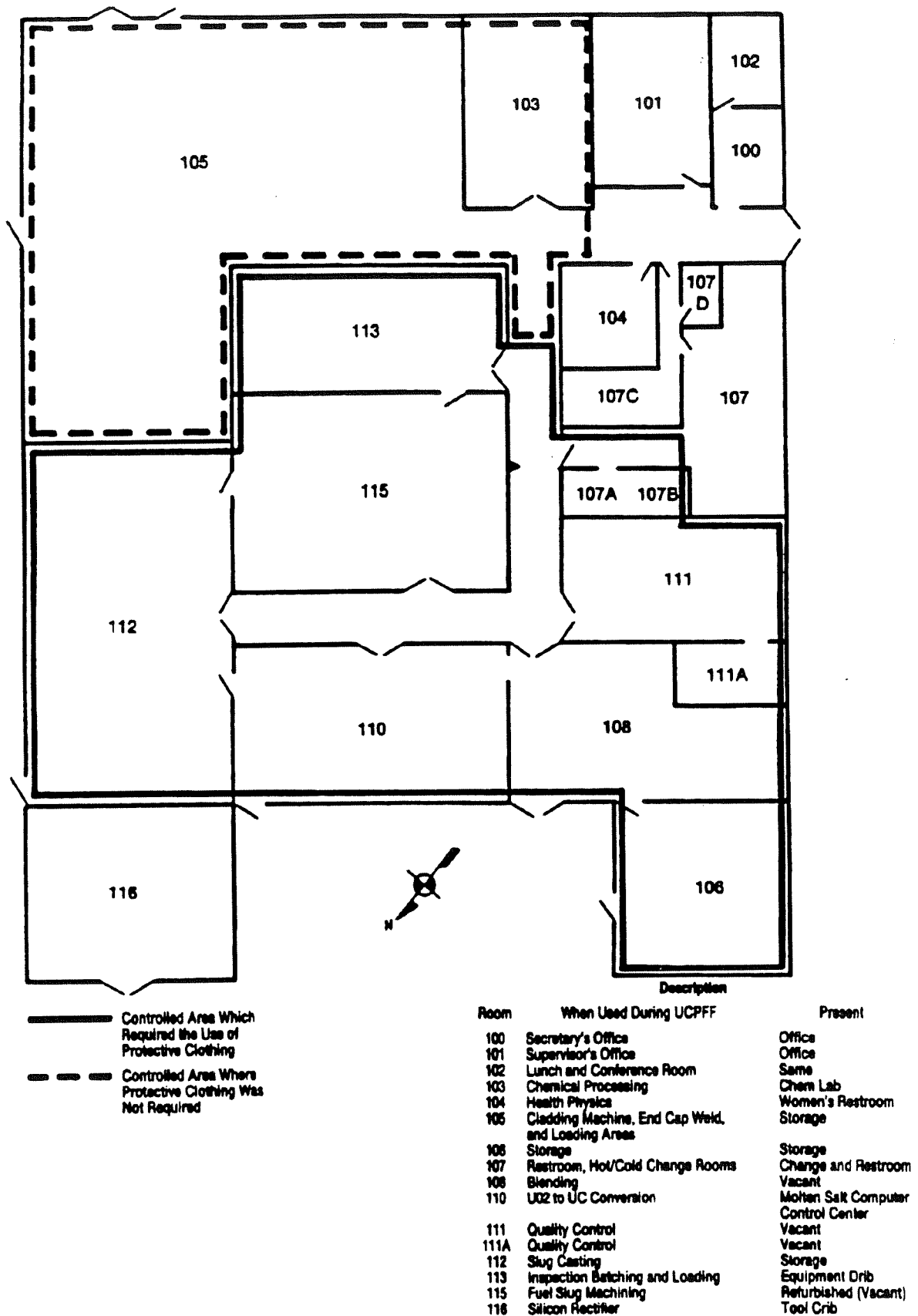


Figure 6. Building 005 Floor Plan Showing Controlled Areas

Energy Commission's (AEC's) Heavy-Water Organic-Cooled Reactor (HWOCR). Work was performed under the authority of AEC's Chicago Operations Office (COO). AEC/COO policy at that time exempted from licensure, the activities conducted at Building T005. At the completion of this fuel fabrication program in 1967, equipment was removed and surfaces decontaminated to permit non-radiologic use of the building.

The only radioactive material handled at Building 005 was enriched and depleted uranium. During this fuel fabrication program from 1966 to 1967, Building 005 was designated as the Uranium Carbide Pilot Fuel Facility. About 700 UC_x cylinders, 0.25-in. diameter by 3-in. long, were fabricated. Highly enriched uranium (93.1 wt%) metal was homogenized with 4.9 wt% enriched uranium by induction melting and casting to produce 12.7 wt% enriched uranium slugs. Uranium carbide slugs were then synthesized by reacting uranium metal with graphite in an arc furnace. Finally, cast UC slugs were machined into cylinders.

During fuel production, the facility was operated in a radiologically controlled manner under the cognizance of on-site health physicists. Considerable difficulty was experienced with the air exhaust systems scrubbers and filters. This included a fire. Special care has been taken during the dismantling of all radioactive material exhaust ducts not to contaminate the surrounding areas. No evidence suggests that the building ever experienced contamination incidents with consequences taking place outside of the exhaust ducts.

3.4 Decontamination and Demolition Efforts

The decommission and decontamination (D&D) plan for the Uranium Carbide Pilot Fuel Facility (Building 005) was begun in 1978 per Reference 5. (IL dated June 1978, F. Schmidt to W. McCurnin, "Decontamination Plan for Building T005").

The facility was to be decontaminated in five work packages. The first four work packages were completed by July 1987 and an extensive radiological survey (Reference 2) was performed between August and October 1987 to release the interior rooms for unrestricted use. Those four work packages completed the removal of all interior radioactive drains and decontaminated the walls and floors in all interior rooms. The last work package was left unwritten until 1992 when the final D&D operations plan (Reference 3) was written.

The final D&D work plan removed all of the remaining contaminated components: (1) interior and exterior radioactive ducting; (2) two radioactive filter plenums; and (3) the remaining exterior radioactive drain lines. A summary of the calculated R/A waste for the final phase of D&D, including the daughters of the uranium isotope, is provided in Table 1.

TABLE 1. Final Phase D&D Radioactive Waste

Isotope	Th-231	U-235	Th-234	Pa-234m	U-234	U-238
Total activity in millicuries	0.053	0.053	0.108	0.108	0.923	0.108

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The results are based on the activity calculation of all the B-boxes shipped from Building 005 final D&D procedures.

4.0 SURVEY RESULTS

4.1 Overview

Upon decontamination and decommissioning (D&D) its radioactive constituents, releasing a facility or area for other unrestricted uses requires a formal radiation survey to demonstrate that the applicable regulatory limits for such a release are met. The survey is performed under an established plan, and a statistical interpretation of the resulting data is made to determine if the regulatory release criteria have been met. This document provides the necessary framework to demonstrate that Building 005 meets DOE, NRC, and State of California criteria for release of the facility for unrestricted use.

4.2 Scope of the Survey

For the final radiological survey of Building 005, the interior rooms and exterior grounds were separated into sample lots. These sample lots are graphically shown in Figures 7 and 8. Sample lots were treated separately for the purposes of statistical data analyses. Distinguishable properties for selecting the sample lots were: (1) areas or rooms which contained contaminated components that were recently decontaminated, (2) areas or rooms which were within the Building 005 grounds, and (3) areas or rooms which were not recommended for release for unrestricted use by Reference 2. The chosen sample lots or areas are shown in Table 2 with the corresponding type of survey performed.

TABLE 2. Sample Lots Surveyed

Sample Lot No.	Room or Area	Type of Survey Performed ^(1,4)				
		Total Alpha	Total Beta	Remov-able Alpha	Remov-able Beta	Ambient Gamma ⁽²⁾
1	Rooms 105, 112, and 115	X	X	X	X	X
2	Rooms 110, 113, and Hallways	X	X	X	X	X
3 ⁽³⁾	North, Northeast, and Bldg. 049 Asphalt	—	X	—	—	X
4	Attic	X	X	X	X	X
5	North Overhang	X	X	X	X	X
6	East Exterior Concrete Slabs	X	X	X	X	X
7	Bldg. 049 and Receiving Pad	X	X	X	X	X
8	Roof	—	X	—	—	X

⁽¹⁾The type of survey performed for each sample lot was dependent on the type of surface being measured (e.g., concrete floor, walls, asphalt, gravel roof, tile floors, etc.)

⁽²⁾Ambient gamma readings are performed only on the horizontal walking surfaces at 1 meter.

⁽³⁾0.5 liter soil samples for U-238, U-234, and U-235 activity were taken underneath Sample Lot 3 asphalt.

⁽⁴⁾20% of all structural surfaces were surveyed in each sample lot for total alpha, total beta, removable alpha, and removable beta.

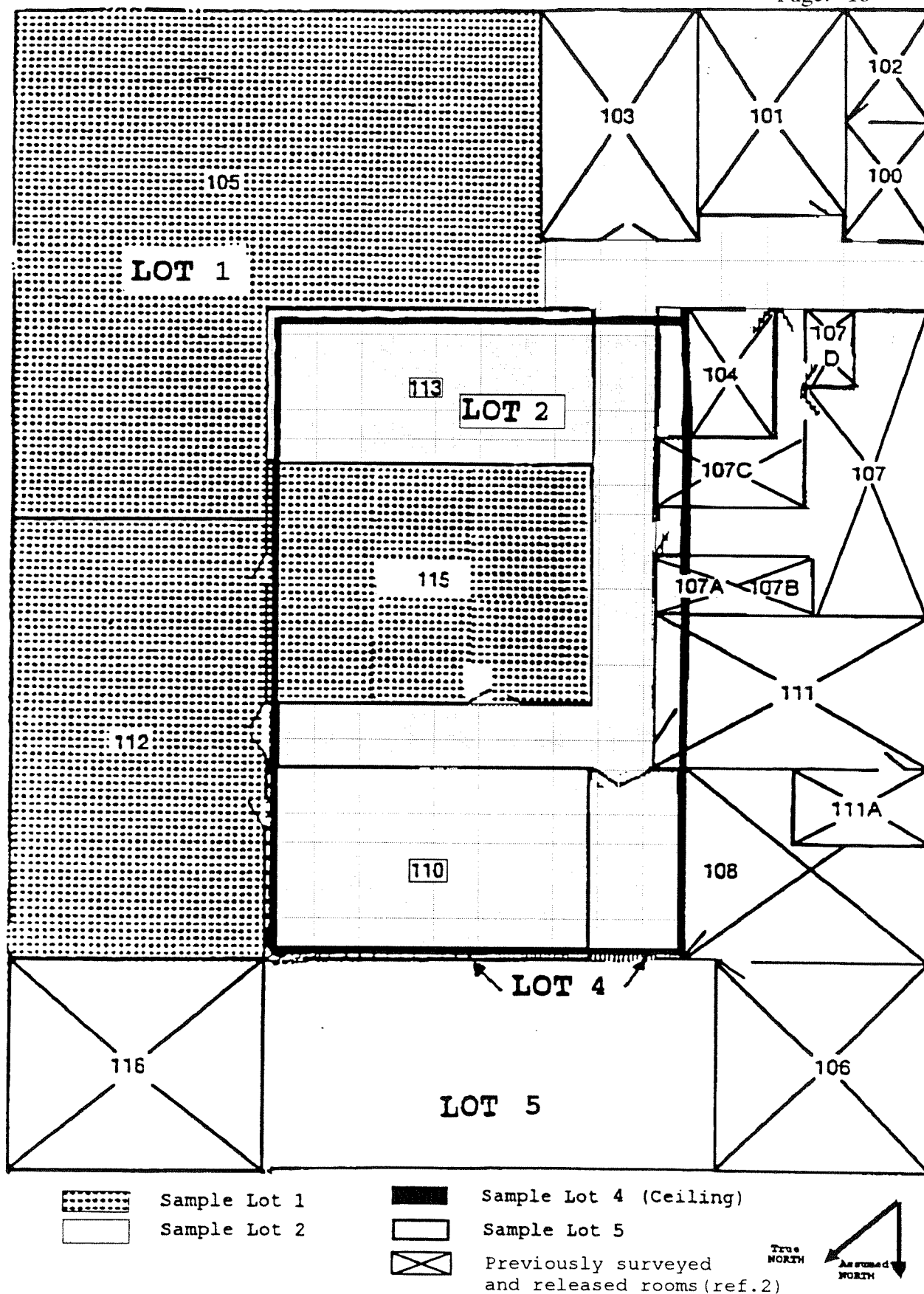


Figure 7. Building 005 Interior Sample Lots

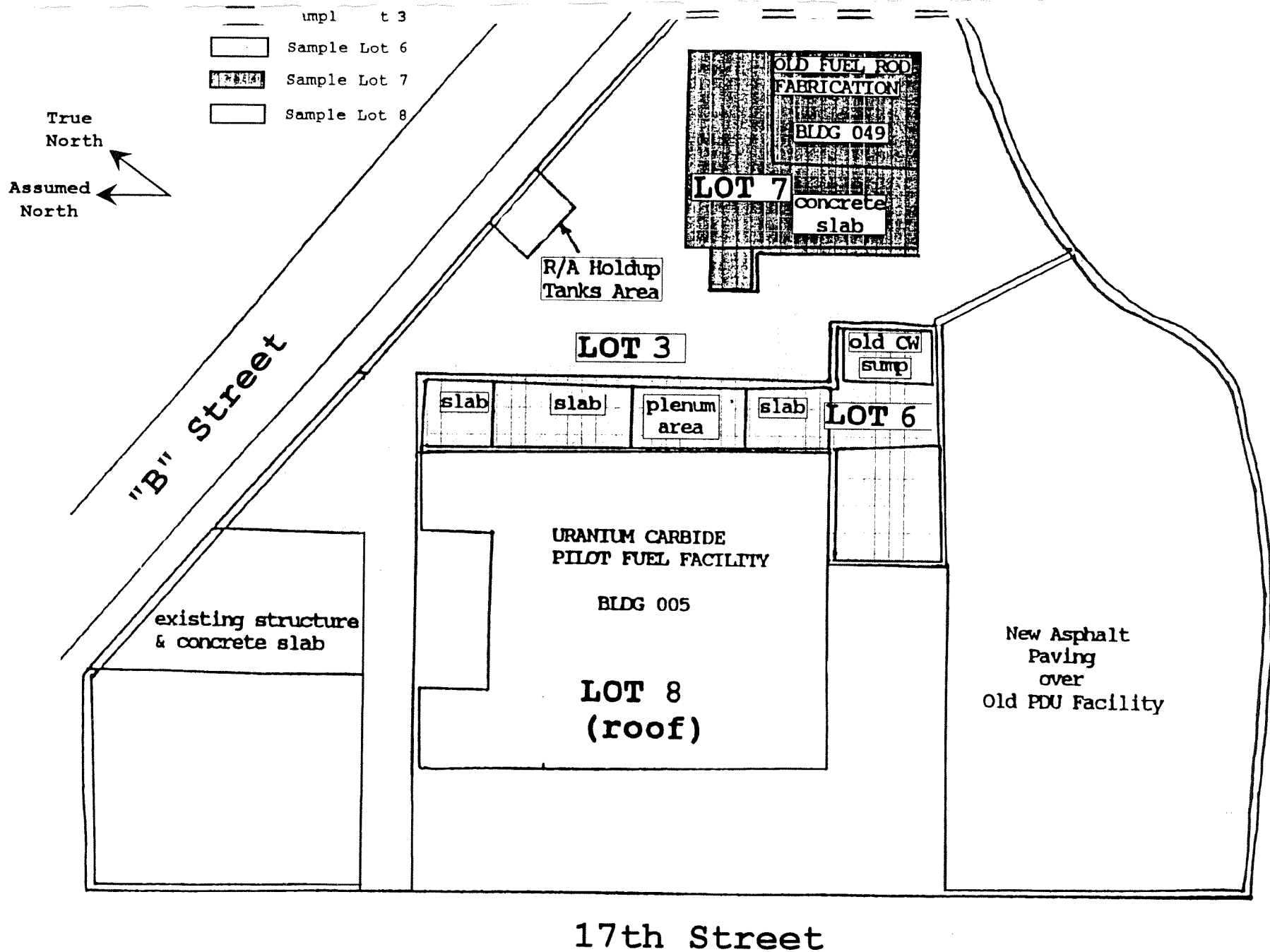


Figure 8. Building 005 Exterior Sample Lots

4.3 Survey Methods

1. Sampling Method

The method and type of survey measurements depended on the type of surfaces involved. For each sample lot, a 3-meter by 3-meter grid was superimposed on the floors, walls, ceilings, or ground of the entire sample lot area. A 100% direct frisk of each 3-meter by 3-meter grid was then performed using a G-M pancake probe. A 1-meter by 1-meter area was then selected from each 3-m by 3-m area based on previous D&D knowledge, randomly, or indications of elevated readings from the 100% direct frisk.

Each selected 1-meter by 1-meter grid location was then surveyed for contamination based on the type of surface involved. This method satisfies the State of California guidelines in DECON-1 (Ref. 9) for a minimum of 10% of an area shall be surveyed, and is shown graphically in Figure 9. Walls, floors, and ceilings were surveyed for total alpha and beta activity, removable alpha and beta activity and maximum alpha and beta activity, if a "hot spot" was detected when the total alpha and beta measurements were made. Additionally, the floors were surveyed for ambient gamma readings in $\mu\text{R/hr}$ at 1 meter. Twenty percent of all structural surfaces (pipes, conduit, light fixtures, etc.) were surveyed for total and removable alpha and beta activity. Concrete slabs and pads were surveyed in the same manner as the interior floors. Asphalt paving was surveyed for total beta and ambient gamma activity. Additionally, the soil underneath the asphalt was sampled since the asphalt was put down around 1973 and all the work involving the fuel facility was completed by 1967. The soil was then analyzed by gamma-spectroscopy to determine the U-238, U-234, and U-235 activity. The roof structure is made from loose gravel so only total beta and ambient gamma measurements were made.

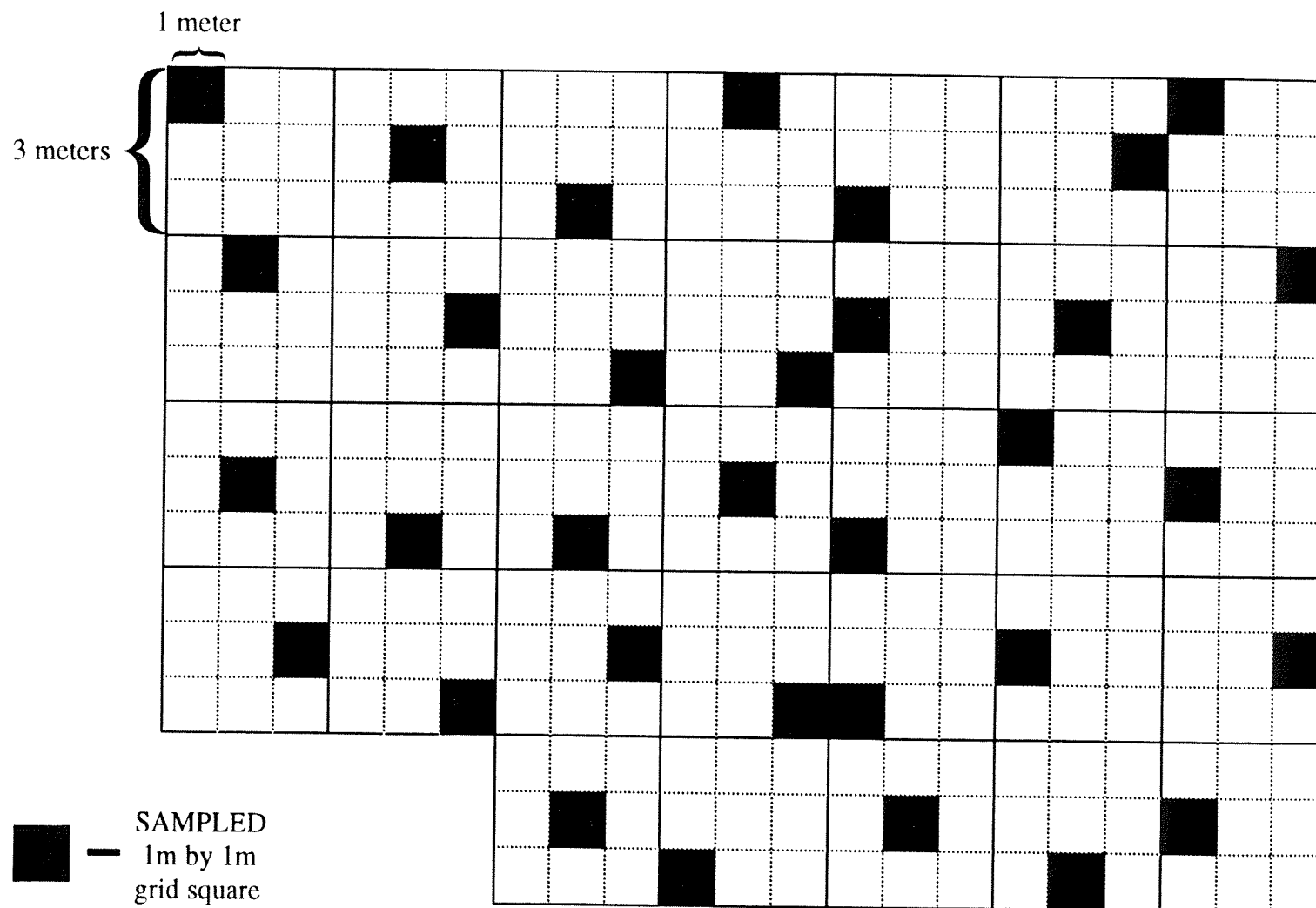
2. Instrument Calibrations and Checks

Measurements of the total and maximum alpha surface activities were made with alpha scintillation detectors, sensitive only to alpha particles with energies exceeding about 1.5 MeV. The detectors were calibrated with a Th-230 alpha source standard, traceable to NIST. A 5-min integrated count time was used.

Measurements of the total and maximum beta surface activities were made with a thin-window pancake Geiger-Mueller tube. The detectors were calibrated with a Tc-99 beta source standard, traceable to NIST. A 5-min integrated count time was used.

Measurements of removable surface activity (alpha and beta) were made by wiping approximately 100 cm^2 of surface area using standard smear disks. The activity on the disks were measured using a gas-flow proportional counter. The counters were calibrated using Th-230 and Tc-99 standard sources, traceable to NIST. A 1-min integrated count time was used.

The ambient exposure rates at 1 m from surfaces were measured using a 1-in. NaI scintillation detector. These instruments were calibrated against a Reuter-Stokes high-pressure ionization chamber, and daily checks were made using an Ra-226 source, traceable to NIST, placed 1-meter from the detector. A 1-min integrated count time was used.



**Figure 9. Typical Room or Area 3 Meter by 3 Meter Grid markings
(1 m² selected out of 9 m² or 11% sampling)**

All portable survey instruments were serviced and calibrated with NIST traceable standards on a quarterly basis. In addition, daily (when used) checks and calibrations were performed on all instrumentation to determine acceptable performance and establish a background value for the instrument on that day. Reference 6 provides further methods and procedures for environmental surveys.

Soil analyses were performed using a high purity Ge detector gamma-spectroscopy system calibrated with a NIST traceable standard. Reference 7 contains additional information concerning the entire method by which soil analyses are validated.

4.4 Technical Approach

1. Criteria and Their Implementation

Acceptable contamination limits and gamma exposure rates for releasing a facility for unrestricted use are prescribed in Department of Energy (DOE) guidelines (References 8-10). The lowest (most conservative) limits were chosen from these guidelines and incorporated into the final survey criteria for Building 005. Three distinguishable criteria were chosen from the guidelines:

- a) The surface contamination limits for alpha and beta were excerpted from DOE Order 5400.5 (Reference 8) and State of California Guidelines (Reference 9);
- b) The ambient gamma exposure rate limits at 1 meter were excerpted from NRC Dismantling Order for the L-85 reactor decommissioning (Reference 10) for conservatism and consistency with past decommissioning efforts. Although DOE Order 5400.5 (Reference 8) recommends a value of 20 $\mu\text{R/hr}$ above background, the value of 5 $\mu\text{R/hr}$ from the NRC Dismantling Order (Reference 10) was used for consistency, conservatism, and in keeping with ALARA principles;
- c) The soil contamination limits for the enriched and depleted uranium used at Building 005 were calculated using the DOE pathways program RESRAD4 (References 11 and 12). The most conservative limits were chosen for generic site values for single-nuclide contamination.

Table 3 provides a summary of the contamination limit criteria. Table 4 demonstrates that the detection limits (SSAs) for the instruments and method are well below the established limit criteria (from regulatory requirements) shown in Table 3.

2. Data Analyses and Statistical Criteria

A statistical procedure was used to validate the applicability of the raw survey data for selected sample lots or areas. The statistical method known as "sampling inspection by variables" (Reference 13) was used. This method has been widely applied in industry and the military and is essential where the lot size is impractically large. In the case of determining residual contamination in Building 005, it would be unacceptably time consuming and not cost effective to measure and document 100% of the building. However, by applying sampling inspection by variables methods, acceptable confidence in the conclusion made about the level of contamination can be achieved.

In sampling inspection by variables, the number of data points on which measurements are obtained is first chosen to be large so that the parameters of the distribution are likely

TABLE 3. Building 005 Contamination Limit Criteria

Parameter	Limit				Reference
	Radionuclides ⁽²⁾	Average ^(3,4)	Maximum ^(4,5)	Removable ^(4,6)	
Allowable Total					
Residual Surface Contamination for Alpha and Beta (dpm/100-cm ²) ⁽¹⁾	U-natural, U-235, U-238, and associated decay product, alpha emitters	≤ 5,000	≤ 15,000	≤ 1,000	8, 9
Surface Contamination for Gamma Exposure Rate	≤ 5 μR/hr above background at 1 meter interior and exterior				10
Soil Contamination Limits for Uranium	U-234 < 23.17 pCi/g U-235 < 5.54 pCi/g U-238 < 24.55 pCi/g				11, 12

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- (1) As used in this table, dpm (disintegrations per minute) means the rate of emission by radioactive material as determined by correcting the counts per minute measured by an appropriate detector for background, efficiency, and geometric factors associated with the instrumentation.
- (2) Where surface contamination by both alpha and beta-gamma emitting radionuclides exists, the limits established for alpha and beta-gamma emitting radionuclides should apply independently.
- (3) Measurements of average contamination should not be averaged over an area of more than 1 m². For objects of less surface area, the average should be derived for each such object.
- (4) The average and maximum dose rates associated with surface contamination resulting from beta-gamma emitters should not exceed 0.2 mrad/h and 1.0 mrad/h, respectively, at 1 cm.
- (5) The maximum contamination level applies to an area of not more than 100 cm².
- (6) The amount of removable material per 100 cm² of surface area should be determined by wiping an area of that size with dry filter or soft absorbent paper, applying moderate pressure, and measuring the amount of radioactive material on the wiping with an appropriate instrument of known efficiency. When removable contamination on objects of surface area less than 100 cm² is determined, the activity per unit area should be based on the actual area and the entire surface should be wiped. It is not necessary to use wiping techniques to measure removable contamination levels if direct scan surveys indicate that the total residual surface contamination levels are within the limits for removable contamination.

TABLE 4. Observed Detection Limits versus Established Limit Criteria

	Total Alpha (dpm/100 cm ²)	Removable Alpha (dpm/100 cm ²)	Total Beta (dpm/100 cm ²)	Removable Beta (dpm/100 cm ²)	U-235 Soil Activity	Th-234 Soil Activity	Ambient Gamma Exposure Rate (μR/hr)
Limit Criteria	5000	1000	5000	1000	5.54	23.17	<5.0 above bkgd
Average Obs. Detection Limit (SSA*)	10	4	294	11	0.022	0.47	0.51
Obs. Detection Limit Range	2-21	2-9	227-367	9-13	0.004-0.035	0.08-0.66	0.40-0.61
Ave.-Obs. Detection Limit to Established Limit Criteria	0.20%	0.40%	5.88%	1.10%	0.41%	2.01%	10.20%

*SSA = 1.645 x SQRT (2 x counts) x Area Factor x Efficiency Factor/Minutes = dpm/100 cm²

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to have a normal distribution (i.e., gaussian). The mean of the distribution, $\bar{x}$, and its standard deviation, s , are then related to a "test statistic," TS, as follows:

$$TS = \bar{x} + ks$$

where $\bar{x}$ = average (arithmetic mean of measured values)

s = observed sample standard deviation

k = tolerance factor calculated from the number of samples to achieve the desired sensitivity for the test

U = acceptance limit.

TS and $\bar{x}$ are then compared with an acceptance limit, U (such as those shown in Table 3), to determine acceptance or other plans of action, including rejection of the area as contaminated and requiring further remediation.

The sample mean, standard deviation, and acceptance limit are easily calculable quantities; the value of k , the tolerance factor, bear further discussion. Of the various criteria for selecting plans for acceptance sampling by variables, the most appropriate is the method of Lot Tolerance Percent Defective (LTPD), also referred to as the Rejectable Quality Level (RQL). The LTPD is defined as the poorest quality that should be accepted in an individual lot. Associated with the LTPD is a parameter referred to as consumer's risk (β), the risk of accepting a lot of quality equal to the LTPD. USNRC Regulatory Guide 6.6 ("Acceptance Sampling Procedures for Exempted and Generally Licensed Items Containing By-Product Material") states that the value for the consumer's risk should be 0.10. Conventionally, the value assigned to the LTPD has been 10%.

The State of California (Reference 9) has also stated that the consumer's risk of acceptance (β) at 10% defective (LTPD) must be 0.1. For those choices of β and LTPD, $K_\beta = K_2 = 1.282$. The number of samples is n . Values of k for each sample size are calculated in accordance with the following equations:

$$K = \frac{K_2 + \sqrt{K_2^2 - ab}}{a}; a = 1 - \frac{K_\beta^2}{2(n-1)}; b = K_\beta^2 - \frac{K_\beta^2}{n} \quad (\text{Eq. 1})$$

where k = tolerance factor

K_2 = the normal deviate exceeded with probability of β , 0.10 (from tables, $K = 1.292$)¹

K_β = the normal deviate exceeded with probability equal to the LTPD, 10% (from tables, $K = 1.282$)¹

n = number of samples.

¹The values chosen for these coefficients for the survey correspond to assuring, with 90% confidence, that 90% of the area has residual contamination below 100% of the applicable limit (a 90/90/100 test). The choice of values for the two coefficients is consistent with industrial sampling practices and State of California guidelines (Reference 9).

The statistical criteria for acceptance of the Building 005 final survey are presented below.

- a) Acceptance: If the test statistic ($\bar{x} + ks$) is less than or equal to the limit (U), accept the region as clean. (If any single measured surface contamination value exceeds 80% of the limit, decontaminate that location, in keeping with ALARA principles, to as near background as possible, but do not change the value in the analysis.) See Figure 10 for an example of the sample lot acceptance by the test.
- b) Collect additional measurements: If the test statistic ($\bar{x} + ks$) is greater than the limit (U), but $\bar{x}$ itself is less than U, independently resample and combine all measured values to determine if $\bar{x} + ks \leq U$ for the combined set; if so, accept the region as clean. If not, the region is contaminated and must be remediated. See Figure 11 for an example of additional measurements that must be taken in the sample lot to accept or reject it.
- c) Rejection: If the test statistic ($\bar{x} + ks$) is greater than the limit (U) and $\bar{x} > U$, the region is contaminated and must be remediated. See Figure 12 for an example of sample lot rejection by the test.

Thus, based on sampling inspection, we accept the hypothesis that the probability of accepting a lot as not being contaminated which is, in fact, 10% defective is 0.10. Or in other words, the Building 005 final survey corresponds to assuring with 90% confidence that 90% of the area has residual contamination below 100% (a 90/90/100 test) of the applicable limits described in Table 3.

4.5 Sample Lot Analyses and Results

1. Sample Lot 1

a) Description

Sample Lot 1, located primarily on the east interior of Building 005, contains a highbay area approximately 9 meters to the ceiling with a bare concrete floor and the old fuel machining room with a new tile floor (the old tile was replaced during D&D activities). Lot 1 contained rooms 105, 112, and 115. Locations with respect to other Building 005 areas are shown in Figure 7.

b) Analyses of Sample Lot 1 Data

Raw data measurements for Sample Lot 1 were taken, subtracted for daily instrument background (except for ambient gamma exposure rates) and plotted on a cumulative probability graph as explained previously. For statistical comparisons (using the "sampling inspection by variables" method), similar areas within Sample Lot 1 were combined together and then analyzed for the specific type of radiation measurement made on the surface. Individual raw measurement data and instrument backgrounds are provided in Appendix A.

Sample lot results are tabulated in Table 5 for comparing the test statistic ($TS = \bar{x} + ks$) with the applicable, established contamination criteria or acceptance limit (U) from Table 3. The corresponding figures for the graphs of each calculated cumulative probability plot are also provided. Individual sample results used as graph data for Sample Lot 1 are provided in Appendix B.

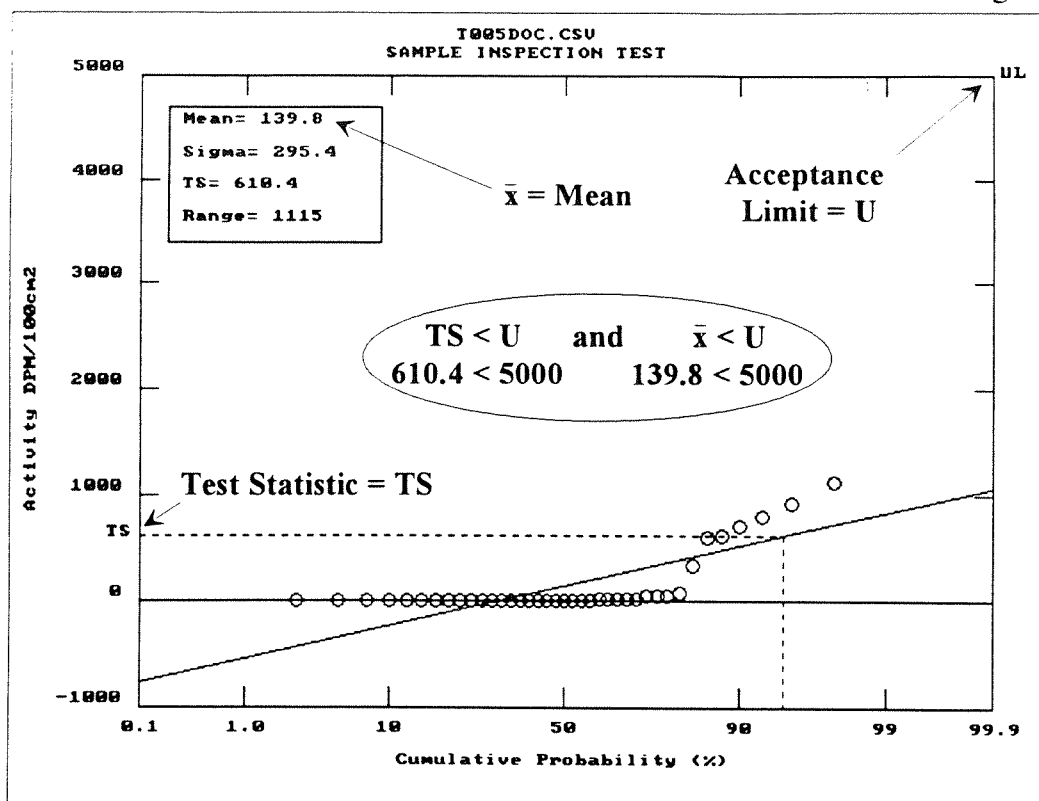


Figure 10. Example of Sample Lot Acceptance where $TS (= \bar{x} + ks) \leq U$

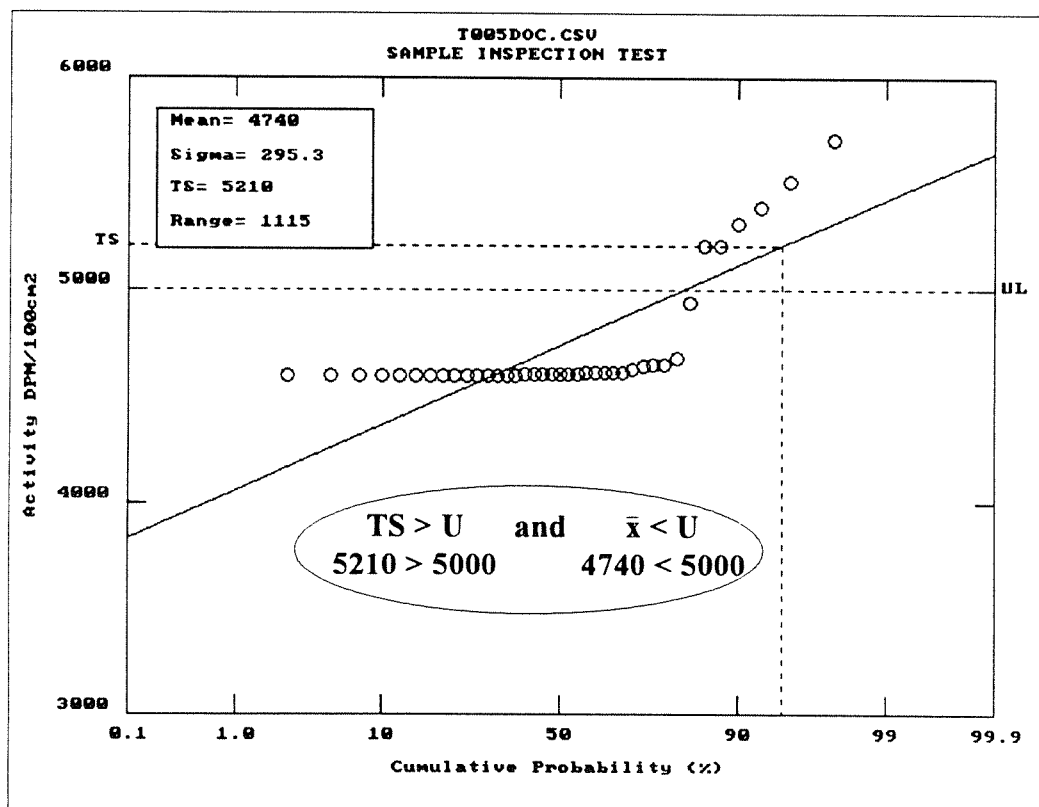


Figure 11. Example of a Sample Lot Requiring Additional Measurements where $TS (= \bar{x} + ks) > U$ and $\bar{x} < U$

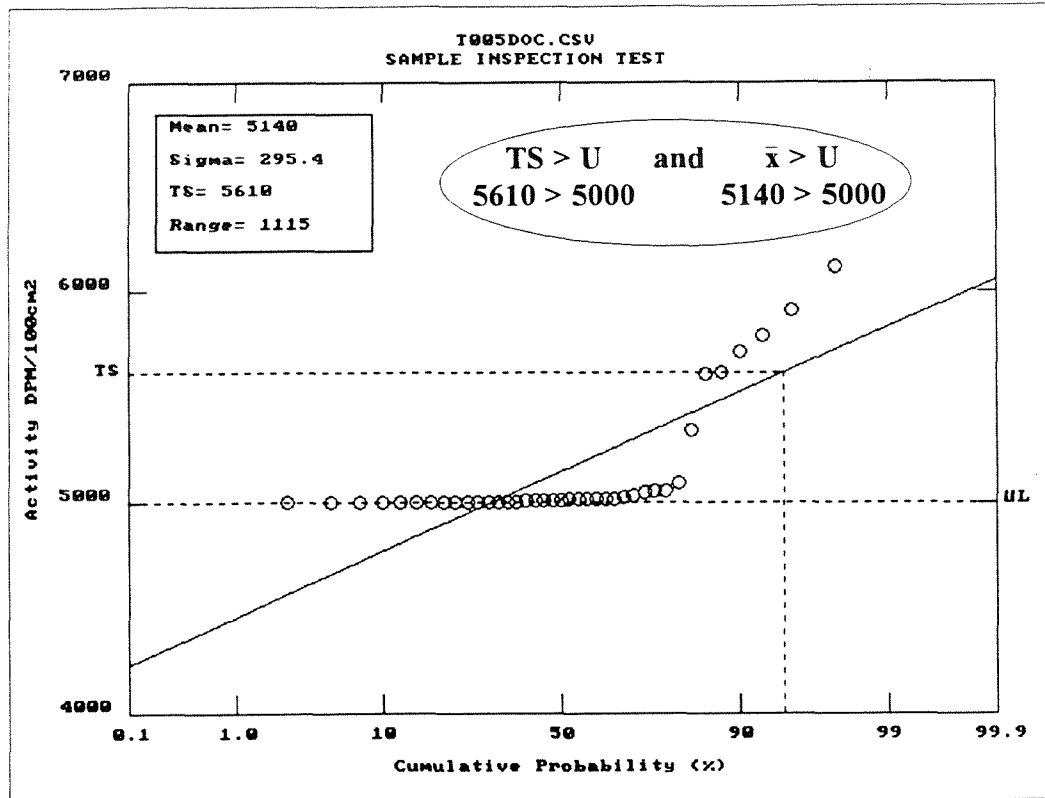


Figure 12. Example of Sample Lot Rejection where $TS (\bar{x} + ks) > U$ and $\bar{x} > U$

TABLE 5. Sample Lot 1 Results

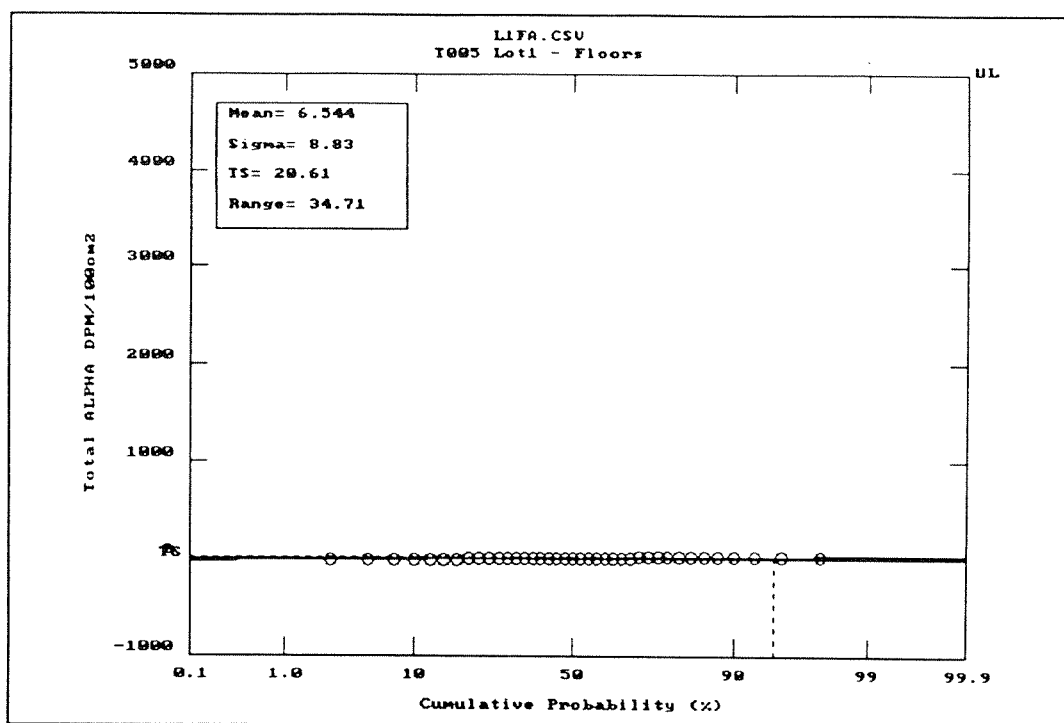
	Calculated Test Statistic ($TS = \bar{x} + ks$)				
	Total Alpha (dpm/100 cm ²)	Total Beta (dpm/100 cm ²)	Removable Alpha (dpm/100 cm ²)	Removable Beta (dpm/100 cm ²)	Ambient Gamma (μ R/hr)
Acceptance Limit (U)	5000	5000	1000	1000	13.10**
Floors	20.61 (13)*	1488.00 (14)*			9.43 (15)*
Walls and Ceiling	13.93 (16)*	205.40 (17)*			
Structure	3.26 (18)*	218.20 (19)*			
Entire Area			8.41 (20)*	12.97 (21)*	

* Numbers in parenthesis refer to figure numbers.

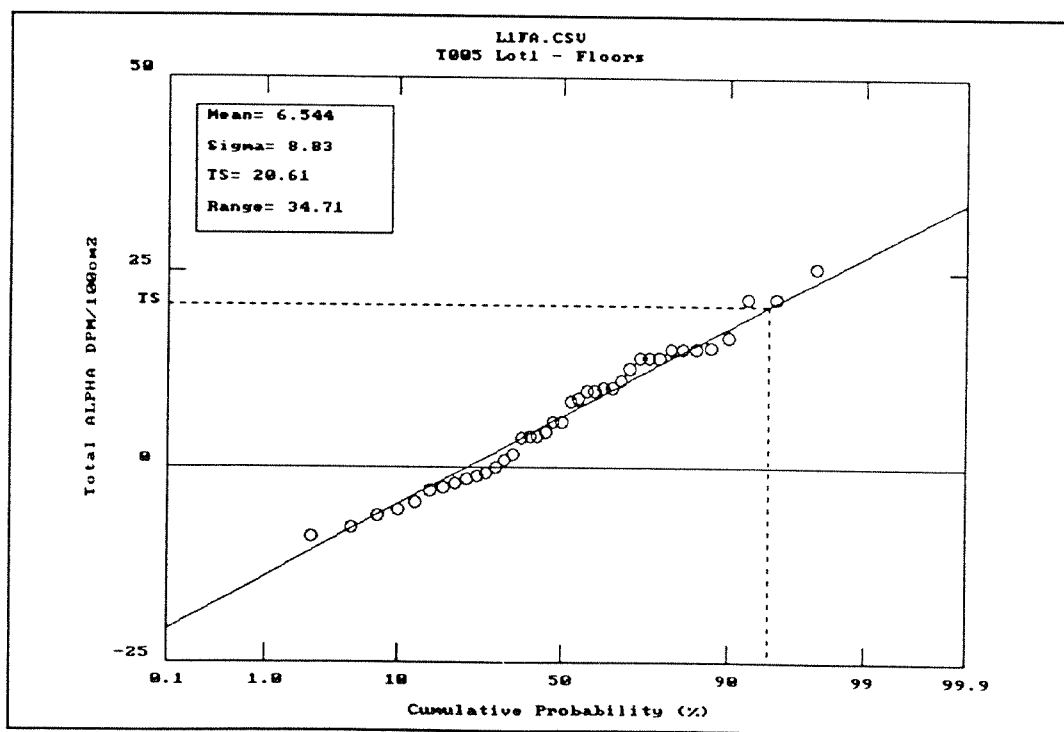
** The acceptance limit for ambient gamma exposure rate in μ R/hr was determined by calculating the average ambient indoor background (8.10 μ R/hr) from 30 locations inside a known uncontaminated building (Building 038) and adding the acceptance criteria from Table 3 (<5 μ R/hr above background) to achieve a final indoor ambient gamma exposure rate limit of 13.10 μ R/hr. All values, excluding the ambient gamma exposure rate, in this table are subtracted for daily instrument background.

c) Interpretation of Results for Sample Lot 1

Figures 13 through 21 and Table 5 demonstrate that for each applicable acceptance limit (U) from Table 3, the corresponding test statistic (TS) value is less than the limit (U) or $TS < U$. Therefore, the nine figures for Sample Lot 1 pass the "sampling inspection by variables" test and are "Accepted" as radiologically clean. Or in other words, the Building 005 Sample Lot 1 survey corresponds to assuring with a 90% confidence that 90% of Sample Lot 1 has residual contamination below 100% (a 90/90/100 test) of the applicable NRC, DOE, and State of California limits described in Table 3.

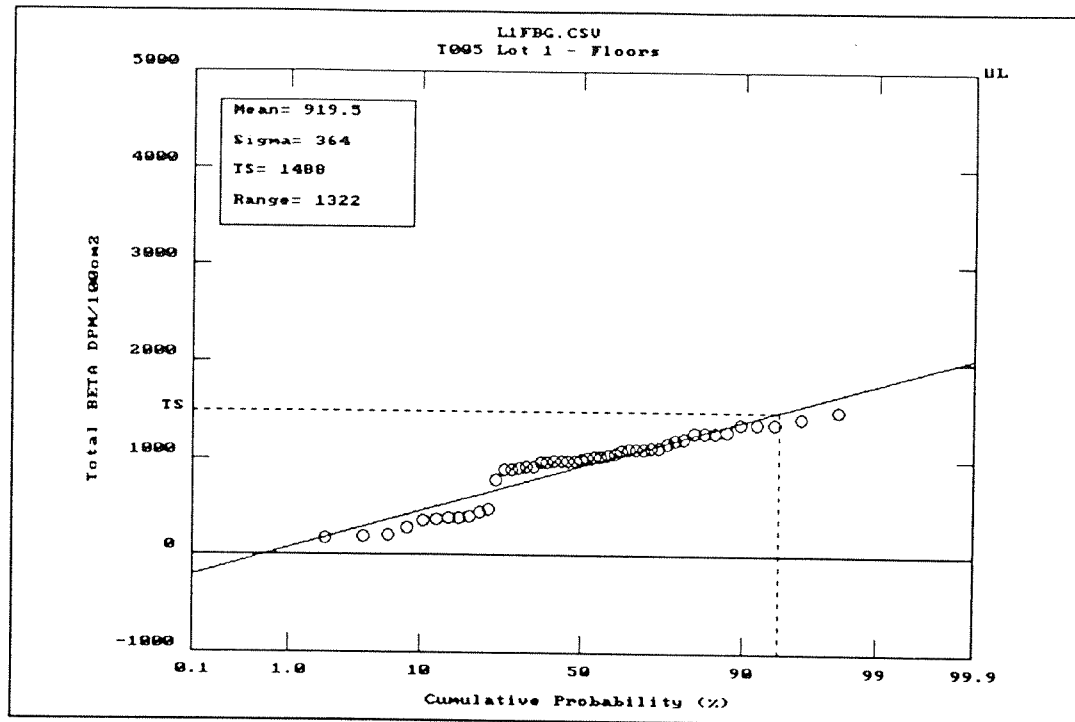


13a.) Scale Including Acceptance Limit (U)

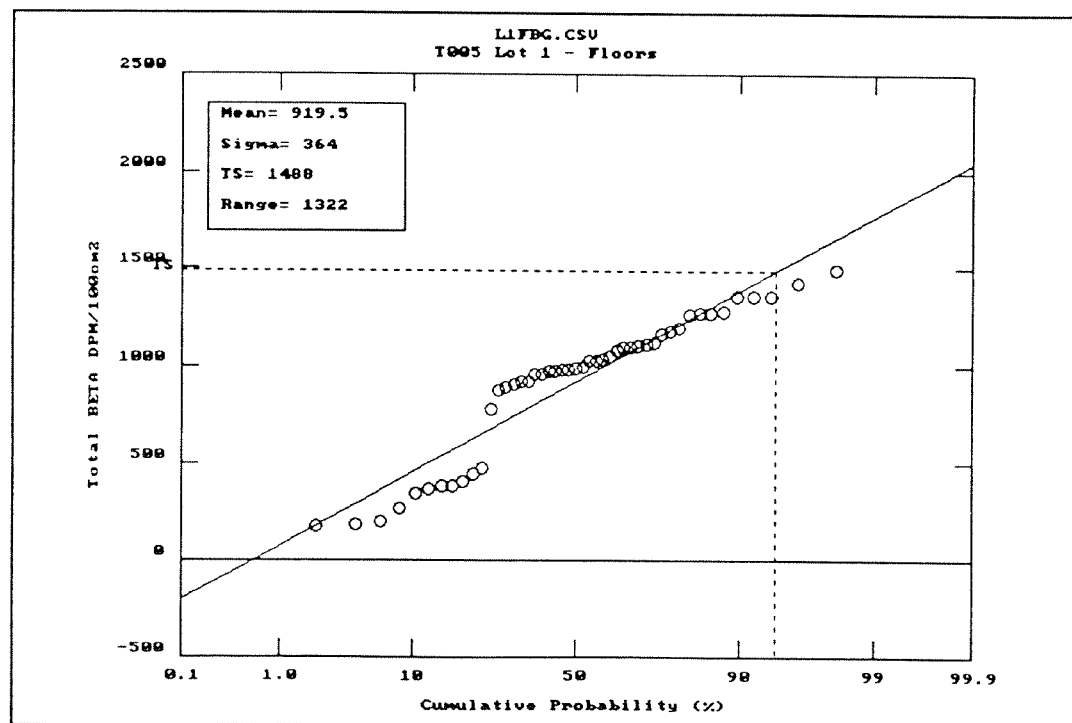


13b.) Expanded Scale

Figure 13. T005 - Lot 1 Floors Total Alpha Activity



14a.) Scale Including Acceptance Limit (U)



14b.) Expanded Scale

Figure 14. T005 - Lot 1 Floors Total Beta Activity

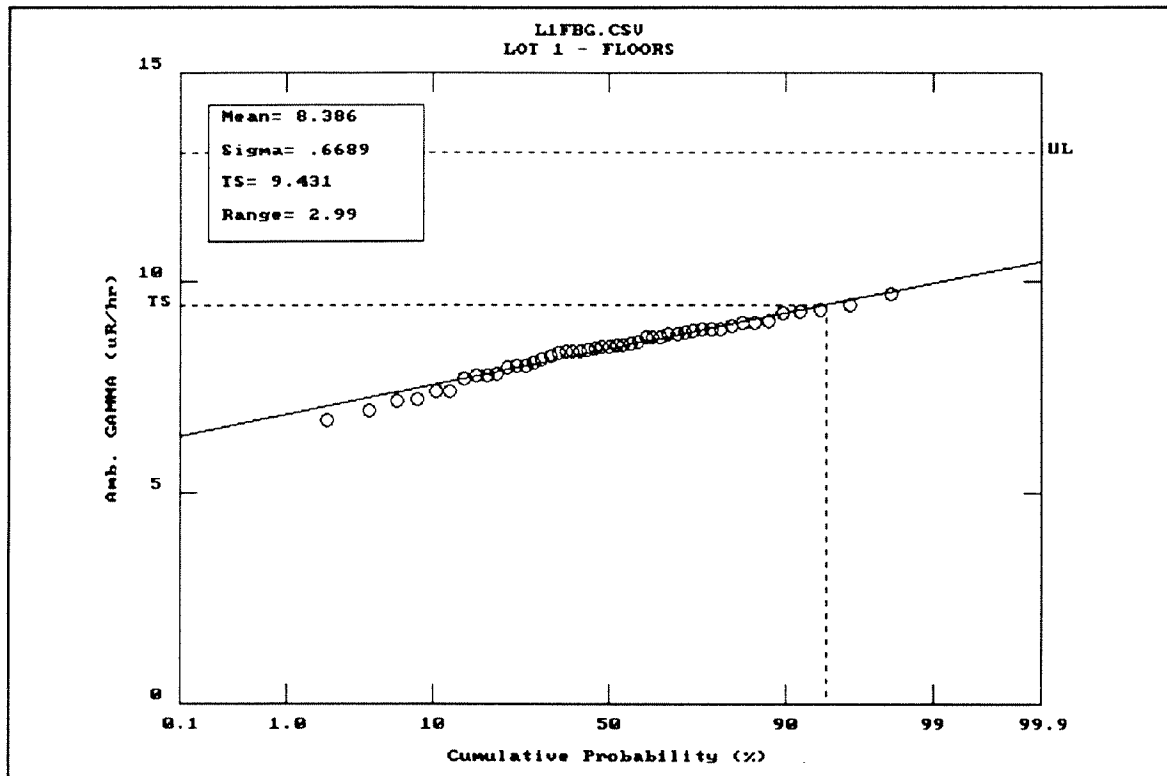
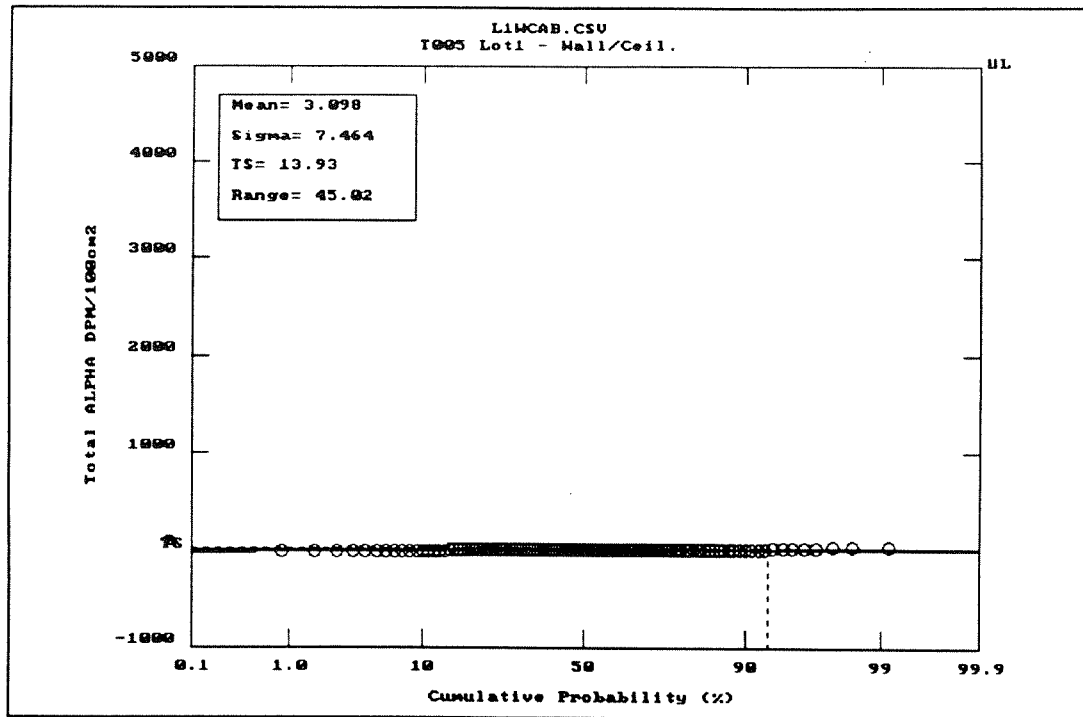
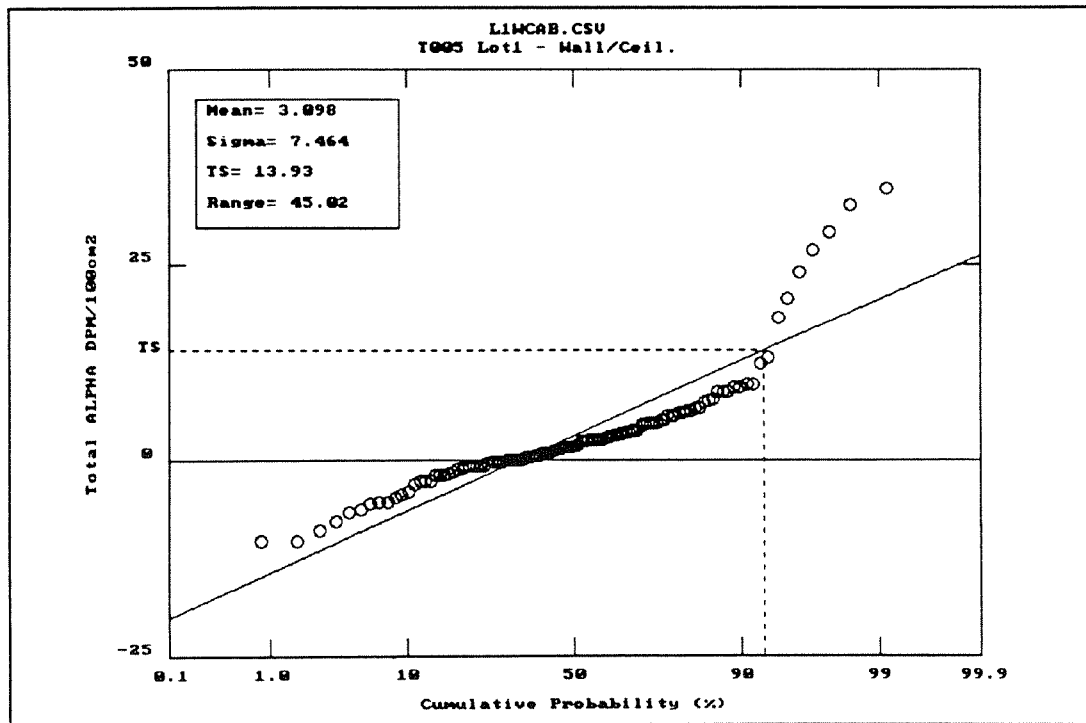


Figure 15. T005 - Lot 1 Floors Ambient Gamma Activity

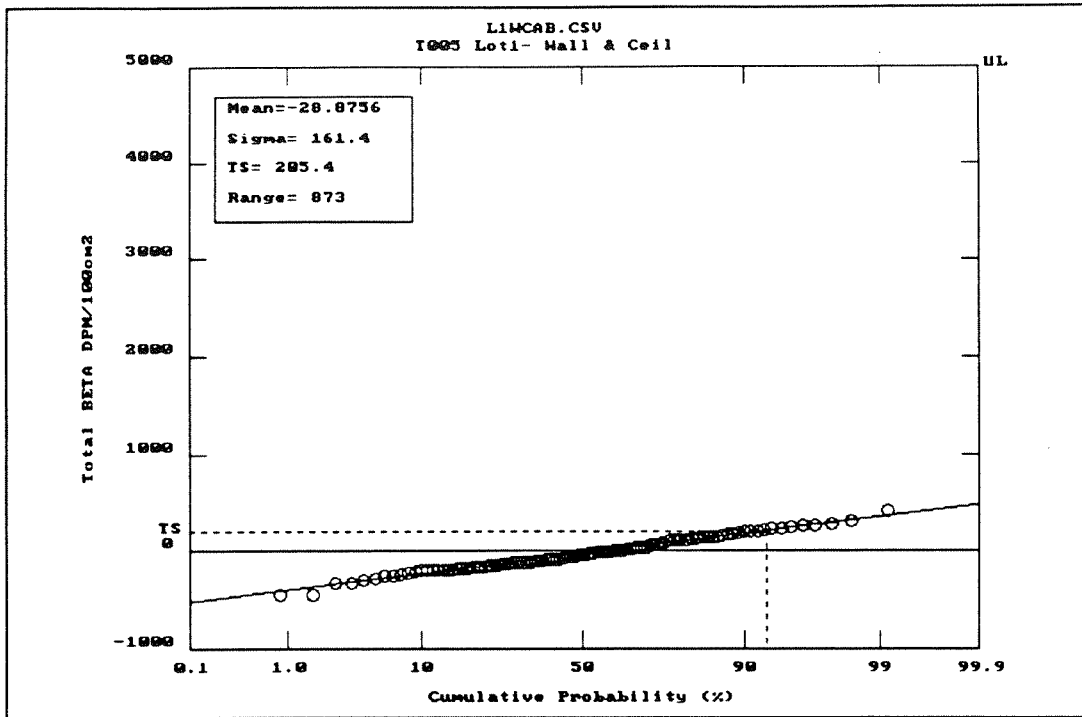


16a.) Scale Including Acceptance Limit (U)

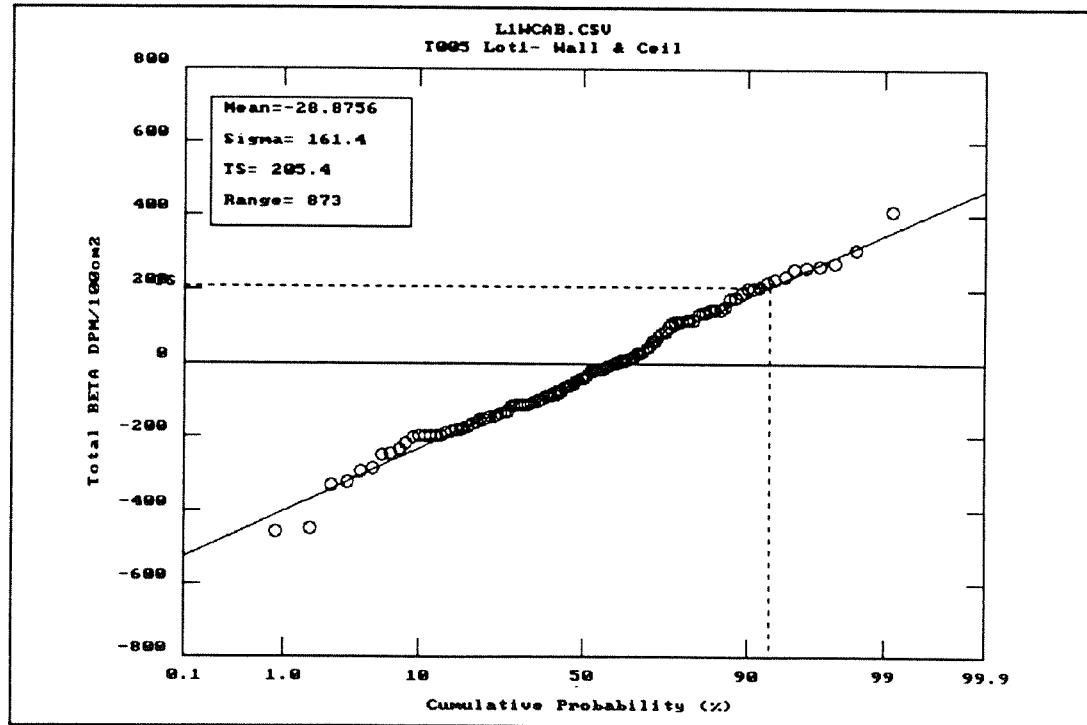


16b.) Expanded Scale

Figure 16. T005 - Lot 1 Walls and Ceiling Total Alpha Activity

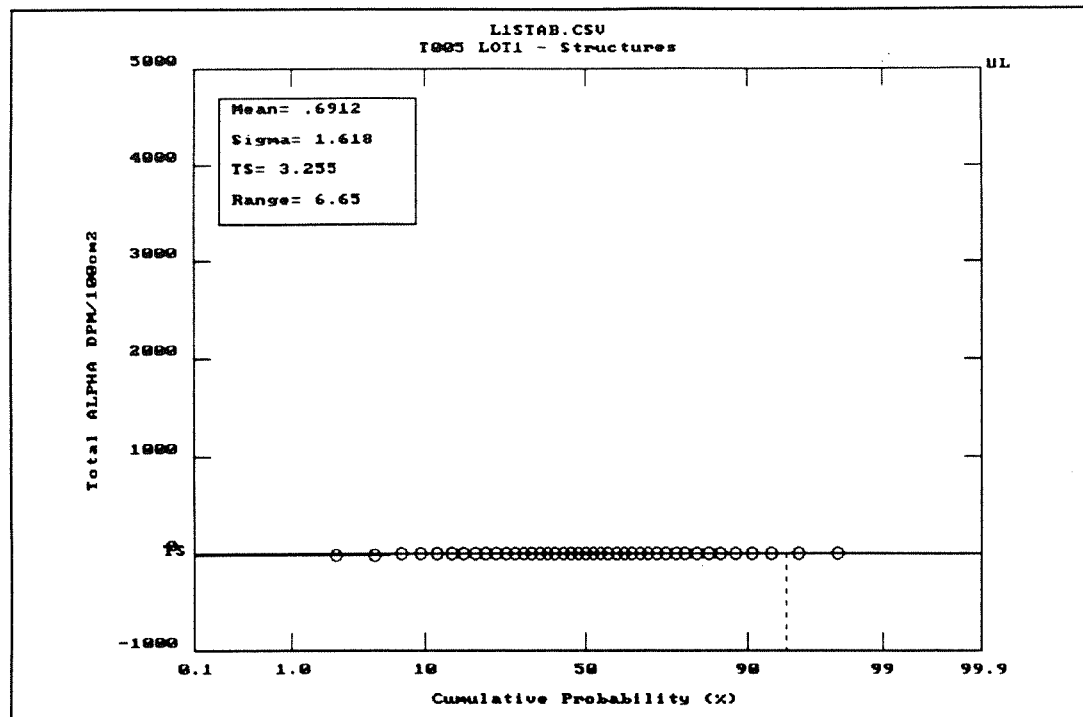


17a.) Scale Including Acceptance Limit (U)

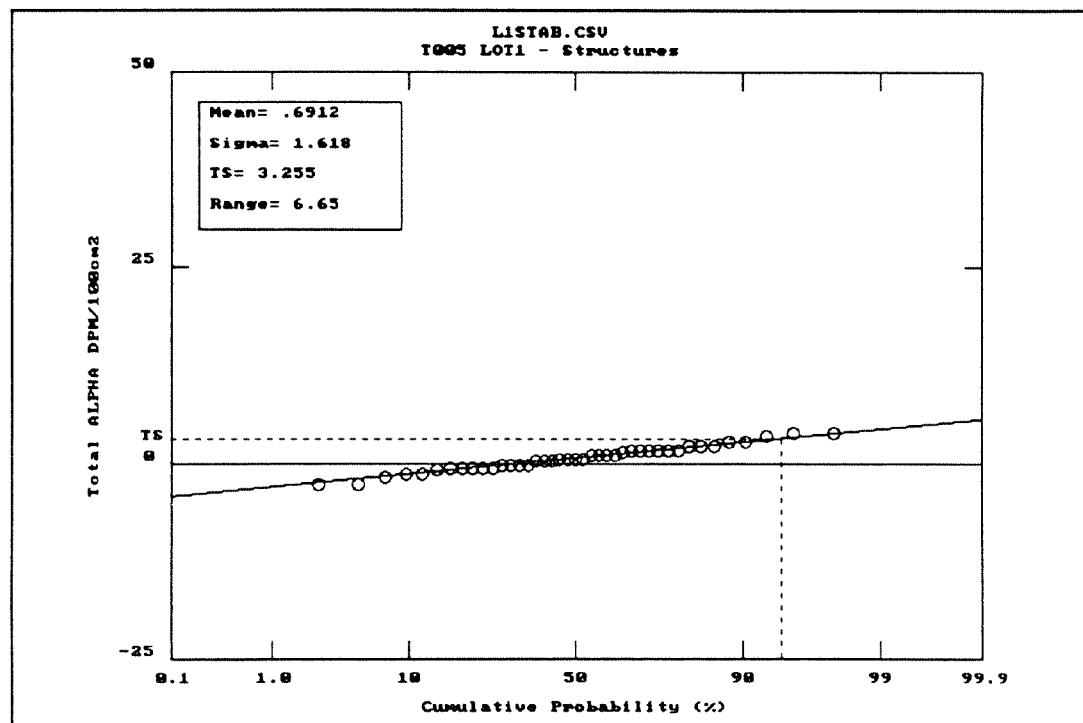


17b.) Expanded Scale

Figure 17. T005 - Lot 1 Walls and Ceiling Total Beta Activity

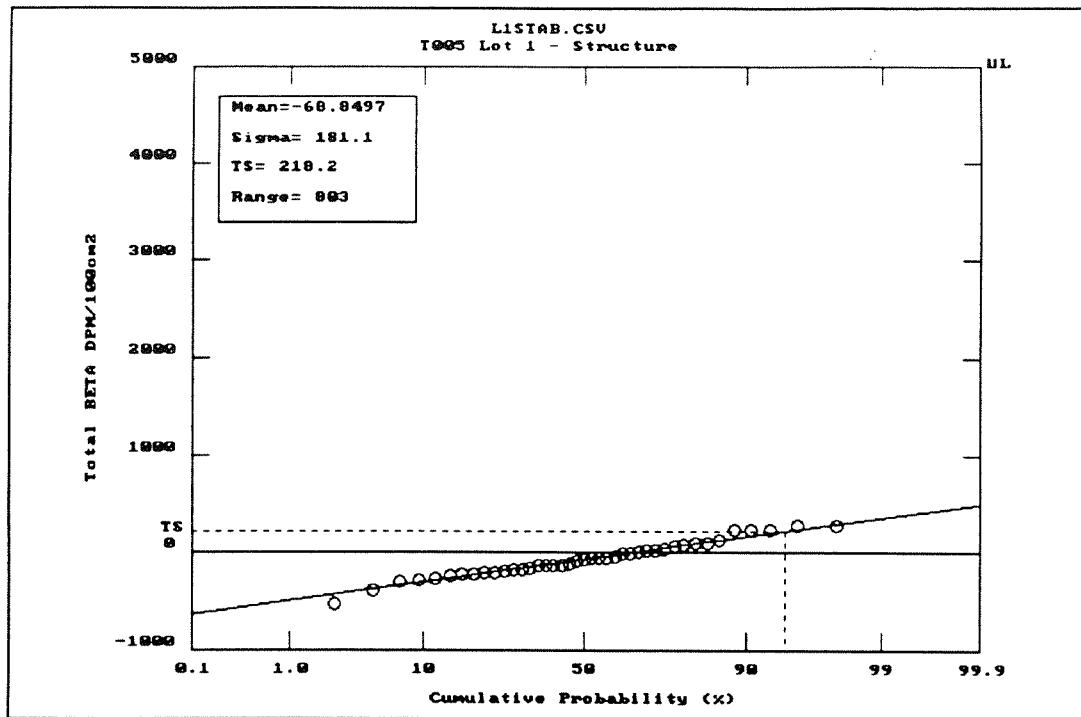


18a.) Scale Including Acceptance Limit (U)

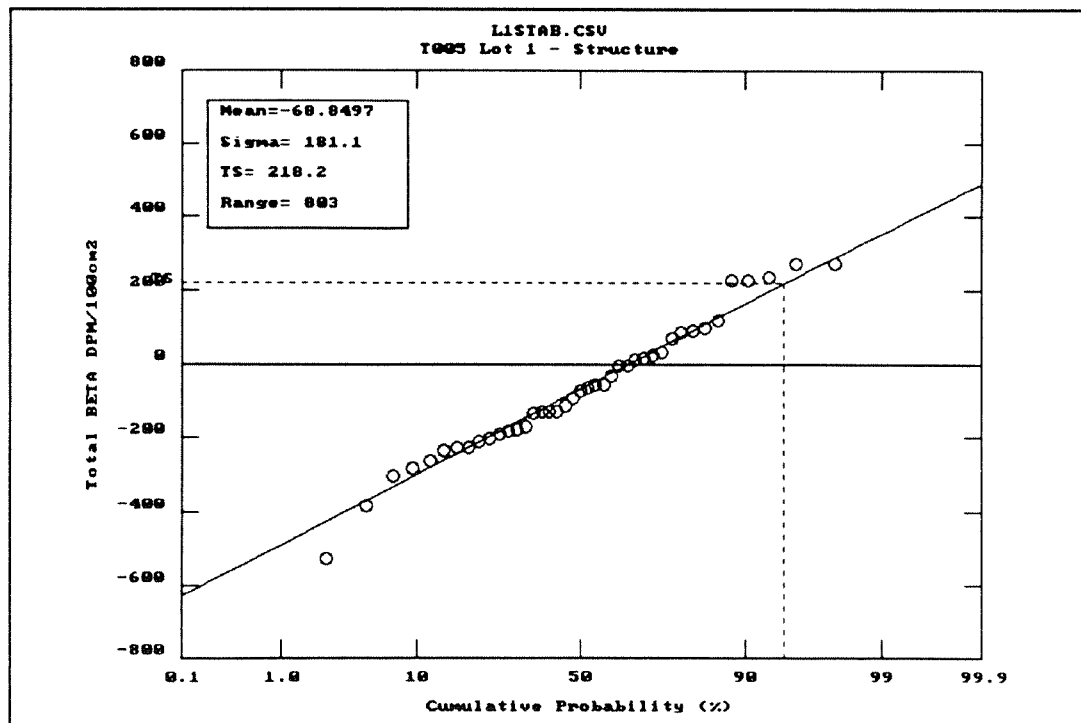


18b.) Expanded Scale

Figure 18. T005 - Lot 1 Structure Total Alpha Activity

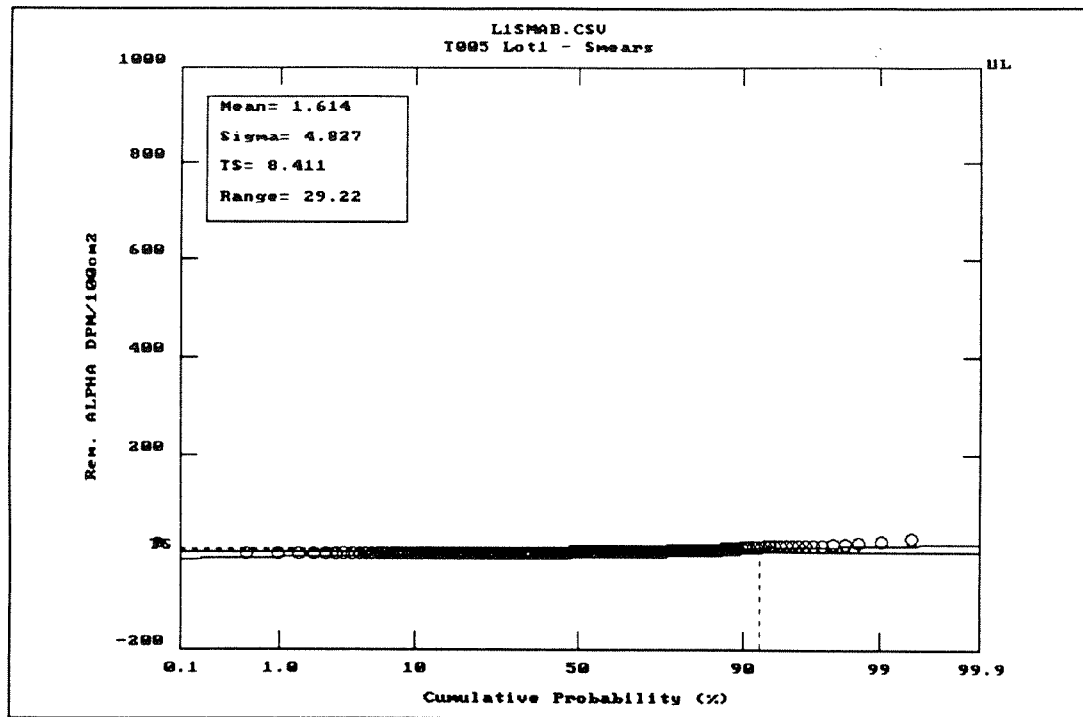


19a.) Scale Including Acceptance Limit (U)

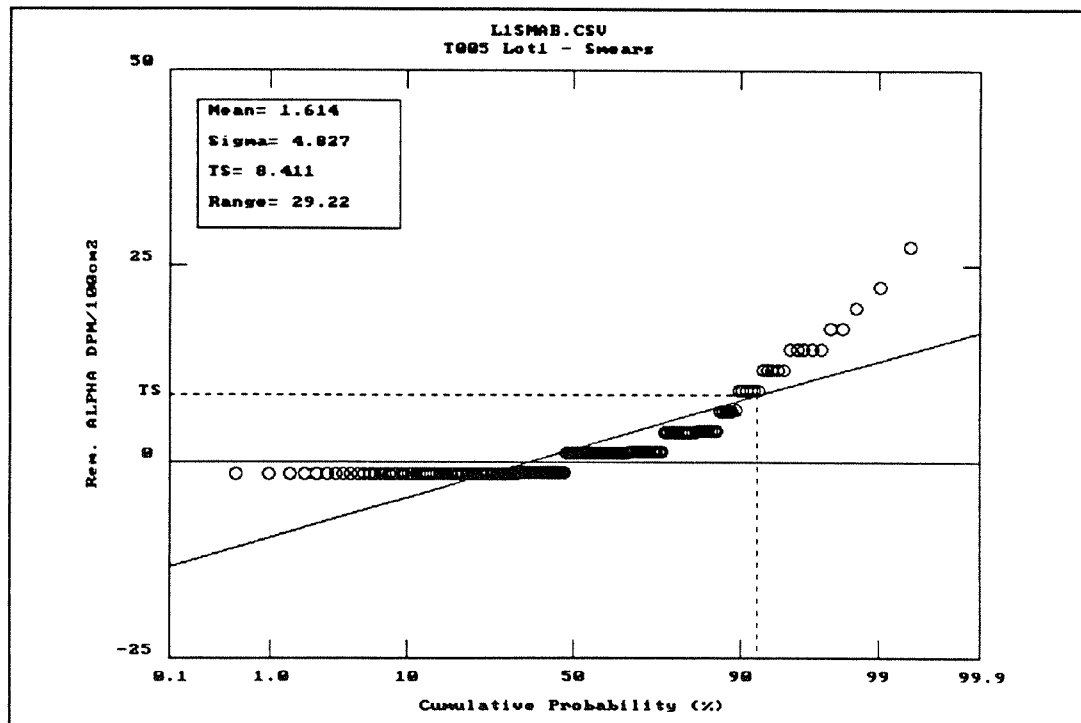


19b.) Expanded Scale

Figure 19. T005 - Lot 1 Structure Total Beta Activity

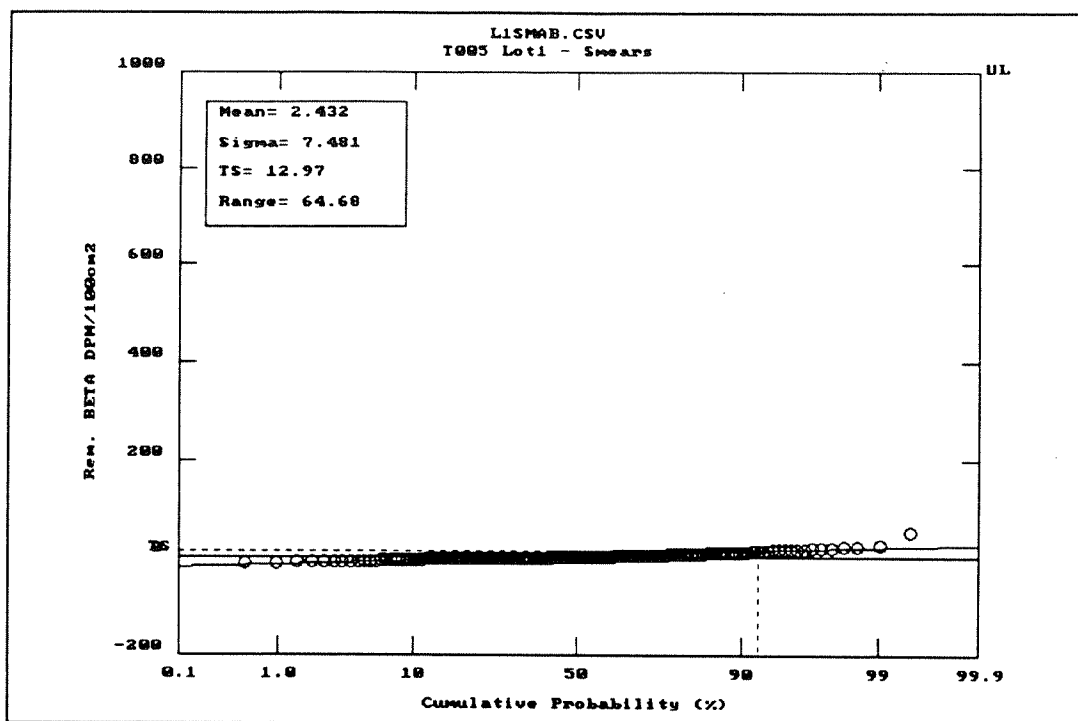


20a.) Scale Including Acceptance Limit (U)

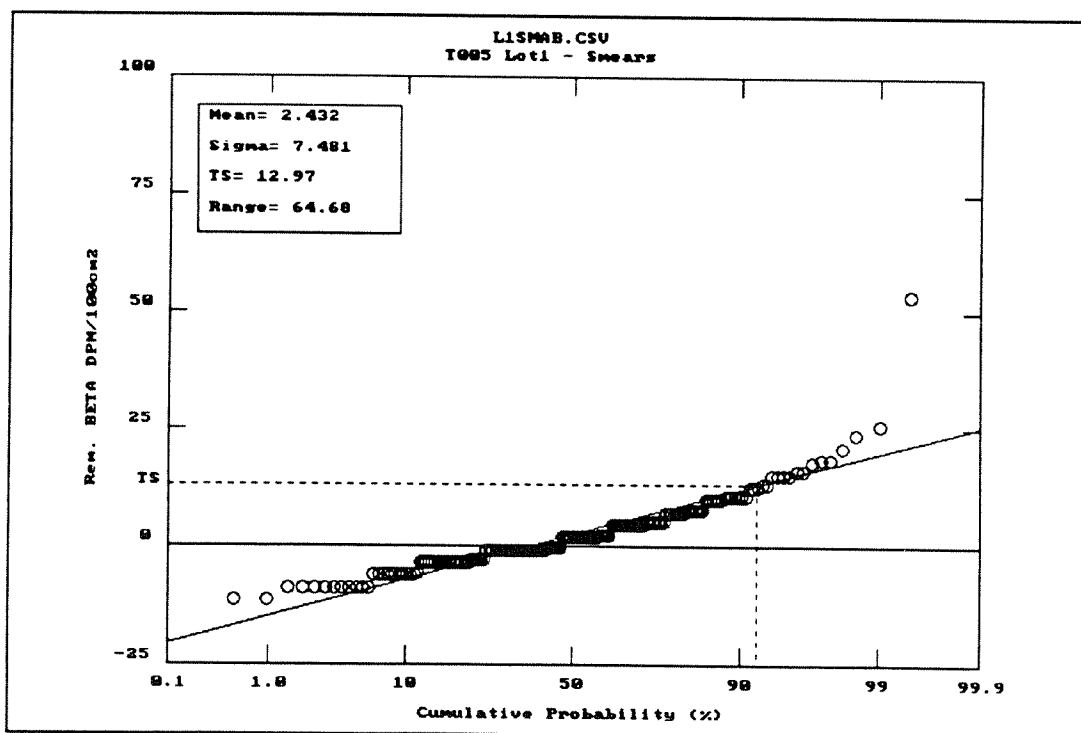


20b.) Expanded Scale

Figure 20. T005 - Lot 1 Removable Alpha Activity



21a.) Scale Including Acceptance Limit (U)



21b.) Expanded Scale

Figure 21. T005 - Lot 1 Removable Beta Activity

2. Sample Lot 2

a) Description

Sample Lot 2, located in the interior of Building 005, contains rooms 110, 113, and the interior hallways. Both of the rooms were part of the controlled area when the facility was actively involved in fuel processing and both rooms underwent significant D&D operations. Locations with respect to other building 005 areas are shown in Figure 7.

b) Analyses of Sample Lot 2 Data

Raw data measurements for Sample Lot 2 were taken, subtracted for daily instrument background (except for ambient gamma exposure rates), and plotted on a cumulative probability graph as explained previously. For statistical comparisons (using the "sampling inspection by variables" method), similar areas within Sample Lot 2 were combined together and then analyzed for the specific type of radiation measurement made on the surface. Individual raw measurement data and instrument backgrounds are provided in Appendix A.

Sample lot 2 results are tabulated in Table 6 for comparing the test statistic ($TS = \bar{x} + ks$) with the applicable, established contamination criteria or acceptance limit (U) from Table 3. The corresponding figures for the graphs of each cumulative probability plot are provided at the end of this section. individual sample result calculations used as graph data for Sample Lot 2 are provided in Appendix B.

c) Interpretation of Results for Sample Lot 2

Figures 22 through 30 and Table 6 demonstrate that for each applicable acceptance limit (U) from Table 3, the corresponding test statistic value (TS) is less than the limit or $TS < U$. Therefore, the nine figures for Sample Lot 2 pass the "sampling inspection by variables" test and are "Accepted" as radiologically clean. Or in other words, the Building 005 Sample Lot 2 survey corresponds to assuring with a 90% confidence that 90% of Sample Lot 2 has residual contamination below 100% (a 90/90/100 test) of the applicable NRC, DOE, and State of California limits proscribed in Table 3.

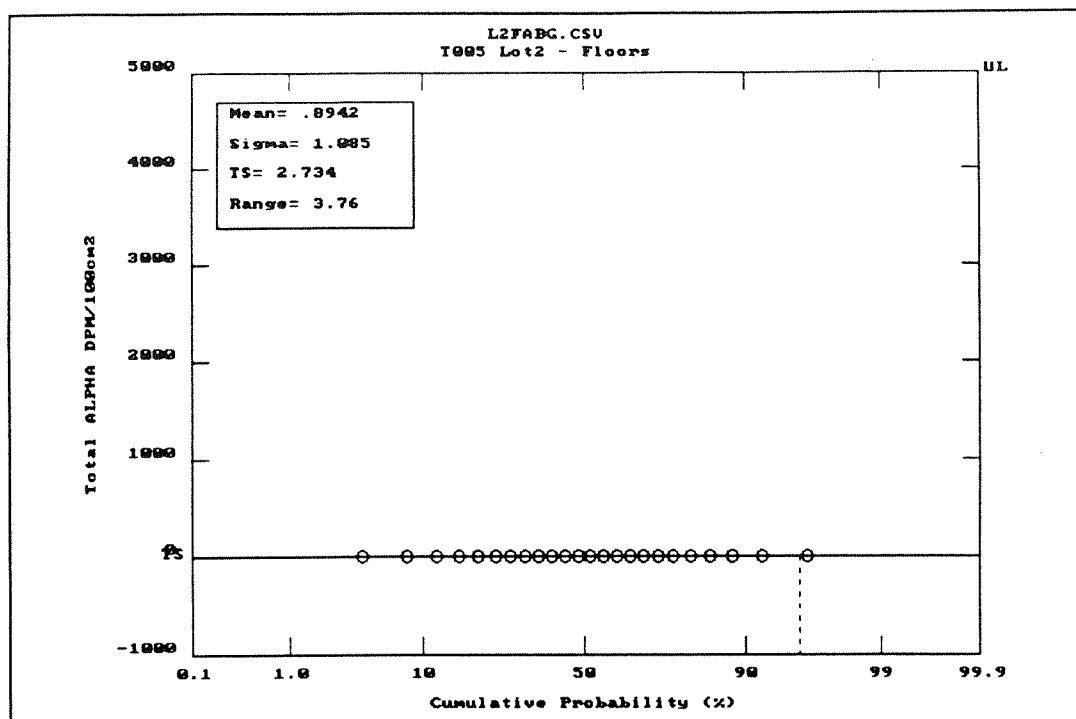
TABLE 6. Sample Lot 2 Results

	Calculated Test Statistic ($TS = \bar{x} + ks$)				
	Total Alpha (dpm/100 cm ²)	Total Beta (dpm/100 cm ²)	Removable Alpha (dpm/100 cm ²)	Removable Beta (dpm/100 cm ²)	Ambient Gamma (μ R/hr)
Acceptance Limit (U)	5000	5000	1000	1000	13.10**
Floors	2.73 (22)*	427.50 (23)*			9.69 (24)*
Walls and Ceiling	2.81 (25)*	242.60 (26)*			
Structure	2.73 (27)*	13.84 (28)*			
Entire Area			3.10 (29)*	9.01 (30)*	

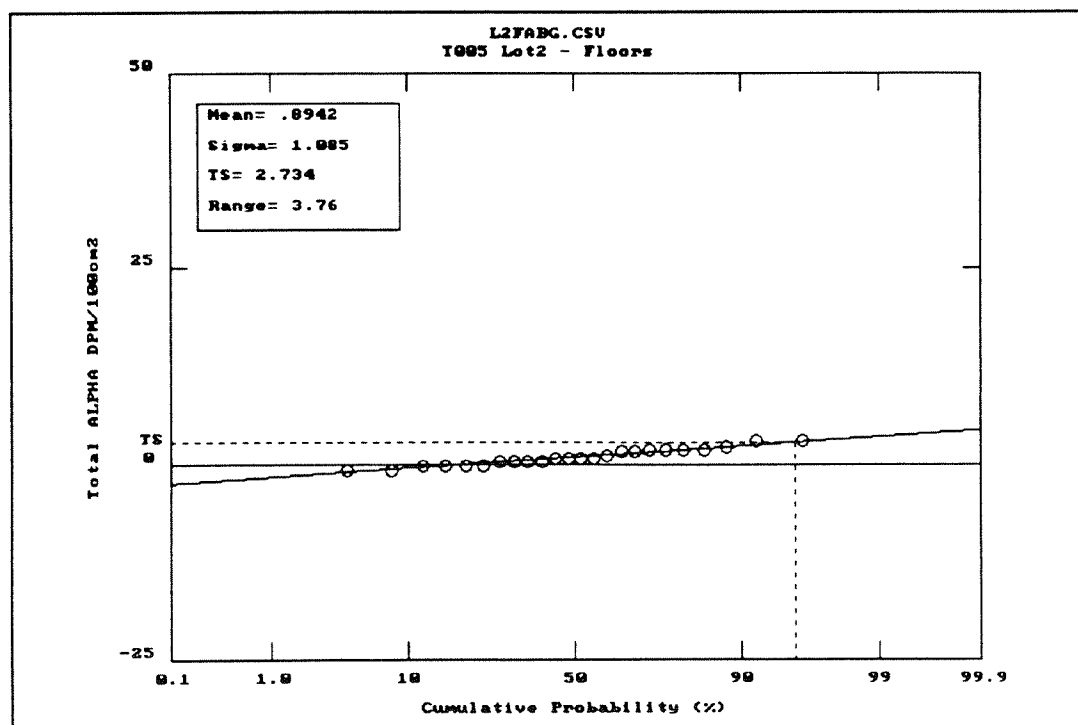
* Numbers in parenthesis refer to figure numbers.

** The acceptance limit for ambient gamma exposure rate in μ R/hr was determined by calculating the average ambient indoor background (8.10 μ R/hr) from 30 locations inside a known uncontaminated building (Building 038) and adding the acceptance criteria from Table 3 (<5 μ R/hr above background) to achieve a final indoor ambient gamma exposure rate limit of 13.10 μ R/hr. All values, excluding the ambient gamma exposure rate, in this table are subtracted for daily instrument background.

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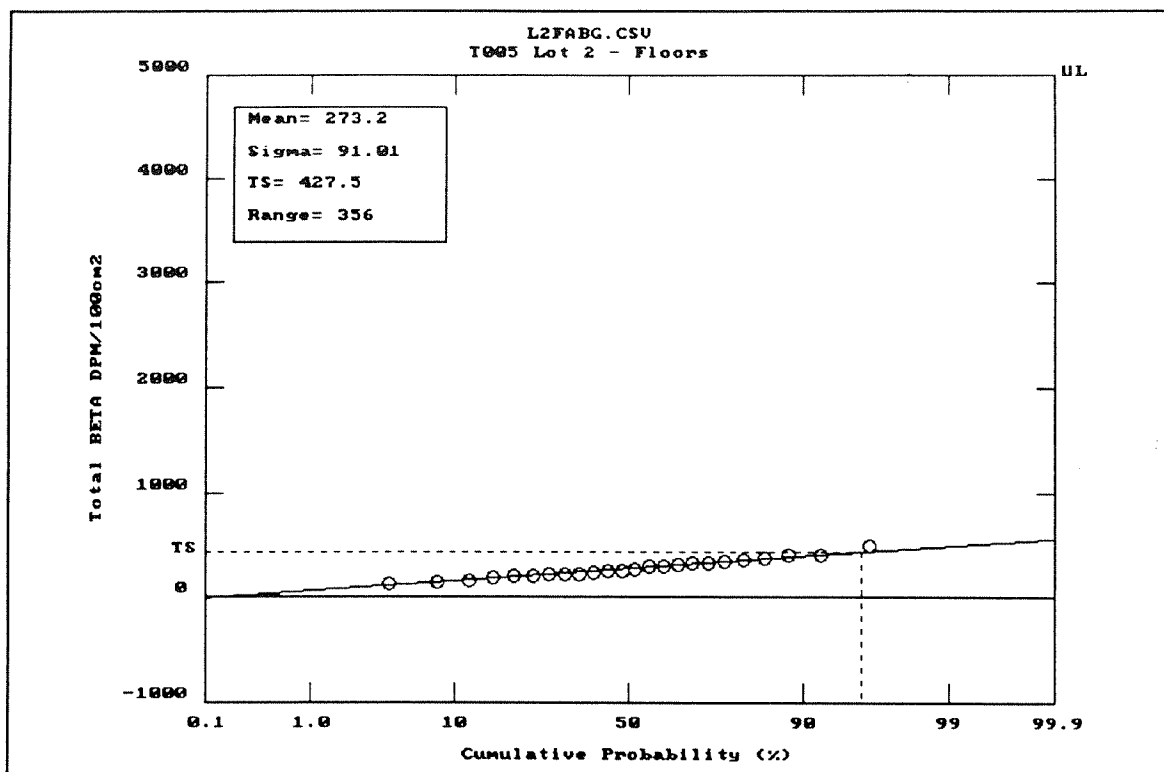


22a.) Scale Including Acceptance Limit (U)

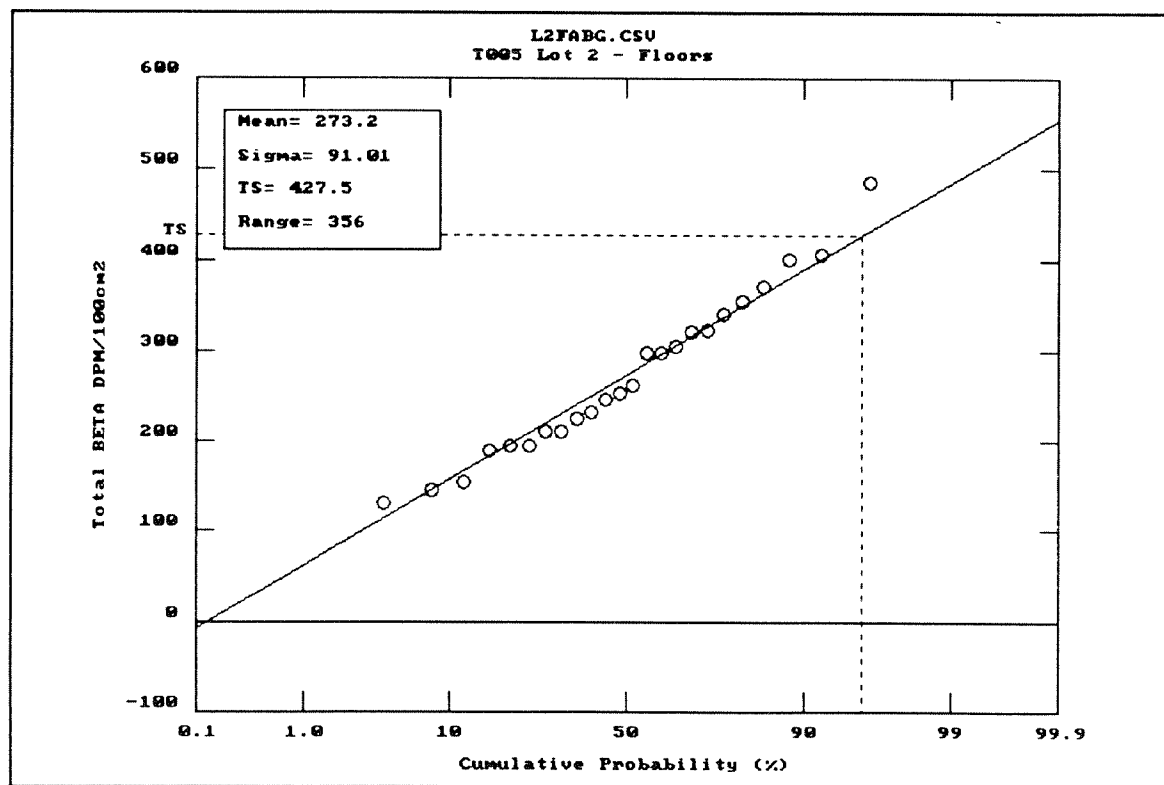


22b.) Expanded Scale

Figure 22. T005 - Lot 2 Floors Total Alpha Activity



23a.) Scale Including Acceptance Limit (U)



23b.) Expanded Scale

Figure 23. T005 - Lot 2 Floors Total Beta Activity

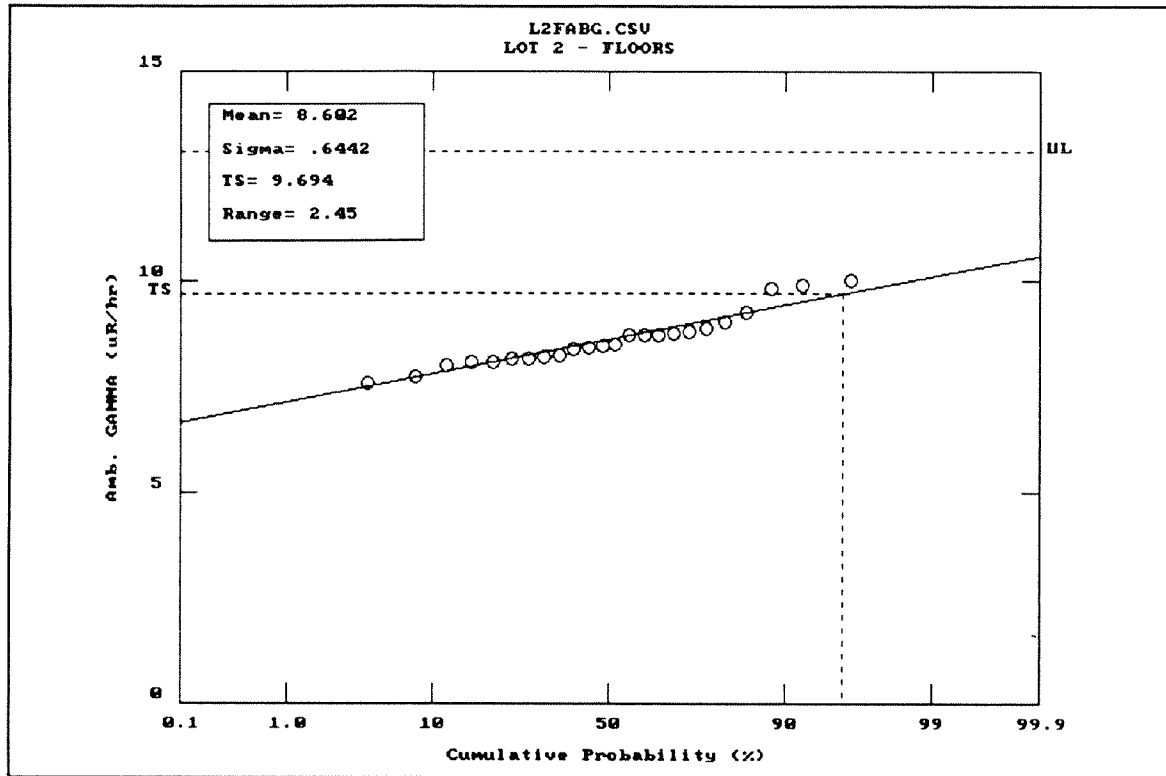
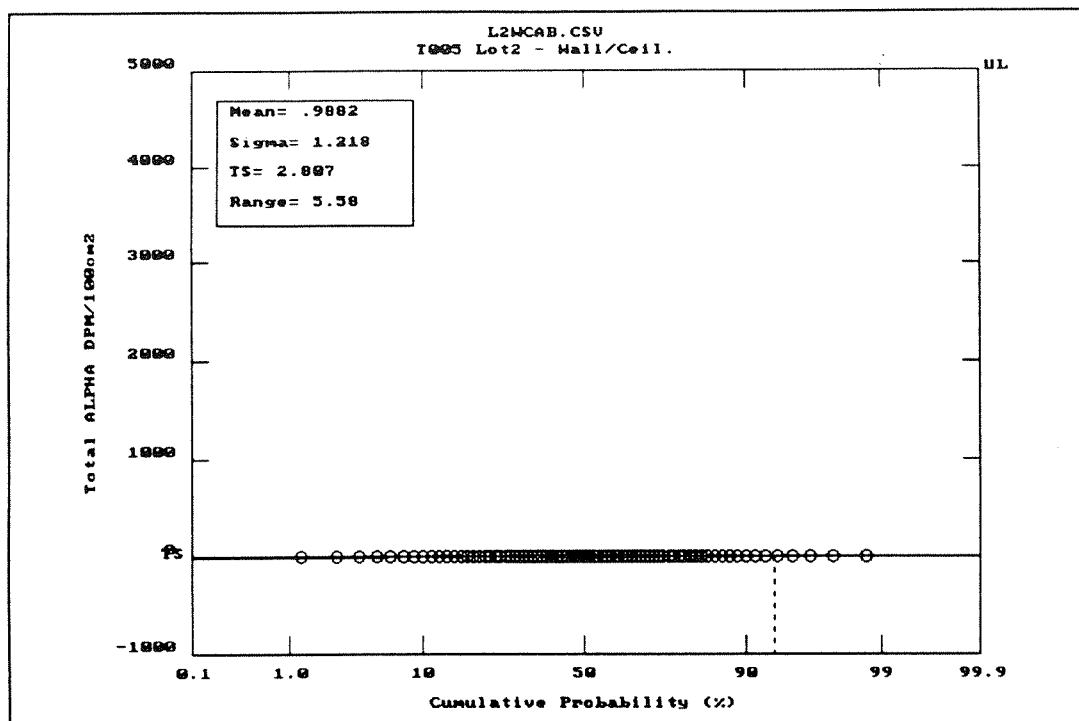
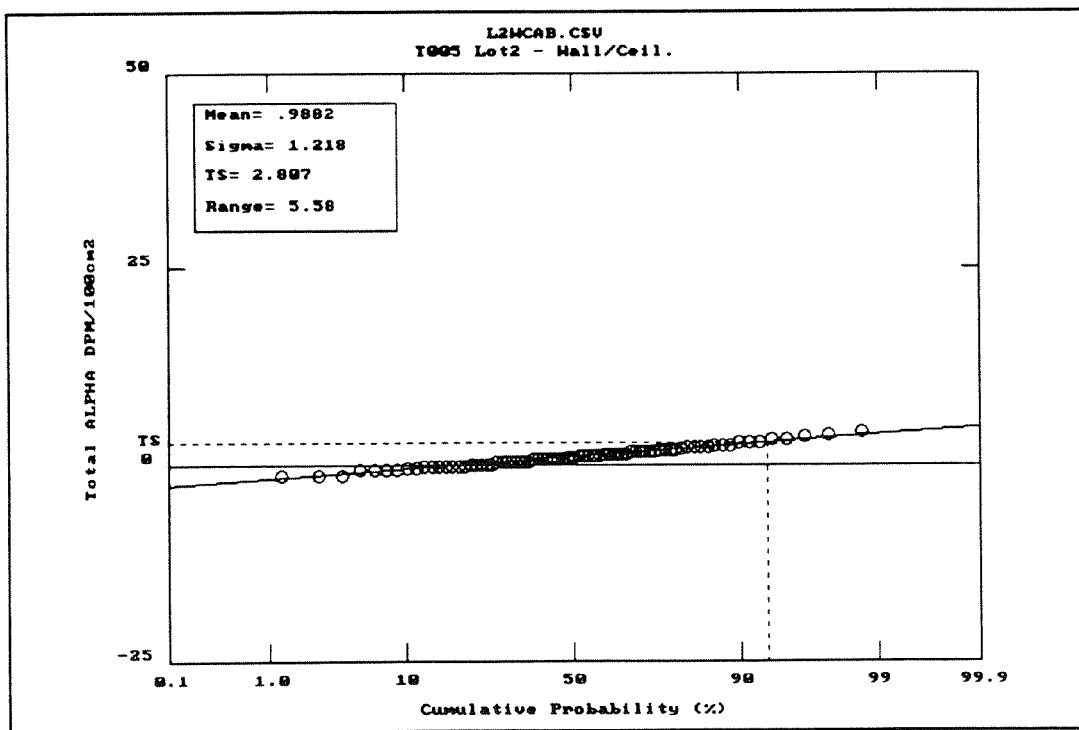


Figure 24. T005 - Lot 2 Floors Ambient Gamma Activity

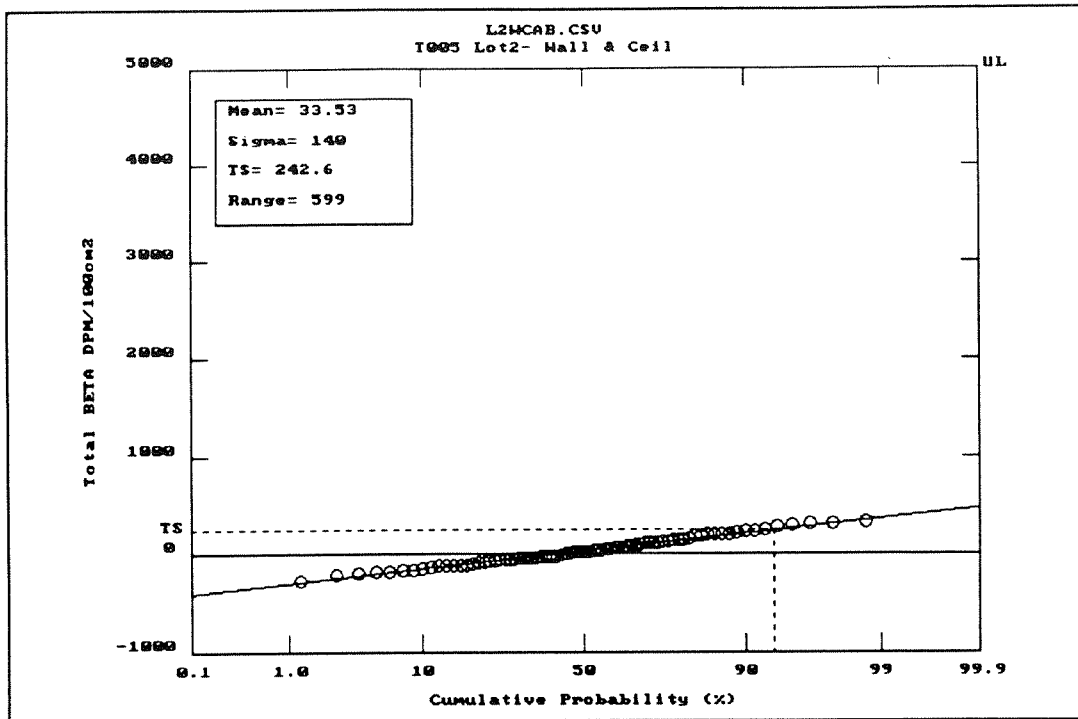


25a.) Scale Including Acceptance Limit (U)

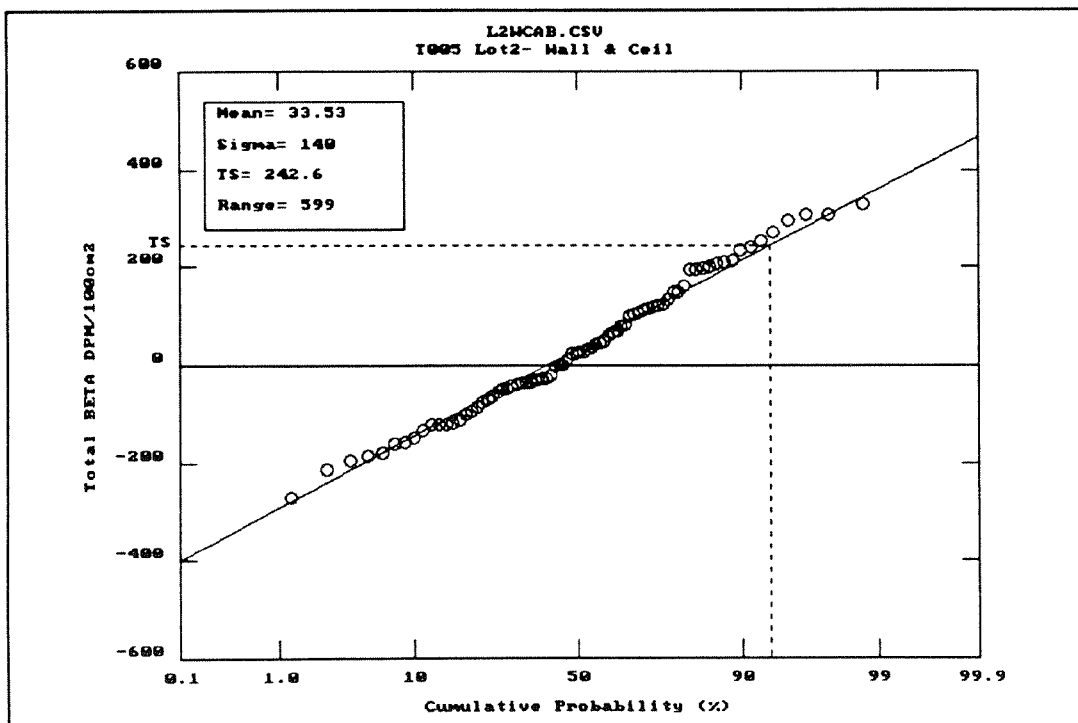


25b.) Expanded Scale

Figure 25. T005 - Lot 2 Walls and Ceiling Total Alpha Activity

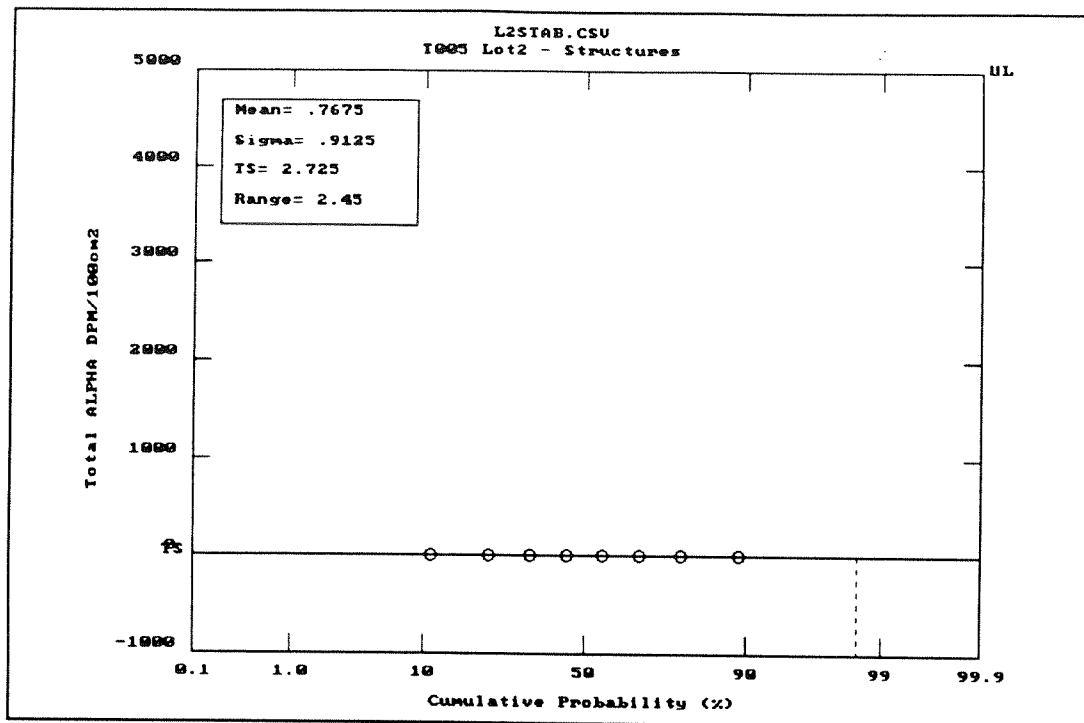


26a.) Scale Including Acceptance Limit (U)

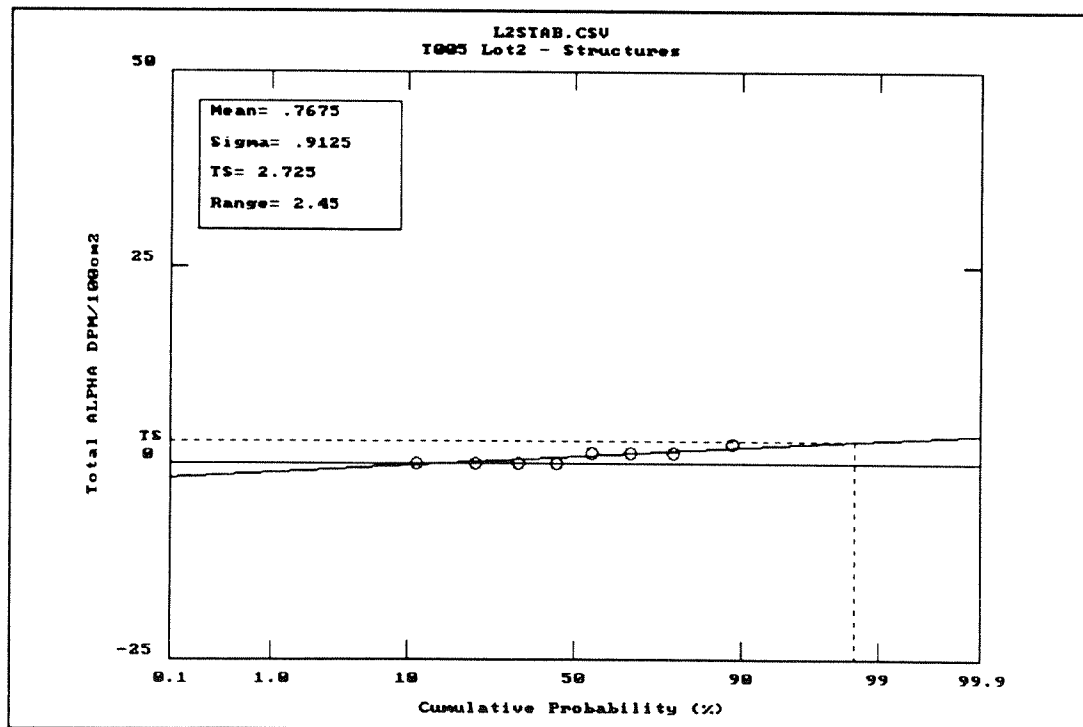


26b.) Expanded Scale

Figure 26. T005 - Lot 2 Walls and Ceiling Total Beta Activity

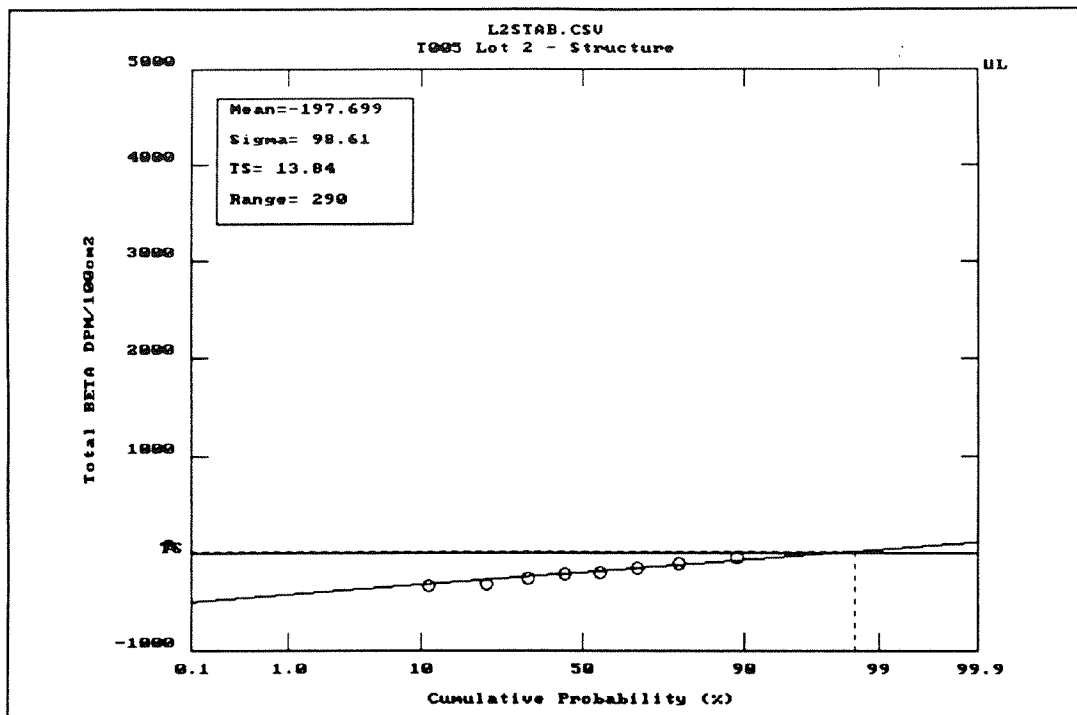


27a.) Scale Including Acceptance Limit (U)

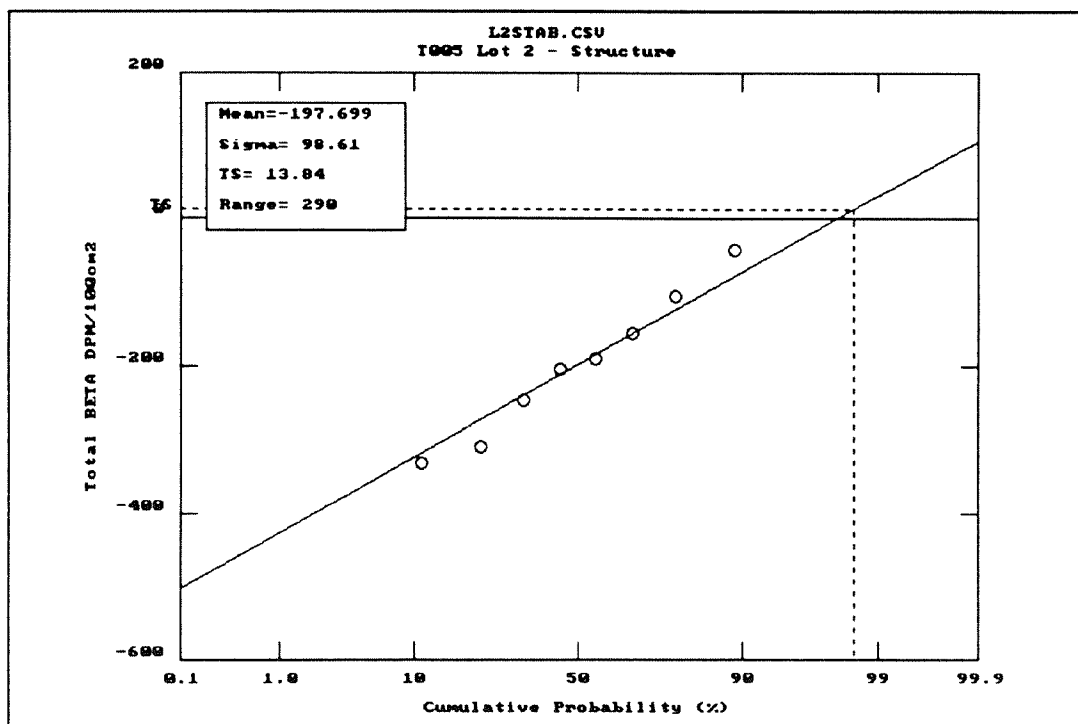


27b.) Expanded Scale

Figure 27. T005 - Lot 2 Structure Total Alpha Activity

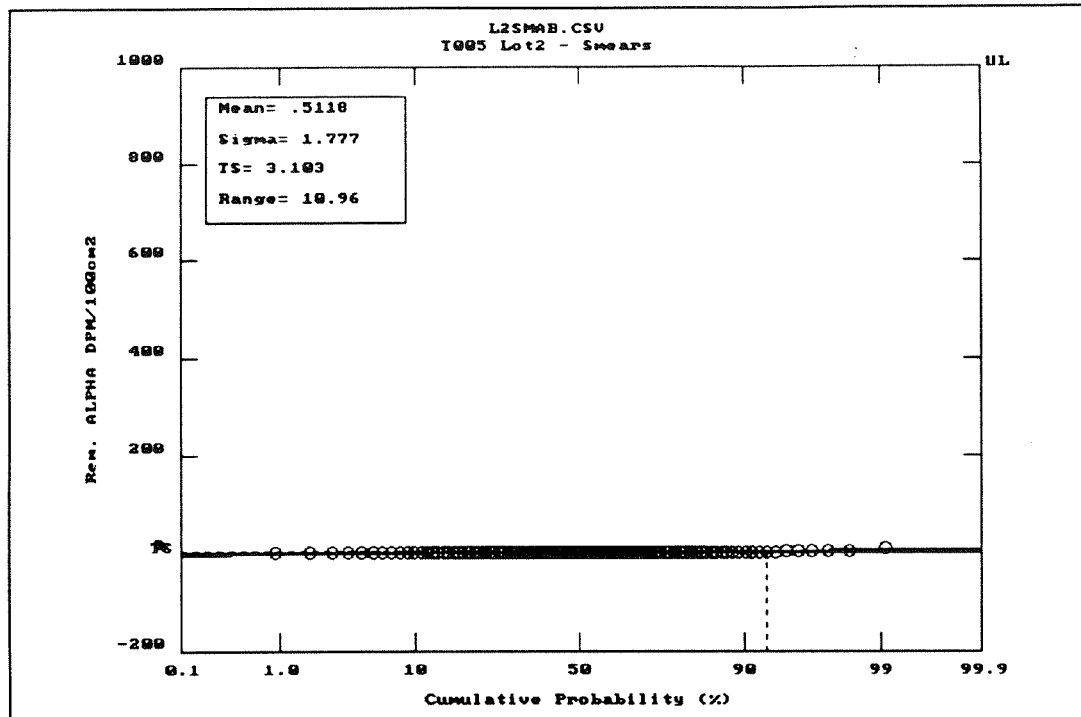


28a.) Scale Including Acceptance Limit (U)

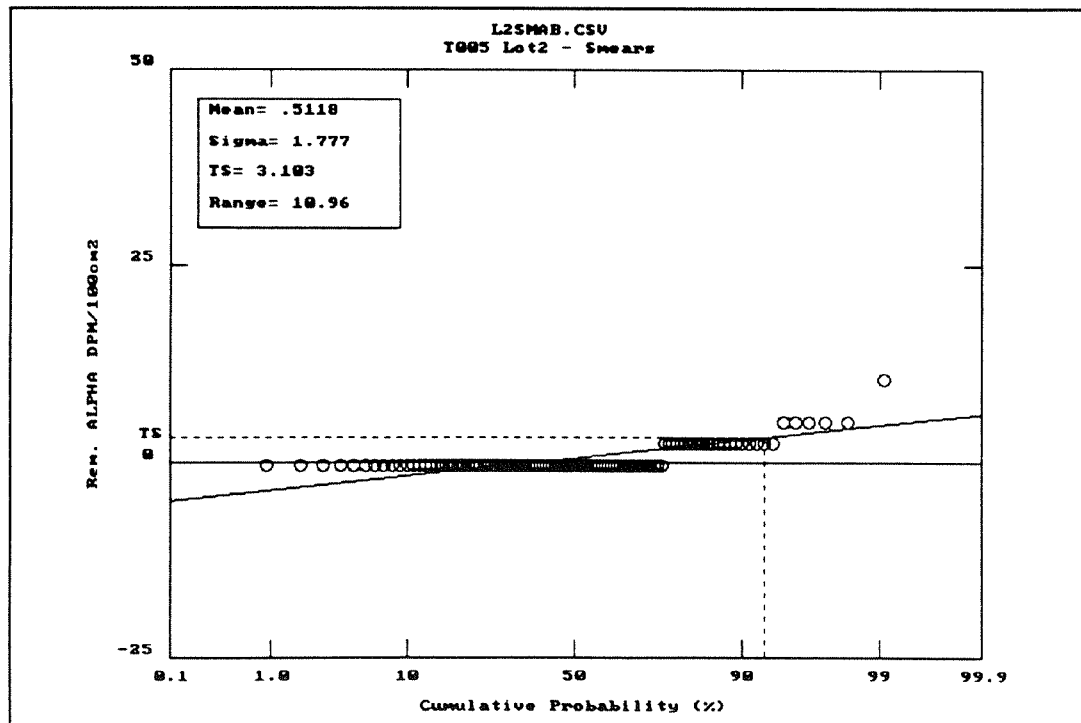


28b.) Expanded Scale

Figure 28. T005 - Lot 2 Structure Total Beta Activity

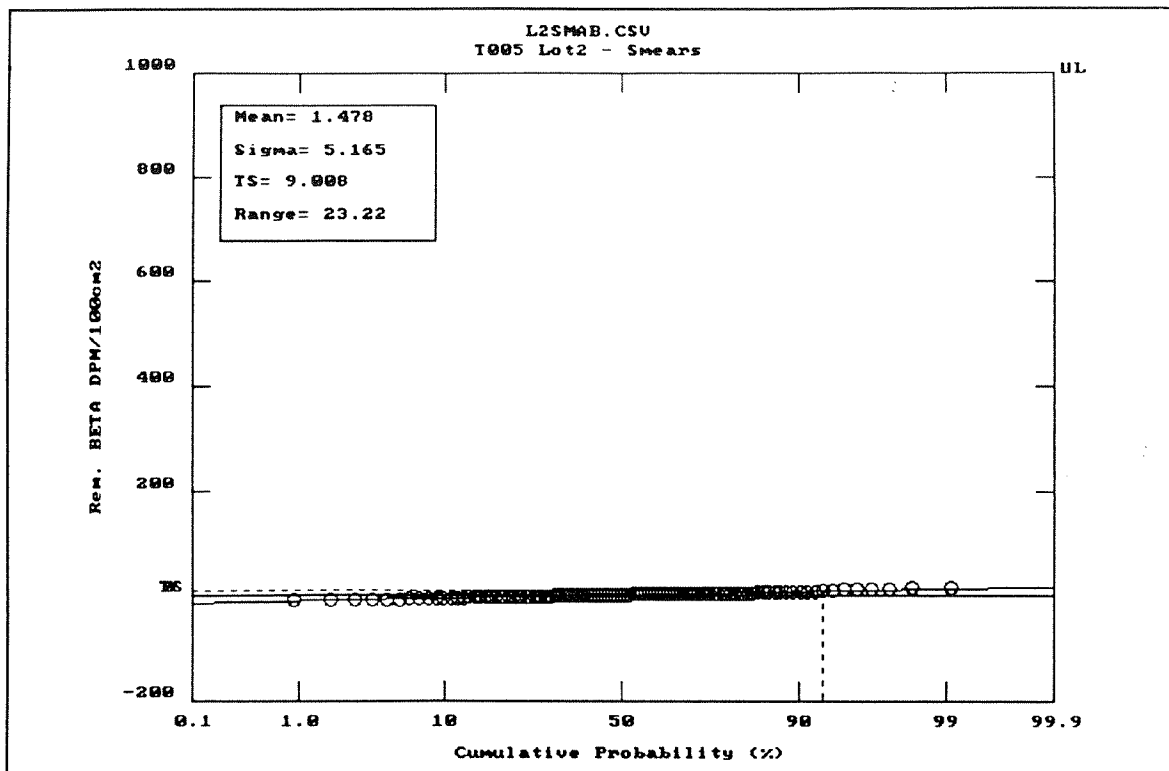


29a.) Scale Including Acceptance Limit (U)

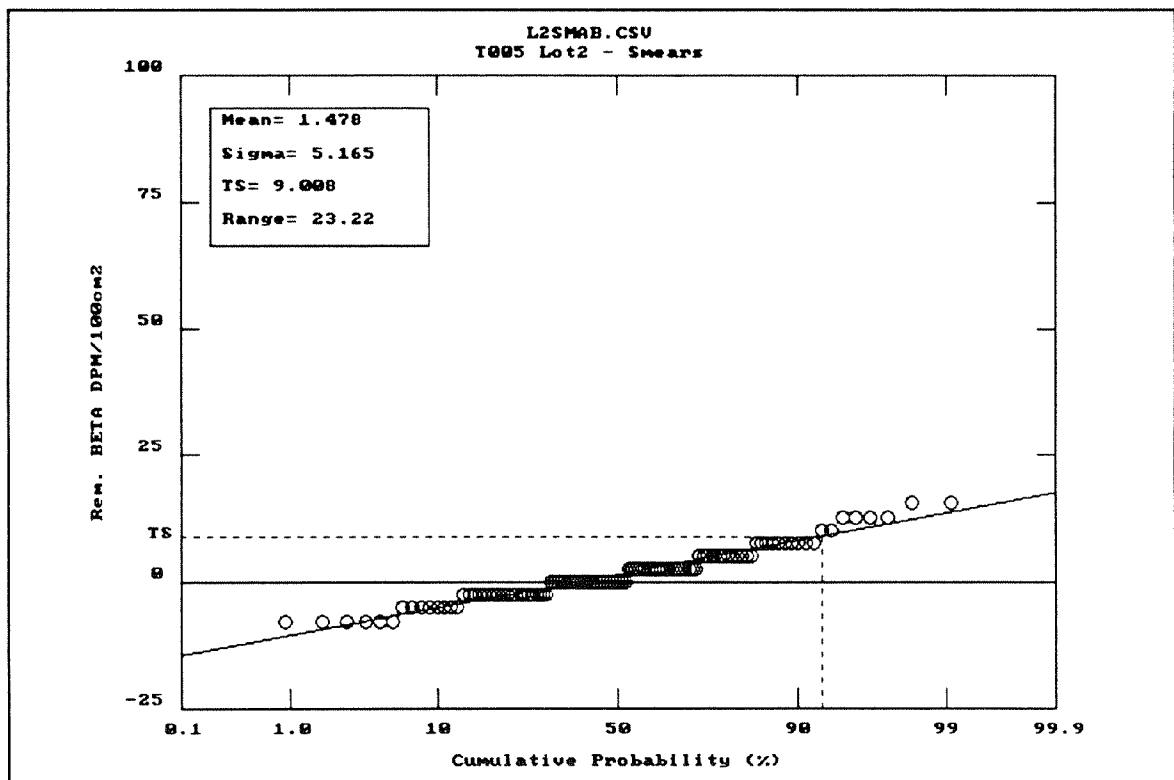


29b.) Expanded Scale

Figure 29. T005 - Lot 2 Removable Alpha Activity



30a.) Scale Including Acceptance Limit (U)



30b.) Expanded Scale

Figure 30. T005 - Lot 2 Removable Beta Activity

3. Sample Lot 3

a) Description

Sample Lot 3, located in the exterior of Building 005 to the north and east, contains asphalt pavement. The asphalt was put down in 1973 over the existing surface. A dirt lot area existed when the facility was actively involved in fuel processing and surveys of the area, before the paving was put down, were not found in the historical records. This required soil sampling underneath the asphalt to determine the radiological condition. Locations with respect to other Building 005 areas are shown in Figure 8.

b) Analyses of Sample Lot 3 Data

Raw data measurements for total beta and ambient gamma in Sample Lot 3 were taken, subtracted for daily instrument background (except for ambient gamma exposure rates), and plotted on a cumulative probability graph as explained previously. Additionally, soil samples were taken underneath the existing asphalt and analyzed for uranium (U-234, U-235, and U-238) content by gamma spectroscopy. For statistical comparisons (using the "sampling inspection by variables" method), all areas within Sample Lot 3 were combined together and then analyzed for the specific type of radiation measurement made on the surface. Individual raw measurement data and instrument backgrounds are provided in Appendix A.

Sample Lot 3 results are tabulated in Table 7 for comparing the test statistic ($TS = x + ks$) with the applicable, established contamination criteria or acceptance limit (U) from Table 3. The corresponding figures for the graphs of each cumulative probability plot are provided at the end of this section. Individual sample result calculations used as graph data for Sample Lot 3 are provided in Appendix B.

c) Interpretation of Results for Sample Lot 3

Figure 31 demonstrates that the surface contamination limit for the Total Beta activity, corresponding to the test statistic (TS) value provided in Figure 31, is less than applicable acceptance limit (U) from Table 3 (or $TS < U$).

Figure 32 demonstrates that the ambient gamma exposure rate, corresponding to the test statistic value (TS) provided in Figure 32, is less than applicable acceptance limit (8) from Table 3 (or $TS < U$).

These two figures for Sample Lot 3 pass the "sampling inspection by variables" test and are "Accepted" as radiologically clean. Table 7 contains a summary of the test statistics (TS's) versus the acceptance limits (U's) for these values.

Figures 33 through 35 and the corresponding summary in Table 7 show the results from the soil sampling analyses and bear further discussion. Fifty-nine 0.5-liter soil samples were analyzed by gamma spectroscopy to determine the uranium content. samples were analyzed by gamma spectroscopy to determine the uranium content. Acceptance Limits (U) in Table 3 for U-234, U-235, U-238 were determined by using RESRAD4.

Soil analyses by gamma spectroscopy reveal results for Th-234 (as an indicator for U-238) and U-235. Since U-234 was not directly observed, some

assumptions were made to compare RESRAD4 limits in Table 3 and the resulting test statistics in the figures. First, in natural uranium in soil, the equilibrium radioactivity of Th-234 is equal to the activity of U-234 and U-238 (and all the daughters of uranium as well), so that the test statistic for the observed Th-234 (1.564 pci/gram, see Figure 34) is equal to an assumed test statistic for U-234 and U-238, if the uranium has the natural isotopic compositions. Secondly, local soil contains approximately 1 to 2 pci/gram uranium in equilibrium and the 1.564 pCi/gram for Th-234 (i.e., U-234 and U-238) is a reasonable value. Thirdly, for natural uranium in soil (the natural enrichment of uranium is 0.72%), the activity ratio between U-238 to U-235 is 22:1. The observed activity ratio for Th-234 to U-235 is 1.564/0.06533 (see Figures 34 and 35) or 24:1, so natural uranium exists in the Building 005 samples. Lastly, soil also contains natural K-40 from 10 to 30 pCi/gram results from the Building 005 samples show a test statistic of 23 pCi/gram (Figure 33) demonstrating the reasonableness of the soil analyses since K-40 was never used at Building 005, but is present only as a natural constituent of soil.

Additional analyses of the soil from Sample Lot 3 support historical records which indicate that only clean (unirradiated) uranium fuel was processed at Building 005. The analyses for Cs-137 (a fission product from used fuel) show background levels in the range from 0.0027 to 0.3028 pCi/gram with an average of 0.0293 pCi/gram, which is consistent with reported values from global nuclear bomb testing in the '50's and '60's. Co-60, an activation product from nuclear reactor operations, was also analyzed for and none was detected (Minimum Detectable Activity, MDA = 0.03 pCi/gram).

Figures 33 through 35 and Table 7 demonstrate that for each applicable acceptance limit (U) from Table 3, the corresponding test statistic value (TS) is less than the limit (U) or $TS < U$. The soil contamination limits from Table 3 for Sample Lot 6 pass the "sampling inspection by variables" test and are "Accepted" as radiologically clean.

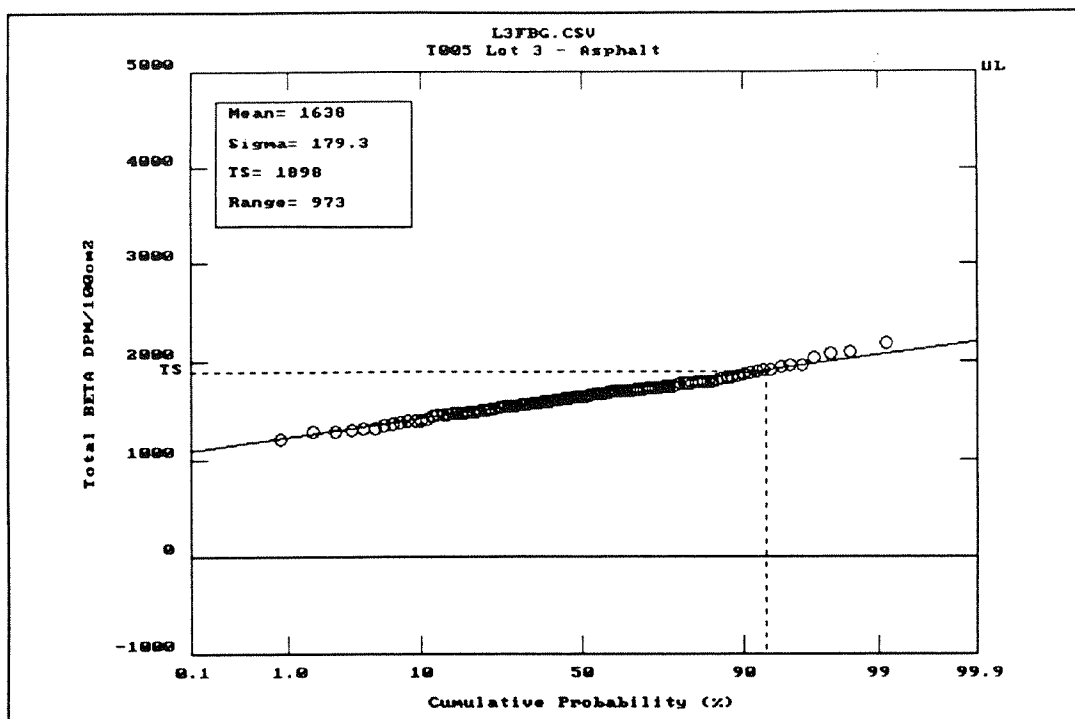
Therefore, the building 005 Sample Lot 3 survey corresponds to assuring with a 90% confidence that 90% of Sample Lot 3 has residual contamination below 100% (a 90/90/100 test) of the applicable NRC, DOE, and State of California limits proscribed in Table 3.

TABLE 7. Sample Lot 3 Results

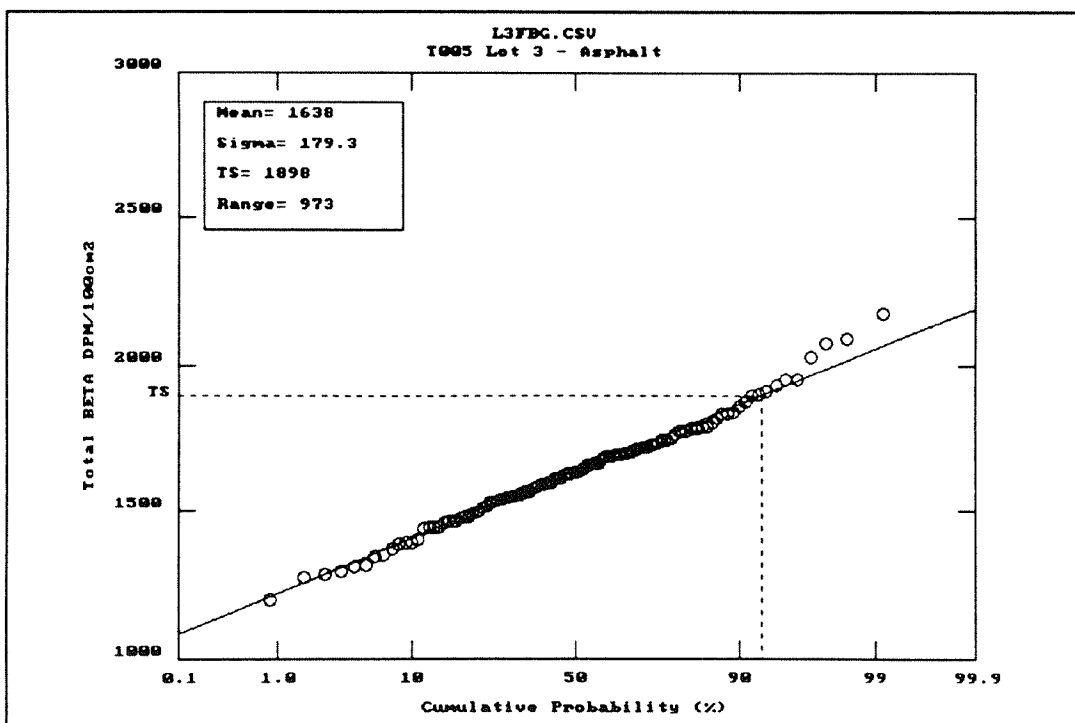
	Calculated Test Statistic ($TS = \bar{x} + ks$)					
	Total Beta (dpm/100 cm ³)	Ambient Gamma (mR/hr)	U-234 Soil Activity (pCi/gram)	U-235 Soil Activity (pCi/gram)	U-238 Soil Activity (pCi/gram)	K-40 Soil Activity (pCi/gram)
Acceptance Limit (U)	5,000	20.27**	23.17	5.54	24.55	None (shown for normal distribution of data)
Entire Lot Surface	1898 (31)*	14.23 (32)*				
0.5 liter Soil Samples Underneath Asphalt			1.56 (34)*	0.065 (35)*	1.56 (34)*	23.02 (33)*

* Numbers in parenthesis refer to figure numbers.

** The acceptance limit for exterior ambient gamma exposure rate in $\mu\text{R/hr}$ was determined by using the average ambient outdoor background exposure rate for 90 locations in SSFL Area I (15.27 $\mu\text{R/hr}$) from Reference 14 (page 83) and then adding the acceptance criteria from Table 3 (<5 $\mu\text{R/hr}$ above background) to achieve a final exterior ambient gamma exposure rate limit of 20.27 $\mu\text{R/hr}$. All values, except the ambient gamma exposure rate, in this table are subtracted for daily instrument background.



31a.) Scale Including Acceptance Limit (U)



31b.) Expanded Scale

Figure 31. T005 - Lot 3 Asphalt Total Beta Activity

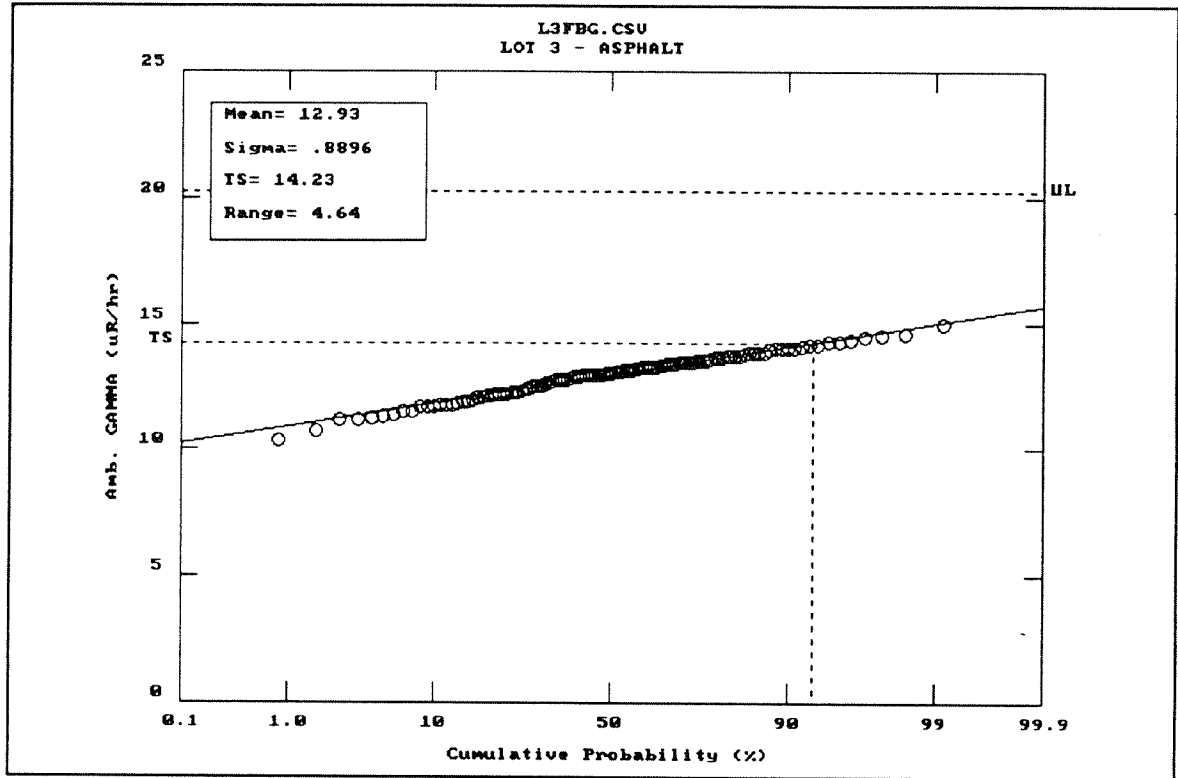


Figure 32. T005 - Lot 3 Asphalt Ambient Gamma Activity

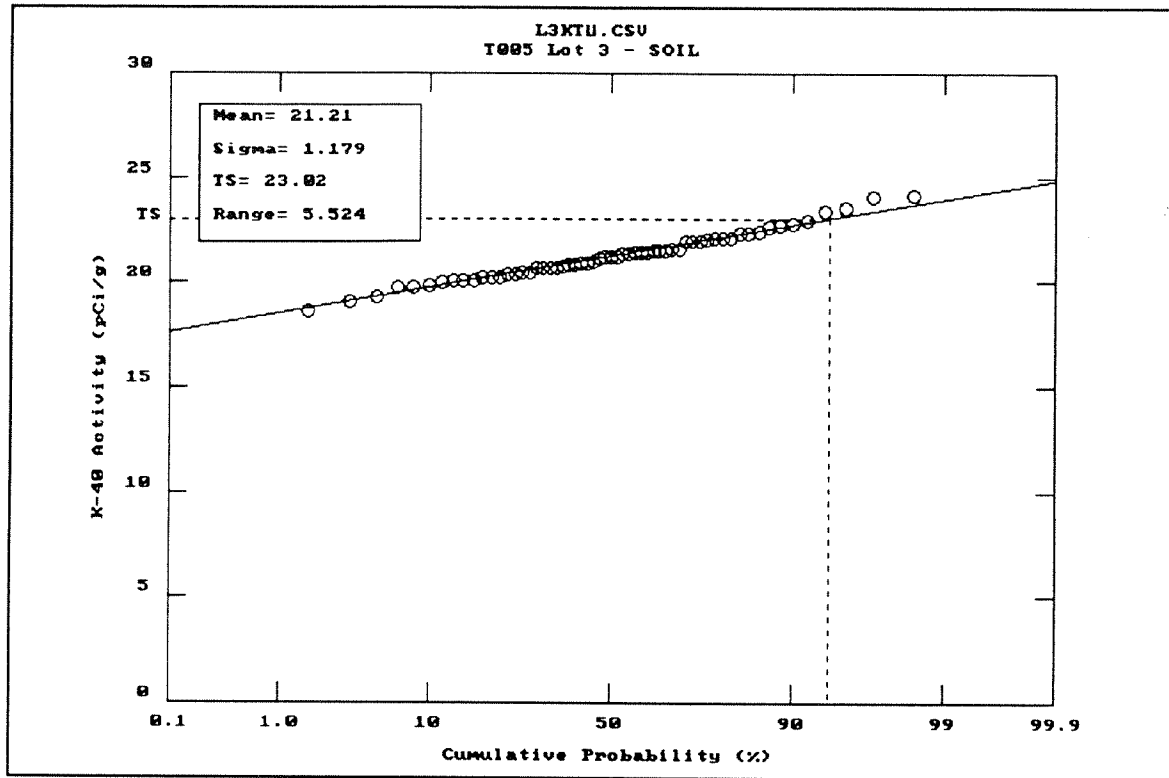
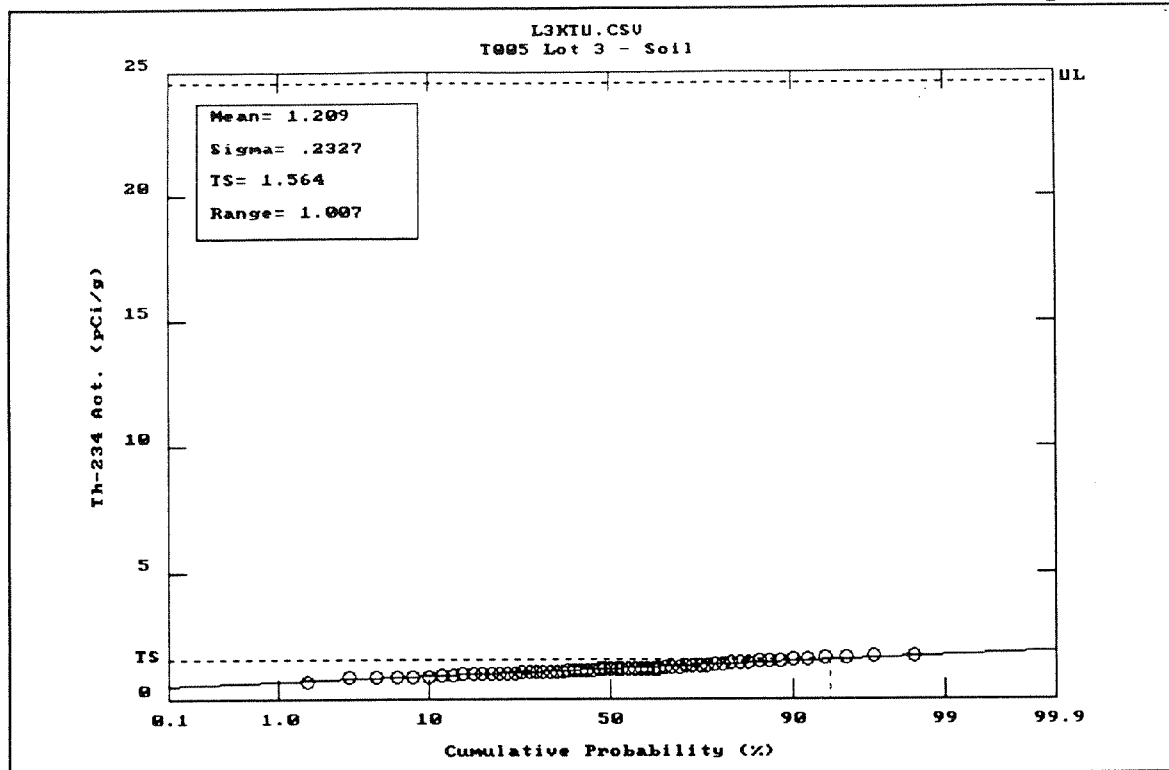
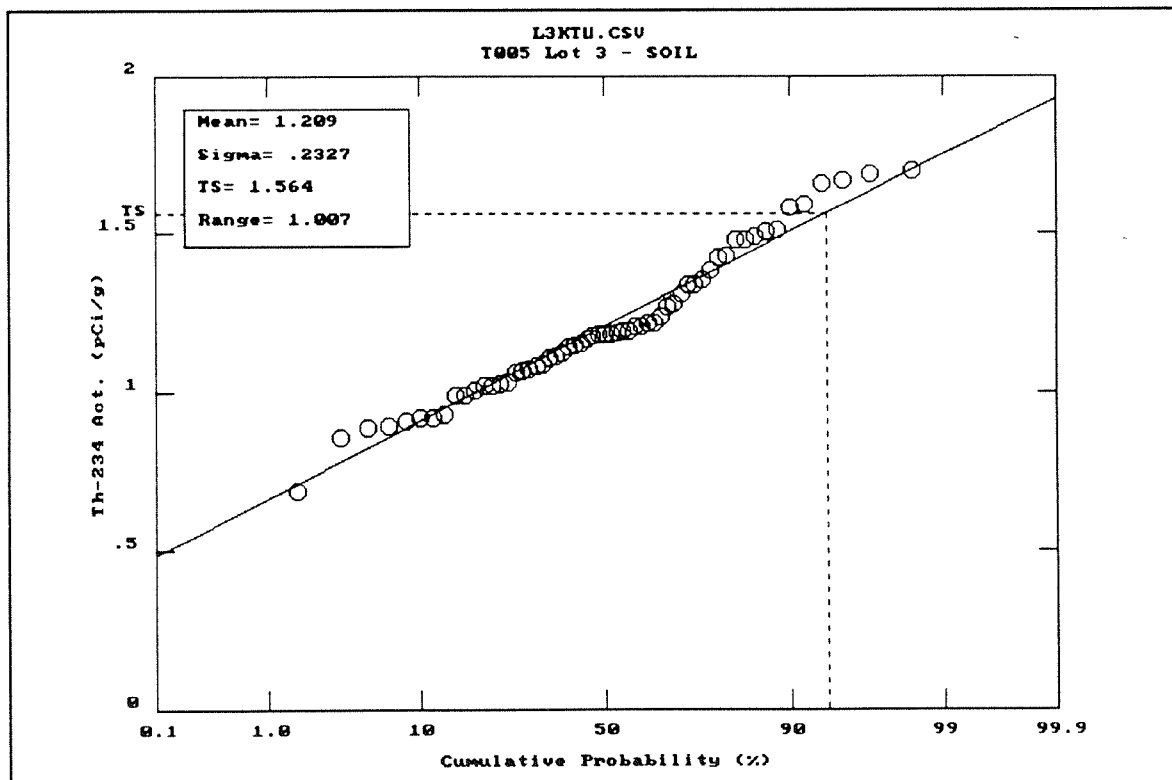


Figure 33. T005 - Lot 3 Natural K-40 Soil Activity

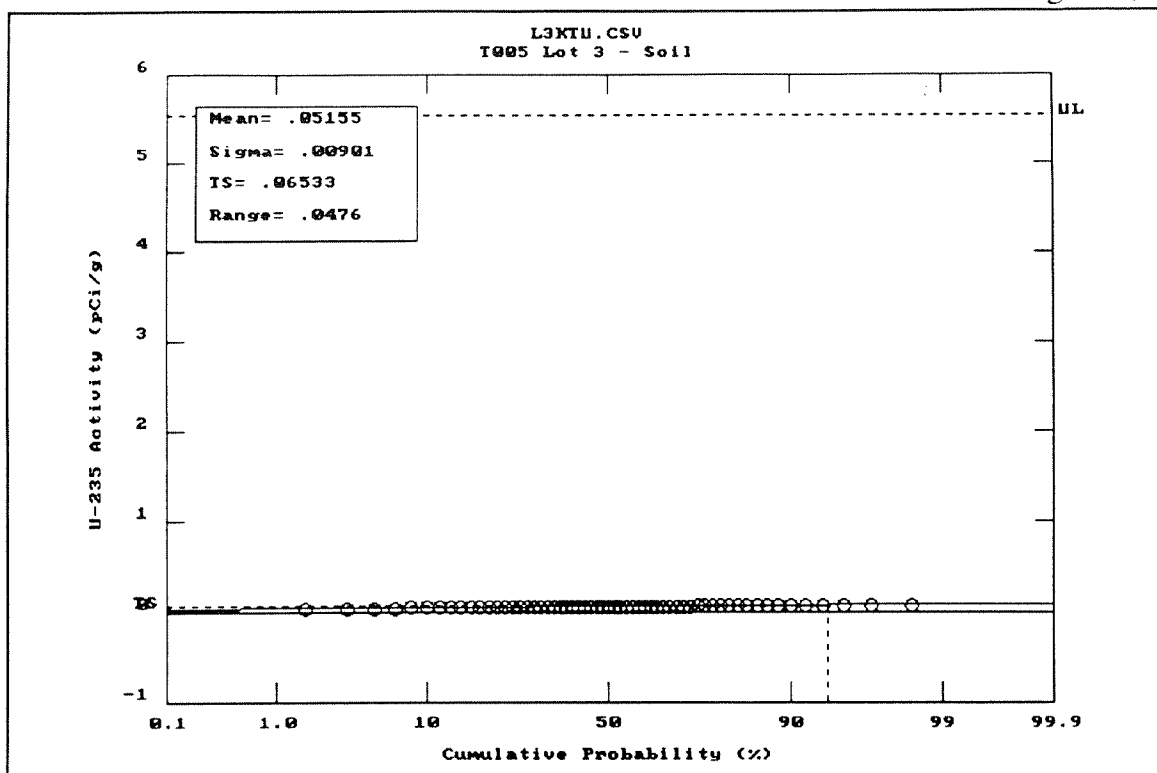


34a.) Scale Including Acceptance Limit (U)

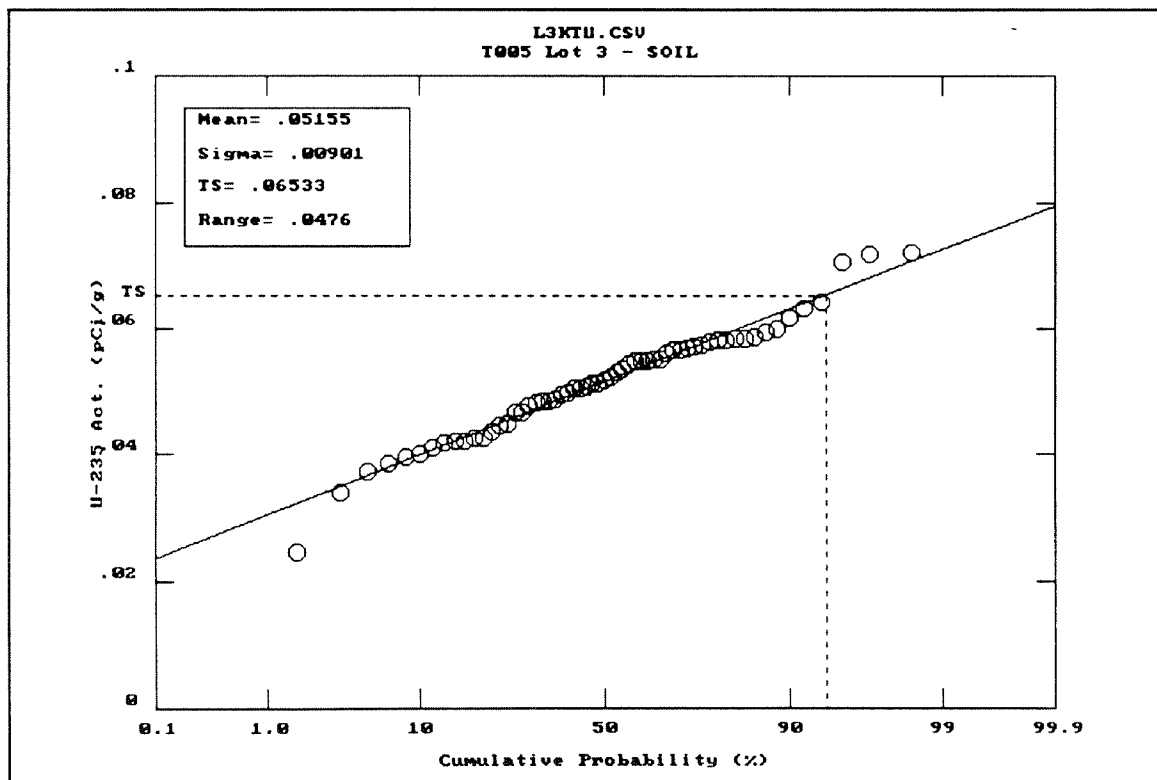


34b.) Expanded Scale

Figure 34. T005 - Lot 3 TH-234 (U-238 and U-234 indicator) Soil Activity



35a.) Scale Including Acceptance Limit (U)



35b.) Expanded Scale

Figure 35. T005 - Lot 3 U-235 Soil Activity

TABLE 8. Sample Lot 4 Results

	Calculated Test Statistic ($TS = \bar{x} + ks$)				
	Total Alpha (dpm/100 cm ²)	Total Beta (dpm/100 cm ²)	Removable Alpha (dpm/100 cm ²)	Removable Beta (dpm/100 cm ²)	Ambient Gamma (μ R/hr)
Acceptance Limit (U)	5000	5000	1000	1000	13.10**
Floors and Walls	15.67 (36)*	1432.00 (37)*			7.33 (38)*
Structure	6.32 (39)*	337.40 (40)*			
Entire Area			2.95 (41)*	14.06 (42)*	

* Numbers in parenthesis refer to figure numbers.

** The acceptance limit for ambient gamma exposure rate in μ R/hr was determined by calculating the average ambient indoor background (8.10 μ R/hr) from 30 locations inside a known uncontaminated building (Building 038) and adding the acceptance criteria from Table 3 (<5 μ R/hr above background) to achieve a final indoor ambient gamma exposure rate limit of 13.10 μ R/hr. All values, except for ambient gamma exposure rate, in this table are subtracted for daily instrument background.

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4. Sample Lot 4

a) Description

Sample Lot 4, located above rooms 110, 113, 115, and the interior hallways in the attic or drop ceiling area of Building 005. The attic area contained ventilation ducting from the fuel processing system and was part of the controlled area when the facility was actively involved in fuel processing. This area underwent significant D&D operations to remove the contaminated ducting which drew air from the fuel machining rooms. Locations with respect to other Building 005 areas are shown in Figure 7.

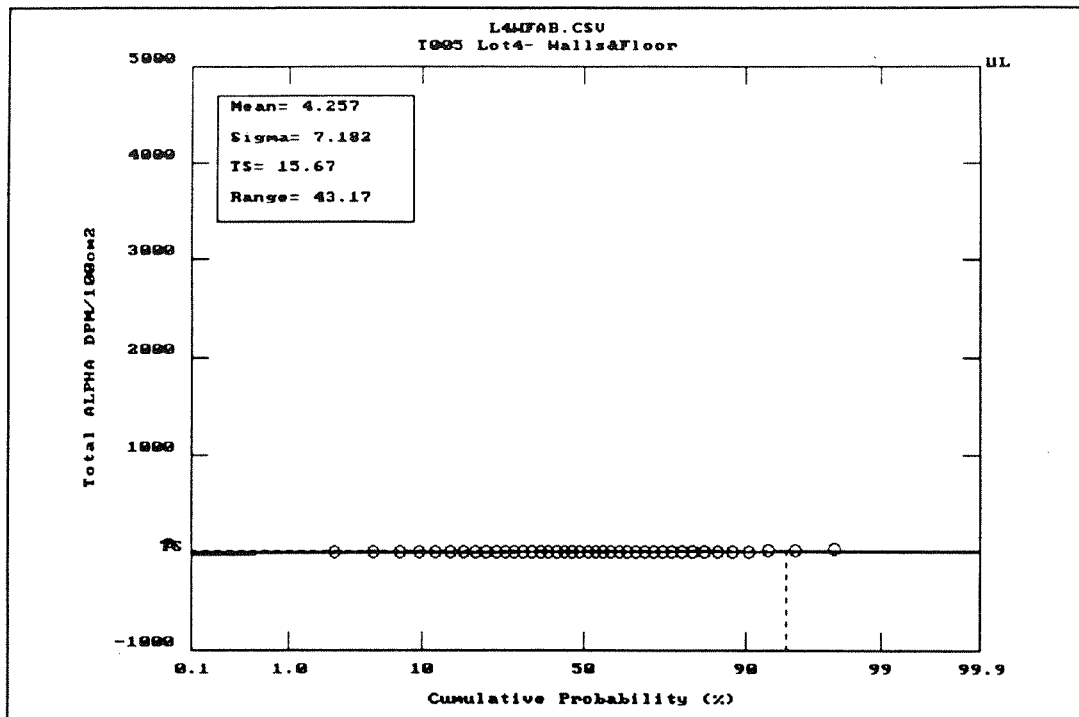
b) Analyses of Sample Lot 4 Data

Raw data measurements for Sample Lot 4 were taken, subtracted for daily instrument background (except for ambient gamma exposure rate), and plotted on a cumulative probability graph as explained previously. For statistical comparisons (using the "sampling inspection by variables" method), similar areas within Sample Lot 4 were combined together and then analyzed for the specific type of radiation measurement made on the surface. Individual raw measurement data and instrument backgrounds are provided in Appendix A.

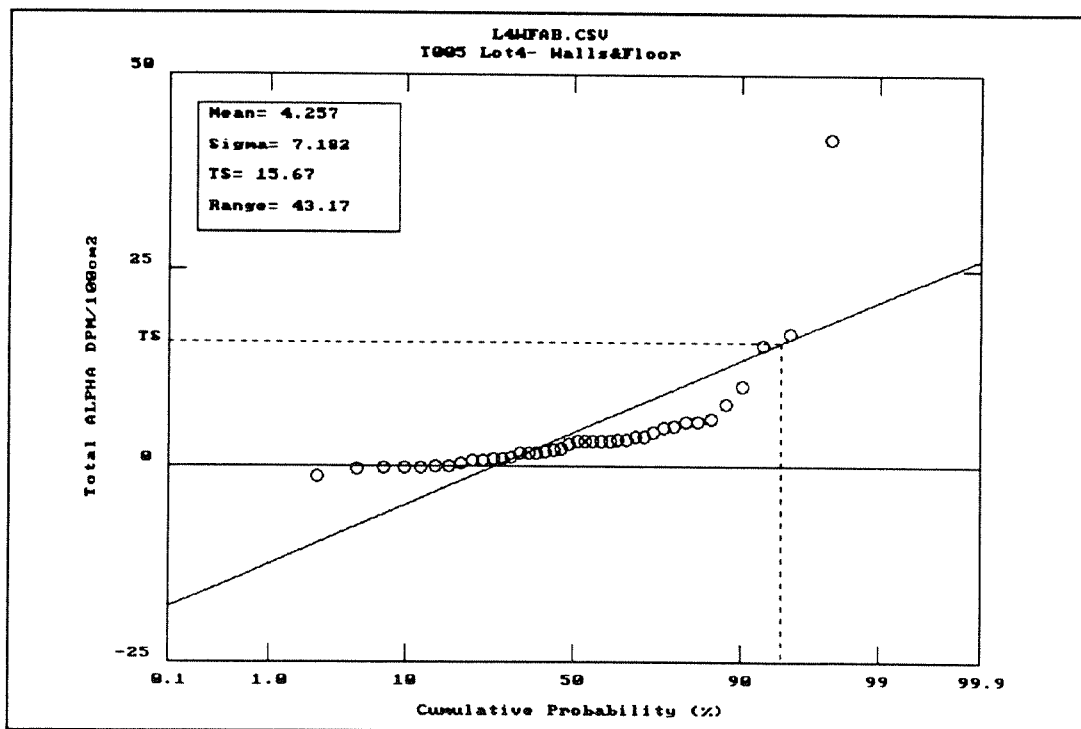
Sample Lot 4 results are tabulated in Table 8 for comparing the test statistic ($TS = \bar{x} + ks$) with the applicable, established contamination criteria or acceptance limit (U) from Table 3. The corresponding figures for the graphs of each cumulative probability plot are provided at the end of this section. Individual sample result calculations used as graph data for Sample Lot 4 are provided in Appendix B.

c) Interpretation of Results for Sample Lot 4

Figures 36 through 42 and Table 8 demonstrate that for each applicable acceptance limit (U) from Table 3, the corresponding test statistic value (TS) is less than the limit (or $TS < U$). Three "Hot spots" for the total alpha and total beta measurements were detected in the attic sample lot. These measurements were included in the data analyses but were cleaned up at the time the surveys were performed to be consistent with ALARA principles. These "hot spots" are shown on Figures 36 and 37 as deviations from the statistical distribution (high values). The "sample inspection by variables" test passed, showing that the need for further surveying to meet the acceptance criteria from Table 3 was unwarranted. The remaining seven figures for Sample Lot 4 also pass the "sampling inspection by variables" test and are "Accepted" as radiologically clean. Or in other words, the Building 005 Sample Lot 4 survey results correspond to assuring with a 90% confidence that 90% of Sample Lot 4 has residual contamination below 100% (a 90/90/100 test) of the applicable NRC, DOE, and State of California limits proscribed in Table 3.



36a.) Scale Including Acceptance Limit (U)



36b.) Expanded Scale

Figure 36. T005 - Lot 4 Attic Floors and Walls Total Alpha Activity

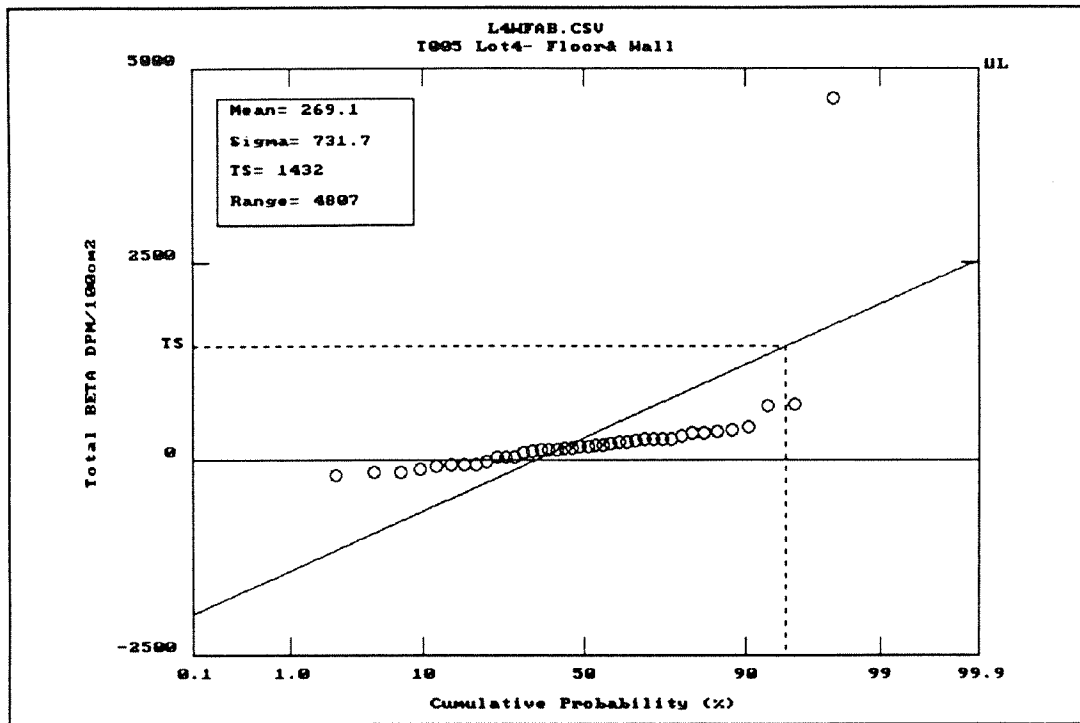


Figure 37. T005 - Lot 4 Attic Floors and Walls Total Beta Activity

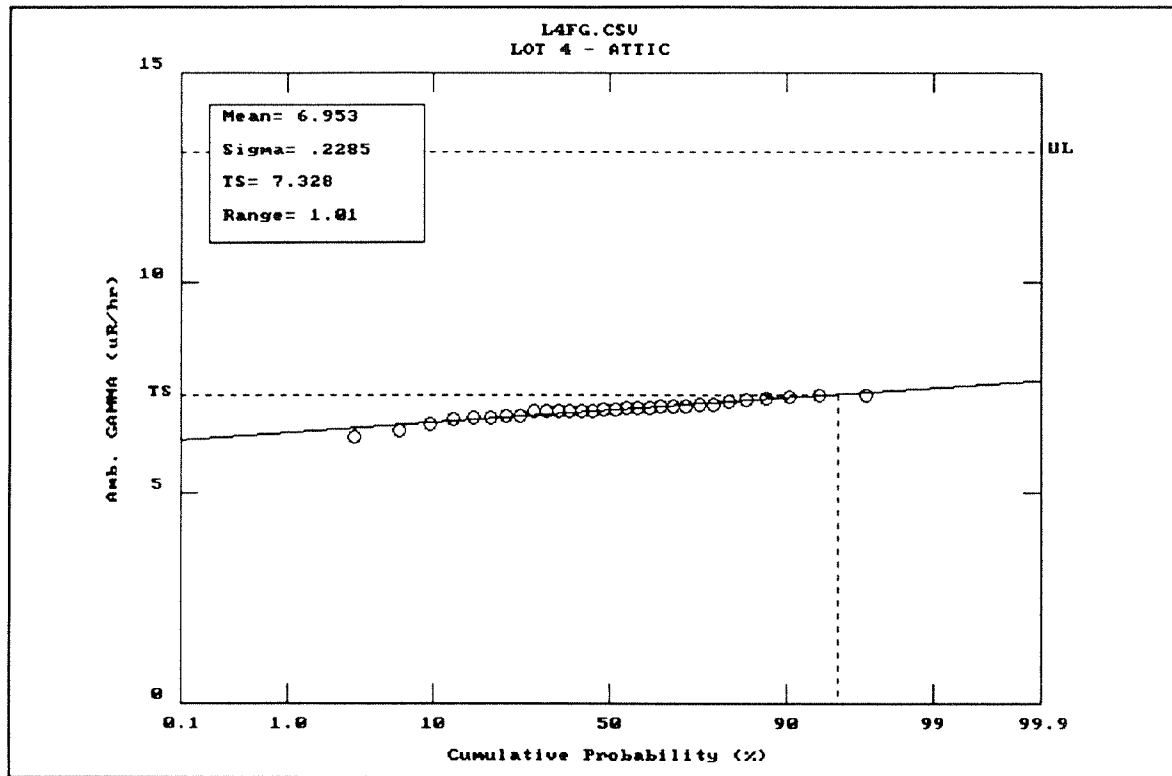
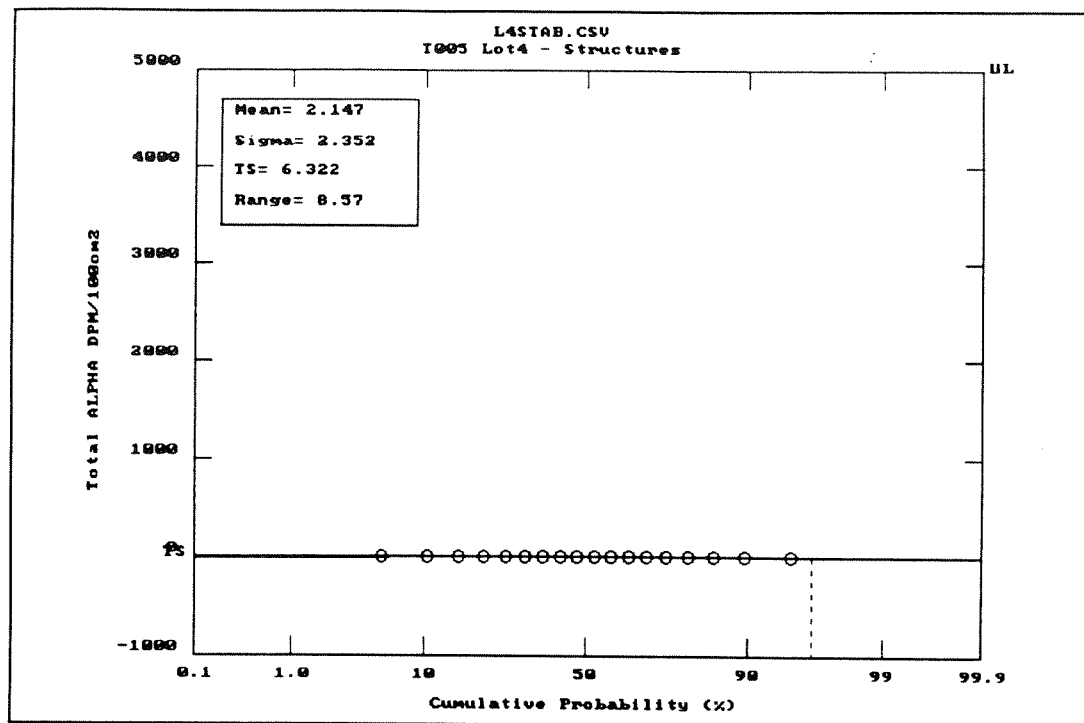
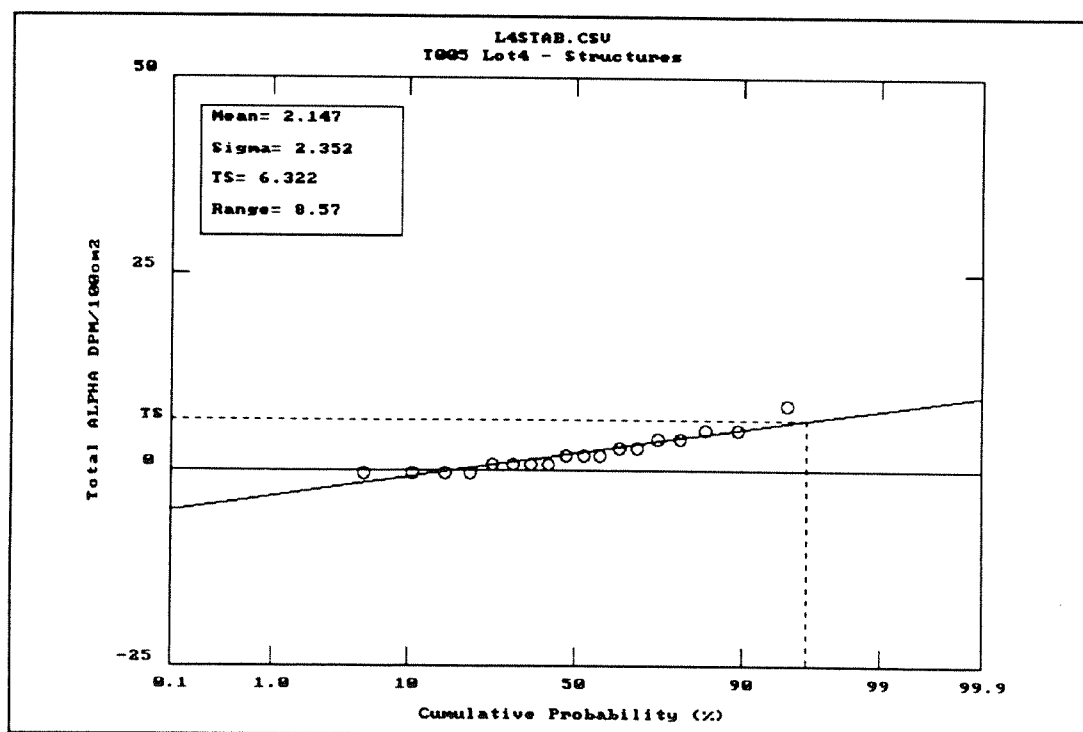


Figure 38. T005 - Lot 4 Attic Floors Ambient Gamma Activity

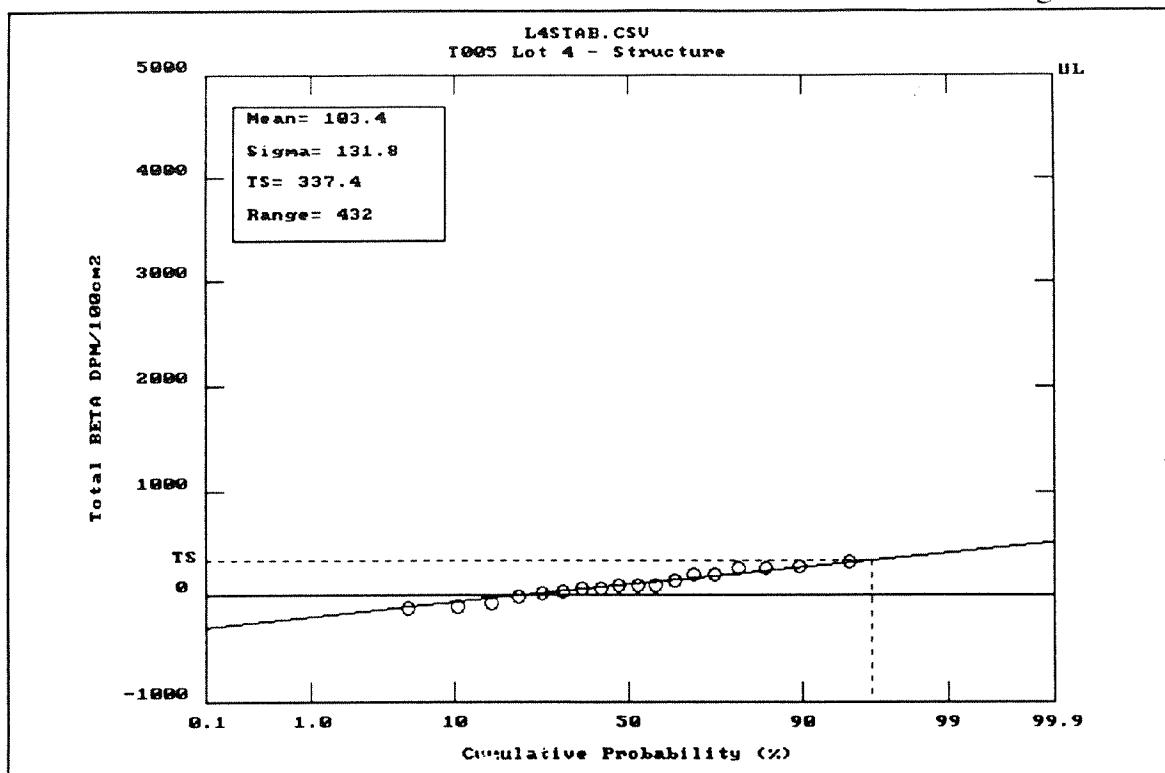


39a.) Scale Including Acceptance Limit (U)

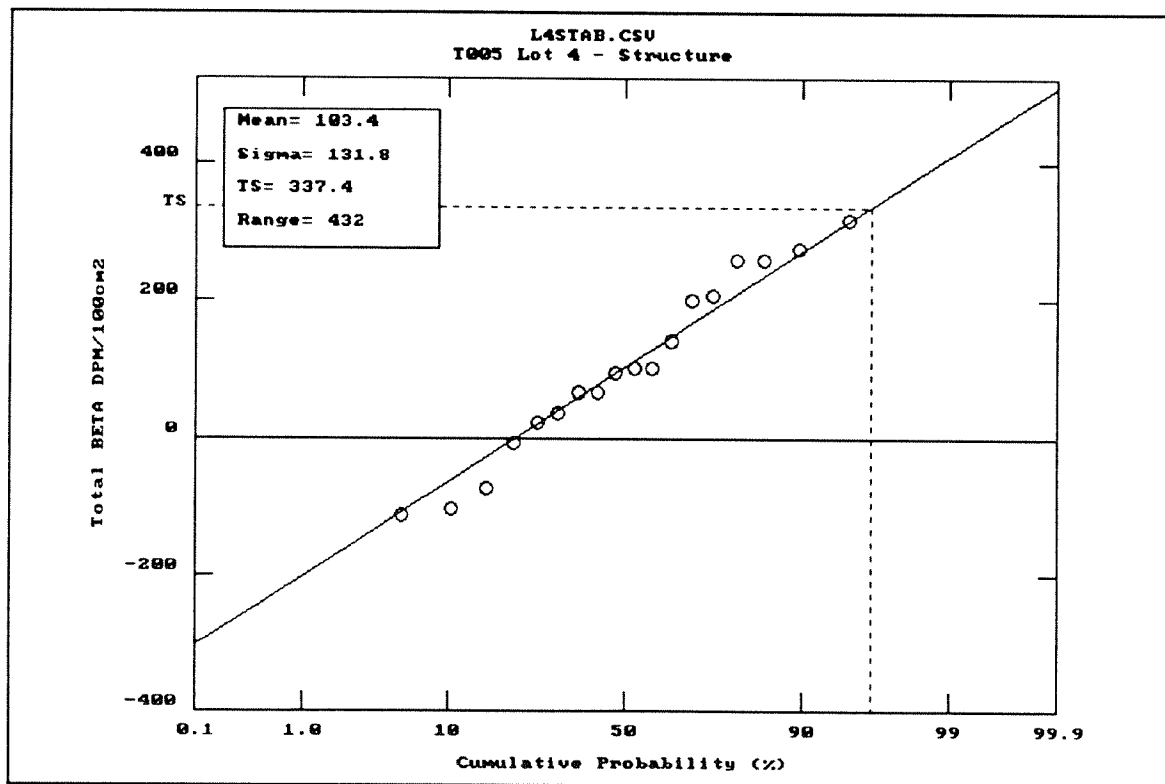


39b.) Expanded Scale

Figure 39. T005 - Lot 4 Attic Structure Total Alpha Activity

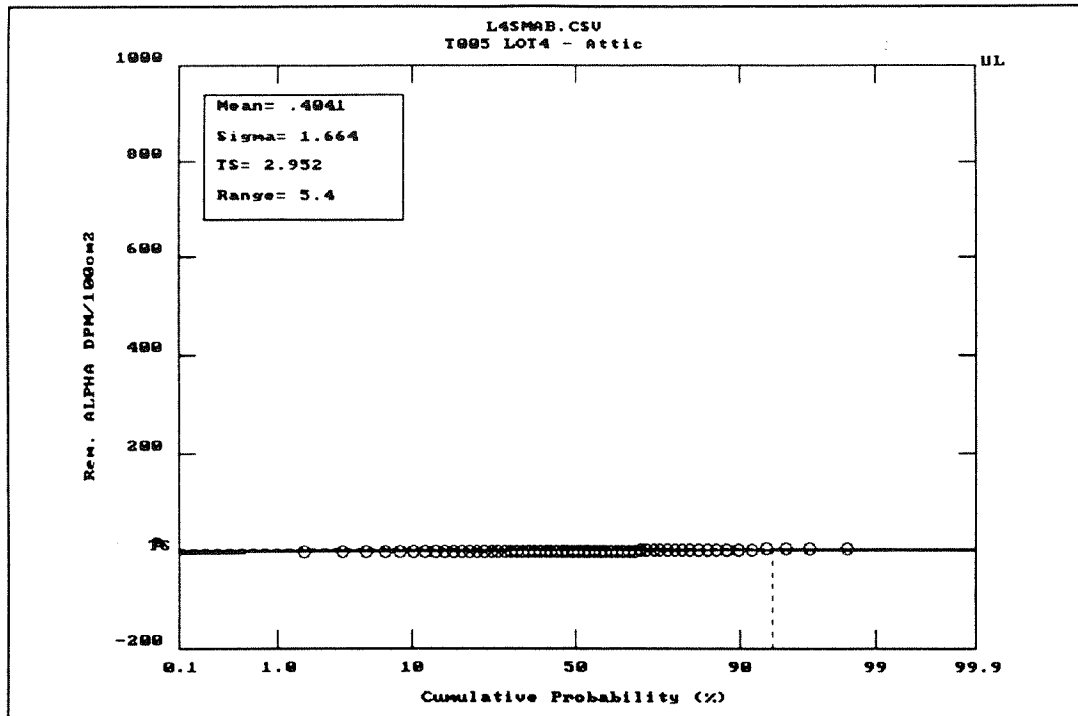


40a.) Scale Including Acceptance Limit (U)

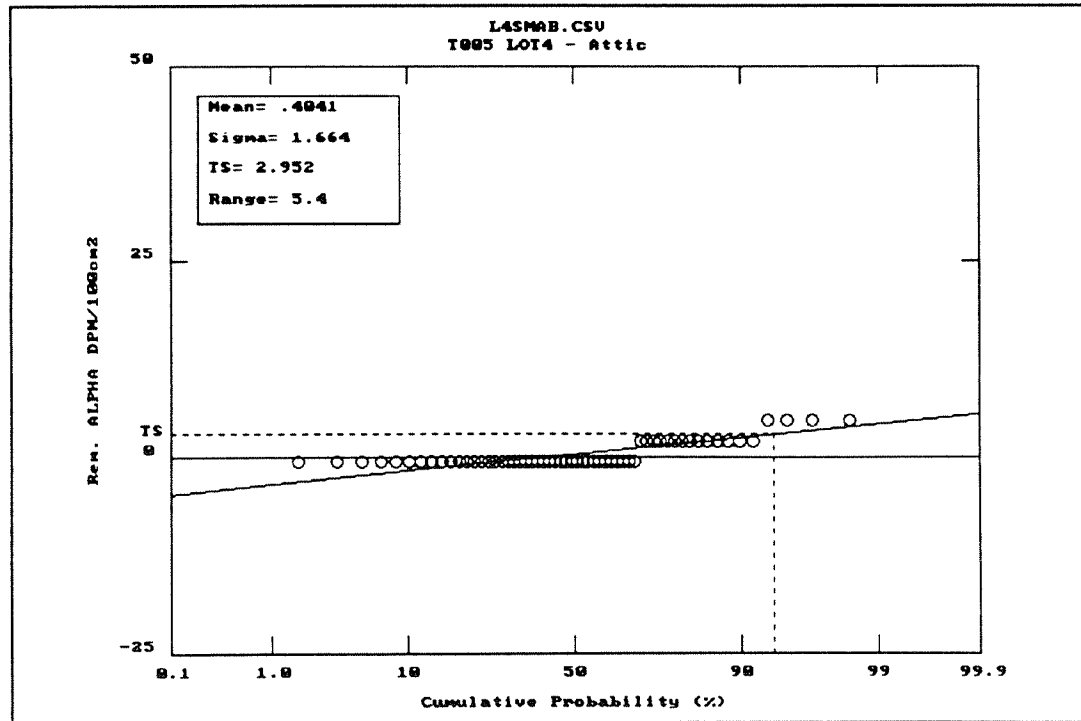


40b.) Expanded Scale

Figure 40. T005 - Lot 4 Attic Structure Total Beta Activity

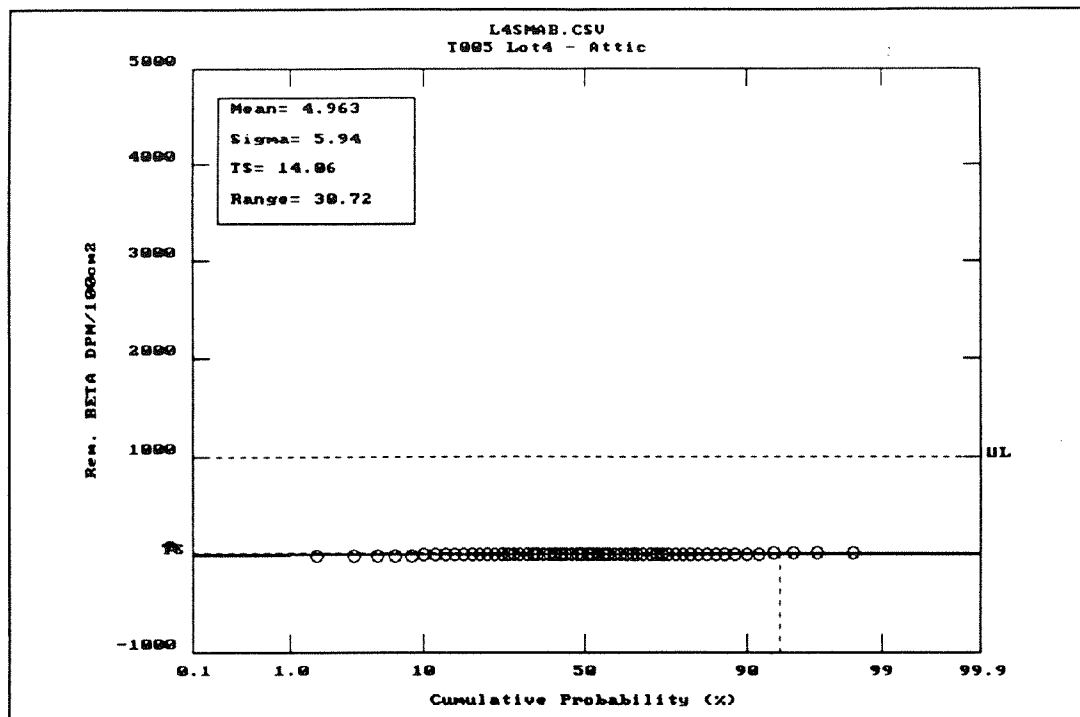


41a.) Scale Including Acceptance Limit (U)

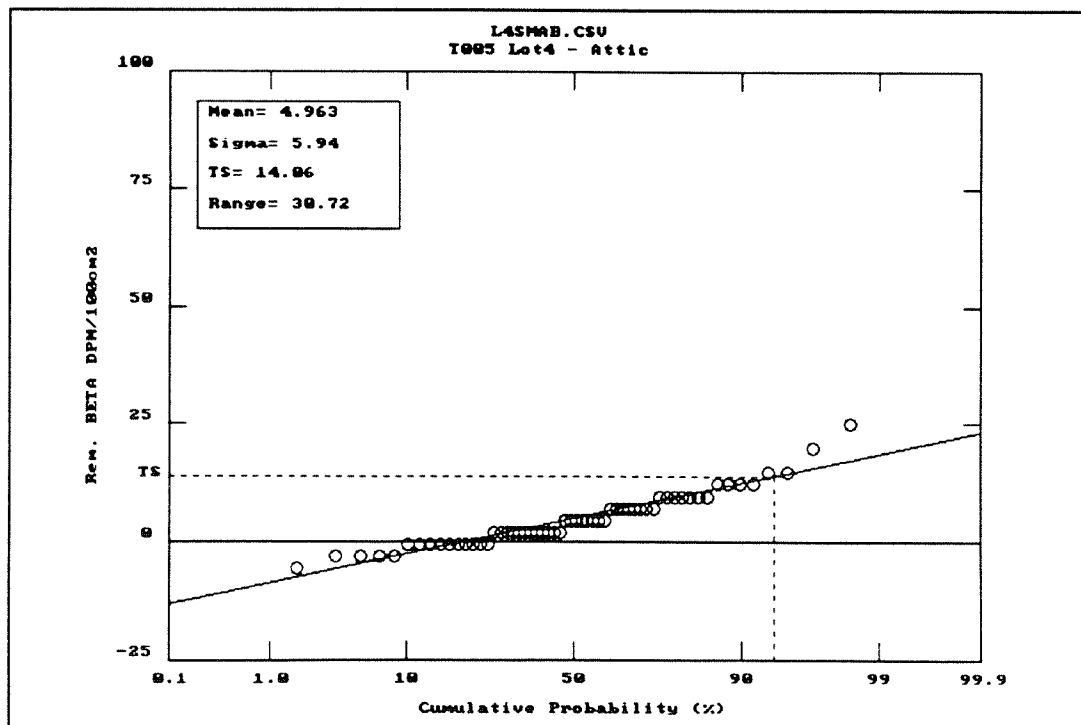


41b.) Expanded Scale

Figure 41. T005 - Lot 4 Attic Removable Alpha Activity



42a.) Scale Including Acceptance Limit (U)



42b.) Expanded Scale

Figure 42. T005 - Lot 4 Attic Removable Beta Activity

5. Sample Lot 5

a) Description

Sample Lot 5, located in the exterior of building 005 underneath the north overhang, contained contaminated ducting which had contaminated the concrete floor. This area underwent significant D&D operations which removed the contaminated ducting and scabbled portions of the concrete floor. Locations with respect to other Building 005 areas are shown in Figure 7.

b) Analyses of Sample Lot 5 Data

Raw data measurements for Sample Lot 5 were taken, subtracted for daily instrument background (except for ambient gamma exposure rate), and plotted on a cumulative probability graph as explained previously. For statistical comparisons (using the "sampling inspection by variables" method), similar areas within Sample Lot 5 were combined together and then analyzed for the specific type of radiation measurement made on the surface. Individual raw measurement data and instrument backgrounds are provided in Appendix A.

Sample Lot 5 results are tabulated in Table 9 for comparing the test statistic ($TS = \bar{x} + ks$) with the applicable, established contamination criteria or acceptance limit (U) from Table 3. The corresponding figures for the graphs of each cumulative probability plot are provided at the end of this section. Individual sample result calculations used as graph data for Sample Lot 5 are provided in Appendix B.

c) Interpretation of Results for Sample Lot 5

Figures 43 through 51 and Table 9 demonstrate that for each applicable acceptance limit (U) from Table 3, the corresponding test statistic value (TS) is less than the limit (U) or $TS < U$. Five "hot spots" for the total alpha and total beta measurements were detected in the north overhang sample lot. These measurements were included in the data analyses but were cleaned up at the time the surveys were performed to be consistent with ALARA principles. These "hot spots" are shown on Figures 43 and 44 as deviations from the statistical distribution (high values). The "sampling inspection by variables" test passed, showing that the need for further surveying to meet the acceptance criteria from Table 3 was unwarranted. The remaining seven figures for Sample Lot 5 also pass the "sampling inspection by variables" test and are "Accepted" as radiologically clean. Or in other words, the Building 005 Sample Lot 5 survey corresponds to assuring with a 90% confidence that 90% of Sample Lot 5 has residual contamination below 100% (a 90/90/100 test) of the applicable NRC, DOE, and State of California limits proscribed in Table 3.

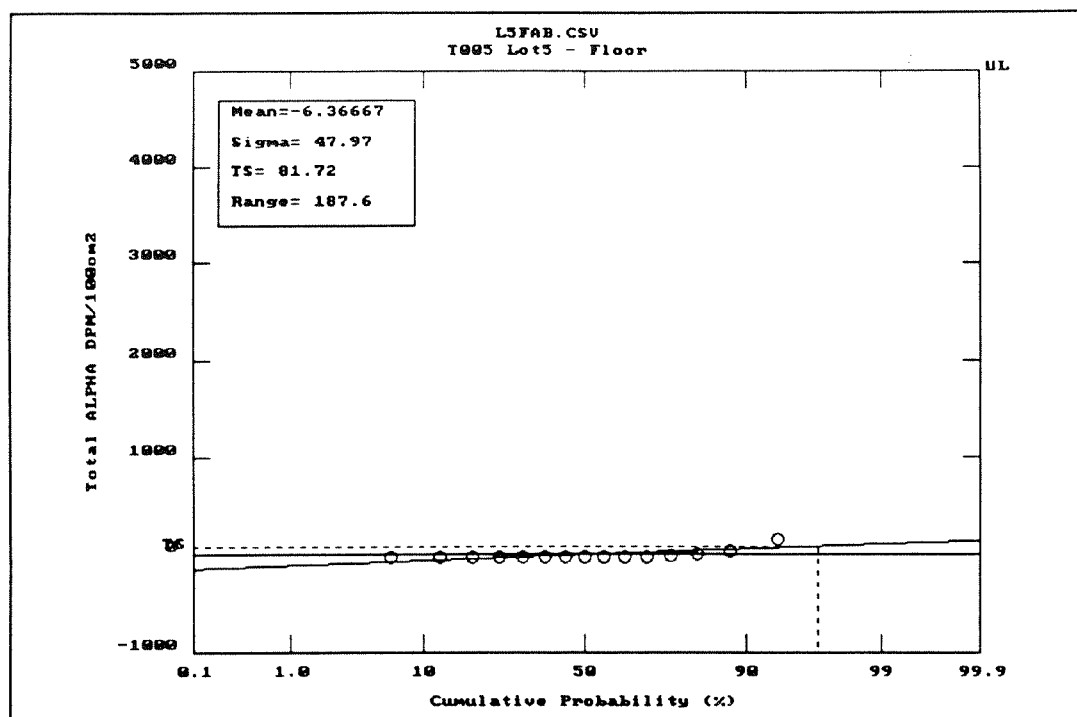
TABLE 9. Sample Lot 5 Results

	Calculated Test Statistic ($TS = \bar{x} + ks$)				
	Total Alpha (dpm/100 cm ²)	Total Beta (dpm/100 cm ²)	Removable Alpha (dpm/100 cm ²)	Removable Beta (dpm/100 cm ²)	Ambient Gamma (μR/hr)
Acceptance Limit (U)	5000	5000	1000	1000	20.27**
Floors	81.72 (43)*	1798.00 (44)*			11.81 (45)*
Walls & Ceiling	-19.31 (46)*	671.70 (47)*			
Structure	-27.13 (48)*	1586.00 (49)*			
Entire Area			3.26 (50)*	15.61 (51)*	

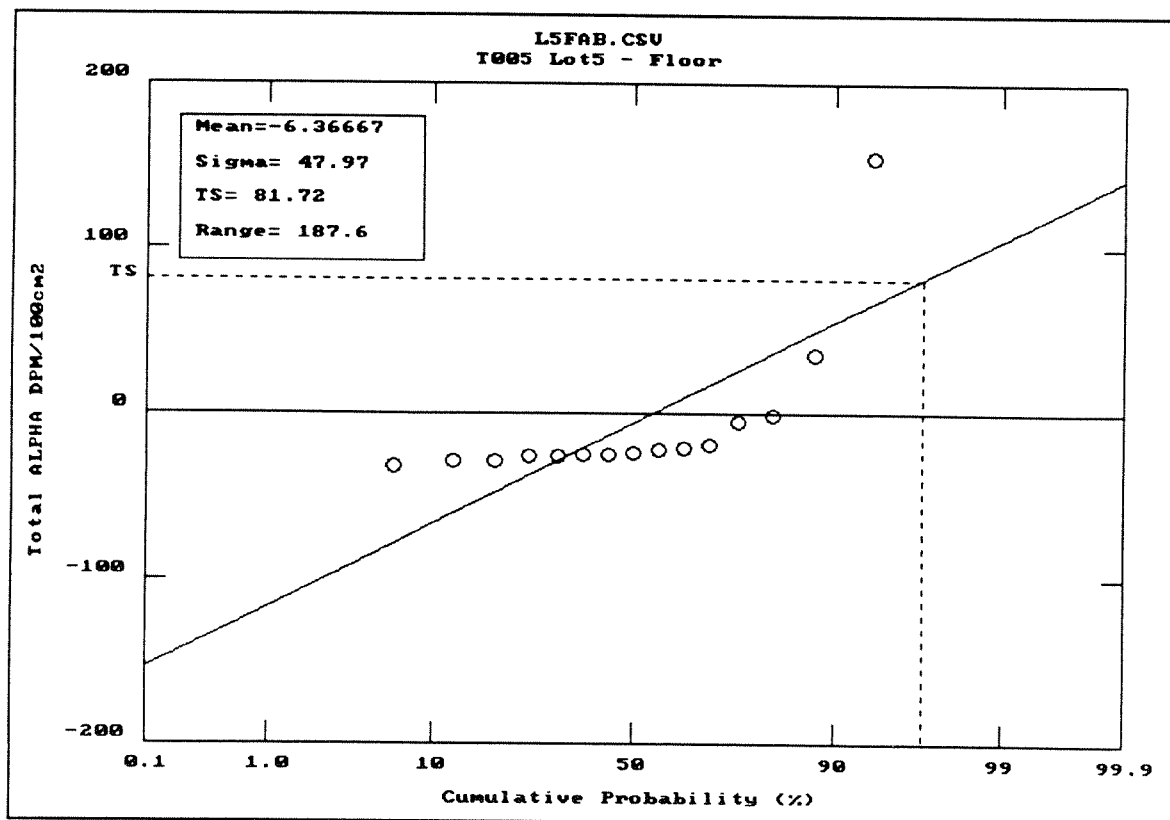
* Numbers in parenthesis refer to figure numbers.

** The acceptance limit for exterior ambient gamma exposure rate in μR/hr was determined by using the average ambient outdoor background exposure rate for 90 locations in SSFL Area I (15.27 μR/hr) from Reference 14 (page 83) and then adding the acceptance criteria from Table 3 (<5 μR/hr above background) to achieve a final exterior ambient gamma exposure rate limit of 20.27 μR/hr. All values, except the ambient gamma exposure rate, in this table are subtracted for daily instrument background.

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43a.) Scale Including Acceptance Limit (U)



43b.) Expanded Scale

Figure 43. T005 - Lot 5 Floor Total Alpha Activity

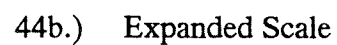
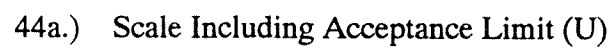


Figure 44. T005 - Lot 5 Floor Total Beta Activity

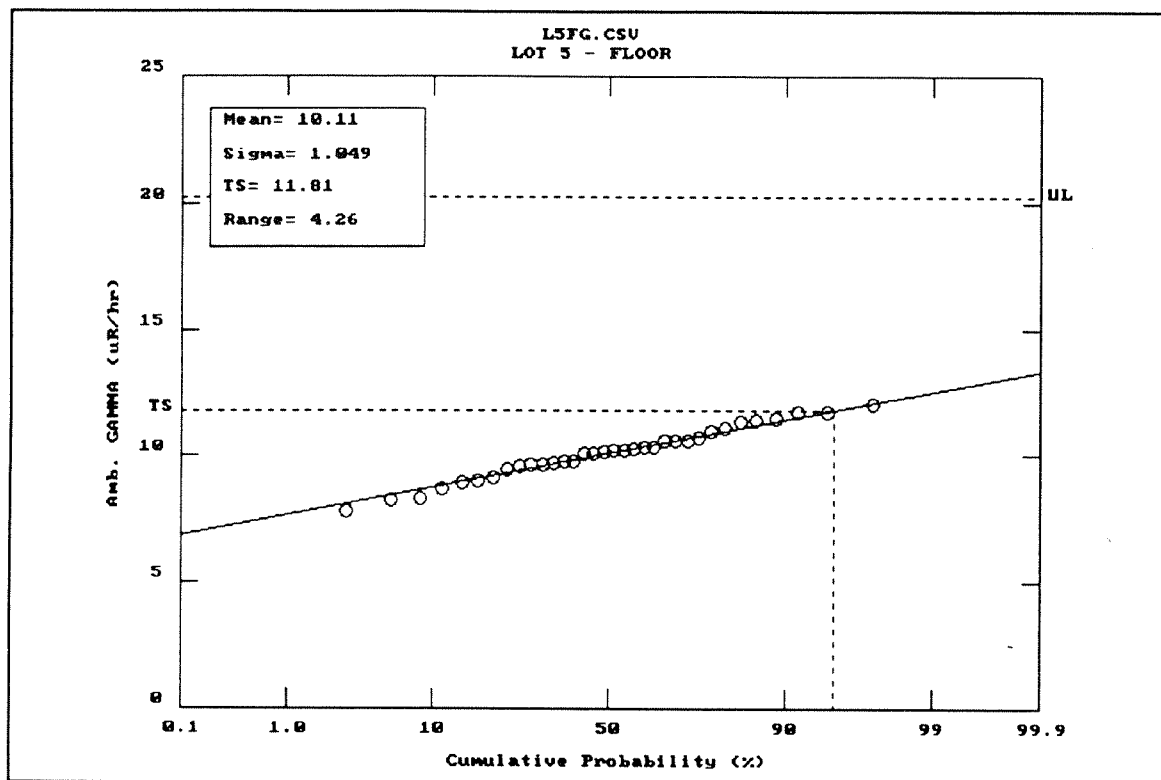
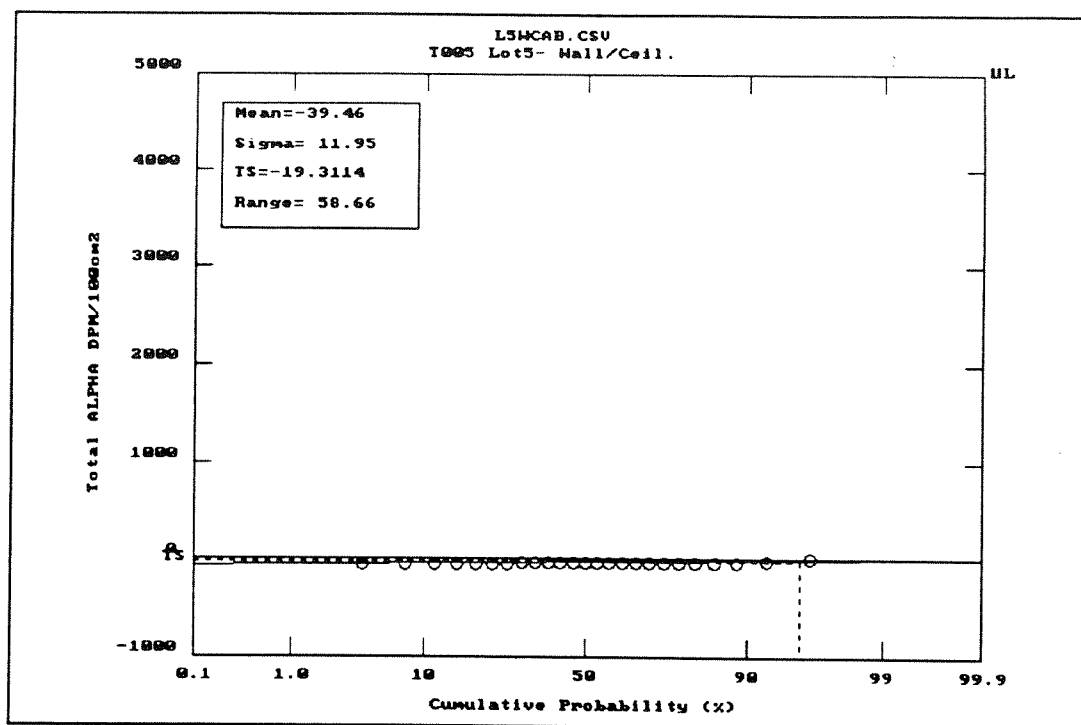
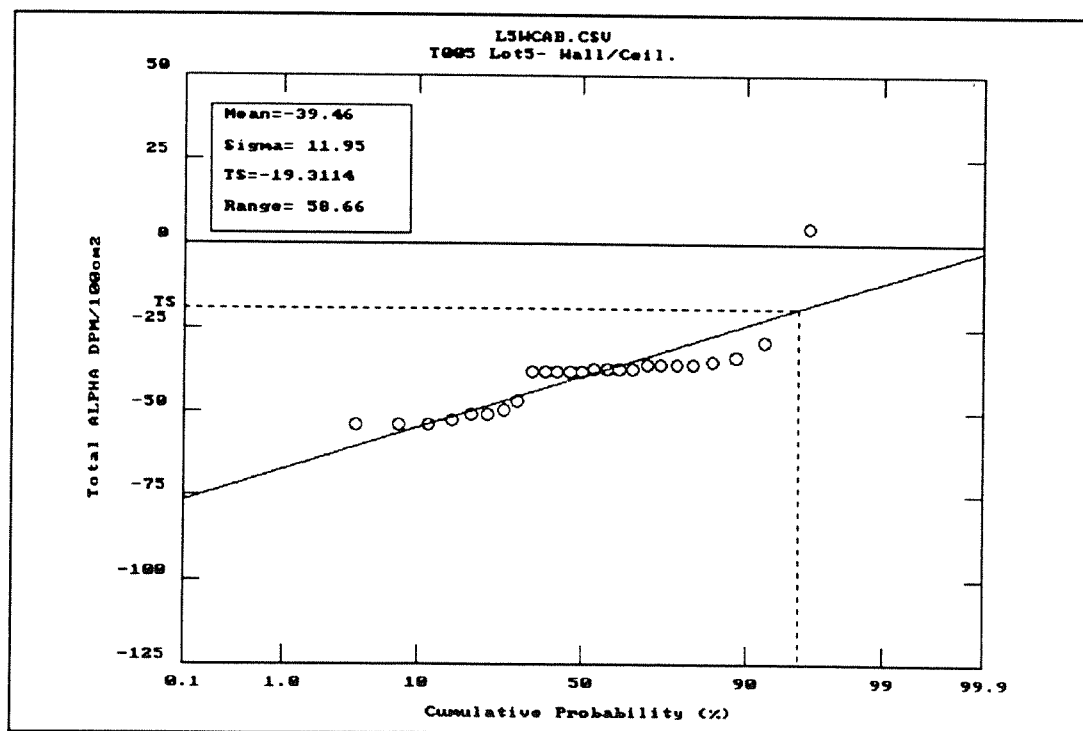


Figure 45. T005 - Lot 5 Floor Ambient Gamma Exposure Rate

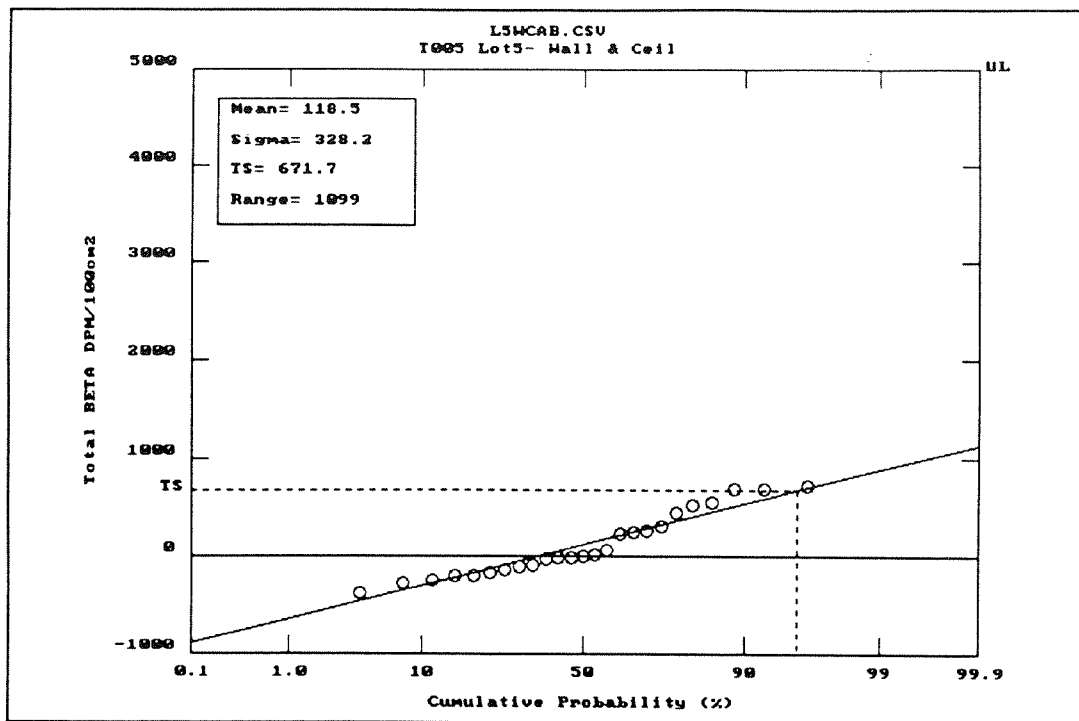


46a.) Scale Including Acceptance Limit (U)

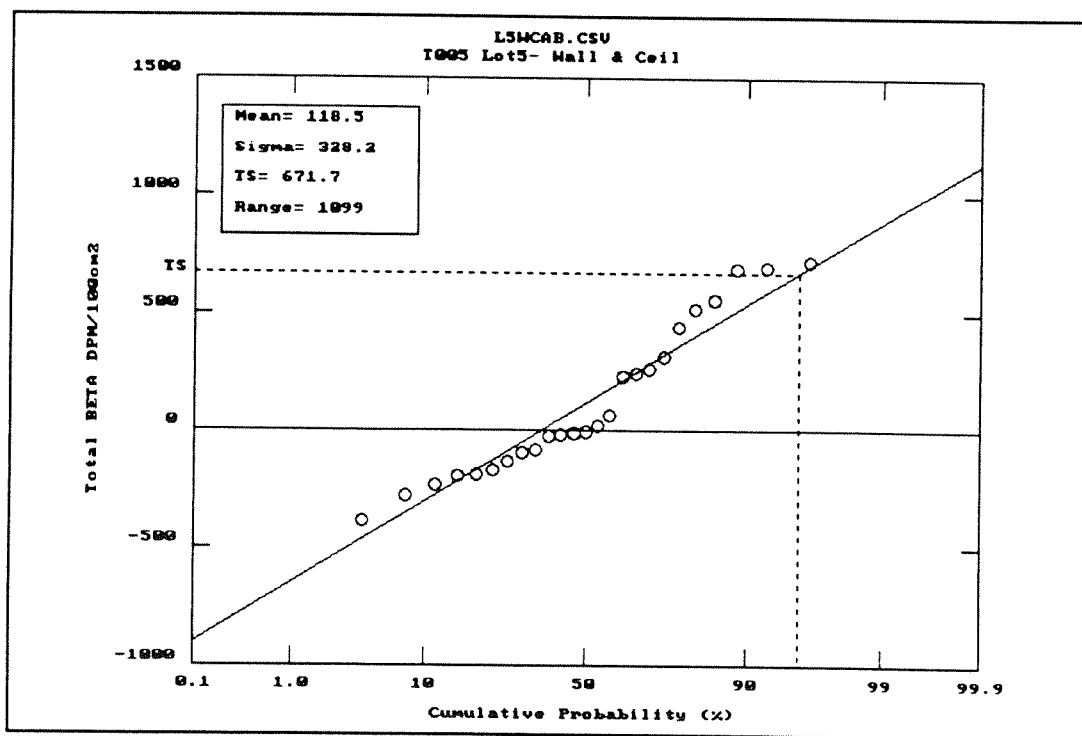


46b.) Expanded Scale

Figure 46. T005 - Lot 5 Walls and Ceiling Total Alpha Activity

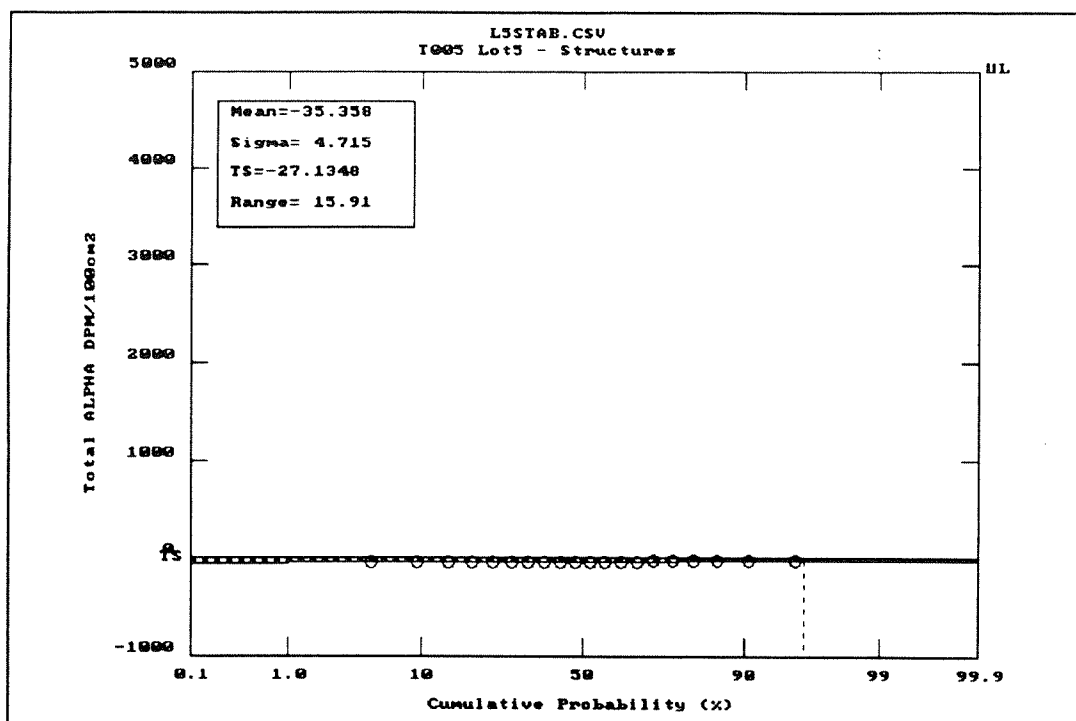


47a.) Scale Including Acceptance Limit (U)

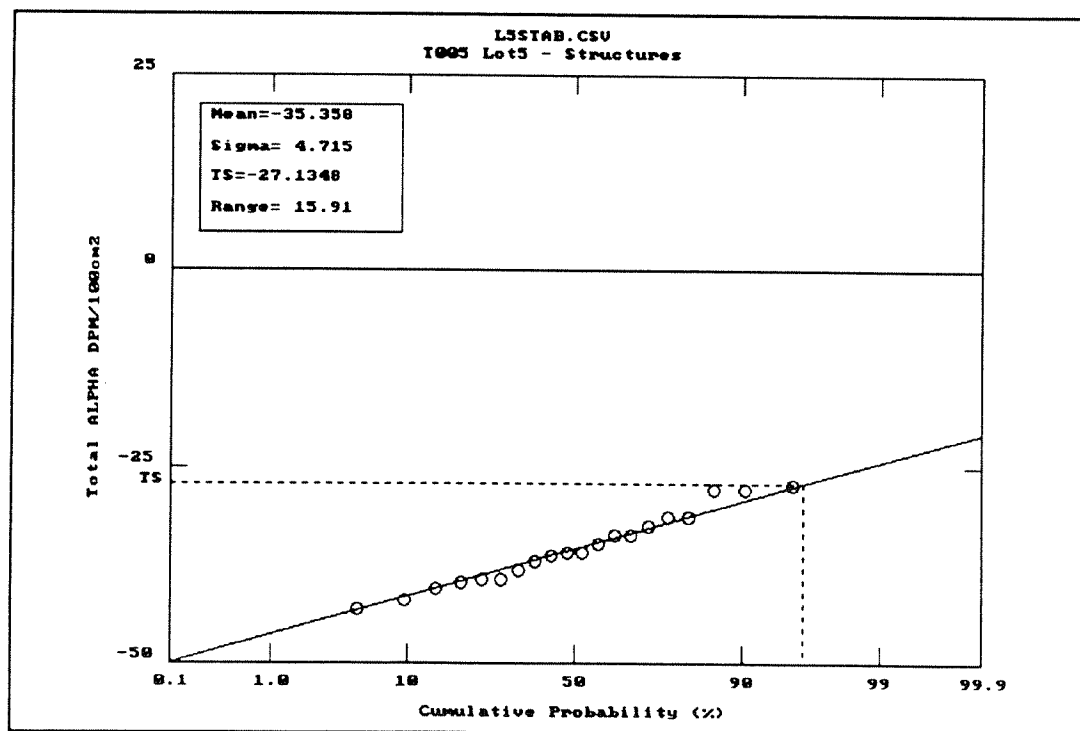


47b.) Expanded Scale

Figure 47. T005 - Lot 5 Walls and Ceiling Total Beta Activity

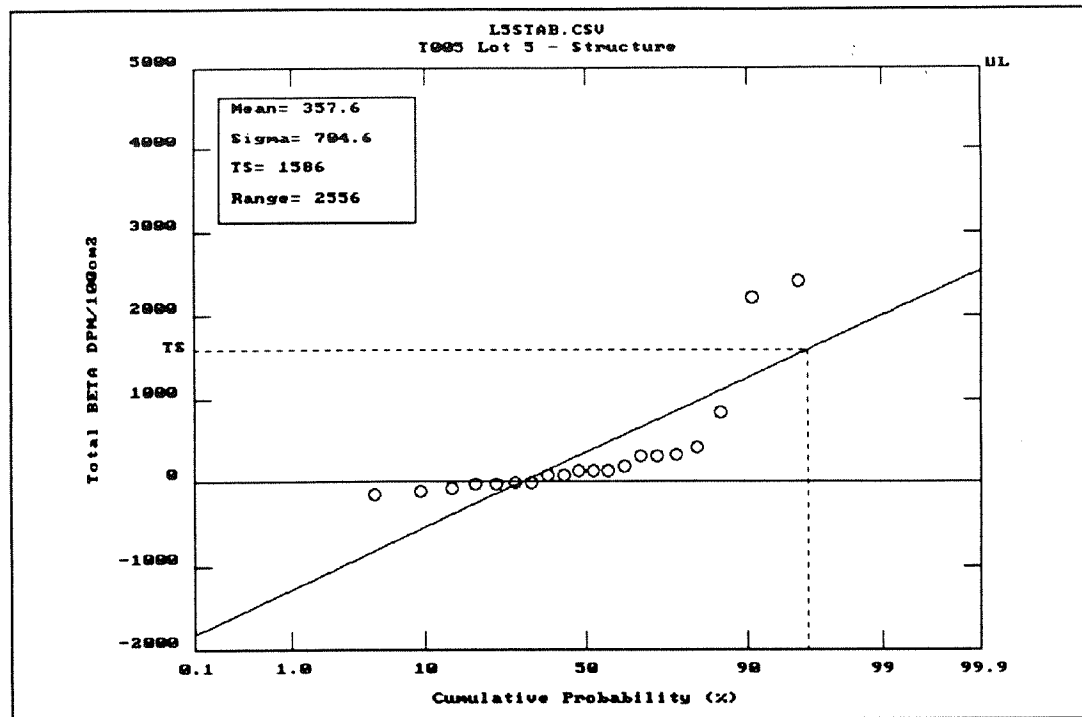


48a.) Scale Including Acceptance Limit (U)

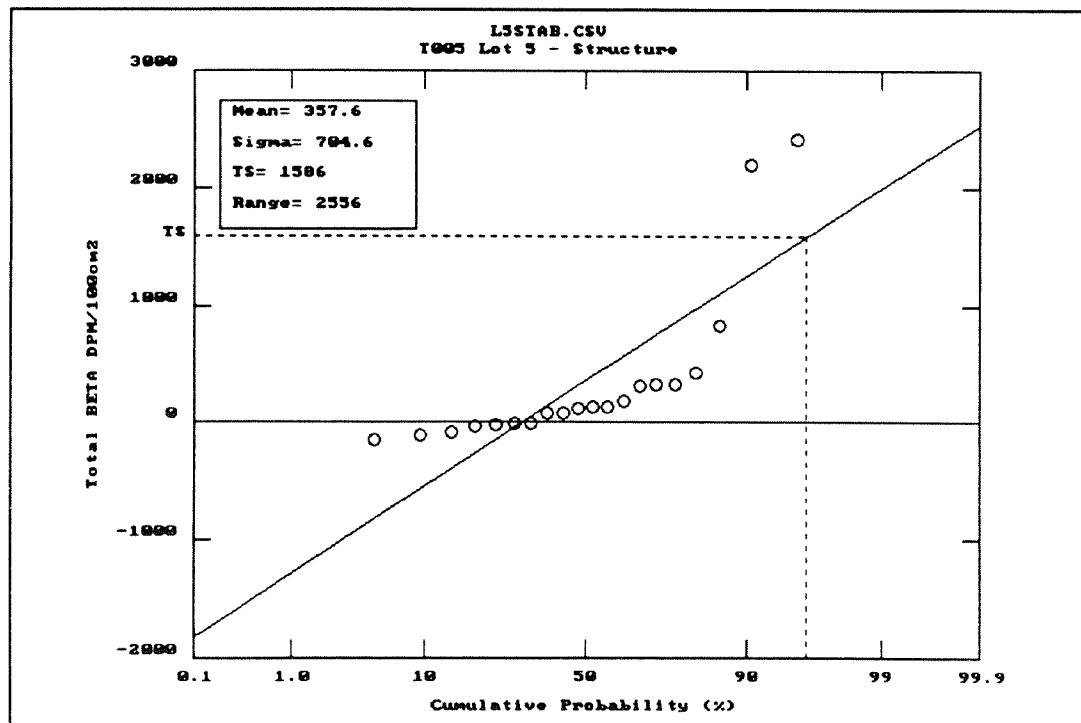


48b.) Expanded Scale

Figure 48. T005 - Lot 5 Structure Total Alpha Activity

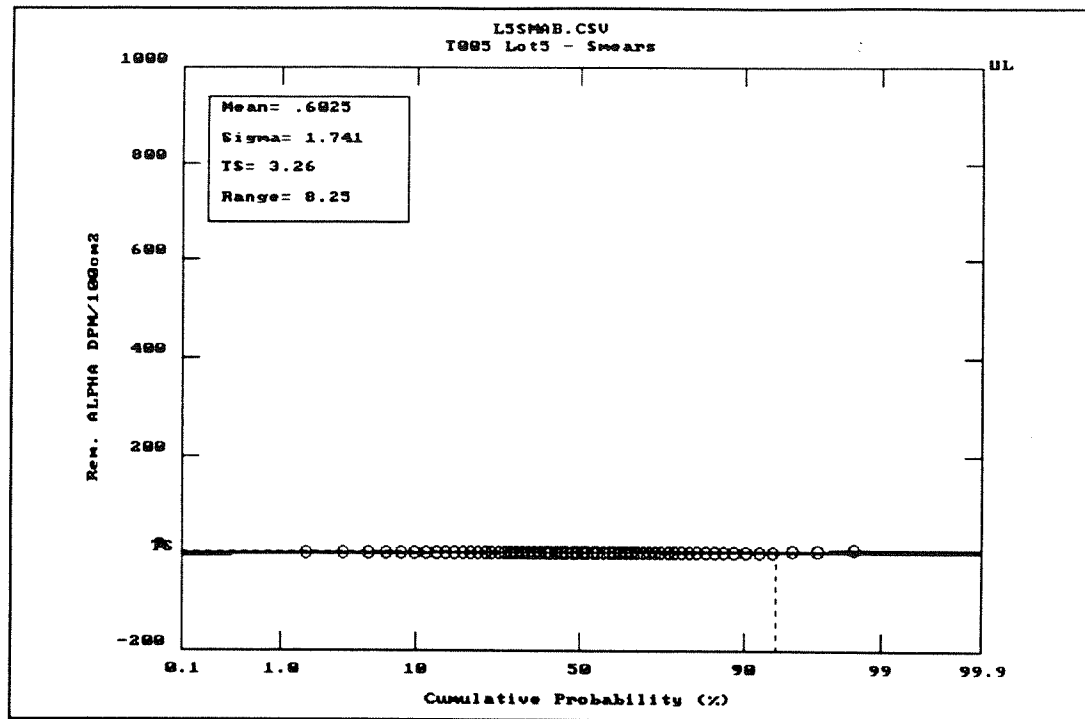


49a.) Scale Including Acceptance Limit (U)

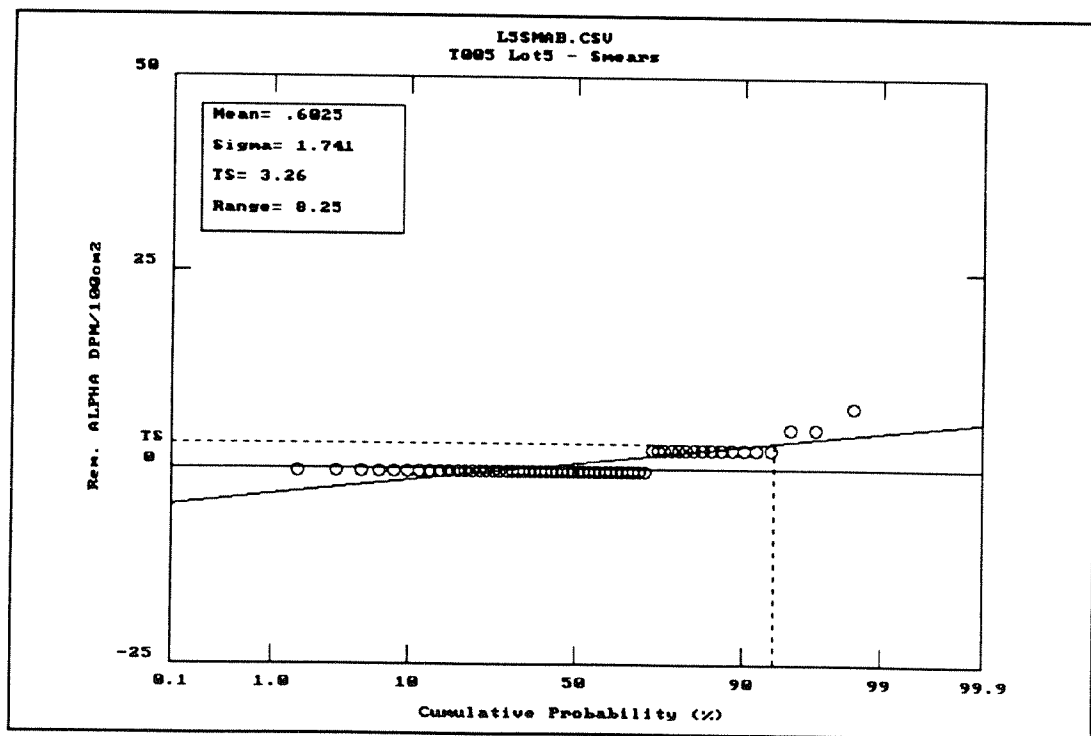


49b.) Expanded Scale

Figure 49. T005 - Lot 5 Structure Total Beta Activity

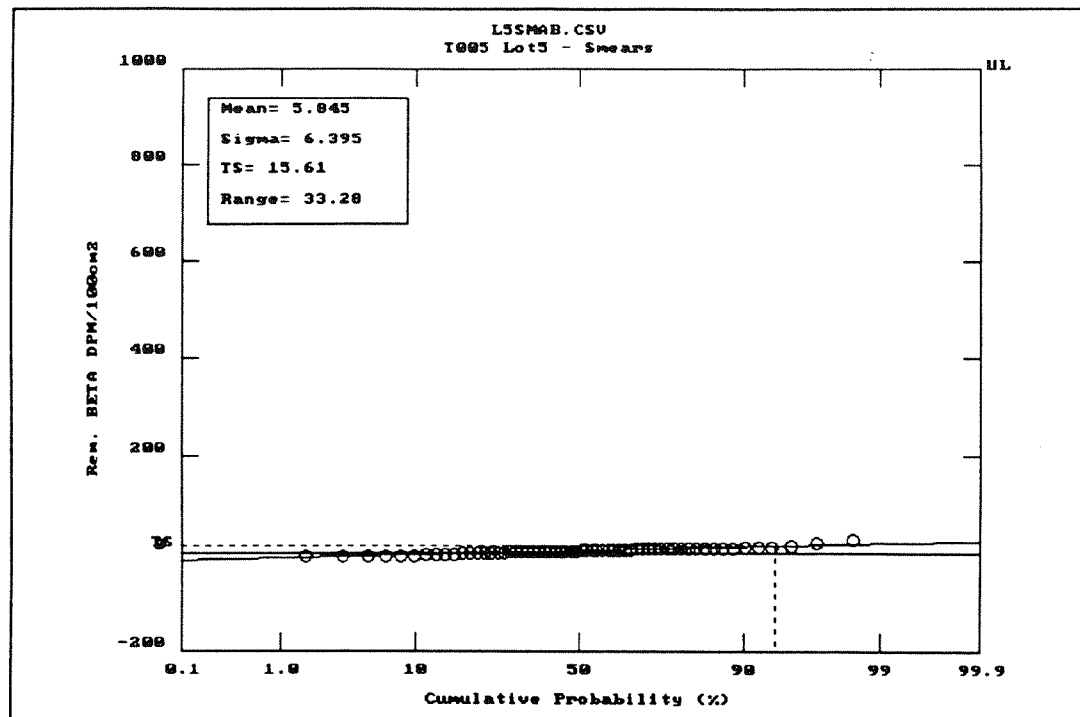


50a.) Scale Including Acceptance Limit (U)

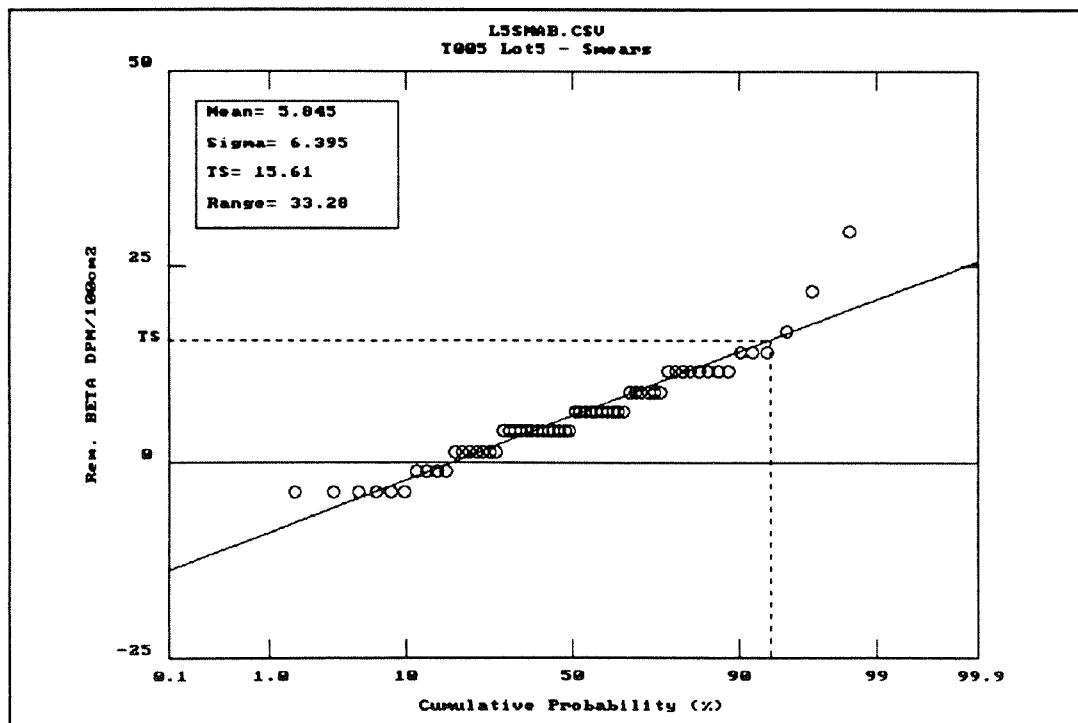


50b.) Expanded Scale

Figure 50. T005 - Lot 5 Removable Alpha Activity



51a.) Scale Including Acceptance Limit (U)



51b.) Expanded Scale

Figure 51. T005 - Lot 5 Removable Beta Activity

6. Sample Lot 6

a) Description

Sample Lot 6, located adjacent to the eastside of Building 005, contains the concrete slabs which contained the large and small R/A plenums and other non-R/A structures. Additionally, several R/A ducts were removed in the same area. The plenum structures contained 95% of the remaining contamination at Building 005 and were completely removed in the D&D procedures. A 100% closeout survey was performed on the slabs where the plenums were as part of the D&D procedure and no residual radioactive contamination was found. Locations with respect to other Building 005 areas are shown in Figure 8.

b) Analyses of Sample Lot 6 Data

Raw data measurements for Sample Lot 6 were taken, subtracted for daily instrument background (except for ambient gamma exposure rate), and plotted on a cumulative probability graph as explained previously. For statistical comparisons (using the "sampling inspection by variables" method), similar areas within Sample Lot 6 were combined together and then analyzed for the specific type of radiation measurement made on the surface. Individual raw measurement data and instrument backgrounds are provided in Appendix A.

Sample Lot 6 results are tabulated in Table 10 for comparing the test statistic ($TS = \bar{x} + ks$) with the applicable, established contamination criteria or acceptance limit (U) from Table 3. The corresponding figures for the graphs of each cumulative probability plot are provided at the end of this section. Individual sample result calculations used as graph data for Sample Lot 6 are provided in Appendix B.

c) Interpretation of Results for Sample Lot 6

Figures 52 through 58 and Table 10 demonstrate that for each applicable acceptance limit (U) from Table 3, the corresponding test statistic value (TS) is less than the limit (U) or $TS < U$. Therefore, the seven figures for Sample Lot 6 pass the "sampling inspection by variables" test and are "Accepted" as radiologically clean. Or in other words, the Building 005 Sample Lot 6 survey corresponds to assuring with a 90% confidence that 90% of Sample Lot 6 has residual contamination below 100% (a 90/90/100 test) of the applicable NRC, DOE, and State of California limits proscribed in Table 3.

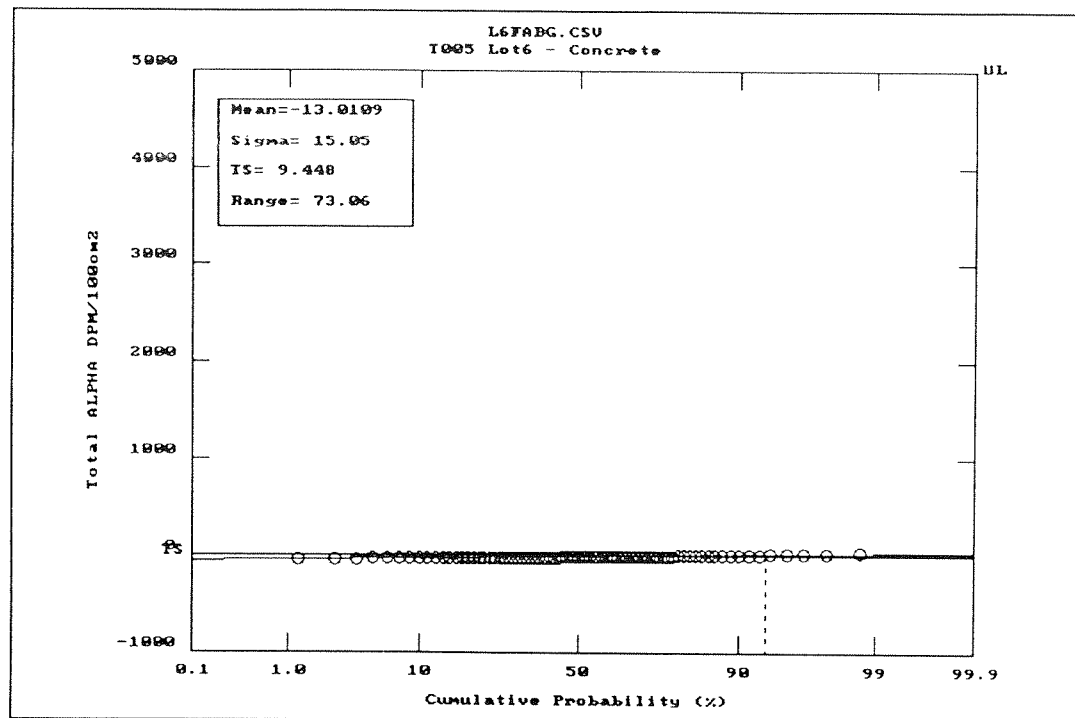
TABLE 10. Sample Lot 6 Results

	Calculated Test Statistic ($TS = \bar{x} + ks$)				
	Total Alpha (dpm/100 cm ²)	Total Beta (dpm/100 cm ²)	Removable Alpha (dpm/100 cm ²)	Removable Beta (dpm/100 cm ²)	Ambient Gamma (μR/hr)
Acceptance Limit (U)	5000	5000	1000	1000	20.27**
Floors	9.45 (52)*	1,617.00 (53)*			10.71 (54)*
Walls & Ceiling	-19.67 (55)*	374.40 (56)*			
Entire Area			4.00 (57)*	21.95 (58)*	

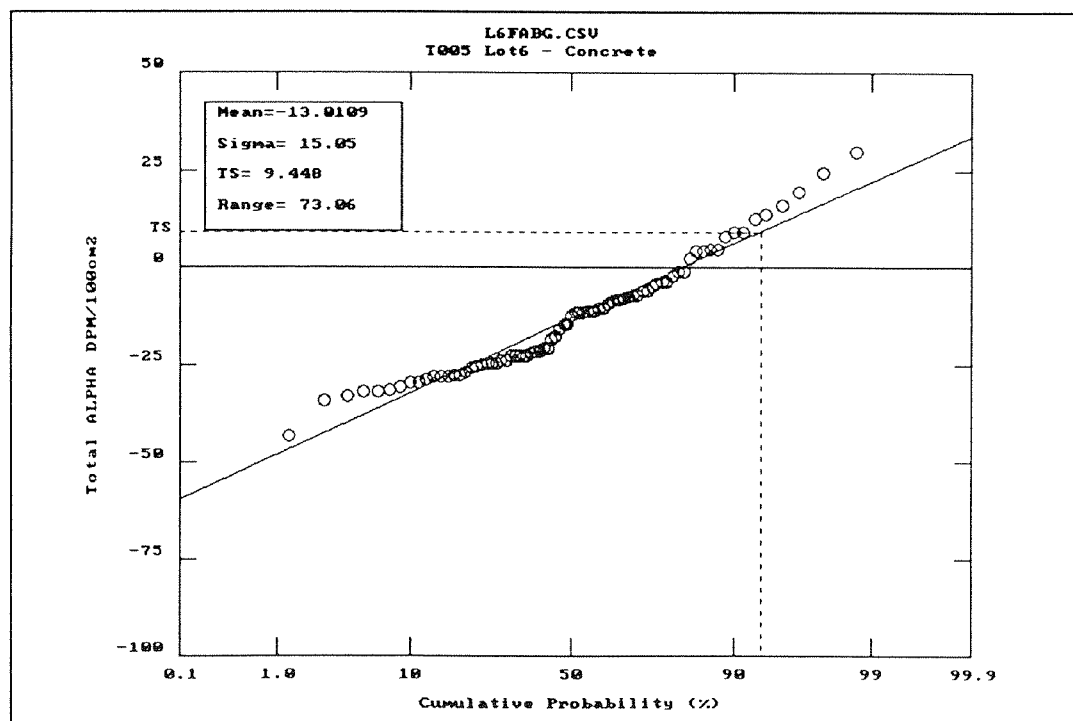
* Numbers in parenthesis refer to figure numbers.

** The acceptance limit for exterior ambient gamma exposure rate in μR/hr was determined by using the average ambient outdoor background exposure rate for 90 locations in SSFL Area I (15.27 μR/hr) from Reference 14 (page 83) and then adding the acceptance criteria from Table 3 (<5 μR/hr above background) to achieve a final exterior ambient gamma exposure rate limit of 20.27 μR/hr. All values, except the ambient gamma exposure rate, in this table are subtracted for daily instrument background.

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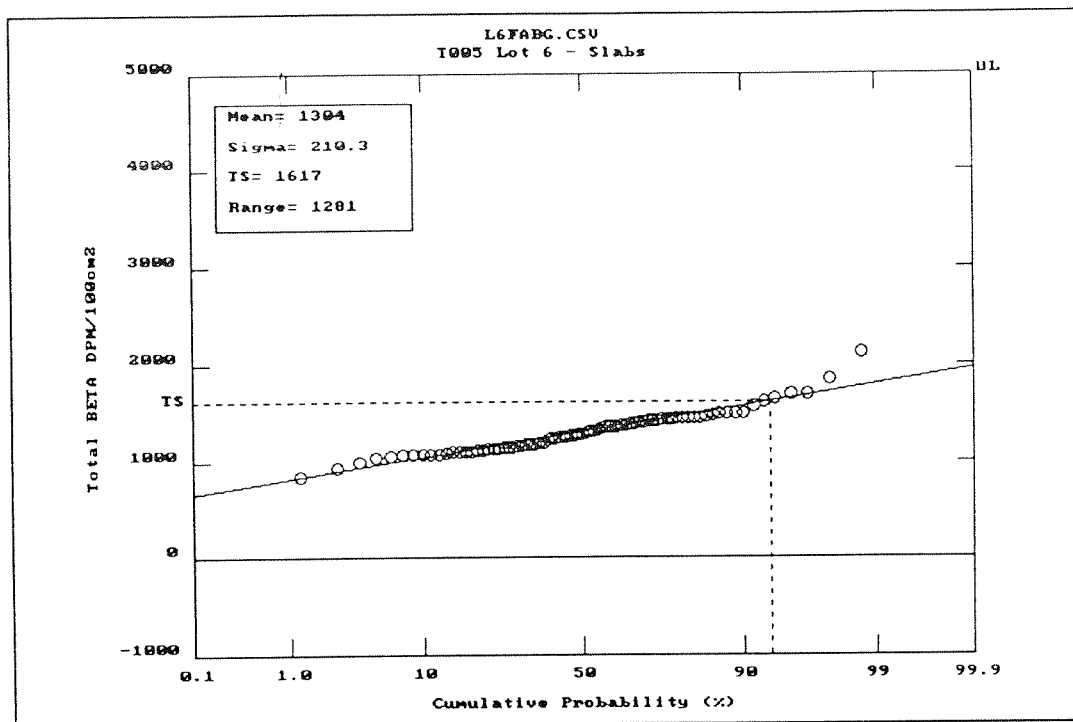


52a.) Scale Including Acceptance Limit (U)

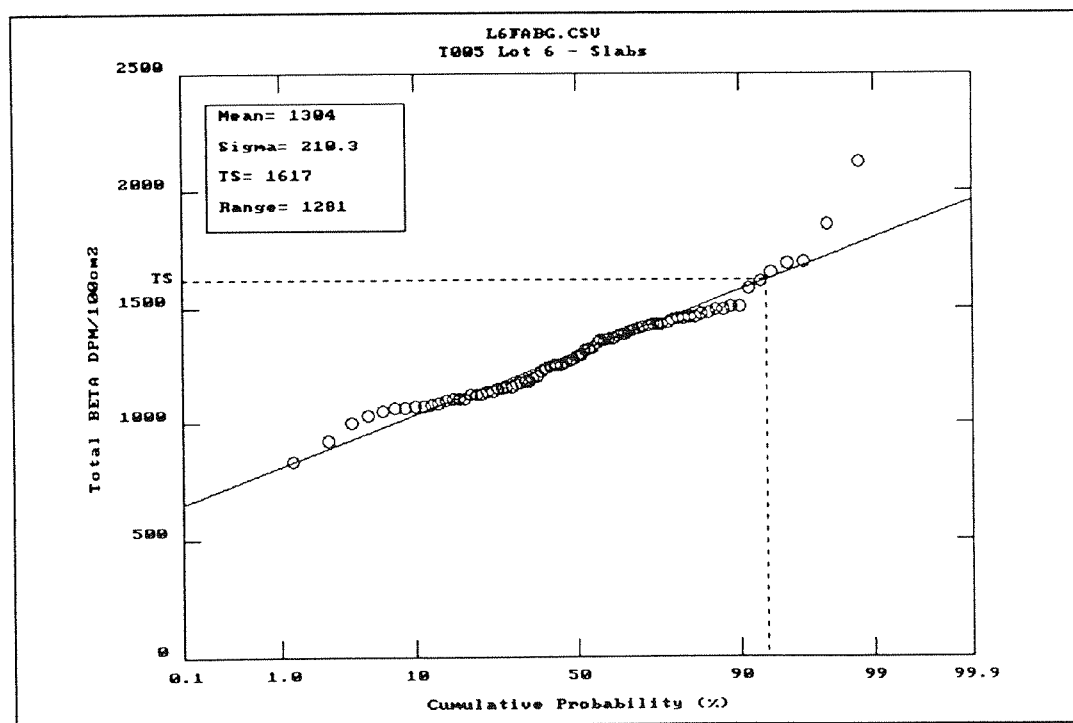


52b.) Expanded Scale

Figure 52. T005 - Lot 6 Concrete Slabs Total Alpha Activity



53a.) Scale Including Acceptance Limit (U)



53b.) Expanded Scale

Figure 53. T005 - Lot 6 Concrete Slabs Total Beta Activity

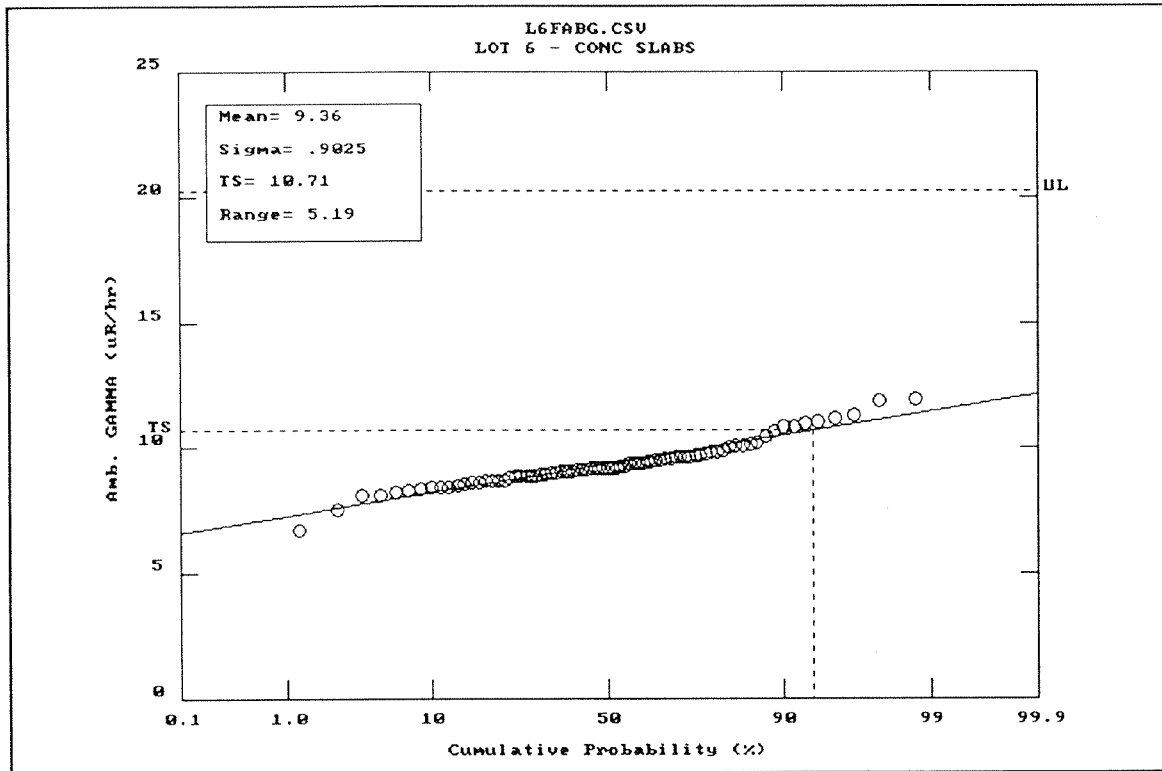
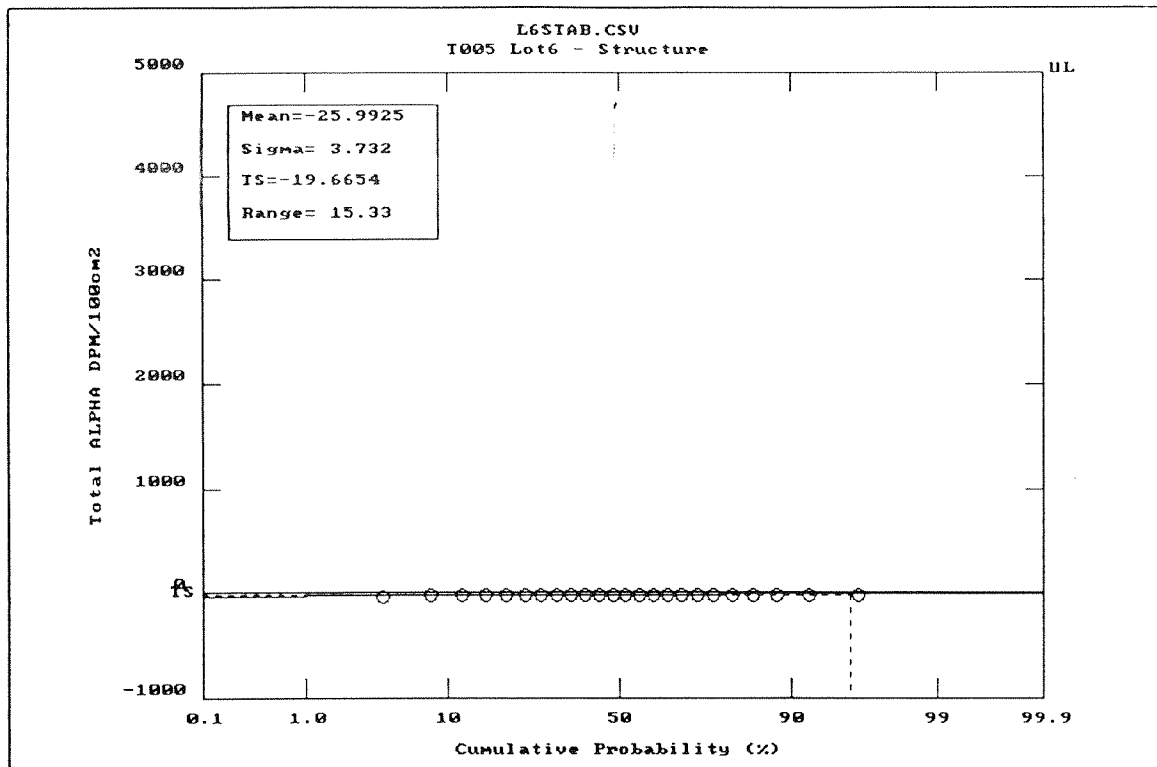
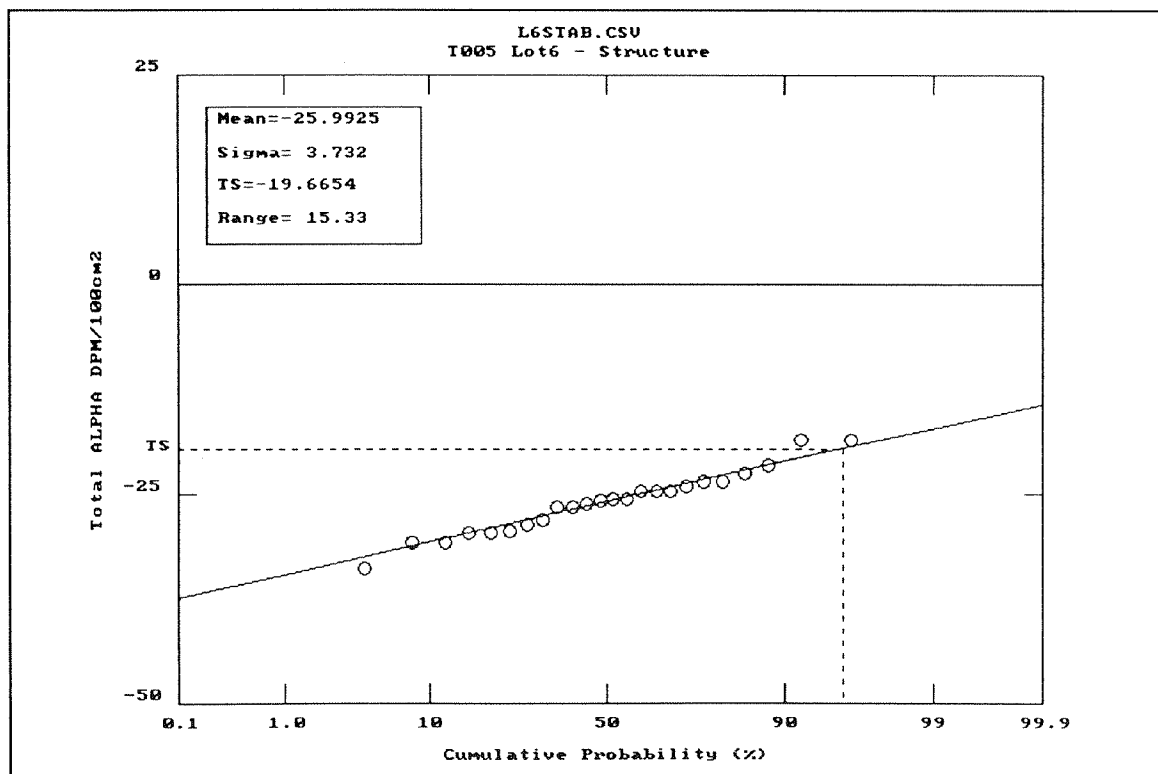


Figure 54. T005 - Lot 6 Concrete Slabs Ambient Gamma Exposure Rate

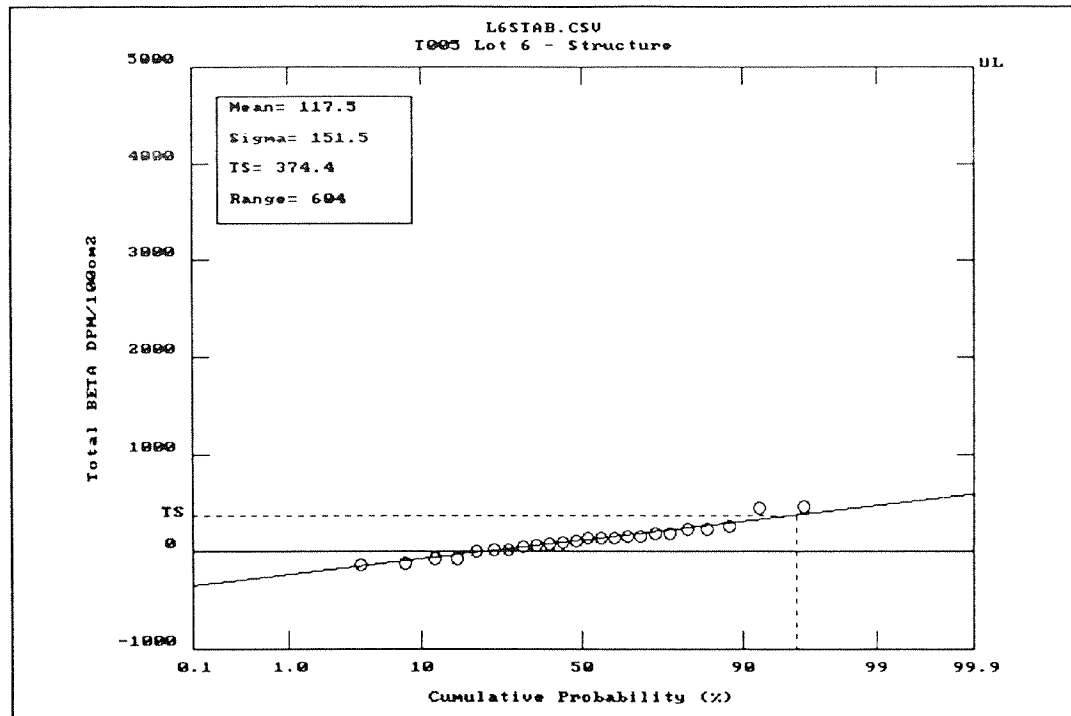


55a.) Scale Including Acceptance Limit (U)

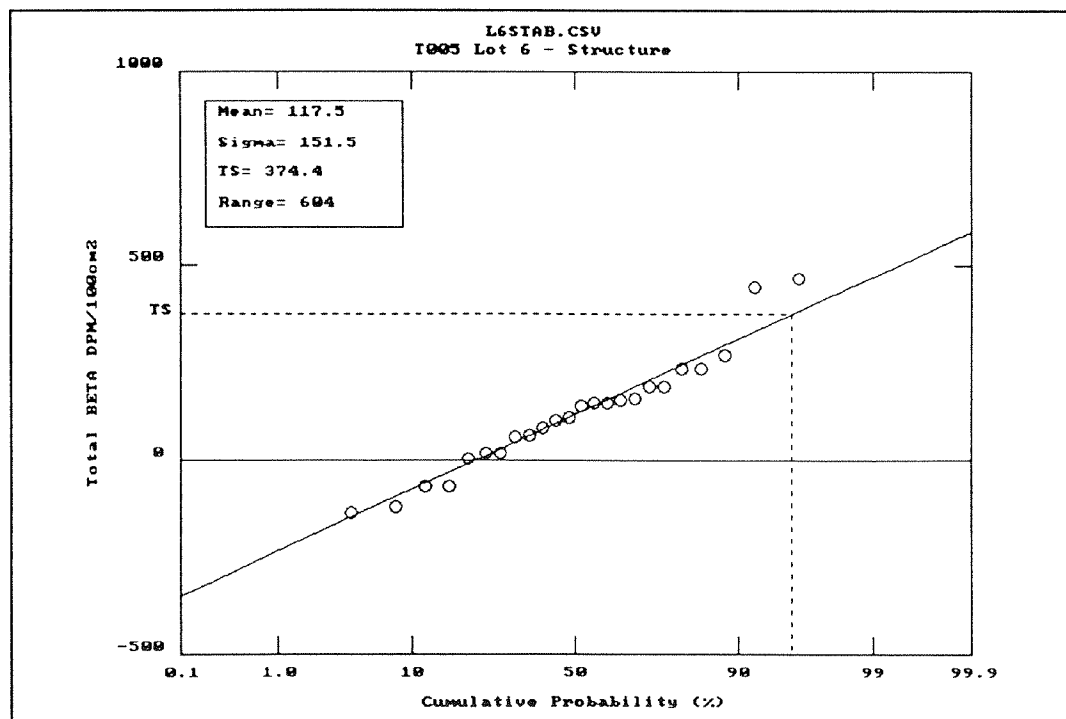


55b.) Expanded Scale

Figure 55. T005 - Lot 6 Walls and Ceiling Total Alpha Activity

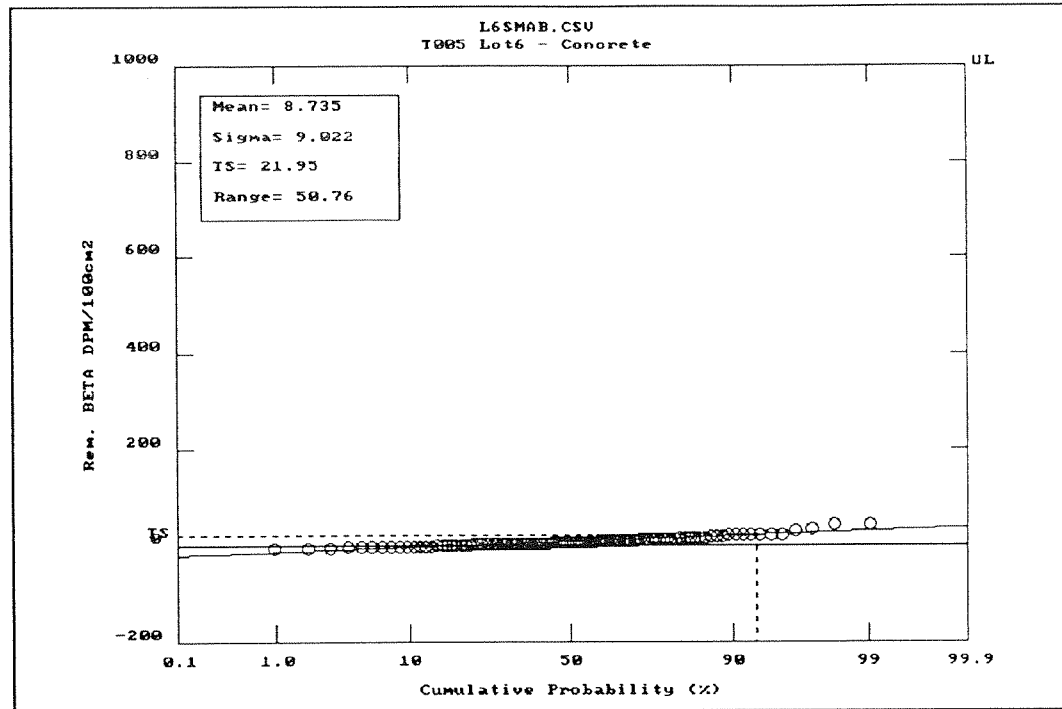


56a.) Scale Including Acceptance Limit (U)

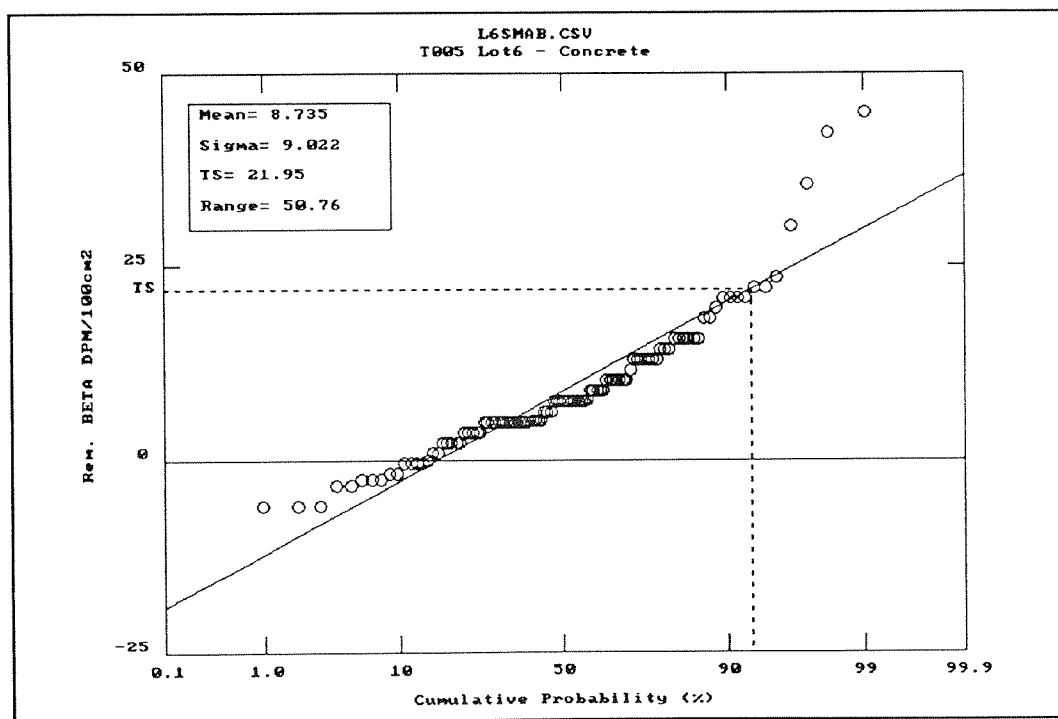


56b.) Expanded Scale

Figure 56. T005 - Lot 6 Structure Total Beta Activity

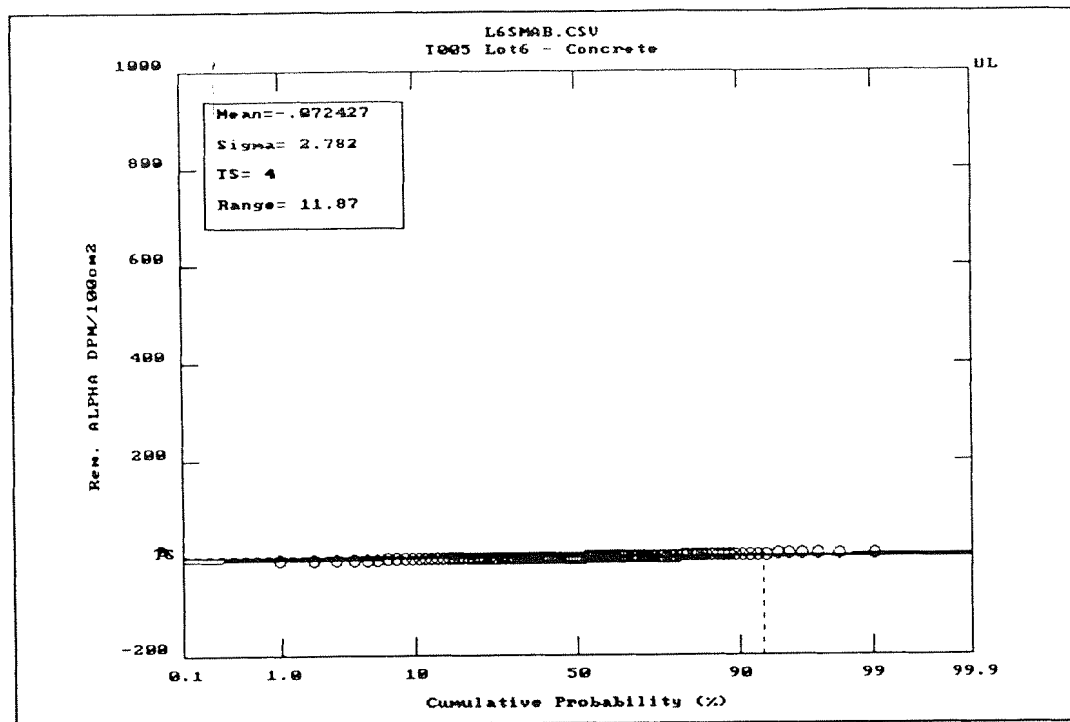


58a.) Scale including Acceptance Limit (U)

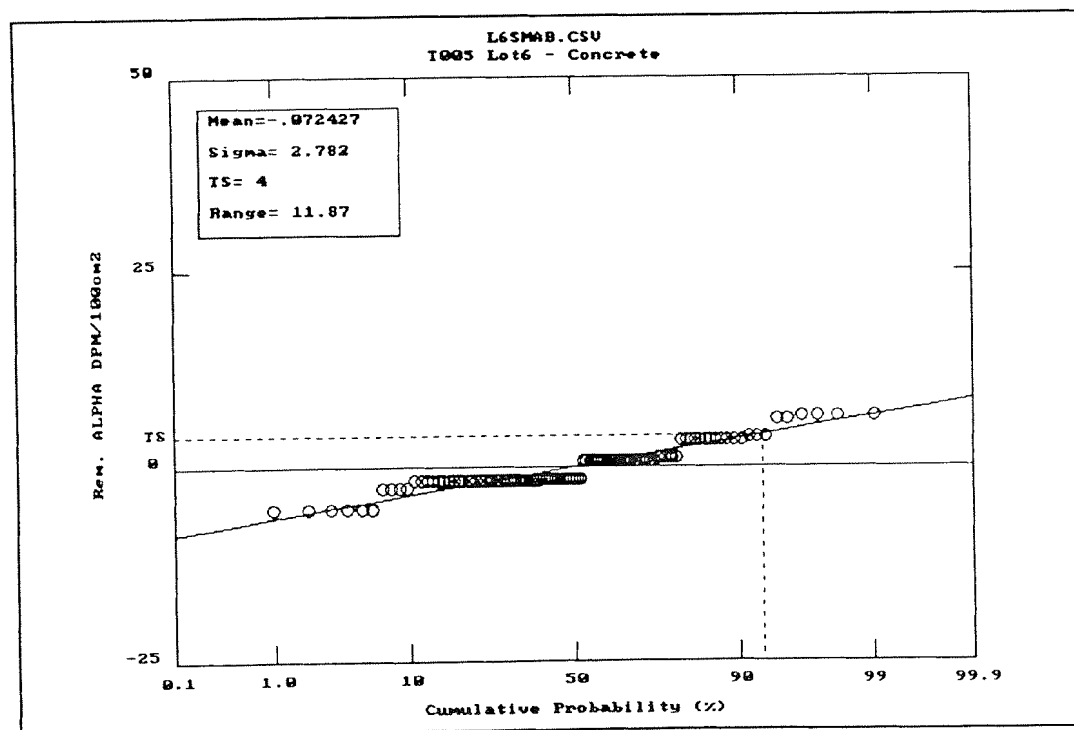


58b.) Expanded Scale

Figure 58. T005 - LOT 6 Concrete Slabs Removable Beta Activity



57a.) Scale Including Acceptance Limit (U)



57b.) Expanded Scale

Figure 57. T005 - Lot 6 Concrete Slabs Removable Alpha Activity

7. Sample Lot 7

a) Description

Sample Lot 7, located east of Building 005, contains the concrete receiving pad for buildings 005 and 049 and the building 049 proper. No records indicate that operations conducted inside Building 049 ever used radioactive material. Building 049 was included in the final survey since personnel at the UCPFF also fabricated aluminum control rods for the PIQUA reactor project at Building 049. Locations with respect to other Building 005 areas are shown in Figure 8.

b) Analyses of Sample Lot 7 Data

Raw data measurements for Sample Lot 7 were taken, subtracted for daily instrument background (except for ambient gamma exposure rate), and plotted on a cumulative probability graph as explained previously. For statistical comparisons (using the "sampling inspection by variables" method), similar areas within Sample Lot 7 were combined together and then analyzed for the specific type of radiation measurement made on the surface. Individual raw measurement data and instrument backgrounds are provided in Appendix A.

Sample Lot 7 results are tabulated in Table 11 for comparing the test statistic ($TS = x + ks$) with the applicable, established contamination criteria or acceptance limit (U) from Table 3. The corresponding figures for the graphs of each cumulative probability plot are provided at the end of this section. Individual sample result calculations used as graph data for Sample Lot 7 are provided in Appendix B.

c) Interpretation of Results for Sample Lot 7

Figures 59 through 65 and Table 11 demonstrate that for each applicable acceptance limit (U) from Table 3, the corresponding test statistic value (TS) is less than the limit (U) or $TS < U$. Therefore, the seven figures for Sample Lot 7 pass the "sampling inspection by variables" test and are "Accepted" as radiologically clean. Or in other words, the Building 005 Sample Lot 7 survey corresponds to assuring with a 90% confidence that 90% of Sample Lot 7 has residual contamination below 100% (a 90/90/100 test) of the applicable NRC, DOE, and State of California limits proscribed in Table 3.

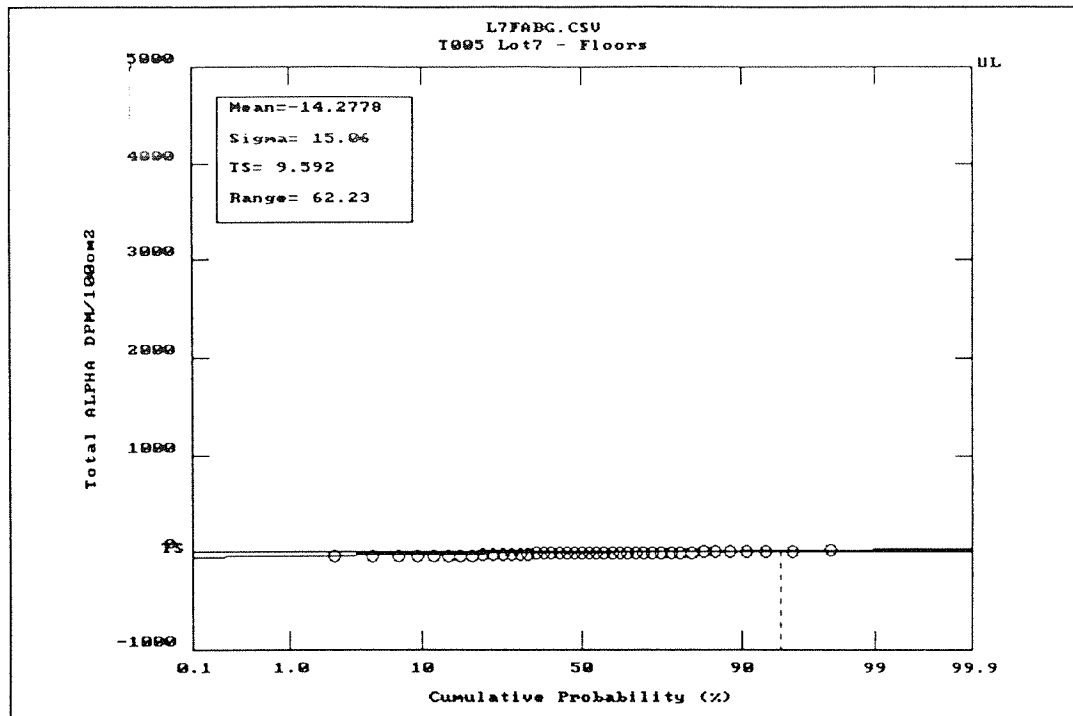
TABLE 11. Sample Lot 7 Results

	Calculated Test Statistic ($TS = \bar{x} + ks$)				
	Total Alpha (dpm/100 cm ²)	Total Beta (dpm/100 cm ²)	Removable Alpha (dpm/100 cm ²)	Removable Beta (dpm/100 cm ²)	Ambient Gamma (μR/hr)
Acceptance Limit (U)	5000	5000	1000	1000	20.27**
Entire area (except structure)	9.59 (59)*	1441.00 (60)*			13.33 (61)*
Structure	6.24 (62)*	1441.00 (63)*			
Entire Area			2.41 (64)*	8.71 (65)**	

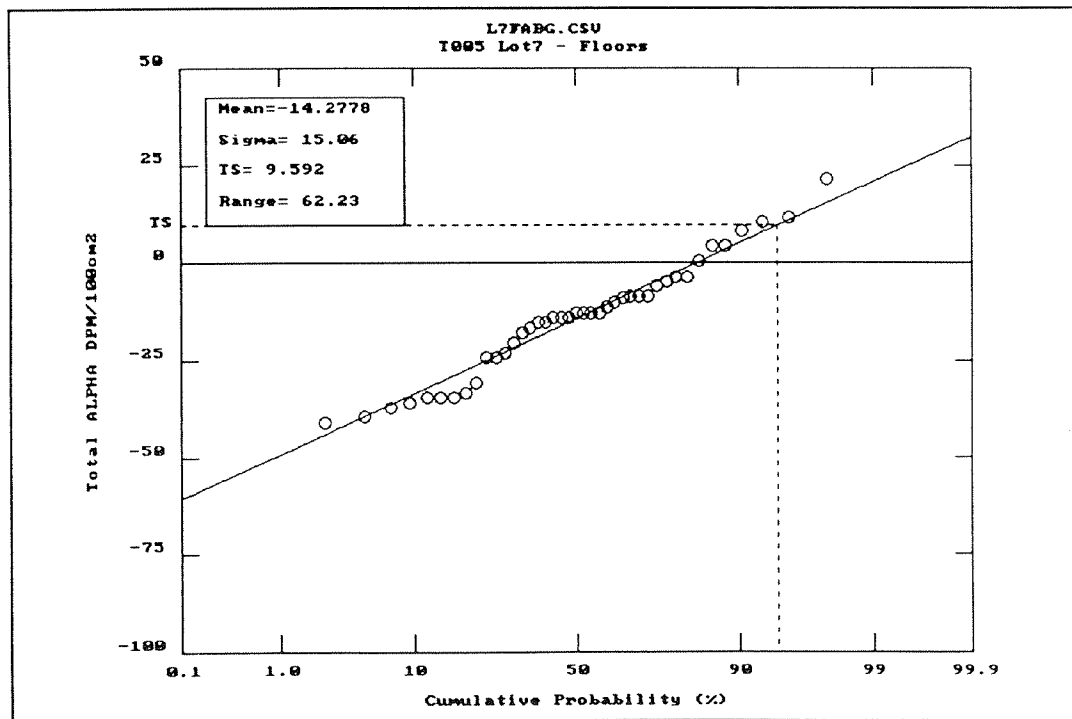
* Numbers in parenthesis refer to figure numbers.

** The acceptance limit for exterior ambient gamma exposure rate in μR/hr was determined by using the average ambient outdoor background exposure rate for 90 locations in SSFL Area I (15.27 μR/hr) from Reference 14 (page 83) and then adding the acceptance criteria from Table 3 (<5 μR/hr above background) to achieve a final exterior ambient gamma exposure rate limit of 20.27 μR/hr. All values, except the ambient gamma exposure rate, in this table are subtracted for daily instrument background.

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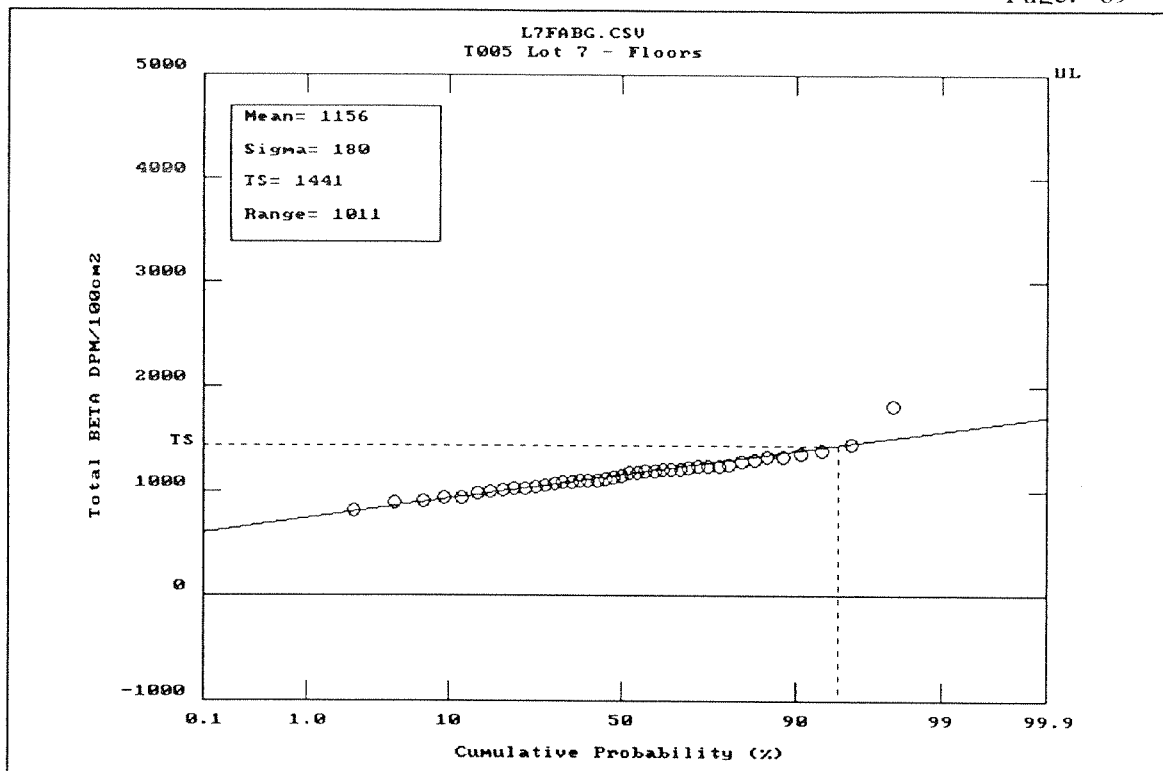


59a.) Scale Including Acceptance Limit (U)

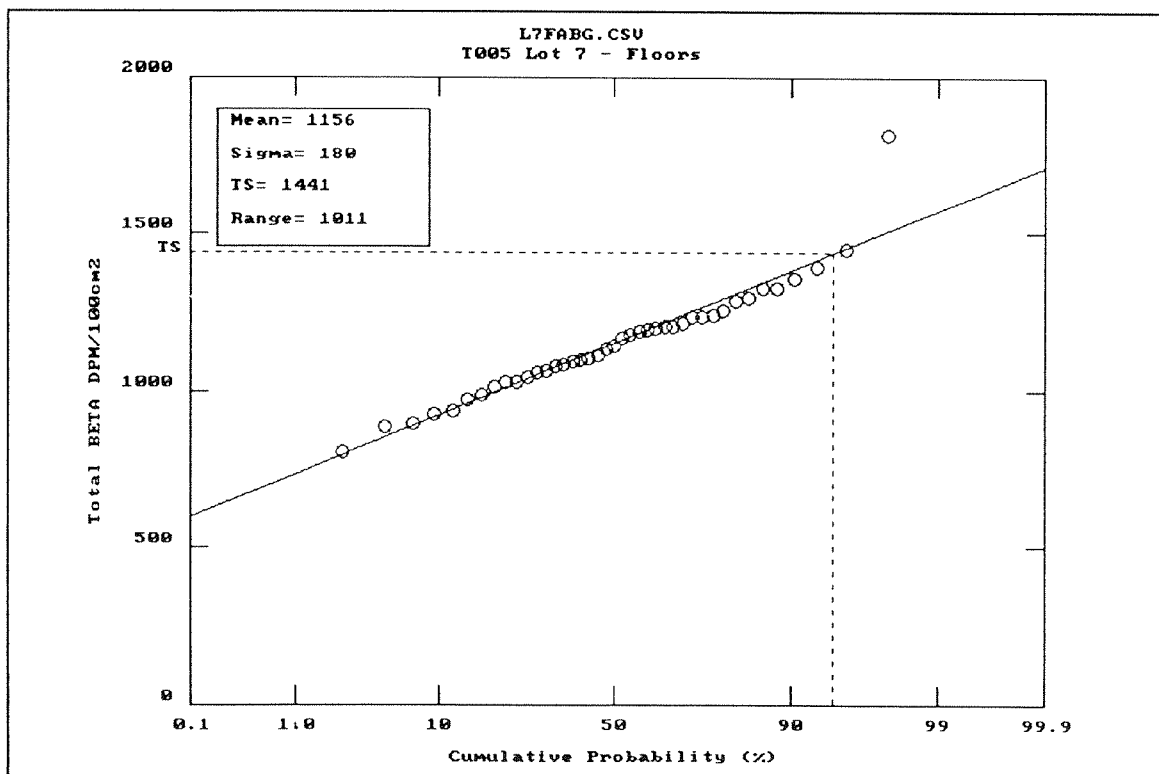


59b.) Expanded Scale

Figure 59. T005 - Lot 7 Building 049 Area Total Alpha Activity



60a.) Scale Including Acceptance Limit (U)



60b.) Expanded Scale

Figure 60. T005 - Lot 7 Building 049 Area Total Beta Activity

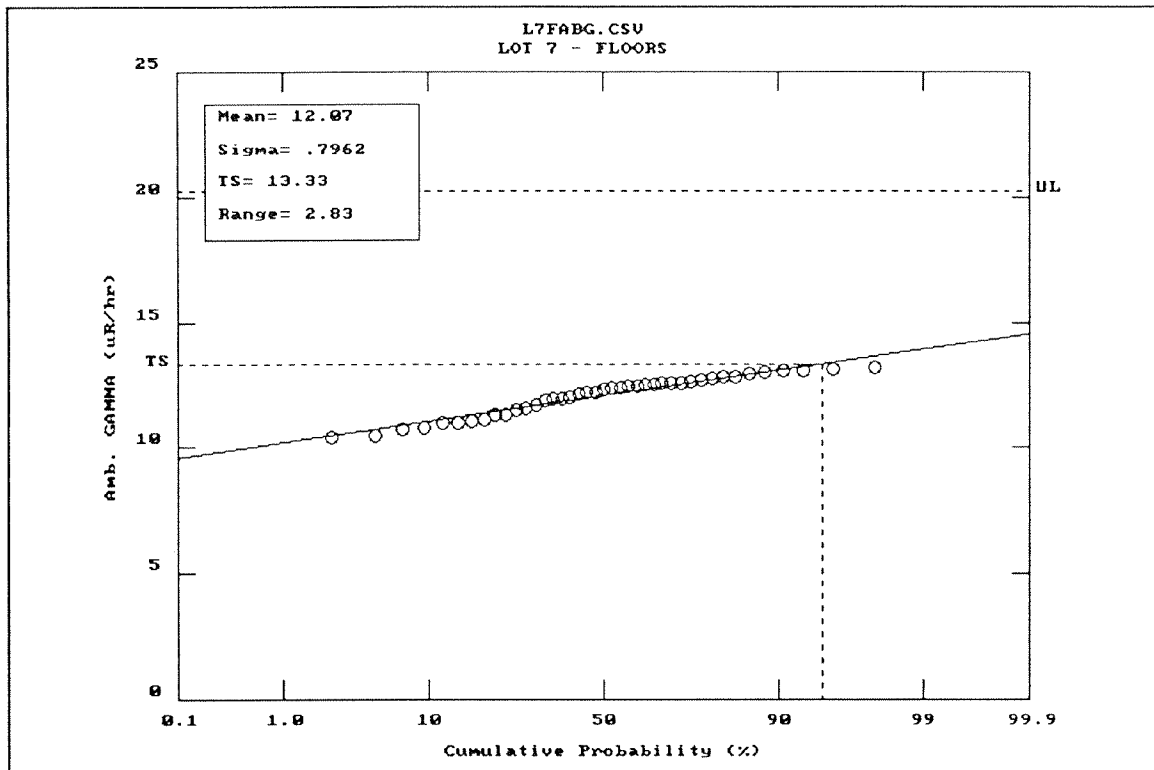
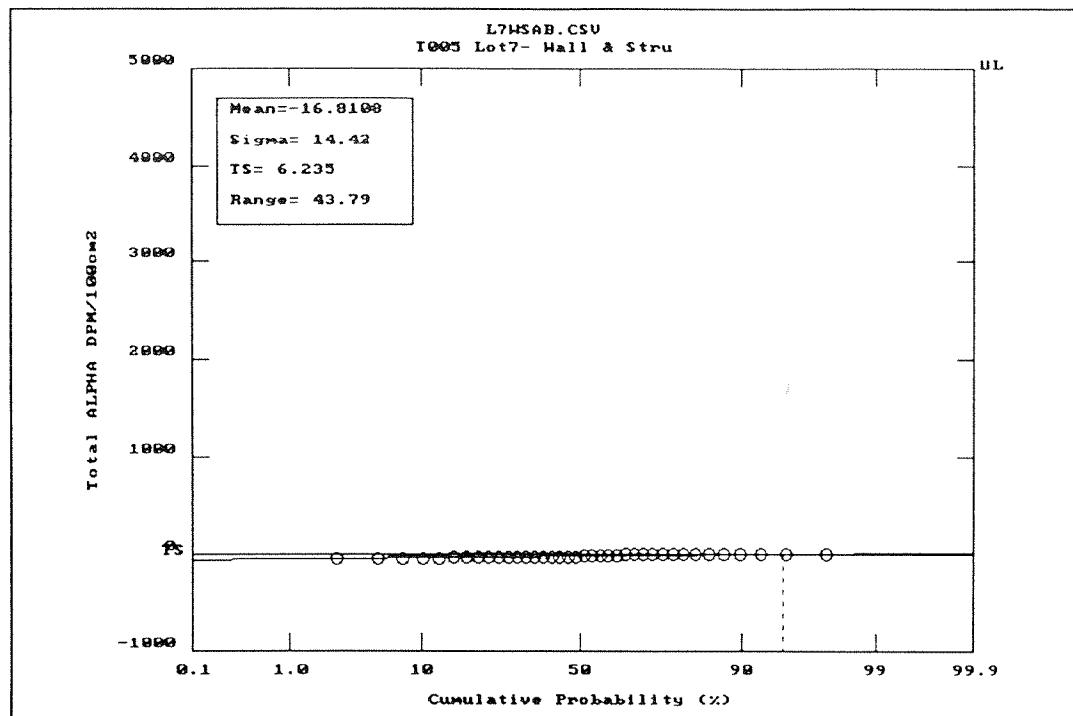
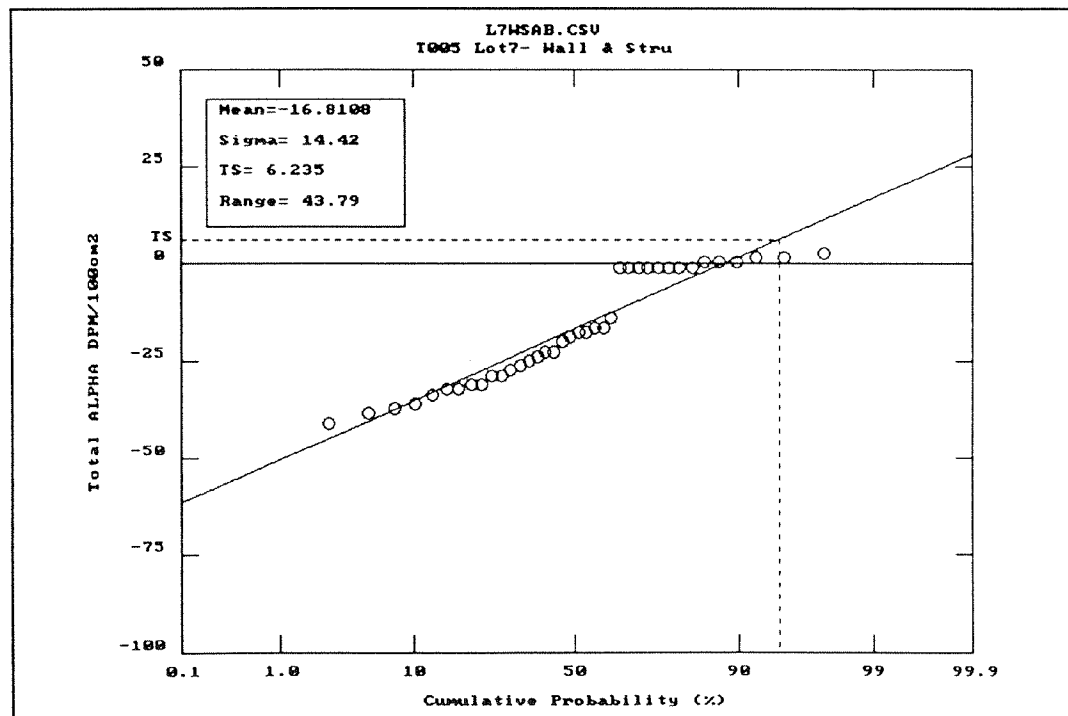


Figure 61. T005 - Lot 7 Concrete Slabs Ambient Gamma Exposure Rate

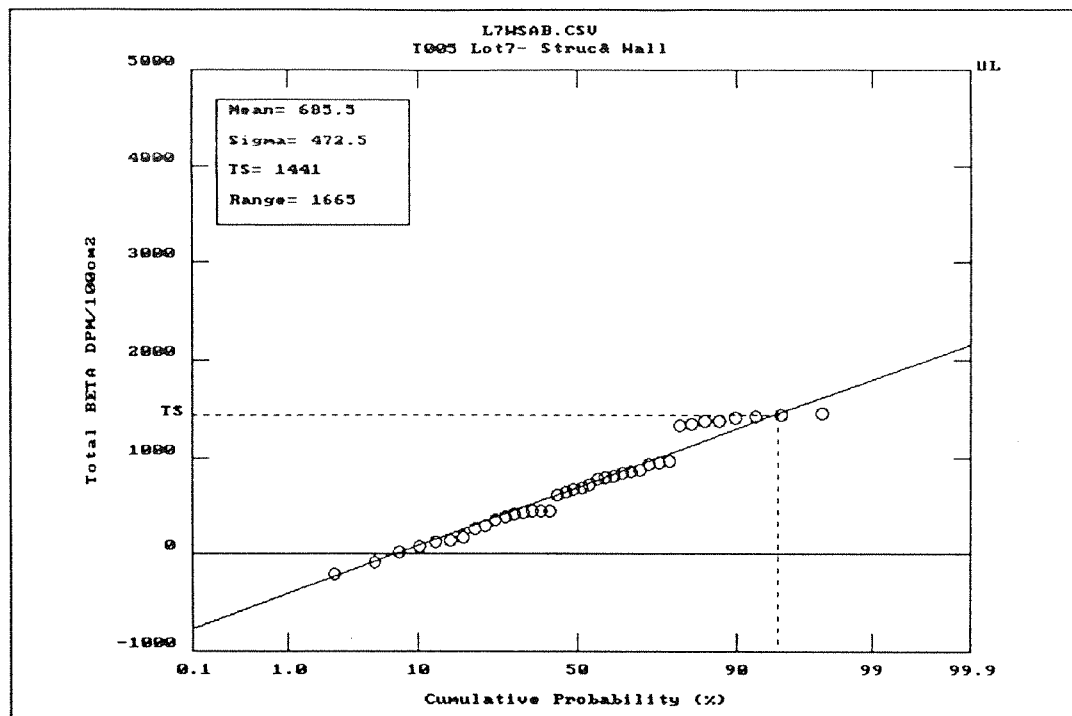


62a.) Scale Including Acceptance Limit (U)

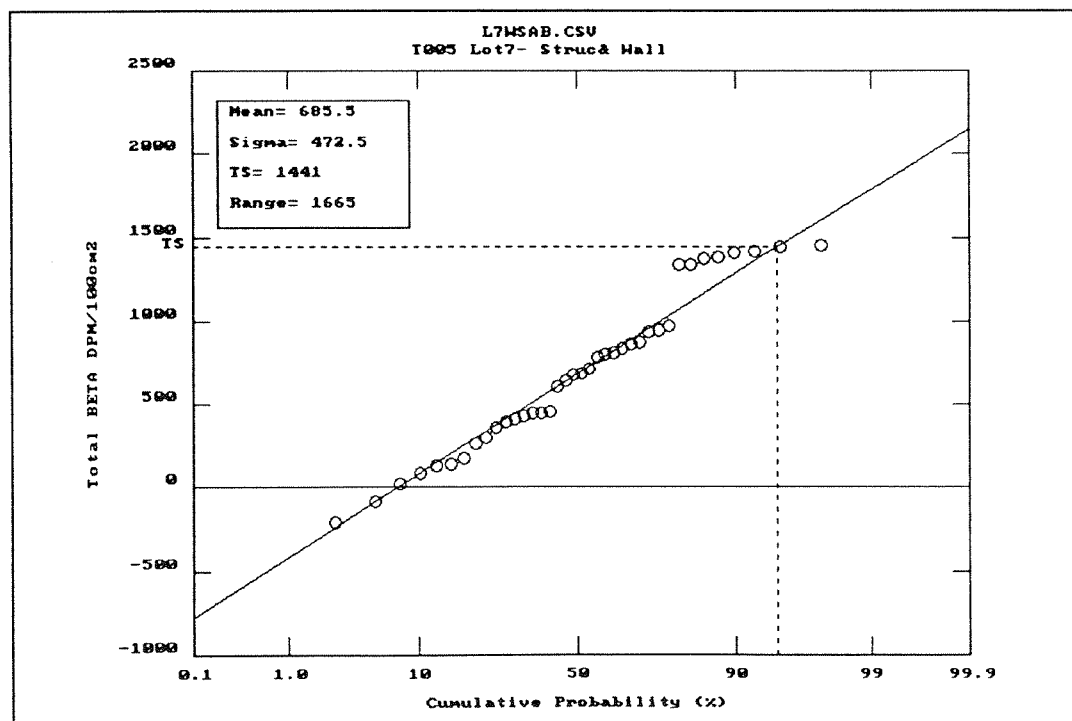


62b.) Expanded Scale

Figure 62. T005 - Lot 7 Structure Total Alpha Activity

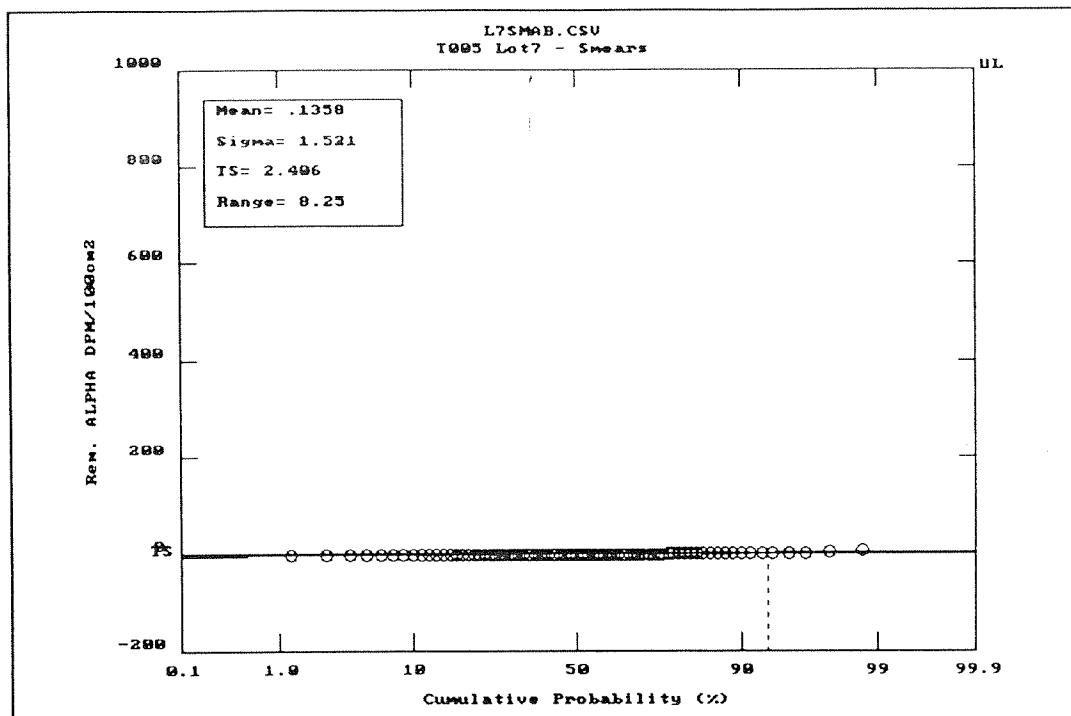


63a.) Scale Including Acceptance Limit (U)

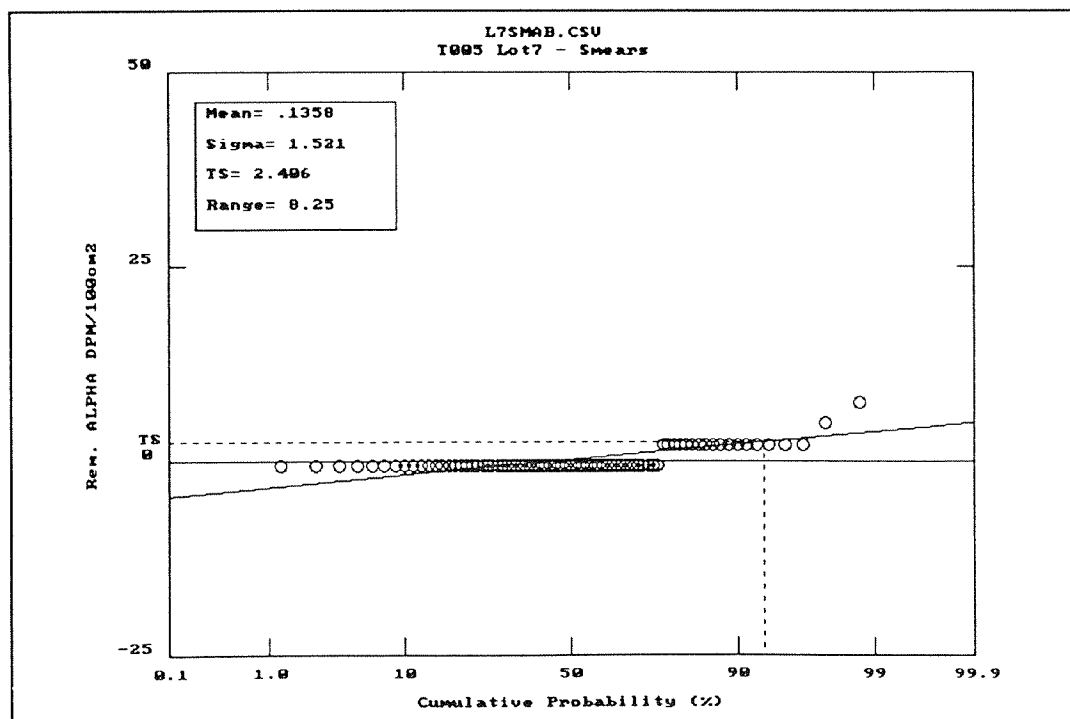


63b.) Expanded Scale

Figure 63. T005 - Lot 7 Structure Total Beta Activity

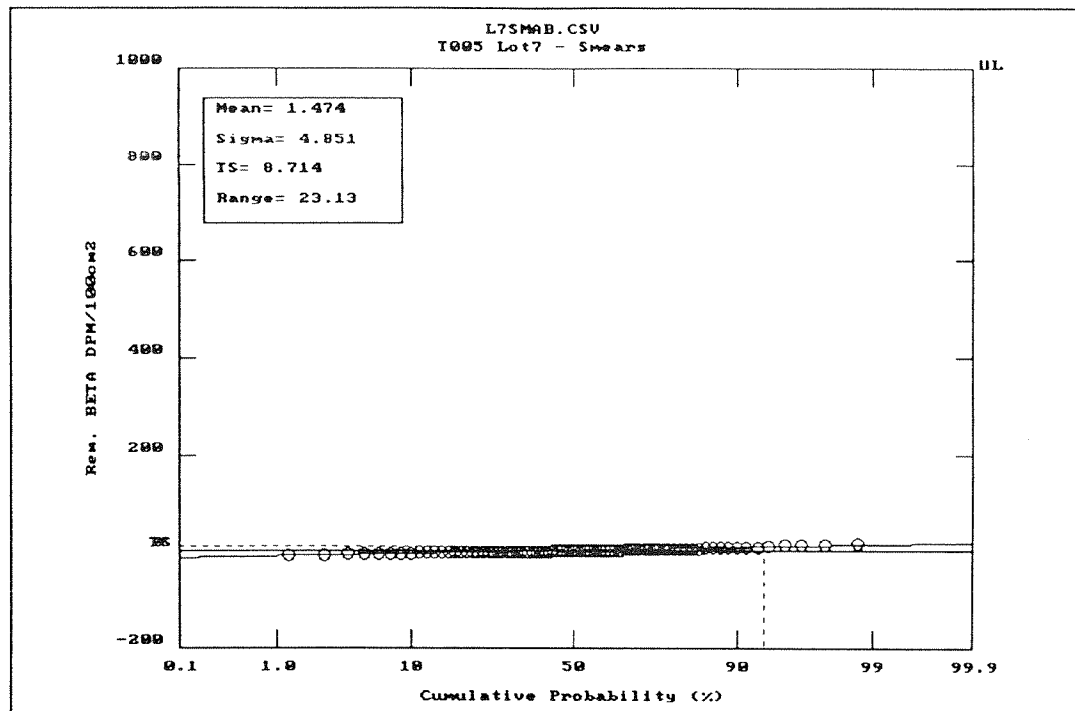


64a.) Scale Including Acceptance Limit (U)

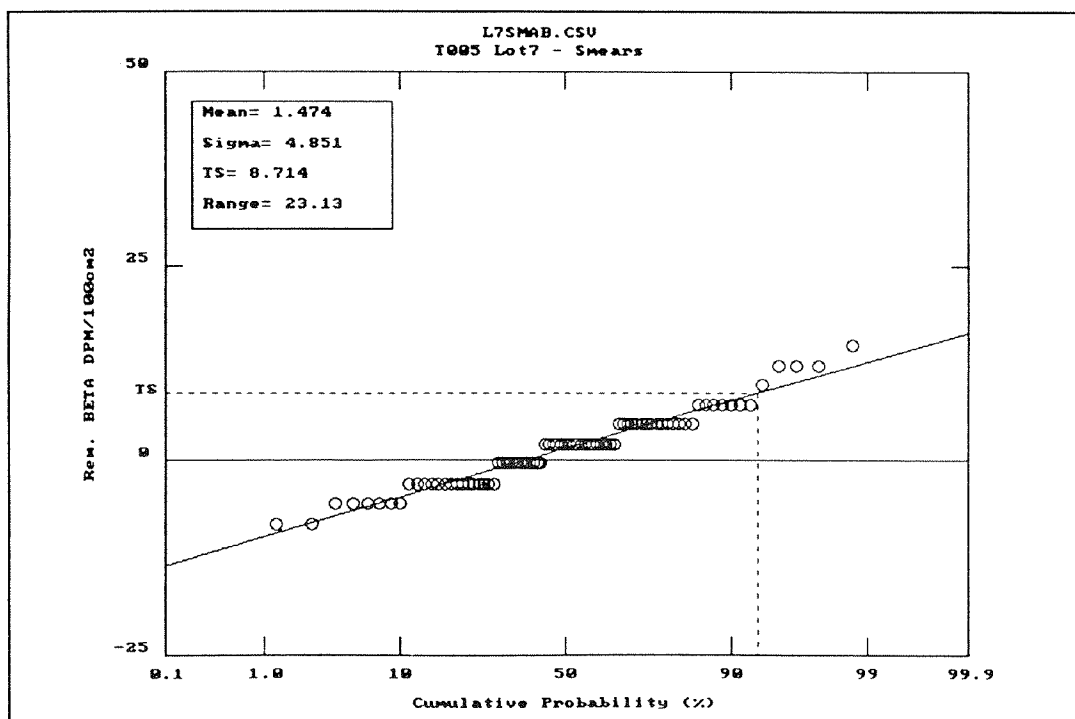


64b.) Expanded Scale

Figure 64. T005 - Lot 7 Building 049 Area Removable Alpha Activity



65a.) Scale Including Acceptance Limit (U)



65b.) Expanded Scale

Figure 65. T005 - Lot 7 Building 049 Area Removable Beta Activity

8. Sample Lot 8

a) Description

Sample Lot 8, located on the roof of Building 005, contains a three-tiered roof which had contaminated ducting from the ventilation system pass over it. Due to the gravel on the roof, only total beta and ambient gamma measurements were made. Locations with respect to other building 005 areas are shown in Figure 8.

b) Analyses of Sample Lot 8 Data

Raw data measurements for Sample Lot 8 were taken, subtracted for daily instrument background, and plotted on a cumulative probability graph as explained previously. For statistical comparisons (using the "sampling inspection by variables" method), similar areas within Sample Lot 8 were combined together and then analyzed for the specific type of radiation measurement made on the surface. Individual raw measurement data and instrument backgrounds are provided in Appendix A.

Sample Lot 8 results are tabulated in Table 12 for comparing the test statistic ($TS = x + ks$) with the applicable, established contamination criteria or acceptance limit (U) from Table 3. The corresponding figures for the graphs of each cumulative probability plot are provided at the end of this section. Individual sample result calculations used as graph data for Sample Lot 8 are provided in Appendix B.

c) Interpretation of Results for Sample Lot 8

Figures 66 through 67 and Table 12 demonstrate that for each applicable acceptance limit (U) from Table 3, the corresponding test statistic value (TS) is less than the limit (U) or $TS < U$. Therefore, the two figures for Sample Lot 8 pass the "sampling inspection by variables" test and are "Accepted" as radiologically clean. Or in other words, the Building 005 Sample Lot 8 survey corresponds to assuring with a 90% confidence that 90% of Sample Lot 8 has residual contamination below 100% (a 90/90/100 test) of the applicable NRC, DOE, and State of California limits proscribed in Table 3.

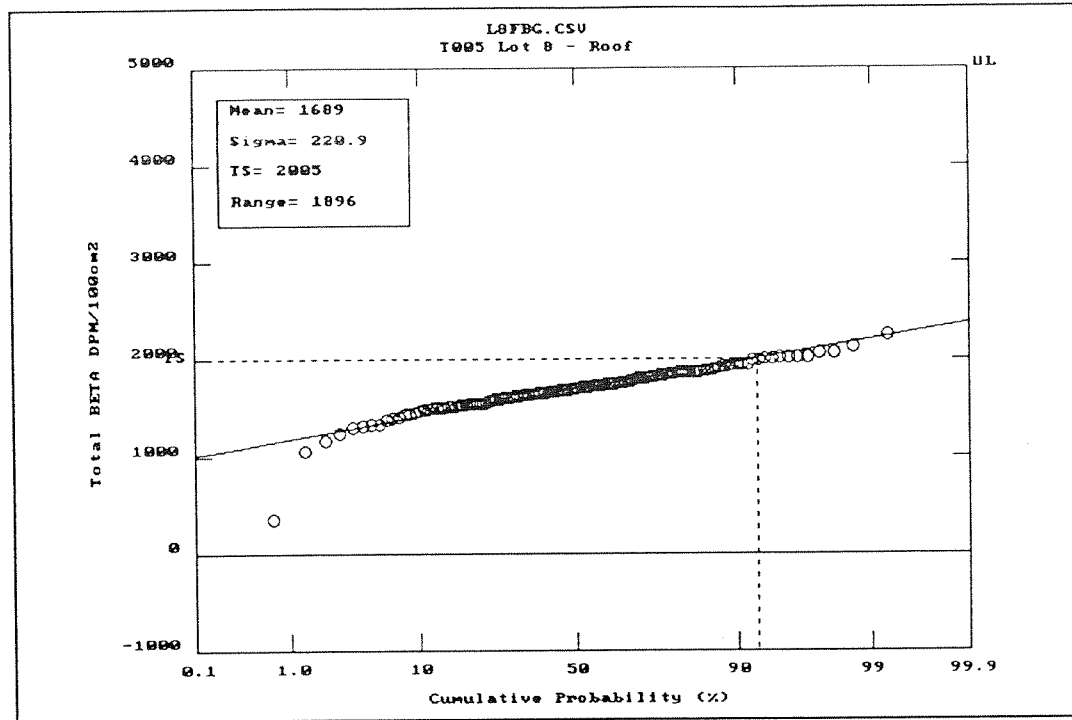
TABLE 12. Sample Lot 8 Results

	Calculated Test Statistic ($TS = \bar{x} + ks$)				
	Total Alpha (dpm/100 cm ²)	Total Beta (dpm/100 cm ²)	Removable Alpha (dpm/100 cm ²)	Removable Beta (dpm/100 cm ²)	Ambient Gamma (μR/hr)
Acceptance Limit (U)	5000	5000	1000	1000	20.27**
Roof	Surface precludes this method	2005.00 (66)*	Surface precludes this method	Surface precludes this method	12.14 (67)*

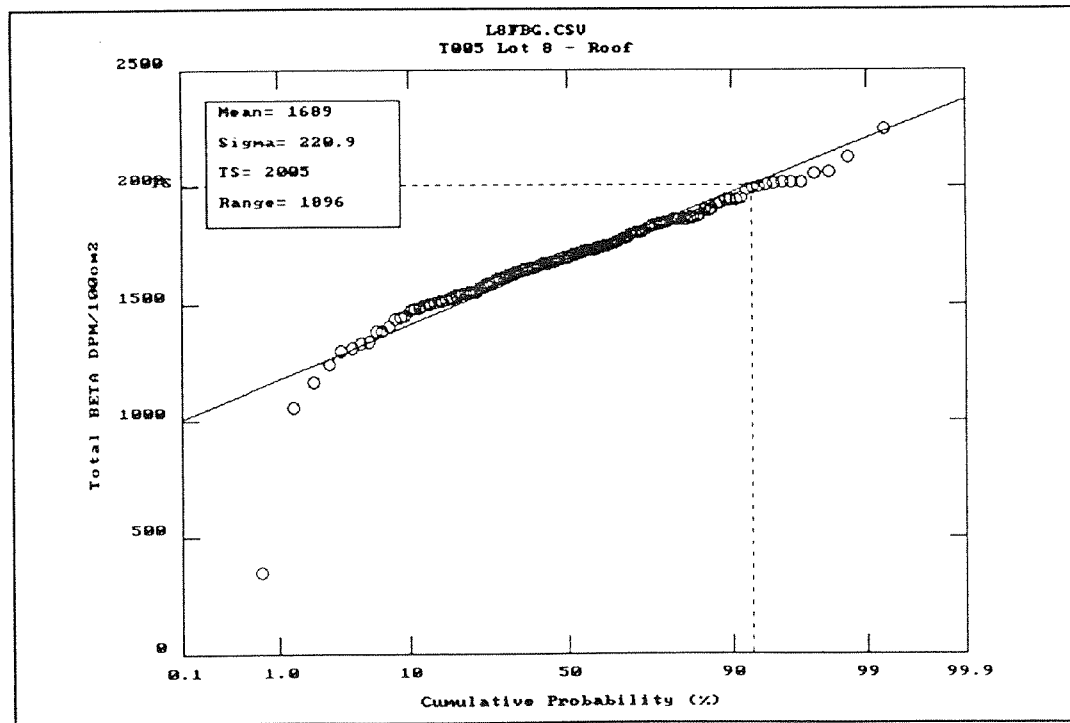
* Numbers in parenthesis refer to figure numbers.

** The acceptance limit for exterior ambient gamma exposure rate in μR/hr was determined by using the average ambient outdoor background exposure rate for 90 locations in SSFL Area I (15.27 μR/hr) from Reference 14 (page 83) and then adding the acceptance criteria from Table 3 (<5 μR/hr above background) to achieve a final exterior ambient gamma exposure rate limit of 20.27 μR/hr. All values, except the ambient gamma exposure rate, in this table are subtracted for daily instrument background.

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66a.) Scale Including Acceptance Limit (U)



66b.) Expanded Scale

Figure 66. T005 - Lot 7 Building 049 Area Total Alpha Activity

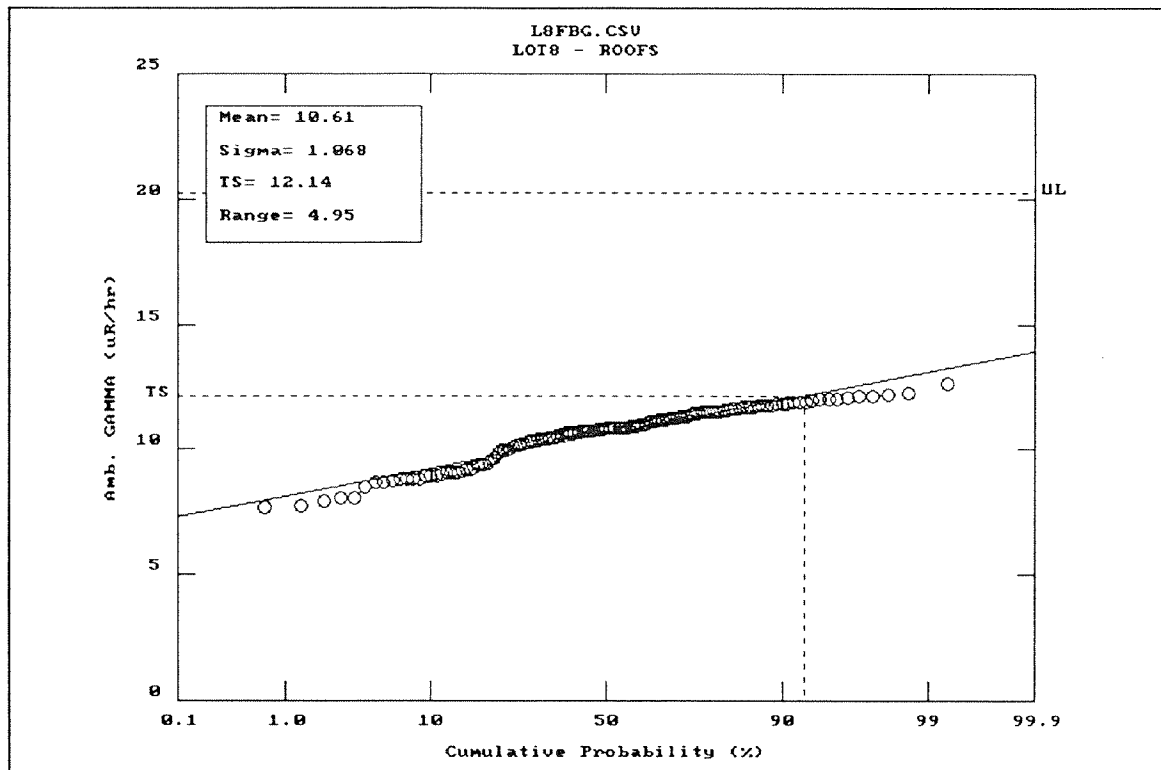


Figure 67. T005 - Lot 8 Roof Areas Ambient Gamma Activity

APPENDIX A
Building 005 Lots 1 through 8
Final Survey Data

10-Sep-93

T005 LOT1 - Rooms 105,112,115 FINAL SURVEY DATA

Page1

		GROSS COUNTS IN 5 MINUTES								ALPHA						BETA				GAMMA		
SAMPLE	GRID		ALPHA			BETA		GAMMA		INSTRUMENT		SMEAR			INSTRUMENT			SMEAR			GAMMA	
NAME	NAME	TOTAL	MAX	REM	TOTAL	MAX	REM	TOTAL	BACKG	EFACT	AFACT	BACKG	EFACT	BACKG	EFACT	AFACT	BACKG	EFACT	BACKG	EFACT		
Rm 115 - Floor	1,3	5		2	236		5	1814	2.83	6.46	1.41	0.6	2.6567	239.83	7.66	5	4.3	2.6539		0.0047		
Rm 115 - Floor	6,3	2		0	263		5	1938	2.83	6.46	1.41	0.6	2.6567	239.83	7.66	5	4.3	2.6539		0.0047		
Rm 115 - Floor	7,4	6		0	246		5	1828	2.83	6.46	1.41	0.6	2.6567	239.83	7.66	5	4.3	2.6539		0.0047		
Rm 115 - Floor	3,5	2		0	251		5	1809	4	5.65	1.41	0.6	2.6567	239.83	7.66	5	4.3	2.6539		0.0047		
Rm 115 - Floor	5,6	2		0	272		3	1885	9.67	4.2	1.41	0.6	2.6567	256.83	6.99	5	4.3	2.6539		0.0047		
Rm 115 - Floor	5,7	5		0	243		1	1895	9.67	4.2	1.41	0.6	2.6567	256.83	6.99	5	4.3	2.6539		0.0047		
Rm 115 - Floor	2,8	4		2	240		3	1823	4	5.65	1.41	0.6	2.6567	256.83	6.99	5	4.3	2.6539		0.0047		
Rm 115 - Floor	N,5	3		0	267		6	1796	9.67	4.2	1.41	0.6	2.6567	256.83	6.99	5	4.3	2.6539		0.0047		
Rm 115 - Floor	4,10	5		0	239		10	1771	4	5.65	1.41	0.6	2.6567	256.83	6.99	5	4.3	2.6539		0.0047		
Rm 115 - Ceiling	3,1	17		0	224		5		9.67	4.2	1.41	0.6	2.6567	256.83	6.99	5	4.3	2.6539		0.0047		
Rm 115 - Ceiling	5,3	20		1	241		4		9.67	4.2	1.41	0.6	2.6567	256.83	6.99	5	4.3	2.6539		0.0047		
Rm 115 - Ceiling	4,4	25		0	253		7		9.67	4.2	1.41	0.6	2.6567	256.83	6.99	5	4.3	2.6539		0.0047		
Rm 115 - Ceiling	3,6	2		1	214		0		9.67	4.2	1.41	0.6	2.6567	256.83	6.99	5	4.3	2.6539		0.0047		
Rm 115 - Ceiling	7,6	12		1	243		4		9.67	4.2	1.41	0.6	2.6567	256.83	6.99	5	4.3	2.6539		0.0047		
Rm 115 - Ceiling	6,7	17		1	213		7		9.67	4.2	1.41	0.6	2.6567	256.83	6.99	5	4.3	2.6539		0.0047		
Rm 115 - Ceiling	2,8	17		1	218		4		9.67	4.2	1.41	0.6	2.6567	256.83	6.99	5	4.3	2.6539		0.0047		
Rm 115 - Ceiling	4,10	30		0	235		6		9.67	4.2	1.41	0.6	2.6567	256.83	6.99	5	4.3	2.6539		0.0047		
Rm 115 - Ceiling	7,10	39		1	243		2		9.67	4.2	1.41	0.6	2.6567	256.83	6.99	5	4.3	2.6539		0.0047		
Rm 115 - Wall West	1,3	7		1	215		9		4	5.65	1.41	0.6	2.6567	232.33	7.16	5	4.3	2.6539		0.0047		
Rm 115 - Wall West	1,4	10		0	221		3		4	5.65	1.41	0.6	2.6567	232.33	7.16	5	4.3	2.6539		0.0047		
Rm 115 - Wall West	3,7	17		1	212		1		4	5.65	1.41	0.6	2.6567	232.33	7.16	5	4.3	2.6539		0.0047		
Rm 115 - Wall East	2,7	10		1	206		3		2.83	6.46	1.41	0.6	2.6567	232.33	7.16	5	4.3	2.6539		0.0047		
Rm 115 - Wall East	2,5	11		0	202		4		9.67	4.2	1.41	0.6	2.6567	232.33	7.16	5	4.3	2.6539		0.0047		
Rm 115 - Wall East	2,3	5		1	196		1		9.67	4.2	1.41	0.6	2.6567	232.33	7.16	5	4.3	2.6539		0.0047		
Rm 115 - Wall North	2,1	15		1	178		6		9.67	4.2	1.41	0.6	2.6567	232.33	7.16	5	4.3	2.6539		0.0047		
Rm 115 - Wall North	3,4	10		1	209		12		4	5.65	1.41	0.5	2.6518	232.33	7.16	5	3.1	2.6767		0.0047		
Rm 115 - Wall North	2,8	6		0	231		4		9.67	4.2	1.41	0.6	2.6567	256.83	6.99	5	4.3	2.6539		0.0047		
Rm 115 - Wall North	1,10	4		0	211		4		9.67	4.2	1.41	0.6	2.6567	232.33	7.16	5	4.3	2.6539		0.0047		
Rm 115 - Wall South	1,10	7		0	187		5		4	5.65	1.41	0.6	2.6567	256.83	6.99	5	4.3	2.6539		0.0047		
Rm 115 - Wall South	2,9	2		0	219		3		4	5.65	1.41	0.6	2.6567	232.33	7.16	5	4.3	2.6539		0.0047		
Rm 115 - Wall South	3,5	7		0	178		3		2.83	6.46	1.41	0.6	2.6567	256.83	6.99	5	4.3	2.6539		0.0047		
Rm 115 - Wall South	2,3	3		0	174		2		4	5.65	1.41	0.6	2.6567	232.33	7.16	5	4.3	2.6539		0.0047		
Rm 105f - Floor(Waxed)	2,1			1	362		6	1788	6.5	6.48	1.41	0.6	2.6567	244.75	6.8	5	4.3	2.6539		0.0047		
Rm 105f - Floor(Waxed)	7,2			0	400		6	1908	6.5	6.48	1.41	0.6	2.6567	244.75	6.8	5	4.3	2.6539		0.0047		
Rm 105f - Floor(Waxed)	4,3			0	342		4	2005	6.5	6.48	1.41	0.6	2.6567	244.75	6.8	5	4.3	2.6539		0.0047		
Rm 105f - Floor(Waxed)	3,4			1	315		2	2029	6.5	6.48	1.41	0.6	2.6567	244.75	6.8	5	4.3	2.6539		0.0047		
Rm 105f - Floor(Waxed)	8,5			1	365		4	1835	6.5	6.48	1.41	0.6	2.6567	244.75	6.8	5	4.3	2.6539		0.0047		
Rm 105f - Floor(Waxed)	5,6			0	352		4	1722	6.5	6.48	1.41	0.6	2.6567	244.75	6.8	5	4.3	2.6539		0.0047		
Rm 105f - Floor	9,7	7		2	334		4	1791	6.5	6.48	1.41	0.6	2.6567	244.75	6.8	5	4.3	2.6539		0.0047		

10-Sep-93

T005 LOT1 - Rooms 105,112,115 FINAL SURVEY DATA

Page2

		GROSS COUNTS IN 5 MINUTES									ALPHA					BETA					GAMMA	
SAMPLE	GRID	ALPHA			BETA			GAMMA		INSTRUMENT			SMEAR			INSTRUMENT			SMEAR			
NAME	NAME	TOTAL	MAX	REM	TOTAL	MAX	REM	TOTAL	BACKG	EFACT	AFACT	BACKG	EFACT	BACKG	EFACT	AFACT	BACKG	EFACT	BACKG	EFACT		
Rm 105f - Floor(Waxed)	1,8			0	324		7	1805	25.75	4.38	1.41	0.6	2.6567	234.83	6.98	5	4.3	2.6539		0.0047		
Rm 105f - Floor(Waxed)	E,5			0	333		7	1714	25.75	4.38	1.41	0.6	2.6567	234.83	6.98	5	4.3	2.6539		0.0047		
Rm 105f - Floor	N,1	6		1	348		3	1673	6.5	6.48	1.41	0.6	2.6567	244.75	6.8	5	4.3	2.6539		0.0047		
Rm 105f - Wall West	3,1	5		2	180		10		6.5	6.48	1.41	0.6	2.6567	244.75	6.8	5	4.3	2.6539		0.0047		
Rm 105f - Wall West	4,3	3		2	188		4		1.5	3.7	1.41	0.6	2.6567	216	6.64	5	4.3	2.6539		0.0047		
Rm 105f - Wall West	2,5	3		0	179		10		6.5	6.48	1.41	0.6	2.6567	244.75	6.8	5	4.3	2.6539		0.0047		
Rm 105f - Wall West	5,6	4		0	188		2		1.5	3.7	1.41	0.5	2.6518	216	6.64	5	3.1	2.6767		0.0047		
Rm 105f - Wall West	3,7	9		0	171		1		6.5	6.48	1.41	0.6	2.6567	244.75	6.8	5	4.3	2.6539		0.0047		
Rm 105f - Wall West	4,8	1		0	183		4		1.5	3.7	1.41	0.5	2.6518	216	6.64	5	3.1	2.6767		0.0047		
Rm 105f - Wall West	4,R	4		1	205		5		1.5	3.7	1.41	0.5	2.6518	216	6.64	5	3.1	2.6767		0.0047		
Rm 105f - Wall North	2,2	30		0	218		8		27.25	4.88	1.41	0.5	2.6518	244.75	7.43	5	3.1	2.6767		0.0047		
Rm 105f - Wall North	1,5	26		0	220		3		27.25	4.88	1.41	0.5	2.6518	244.75	7.43	5	3.1	2.6767		0.0047		
Rm 105f - Wall North	3,8	30		0	228		6		26	4.23	1.41	0.5	2.6518	250.5	6.91	5	3.1	2.6767		0.0047		
Rm 105f - Wall North	5,7	5		0	233		3		1.5	3.7	1.41	0.5	2.6518	216	6.64	5	3.1	2.6767		0.0047		
Rm 105f - Wall North	4,3	2		0	209		4		1.5	3.7	1.41	0.5	2.6518	216	6.64	5	3.1	2.6767		0.0047		
Rm 105f - Wall North	N,9+3	3		0	210		6		1.5	3.7	1.41	0.5	2.6518	216	6.64	5	3.1	2.6767		0.0047		
Rm 105f - Wall South	2,3	5		0	184		5		6.5	6.48	1.41	0.6	2.6567	244.75	6.8	5	4.3	2.6539		0.0047		
Rm 105f - Wall South	4,3	1		0	159		4		1.25	4.03	1.41	0.6	2.6567	240.75	9.3	5	4.3	2.6539		0.0047		
Rm 105f - Wall South	1,5	7		1	183		4		6.5	6.48	1.41	0.6	2.6567	244.75	6.8	5	4.3	2.6539		0.0047		
Rm 105f - Wall South	5,6	4		1	206		4		1.25	4.03	1.41	0.6	2.6567	240.75	9.3	5	4.3	2.6539		0.0047		
Rm 105f - Wall South	3,7	6		0	198		1		6.5	6.48	1.41	0.6	2.6567	250.5	6.91	5	4.3	2.6539		0.0047		
Rm 105f - Wall South	4,7	2		0	187		6		1.25	4.03	1.41	0.6	2.6567	240.75	9.3	5	4.3	2.6539		0.0047		
Rm 105f - Wall South	2,8	28		0	208		5		26	4.23	1.41	0.6	2.6567	250.5	6.91	5	4.3	2.6539		0.0047		
Rm 105HB - Floor	3,1	29		3	343		3	1790	25.75	4.38	1.41	0.6	2.6567	234.83	6.98	5	4.3	2.6539		0.0047		
Rm 105HB - Floor	2,6	24		5	324		5	1938	25.75	4.38	1.41	0.6	2.6567	234.83	6.98	5	4.3	2.6539		0.0047		
Rm 105HB - Floor	1,7	34		3	318		3	1868	25.75	4.38	1.41	0.6	2.6567	234.83	6.98	5	4.3	2.6539		0.0047		
Rm 105HB - Floor	6,6	34		3	340		3	1987	25.75	4.38	1.41	0.6	2.6567	234.83	6.98	5	4.3	2.6539		0.0047		
Rm 105HB - Floor	6,1	35		8	361		8	1910	24	4.53	1.41	0.6	2.6567	250	7.25	5	4.3	2.6539		0.0047		
Rm 105HB - Floor	7,6	38		4	333		4	2087	25.75	4.38	1.41	0.6	2.6567	234.83	6.98	5	4.3	2.6539		0.0047		
Rm 105HB - Floor	7,2	37		5	358		5	1995	24	4.53	1.41	0.6	2.6567	250	7.25	5	4.3	2.6539		0.0047		
Rm 105HB - Floor	9,8	38		5	332		5	1838	25.75	4.38	1.41	0.6	2.6567	234.83	6.98	5	4.3	2.6539		0.0047		
Rm 105HB - Floor	10,1	22		4	339		4	1589	25.75	4.38	1.41	0.6	2.6567	234.83	6.98	5	4.3	2.6539		0.0047		
Rm 105HB - Floor	11,4	35		11	384		11	1947	24	4.53	1.41	0.6	2.6567	250	7.25	5	4.3	2.6539		0.0047		
Rm 105HB - Floor	13,8	23		7	332		7	1681	24	4.53	1.41	0.6	2.6567	250	7.25	5	4.3	2.6539		0.0047		
Rm 105HB - Floor	14,4	34		6	372		6	1904	24	4.53	1.41	0.6	2.6567	250	7.25	5	4.3	2.6539		0.0047		
Rm 105HB - Floor	14,3	36		5	343		5	1748	24	4.53	1.41	0.6	2.6567	250	7.25	5	4.3	2.6539		0.0047		
Rm 105HB - Floor	16,4	31		6	341		6	1879	24	4.53	1.41	0.6	2.6567	250	7.25	5	4.3	2.6539		0.0047		
Rm 105HB - Floor	17,2	35		6	345		6	1868	24	4.53	1.41	0.6	2.6567	250	7.25	5	4.3	2.6539		0.0047		
Rm 105HB - Floor	18,8	27		4	369		4	1820	24	4.53	1.41	0.6	2.6567	250	7.25	5	4.3	2.6539		0.0047		

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T005 LOT1 - Rooms 105,112,115 FINAL SURVEY DATA

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		GROSS COUNTS IN 5 MINUTES								ALPHA					BETA				GAMMA		
SAMPLE	GRID	ALPHA			BETA			GAMMA		INSTRUMENT		SMEAR			INSTRUMENT			SMEAR			
NAME	NAME	TOTAL	MAX	REM	TOTAL	MAX	REM	TOTAL	BACKG	EFACT	AFACT	BACKG	EFACT	BACKG	EFACT	AFACT	BACKG	EFACT	BACKG	EFACT	
Rm 105HB - Ceiling	2,6	6		4	231		4		1.5	4.06	1.41	0.6	2.6567	229.75	7.38	5	4.3	2.6539		0.0047	
Rm 105HB - Ceiling	8,7	8		1	208		4		1.5	4.06	1.41	0.6	2.6567	229.75	7.38	5	4.3	2.6539		0.0047	
Rm 105HB - Ceiling	5,7	7		5	225		5		1.5	4.06	1.41	0.6	2.6567	229.75	7.38	5	4.3	2.6539		0.0047	
Rm 105HB - Ceiling	5,5	6		9	221		2		1.5	4.06	1.41	0.6	2.6567	229.75	7.38	5	4.3	2.6539		0.0047	
Rm 105HB - Wall West	2,3	4		2	194		23		1.25	4.03	1.41	0.5	2.6518	240.75	9.3	5	3.1	2.6767		0.0047	
Rm 105HB - Wall West	3,5	2		0	187		2		1.25	4.03	1.41	0.5	2.6518	240.75	9.3	5	3.1	2.6767		0.0047	
Rm 105HB - Wall West	2,8	1		0	196		0		1.25	4.03	1.41	0.6	2.6567	240.75	9.3	5	4.3	2.6539		0.0047	
Rm 105HB - Wall West	3,10	1		4	206		4		1.25	4.03	1.41	0.6	2.6567	240.75	9.3	5	4.3	2.6539		0.0047	
Rm 105HB - Wall South	1,3	22		7	209		7		26	4.23	1.41	0.6	2.6567	250.5	6.91	5	4.3	2.6539		0.0047	
Rm 105HB - Wall South	2,5	31		3	193		3		26	4.23	1.41	0.6	2.6567	250.5	6.91	5	4.3	2.6539		0.0047	
Rm 105HB - Wall South	4,5	5		1	199		1		2	4.12	1.41	0.6	2.6567	233.83	6.82	5	4.3	2.6539		0.0047	
Rm 105HB - Wall South	5,7	2		6	165		6		2	4.12	1.41	0.6	2.6567	233.83	6.82	5	4.3	2.6539		0.0047	
Rm 105HB - Wall South	6,2	3		6	199		6		2	4.12	1.41	0.6	2.6567	233.83	6.82	5	4.3	2.6539		0.0047	
Rm 105HB - Wall South	8,3	2		2	184		2		2	4.12	1.41	0.6	2.6567	233.83	6.82	5	4.3	2.6539		0.0047	
Rm 105HB - Wall South	8,4	1		2	191		2		2	4.12	1.41	0.6	2.6567	233.83	6.82	5	4.3	2.6539		0.0047	
Rm 105HB - Wall South	8,7	1		4	210		4		2	4.12	1.41	0.6	2.6567	233.83	6.82	5	4.3	2.6539		0.0047	
Rm 105HB - Wall East	1,1	32		0	198		4		27.25	4.88	1.41	0.6	2.6567	244.75	7.43	5	4.3	2.6539		0.0047	
Rm 105HB - Wall East	7,2	2		0	191		4		2	4.12	1.41	0.6	2.6567	233.83	6.82	5	4.3	2.6539		0.0047	
Rm 105HB - Wall East	6,3	2		0	194		4		2	4.12	1.41	0.6	2.6567	233.83	6.82	5	4.3	2.6539		0.0047	
Rm 105HB - Wall East	5,4	29		0	191		6		26	4.22	1.41	0.6	2.6567	250.5	6.91	5	4.3	2.6539		0.0047	
Rm 105HB - Wall East	7,4	2		1	175		6		2	4.12	1.41	0.6	2.6567	233.83	6.82	5	4.3	2.6539		0.0047	
Rm 105HB - Wall East	2,6	34		0	202		5		27.25	4.88	1.41	0.6	2.6567	244.75	7.43	5	4.3	2.6539		0.0047	
Rm 105HB - Wall East	3,8	29		1	187		2		25.25	4.32	1.41	0.6	2.6567	239	7.02	5	4.3	2.6539		0.0047	
Rm 105HB - Wall East	4,8	28		1	181		1		26	4.22	1.41	0.6	2.6567	250.5	6.91	5	4.3	2.6539		0.0047	
Rm 105HB - Wall East	7,8	2		0	196		5		2	4.12	1.41	0.6	2.6567	233.83	6.82	5	4.3	2.6539		0.0047	
Rm 105HB - Wall East	7,10	1		0	188		8		2.75	4.17	1.41	0.6	2.6567	246.25	7.1	5	4.3	2.6539		0.0047	
Rm 105HB - Wall East	5,10	31		0	201		6		26	4.22	1.41	0.6	2.6567	250.5	6.91	5	4.3	2.6539		0.0047	
Rm 105HB - Wall East	2,11	32		0	196		5		27.25	4.88	1.41	0.6	2.6567	244.75	7.43	5	4.3	2.6539		0.0047	
Rm 105HB - Wall East	7,14	3		1	181		4		2.75	4.17	1.41	0.6	2.6567	246.25	7.1	5	4.3	2.6539		0.0047	
Rm 105HB - Wall East	1,15	34		0	220		2		27.25	4.88	1.41	0.6	2.6567	244.75	7.43	5	4.3	2.6539		0.0047	
Rm 105HB - Wall East	5,15	27		0	204		5		26	4.22	1.41	0.6	2.6567	250.5	6.91	5	4.3	2.6539		0.0047	
Rm 105HB - Wall East	7,16	2		0	191		5		2.75	4.17	1.41	0.6	2.6567	246.25	7.1	5	4.3	2.6539		0.0047	
Rm 105HB - Wall East	5,17	28		0	202		4		26	4.22	1.41	0.6	2.6567	250.5	6.91	5	4.3	2.6539		0.0047	
Rm 105HB - Wall East	3,18	28		0	177		3		25.25	4.32	1.41	0.6	2.6567	239	7.02	5	4.3	2.6539		0.0047	
Rm 112HB - Wall East	2,20	21		0	206		6		29.25	4.42	1.41	0.6	2.6567	264.5	7.08	5	4.3	2.6539		0.0047	
Rm 112HB - Wall East	4,21	3		0	189		3		2.75	4.17	1.41	0.6	2.6567	246.25	7.1	5	4.3	2.6539		0.0047	
Rm 112HB - Wall East	8,21	5		0	192		3		2.75	4.17	1.41	0.6	2.6567	246.25	7.1	5	4.3	2.6539		0.0047	
Rm 112HB - Wall East	1,22	29		1	181		7		29.25	4.42	1.41	0.6	2.6567	264.5	7.08	5	4.3	2.6539		0.0047	
Rm 112HB - Wall East	4,22	4		2	182		8		2.75	4.17	1.41	0.6	2.6567	246.25	7.1	5	4.3	2.6539		0.0047	

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T005 LOT1 - Rooms 105,112,115 FINAL SURVEY DATA

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		GROSS COUNTS IN 5 MINUTES								ALPHA					BETA					GAMMA	
SAMPLE	GRID		ALPHA			BETA		GAMMA		INSTRUMENT		SMEAR			INSTRUMENT			SMEAR			
NAME	NAME	TOTAL	MAX	REM	TOTAL	MAX	REM	TOTAL	BACKG	EFACT	AFACT	BACKG	EFACT	BACKG	EFACT	AFACT	BACKG	EFACT	BACKG	EFACT	
Rm 112HB - Wall West	7,20	2		1	184		3		2.75	4.17	1.41	0.6	2.6567	246.25	7.1	5	4.3	2.6539		0.0047	
Rm 112HB - Wall North	1,4	2		0	195		6		2.75	4.17	1.41	0.6	2.6567	237.5	6.74	5	4.3	2.6539		0.0047	
Rm 112HB - Wall North	3,2	1		0	209		4		2.75	4.17	1.41	0.6	2.6567	237.5	6.74	5	4.3	2.6539		0.0047	
Rm 112HB - Wall North	3,8	2		0	177		4		2.75	4.17	1.41	0.6	2.6567	237.5	6.74	5	4.3	2.6539		0.0047	
Rm 112HB - Wall North	5,3	1		0	196		4		2.75	4.17	1.41	0.6	2.6567	246.25	7.1	5	4.3	2.6539		0.0047	
Rm 112HB - Wall North	5,5	3		0	160		8		2.75	4.17	1.41	0.6	2.6567	237.5	6.74	5	4.3	2.6539		0.0047	
Rm 112HB - Wall North	5,7	4		2	180		4		2.75	4.17	1.41	0.6	2.6567	237.5	6.74	5	4.3	2.6539		0.0047	
Rm 112HB - Wall North	7,2	2		0	188		1		2.75	4.17	1.41	0.6	2.6567	246.25	7.1	5	4.3	2.6539		0.0047	
Rm 112HB - Wall North	8,5	4		0	192		7		1.33	4.03	1.41	0.5	2.6518	249	9.62	5	3.1	2.6767		0.0047	
Light Fixture - Rm 112HB	S-1	2		1	180		5		1.75	4.16	1.41	0.5	2.6518	229.5	7.53	5	3.1	2.6767		0.0047	
Light Fixture - Rm 112HB	S-2	1		0	189		9		1.75	4.16	1.41	0.5	2.6518	229.5	7.53	5	3.1	2.6767		0.0047	
Light Fixture - Rm 112HB	S-3	3		0	189		4		1.75	4.16	1.41	0.5	2.6518	229.5	7.53	5	3.1	2.6767		0.0047	
Light Fixture - Rm 105HB	S-4	2		1	183		10		2.5	4.05	1.41	0.5	2.6518	231.67	7.32	5	3.1	2.6767		0.0047	
Light Fixture - Rm 105HB	S-5	3		0	204		7		2.5	4.05	1.41	0.5	2.6518	231.67	7.32	5	3.1	2.6767		0.0047	
8"-pipe along East Wall - Rm 105HB	S-6	1		3	173		5		1.5	4.1	1.41	0.5	2.6518	228.5	7.48	5	3.1	2.6767		0.0047	
8"-pipe along East Wall - Rm 105HB	S-7	3		2	176		7		1.5	4.1	1.41	0.5	2.6518	228.5	7.48	5	3.1	2.6767		0.0047	
8"-pipe along East Wall - Rm 112HB	S-8	1		0	171		7		1.5	4.1	1.41	0.5	2.6518	228.5	7.48	5	3.1	2.6767		0.0047	
8"-pipe along East Wall - Rm 112HB	S-9	1		1	163		2		1.5	4.1	1.41	0.5	2.6518	228.5	7.48	5	3.1	2.6767		0.0047	
Large white duct vent - Rm 105f	S-10	5		1	173		5		2.5	4.05	1.41	0.5	2.6518	231.67	7.32	5	3.1	2.6767		0.0047	
Large white duct vent - Rm 105f	S-11	4		1	173		3		2.5	4.05	1.41	0.5	2.6518	231.67	7.32	5	3.1	2.6767		0.0047	
Large white duct vent - Rm 105f	S-12	4		0	195		6		2.5	4.05	1.41	0.5	2.6518	231.67	7.32	5	3.1	2.6767		0.0047	
I-Beams - Rm 112HB	S-13	6		1	182		6		2.5	4.05	1.41	0.5	2.6518	231.67	7.32	5	3.1	2.6767		0.0047	
I-Beams - Rm 112HB	S-14	2		1	207		6		2.5	4.05	1.41	0.5	2.6518	231.67	7.32	5	3.1	2.6767		0.0047	
I-Beams - Rm 105HB	S-15	5		2	194		4		2.5	4.05	1.41	0.5	2.6518	231.67	7.32	5	3.1	2.6767		0.0047	
I-Beams - Rm 105HB	S-16	4		0	200		6		2.5	4.05	1.41	0.5	2.6518	231.67	7.32	5	3.1	2.6767		0.0047	
I-Beams - Rm 105HB	S-17	4		2	202		3		2.5	4.05	1.41	0.5	2.6518	231.67	7.32	5	3.1	2.6767		0.0047	
I-Beams - Rm 112HB	S-18	1		0	186		4		2.5	4.05	1.41	0.5	2.6518	231.67	7.32	5	3.1	2.6767		0.0047	
Overhead Crane - Rm 105HB	S-19	2		1	182		2		1.75	4.16	1.41	0.5	2.6518	229.5	7.53	5	3.1	2.6767		0.0047	
Overhead Crane - Rm 105HB	S-20	2		1	149		6		1.75	4.16	1.41	0.5	2.6518	229.5	7.53	5	3.1	2.6767		0.0047	
Electrical Box - Rm 105HB	S-21	6		0	163		3		2.5	4.05	1.41	0.5	2.6518	231.67	7.32	5	3.1	2.6767		0.0047	
Electrical Box - Rm 105HB	S-22	4		1	166		2		2.5	4.05	1.41	0.5	2.6518	231.67	7.32	5	3.1	2.6767		0.0047	
Yellow Gas Line - Rm 105HB	S-23	3		2	228		3		2.5	4.05	1.41	0.5	2.6518	231.67	7.32	5	3.1	2.6767		0.0047	
Heater Box - Rm 112HB	S-24	3		1	193		10		2.5	4.05	1.41	0.5	2.6518	231.67	7.32	5	3.1	2.6767		0.0047	
Pipe East to West - Rm 105HB	S-25	3		1	228		3		2.5	4.05	1.41	0.5	2.6518	231.67	7.32	5	3.1	2.6767		0.0047	
MSO Vessel - L1-Stairs	S-26	1		1	215		2		3.17	4.33	1.41	0.5	2.6518	244.17	7.21	5	3.1	2.6767		0.0047	
MSO Vessel - L1-Railings	S-27	3		0	177		3		3.17	4.33	1.41	0.5	2.6518	244.17	7.21	5	3.1	2.6767		0.0047	
MSO Vessel - L1-Railings	S-28	4		2	170		11		3.17	4.33	1.41	0.5	2.6518	244.17	7.21	5	3.1	2.6767		0.0047	
MSO Vessel - L1-Panels	S-29	5		1	173		4		3.17	4.33	1.41	0.5	2.6518	244.17	7.21	5	3.1	2.6767		0.0047	
MSO Vessel - L1- I-Beam support Bottom	S-30	2		2	166		5		3.17	4.33	1.41	0.5	2.6518	244.17	7.21	5	3.1	2.6767		0.0047	

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T005 LOT1 - Rooms 105,112,115 FINAL SURVEY DATA

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		GROSS COUNTS IN 5 MINUTES								ALPHA						BETA				GAMMA	
SAMPLE	GRID	ALPHA			BETA			GAMMA		INSTRUMENT		SMEAR			INSTRUMENT			SMEAR			
NAME	NAME	TOTAL	MAX	REM	TOTAL	MAX	REM	TOTAL	BACKG	EFACT	AFACT	BACKG	EFACT	BACKG	EFACT	AFACT	BACKG	EFACT	BACKG	EFACT	
MSO - L1- I-Beam support Head Level	S-31	2		0	171		5		3.17	4.33	1.41	0.5	2.6518	244.17	7.21	5	3.1	2.6767		0.0047	
MSO Vessel - L1- 12' Pipe Insulation	S-32	3		0	234		5		3.17	4.33	1.41	0.5	2.6518	244.17	7.21	5	3.1	2.6767		0.0047	
MSO Vessel - L1- 12' Pipe Insulation	S-33	4		0	234		1		3.17	4.33	1.41	0.5	2.6518	244.17	7.21	5	3.1	2.6767		0.0047	
MSO Vessel - L1- 12' Pipe Insulation	S-34	5		2	235		4		3.17	4.33	1.41	0.5	2.6518	244.17	7.21	5	3.1	2.6767	~	0.0047	
MSO Vessel - L2-Railings/ Stairs	S-35	3		1	149		7		3.17	4.33	1.41	0.5	2.6518	244.17	7.21	5	3.1	2.6767		0.0047	
MSO Vessel - L2- Railing	S-36	3		0	171		5		3.17	4.33	1.41	0.5	2.6518	244.17	7.21	5	3.1	2.6767		0.0047	
MSO Vessel - L2- Stairs	S-37	6		0	204		2		3.17	4.33	1.41	0.5	2.6518	244.17	7.21	5	3.1	2.6767		0.0047	
MSO Vessel - L2- Vessel	S-38	4		0	129		5		3.17	4.33	1.41	0.5	2.6518	244.17	7.21	5	3.1	2.6767		0.0047	
MSO Vessel - L2- Beam	S-39	1		0	184		7		3.17	4.33	1.41	0.5	2.6518	244.17	7.21	5	3.1	2.6767		0.0047	
MSO Vessel - L2- Block	S-40	5		0	163		8		3.17	4.33	1.41	0.5	2.6518	244.17	7.21	5	3.1	2.6767		0.0047	
MSO Vessel - L3- Railings	S-41	4		1	179		9		3.17	4.33	1.41	0.5	2.6518	244.17	7.21	5	3.1	2.6767		0.0047	

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T005 LOT 2 - Rooms 110, 113 & Hallways FINAL SURVEY DATA

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			GROSS COUNTS IN 5 MINUTES						1 MIN.		ALPHA						BETA			GAMMA	
SAMPLE	GRID		ALPHA (1 MIN)			BETA (1 MIN)					INSTRUMENT		SMEAR			INSTRUMENT		SMEAR			
NAME	NAME	TOTAL	MAX	REM	TOTAL	MAX	REM	TOTAL	BACKG	EFACT	AFACT	BACKG	EFACT	BACKG	EFACT	AFACT	BACKG	EFACT	BACKG	EFACT	
Hallways - Floor	6,1	2		0	256		3	1877	1.67	4.45	1.41	0.13	2.74	249.83	7.24	5	3	2.58		0.0047	
Hallways - Floor	8,2	4		0	248		3	1907	1.67	4.45	1.41	0.13	2.74	249.83	7.24	5	3	2.58		0.0047	
Hallways - Floor	12,2	1		1	234		1	1802	1.67	4.45	1.41	0.13	2.74	249.83	7.24	5	3	2.58		0.0047	
Hallways - Floor	11,11	2		0	249		4	1889	1.67	4.45	1.41	0.13	2.74	249.83	7.24	5	3	2.58		0.0047	
Hallways - Floor	12,8	3		0	241		2	1877	1.67	4.45	1.41	0.13	2.74	249.83	7.24	5	3	2.58		0.0047	
Hallways - Floor	11,-3	1		1	225		6	1759	1.67	4.45	1.41	0.13	2.74	249.83	7.24	5	3	2.58		0.0047	
Hallways - Floor	12,-5	2		1	227		2	1720	1.67	4.45	1.41	0.13	2.74	249.83	7.24	5	3	2.58		0.0047	
Hallways - Floor	12,16	3		0	236		2	1989	1.67	4.45	1.41	0.13	2.74	249.83	7.24	5	3	2.58		0.0047	
Hallways - Floor	16,15	2		0	263		3	2127	1.67	4.45	1.41	0.13	2.74	249.83	7.24	5	3	2.58		0.0047	
Hallways - Floor	18,16	4		0	254		0	2111	1.67	4.45	1.41	0.13	2.74	249.83	7.24	5	3	2.58		0.0047	
Hallways - Ceiling	12,-5	1		2	184		6		1.5	4.41	1.41	0.13	2.74	231.5	7.16	5	3	2.58		0.0047	
Hallways - Ceiling	12,5	3		0	218		4		1.5	4.41	1.41	0.13	2.74	231.5	7.16	5	3	2.58		0.0047	
Hallways - Ceiling	12,7	1		0	231		5		1.5	4.41	1.41	0.13	2.74	231.5	7.16	5	3	2.58		0.0047	
Hallways - Ceiling	11,12	3		0	209		4		1.5	4.41	1.41	0.13	2.74	231.5	7.16	5	3	2.58		0.0047	
Hallways - Ceiling	11,16	2		1	188		4		1.5	4.41	1.41	0.13	2.74	231.5	7.16	5	3	2.58		0.0047	
Hallways - Ceiling	16,17	1		0	194		2		1.5	4.41	1.41	0.13	2.74	231.5	7.16	5	3	2.58		0.0047	
Hallways - Ceiling	1,1	2		2	226		3		1.5	4.41	1.41	0.13	2.74	231.5	7.16	5	3	2.58		0.0047	
Hallways - Ceiling	4,1	3		1	234		6		1.5	4.41	1.41	0.13	2.74	231.5	7.16	5	3	2.58		0.0047	
Hallways - Ceiling	7,1	4		0	209		5		1.5	4.41	1.41	0.13	2.74	231.5	7.16	5	3	2.58		0.0047	
Hallways - Ceiling	11,3	2		0	217		4		1.5	4.41	1.41	0.13	2.74	231.5	7.16	5	3	2.58		0.0047	
Hallways - Ceiling	11,-2	2		2	198		4		1.5	4.41	1.41	0.13	2.74	231.5	7.16	5	3	2.58		0.0047	
Hallways - Ceiling	18,5	1		0	188		4		1.5	4.41	1.41	0.13	2.74	231.5	7.16	5	3	2.58		0.0047	
Hallways - Westhall - East Wall	4,1	2		0	191		5		0.67	4.39	1.41	0.13	2.74	238.17	7.04	5	3	2.58		0.0047	
Hallways - Westhall - East Wall	7-8,3	3		0	182		7		0.67	4.39	1.41	0.13	2.74	238.17	7.04	5	3	2.58		0.0047	
Hallways - Westhall - East Wall	12,2	1		1	198		0		0.67	4.39	1.41	0.13	2.74	238.17	7.04	5	3	2.58		0.0047	
Hallways - Westhall - West Wall	8-9,3	4		0	209		1		0.67	4.39	1.41	0.13	2.74	238.17	7.04	5	3	2.58		0.0047	
Hallways - Westhall - West Wall	3,1	2		0	198		4		0.67	4.39	1.41	0.13	2.74	238.17	7.04	5	3	2.58		0.0047	
Hallways - Westhall - West Wall	6,2	1		0	222		3		0.67	4.39	1.41	0.13	2.74	238.17	7.04	5	3	2.58		0.0047	
Hallways - Westhall - West Wall	11,2	2		0	196		2		0.67	4.39	1.41	0.13	2.74	238.17	7.04	5	3	2.58		0.0047	
Hallways - Westhall - West Wall	14,1	1		0	190		0		0.67	4.39	1.41	0.13	2.74	238.17	7.04	5	3	2.58		0.0047	
Hallways - Easthall - South Wall	2,2	1		0	178		6		0.67	4.39	1.41	0.13	2.74	241	7.32	5	3	2.58		0.0047	
Hallways - Easthall - South Wall	4,1	1		0	192		0		0.67	4.39	1.41	0.13	2.74	241	7.32	5	3	2.58		0.0047	
Hallways - Easthall - South Wall	5-6,3	1		0	210		3		0.67	4.39	1.41	0.13	2.74	241	7.32	5	3	2.58		0.0047	
Hallways - Easthall - South Wall	9,1	2		0	193		2		0.67	4.39	1.41	0.13	2.74	241	7.32	5	3	2.58		0.0047	
Hallways - Easthall - North Wall	1,2	1		1	188		2		0.67	4.39	1.41	0.13	2.74	241	7.32	5	3	2.58		0.0047	
Hallways - Easthall - North Wall	5,1	2		0	225		5		0.67	4.39	1.41	0.13	2.74	241	7.32	5	3	2.58		0.0047	
Hallways - Easthall - North Wall	9,2	3		0	215		2		0.67	4.39	1.41	0.13	2.74	241	7.32	5	3	2.58		0.0047	

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T005 LOT 2 - Rooms 110, 113 & Hallways FINAL SURVEY DATA

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			GROSS COUNTS IN 5 MINUTES						1 MIN.		ALPHA					BETA				GAMMA	
SAMPLE	GRID		ALPHA (1 MIN)			BETA (1 MIN)		GAMMA		INSTRUMENT		SMEAR			INSTRUMENT		SMEAR				
NAME	NAME	TOTAL	MAX	REM	TOTAL	MAX	REM	TOTAL	BACKG	EFACT	AFACT	BACKG	EFACT	BACKG	EFACT	AFACT	BACKG	EFACT	BACKG	EFACT	
Hallways - Easthall - North Wall	12,2	2		0	198		3		0.67	4.39	1.41	0.13	2.74	241	7.32	5	3	2.58		0.0047	
Hallways - Northhall - East Wall	3,1	1		0	227		3		0.67	4.39	1.41	0.13	2.74	241	7.32	5	3	2.58		0.0047	
Hallways - Northhall - East Wall	6,2	3		1	217		3		0.67	4.39	1.41	0.13	2.74	241	7.32	5	3	2.58		0.0047	
Hallways - Southhall - South Wall	1,1	2		2	189		2		0.5	4.43	1.41	0.13	2.74	238.17	7.04	5	3	2.58		0.0047	
Hallways - Southhall - South Wall	5,2	1		2	184		2		0.5	4.43	1.41	0.13	2.74	238.17	7.04	5	3	2.58		0.0047	
Hallways - Southhall - South Wall	11,2	1		0	199		3		0.5	4.43	1.41	0.13	2.74	238.17	7.04	5	3	2.58		0.0047	
Hallways - Southhall - North Wall	1,2	1		0	178		0		0.5	4.43	1.41	0.13	2.74	238.17	7.04	5	3	2.58		0.0047	
Hallways - Southhall - North Wall	7,2	1		0	201		2		0.5	4.43	1.41	0.13	2.74	238.17	7.04	5	3	2.58		0.0047	
Hallways - Southhall - North Wall	11,1	3		0	210		4		0.5	4.43	1.41	0.13	2.74	238.17	7.04	5	3	2.58		0.0047	
Rm 110 - Floor	2,2	2		0	251		2	1826	0.5	4.39	1.41	0.13	2.74	238.17	7.09	5	3	2.58		0.0047	
Rm 110 - Floor	1,5-6	1		0	222		3	1630	0.5	4.39	1.41	0.13	2.74	238.17	7.09	5	3	2.58		0.0047	
Rm 110 - Floor	3,4	1		1	230		4	1938	0.5	4.39	1.41	0.13	2.74	238.17	7.09	5	3	2.58		0.0047	
Rm 110 - Floor	5,5	2		0	227		5	1753	0.5	4.39	1.41	0.13	2.74	238.17	7.09	5	3	2.58		0.0047	
Rm 110 - Floor	6,1	2		0	263		8	1768	0.5	4.39	1.41	0.13	2.74	238.17	7.09	5	3	2.58		0.0047	
Rm 110 - Floor	8,3	2		0	226		4	1808	0.5	4.39	1.41	0.13	2.74	238.17	7.09	5	3	2.58		0.0047	
Rm 110 - Floor	10,6	1		0	224		1	1657	0.5	4.39	1.41	0.13	2.74	238.17	7.09	5	3	2.58		0.0047	
Rm 110 - Floor	11,2	1		0	240		5	2158	0.5	4.39	1.41	0.13	2.74	238.17	7.09	5	3	2.58		0.0047	
Rm 110 - Ceiling	3,3	1		0	233		8		2.17	4.42	1.41	0.13	2.74	235.33	7.08	5	3	2.58		0.0047	
Rm 110 - Ceiling	4,6	2		1	195		4		2.17	4.42	1.41	0.13	2.74	235.33	7.08	5	3	2.58		0.0047	
Rm 110 - Ceiling	5,1	4		4	235		9		2.17	4.42	1.41	0.13	2.74	235.33	7.08	5	3	2.58		0.0047	
Rm 110 - Ceiling	7,2	2		1	227		6		2.17	4.42	1.41	0.13	2.74	235.33	7.08	5	3	2.58		0.0047	
Rm 110 - Ceiling	8,4	3		0	220		3		2.17	4.42	1.41	0.13	2.74	235.33	7.08	5	3	2.58		0.0047	
Rm 110 - Ceiling	11,3	1		0	219		4		2.17	4.42	1.41	0.13	2.74	235.33	7.08	5	3	2.58		0.0047	
Rm 110 - West Wall	1,2	2		1	168		1		1	4.35	1.41	0.13	2.74	249.33	7.14	5	3	2.58		0.0047	
Rm 110 - West Wall	3-4,5	2		0	198		3		2.17	4.42	1.41	0.13	2.74	235.33	7.08	5	3	2.58		0.0047	
Rm 110 - West Wall	5,1	1		0	176		6		1	4.35	1.41	0.13	2.74	249.33	7.14	5	3	2.58		0.0047	
Rm 110 - East Wall	1-2,5	4		0	206		2		2.17	4.42	1.41	0.13	2.74	235.33	7.08	5	3	2.58		0.0047	
Rm 110 - East Wall	2,2	2		0	187		3		1	4.35	1.41	0.13	2.74	249.33	7.14	5	3	2.58		0.0047	
Rm 110 - East Wall	4,4	3		0	179		4		1	4.42	1.41	0.13	2.74	250.67	7.08	5	3	2.58		0.0047	
Rm 110 - East Wall	6,1	1		0	211		0		1	4.35	1.41	0.13	2.74	249.33	7.14	5	3	2.58		0.0047	
Rm 110 - South Wall	1,3	3		0	222		2		1	4.35	1.41	0.13	2.74	249.33	7.14	5	3	2.58		0.0047	
Rm 110 - South Wall	3,4	2		1	184		3		1	4.42	1.41	0.13	2.74	250.67	7.08	5	3	2.58		0.0047	
Rm 110 - South Wall	4,1	4		1	189		5		1	4.35	1.41	0.13	2.74	249.33	7.14	5	3	2.58		0.0047	
Rm 110 - South Wall	6,2	2		0	198		9		1	4.35	1.41	0.13	2.74	249.33	7.14	5	3	2.58		0.0047	
Rm 110 - South Wall	7-8,5	1		0	195		4		2.17	4.42	1.41	0.13	2.74	235.33	7.08	5	3	2.58		0.0047	
Rm 110 - South Wall	9,3	3		0	180		6		1	4.35	1.41	0.13	2.74	249.33	7.14	5	3	2.58		0.0047	
Rm 110 - North Wall	2,3	2		0	217		4		1	4.35	1.41	0.13	2.74	249.33	7.14	5	3	2.58		0.0047	

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T005 LOT 2 - Rooms 110, 113 & Hallways FINAL SURVEY DATA

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SAMPLE	GRID	GROSS COUNTS IN 5 MINUTES							1 MIN.	GAMMA	ALPHA				SMEAR	BETA				SMEAR	GAMMA		
		ALPHA (1 MIN)			BETA (1 MIN)			INSTRUMENT				INSTRUMENT				SMEAR		GAMMA					
		NAME	TOTAL	MAX	REM	TOTAL	MAX	REM			TOTAL	BACKG	EFACT	AFACT		BACKG	EFACT	BACKG	EFACT		AFACT	BACKG	EFACT
Rm 110 - North Wall	4-3,5	3		0	187			2		2.17	4.42	1.41	0.13	2.74	235.33	7.08	5	3	2.58		0.0047		
Rm 110 - North Wall	5,4	1		0	190			2		1	4.42	1.41	0.13	2.74	250.67	7.08	5	3	2.58		0.0047		
Rm 110 - North Wall	6,1	2		0	220			4		1	4.35	1.41	0.13	2.74	249.33	7.14	5	3	2.58		0.0047		
Rm 110 - North Wall	9,2	1		0	202			2		1	4.35	1.41	0.13	2.74	249.33	7.14	5	3	2.58		0.0047		
Rm 110 - North Wall	11,3	1		0	197			1		1	4.35	1.41	0.13	2.74	249.33	7.14	5	3	2.58		0.0047		
Rm 110 - Lg Console-top	S-1	2		0	178			5		1	4.35	1.41	0.13	2.74	250.67	7.08	5	3	2.58		0.0047		
Rm 110 - Lg Console-top	S-2	1		0	185			3		1	4.35	1.41	0.13	2.74	250.67	7.08	5	3	2.58		0.0047		
Rm 110 - Lg Console-southside	S-3	2		0	172			3		1	4.35	1.41	0.13	2.74	250.67	7.08	5	3	2.58		0.0047		
Rm 110 - Lg Console-front	S-4	3		0	180			2		1	4.35	1.41	0.13	2.74	250.67	7.08	5	3	2.58		0.0047		
Rm 110 - Sm Console-top	S-5	2		1	163			6		1	4.35	1.41	0.13	2.74	250.67	7.08	5	3	2.58		0.0047		
Rm 110 - Sm Console-front	S-6	1		1	160			8		1	4.35	1.41	0.13	2.74	250.67	7.08	5	3	2.58		0.0047		
Rm 110 - Sm Console-top	S-7	1		0	192			3		1	4.35	1.41	0.13	2.74	250.67	7.08	5	3	2.58		0.0047		
Rm 110 - Cable Tray-top	S-8	1		0	201			4		1	4.35	1.41	0.13	2.74	250.67	7.08	5	3	2.58		0.0047		
Rm 113 - Floor	1,2	2		1	248			7	1736	1.17	4.33	1.41	0.13	2.74	249.67	7.25	5	3	2.58		0.0047		
Rm 113 - Floor	2,3	1		0	233			4	1739	1.17	4.33	1.41	0.13	2.74	249.67	7.25	5	3	2.58		0.0047		
Rm 113 - Floor	4,5	3		0	228			6	1819	1.17	4.33	1.41	0.13	2.74	249.67	7.25	5	3	2.58		0.0047		
Rm 113 - Floor	6,1	1		0	243			2	1881	1.17	4.33	1.41	0.13	2.74	249.67	7.25	5	3	2.58		0.0047		
Rm 113 - Floor	7,4	1		0	258			5	1871	1.17	4.33	1.41	0.13	2.74	249.67	7.25	5	3	2.58		0.0047		
Rm 113 - Floor	10,3	1		1	251			5	1751	1.17	4.33	1.41	0.13	2.74	249.67	7.25	5	3	2.58		0.0047		
Rm 113 - Ceiling	2,3	1		0	224			3		1.33	4.41	1.41	0.13	2.74	249.67	7.25	5	3	2.58		0.0047		
Rm 113 - Ceiling	5,5	2		0	223			2		1.33	4.41	1.41	0.13	2.74	249.67	7.25	5	3	2.58		0.0047		
Rm 113 - Ceiling	4,2	1		0	229			3		1.33	4.41	1.41	0.13	2.74	249.67	7.25	5	3	2.58		0.0047		
Rm 113 - Ceiling	6,1	2		1	240			5		1.33	4.41	1.41	0.13	2.74	249.67	7.25	5	3	2.58		0.0047		
Rm 113 - Ceiling	9,4	2		1	239			4		1.33	4.41	1.41	0.13	2.74	249.67	7.25	5	3	2.58		0.0047		
Rm 113 - Ceiling	11,4-5	3		0	215			3		1.33	4.41	1.41	0.13	2.74	249.67	7.25	5	3	2.58		0.0047		
Rm 113 - North Wall	2,2	2		0	182			1		1.17	4.33	1.41	0.13	2.74	249.67	7.25	5	3	2.58		0.0047		
Rm 113 - North Wall	4,1	4		0	185			3		1.17	4.33	1.41	0.13	2.74	249.67	7.25	5	3	2.58		0.0047		
Rm 113 - North Wall	7,3	3		0	194			3		1.17	4.33	1.41	0.13	2.74	249.67	7.25	5	3	2.58		0.0047		
Rm 113 - North Wall	10,2	2		0	202			3		1.17	4.33	1.41	0.13	2.74	249.67	7.25	5	3	2.58		0.0047		
Rm 113 - South Wall	1,1	1		0	202			6		1.17	4.33	1.41	0.13	2.74	249.67	7.25	5	3	2.58		0.0047		
Rm 113 - South Wall	6,2	1		0	200			1		1.17	4.33	1.41	0.13	2.74	249.67	7.25	5	3	2.58		0.0047		
Rm 113 - South Wall	8,1	2		0	216			4		1.17	4.33	1.41	0.13	2.74	249.67	7.25	5	3	2.58		0.0047		
Rm 113 - West Wall	2,2	1		0	190			8		1.17	4.33	1.41	0.13	2.74	249.67	7.25	5	3	2.58		0.0047		
Rm 113 - West Wall	5,2	1		1	193			5		1.17	4.33	1.41	0.13	2.74	249.67	7.25	5	3	2.58		0.0047		
Rm 113 - East Wall	1,1	3		0	190			5		1.17	4.33	1.41	0.13	2.74	249.67	7.25	5	3	2.58		0.0047		
Rm 113 - East Wall	4,3	2		0	201			1		1.17	4.33	1.41	0.13	2.74	249.67	7.25	5	3	2.58		0.0047		

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T005 Lot 3 - North, Northeast & Bldg. 049 Asphalt Areas FINAL SURVEY DATA

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					GROSS COUNTS IN 5 MINUTES						ALPHA					BETA				GAMMA
SAMPLE	GRID		ALPHA			BETA		GAMMA		INSTRUMENT		SMEAR		INSTRUMENT	SMEAR					
NAME	NAME	TOTAL	MAX	REM	TOTAL	MAX	REM	TOTAL	BACKG	EFACT	AFACT	BACKG	EFACT	BACKG	EFACT	AFACT	BACKG	EFACT	BACKG	EFACT
			NOT TAKEN																	
North - Ground	1,6				441			2717			1.41			350.83	6.98	5				0.005
North - Ground	2,3				428			2808			1.41			350.83	6.98	5				0.005
North - Ground	3,5				378			2852			1.41			350.83	6.98	5				0.005
North - Ground	4,2				418			2888			1.41			350.83	6.98	5				0.005
North - Ground	5,1				410			2850			1.41			350.83	6.98	5				0.005
North - Ground	6,7				421			2740			1.41			350.83	6.98	5				0.005
North - Ground	7,5				379			2622			1.41			350.83	6.98	5				0.005
North - Ground	9,8				424			2543			1.41			350.83	6.98	5				0.005
North - Ground	12,7				367			2521			1.41			350.83	6.98	5				0.005
North - Ground	14,3				438			2635			1.41			350.83	6.98	5				0.005
North - Ground	16,6				445			2685			1.41			350.83	6.98	5				0.005
North - Ground	18,2				415			2527			1.41			350.83	6.98	5				0.005
North - Ground	20,3				423			2636			1.41			350.83	6.98	5				0.005
North - Ground	22,5				451			2525			1.41			350.83	6.98	5				0.005
North - Ground	24,8				439			2600			1.41			350.83	6.98	5				0.005
North - Ground	26,9				417			2517			1.41			350.83	6.98	5				0.005
North - Ground	28,7				409			2791			1.41			350.83	6.98	5				0.005
North - Ground	30,2				464			2682			1.41			350.83	6.98	5				0.005
North - Ground	32,7				424			2886			1.41			350.83	6.98	5				0.005
North - Ground	34,2				422			2626			1.41			350.83	6.98	5				0.005
North - Ground	36,4				459			2858			1.41			350.83	6.98	5				0.005
North - Ground	38,2				428			2714			1.41			350.83	6.98	5				0.005
North - Ground	40,2				436			2616			1.41			350.83	6.98	5				0.005
North - Ground	42,3				441			2848			1.41			350.83	6.98	5				0.005
North - Ground	44,6				486			2949			1.41			350.83	6.98	5				0.005
North - Ground	46,1				469			2620			1.41			350.83	6.98	5				0.005
North - Ground	48,4				472			3011			1.41			350.83	6.98	5				0.005
North - Ground	50,5				441			3105			1.41			350.83	6.98	5				0.005
North - Ground	52,3				433			2904			1.41			350.83	6.98	5				0.005
North - Ground	54,2				449			2743			1.41			350.83	6.98	5				0.005
North - Ground	10,4				421			2417			1.41			359.33	7.44	5				0.005
North - Ground	11,2				419			2312			1.41			359.33	7.44	5				0.005
North - Ground	13,9				424			2223			1.41			359.33	7.44	5				0.005
North - Ground	15,1				441			2400			1.41			359.33	7.44	5				0.005
North - Ground	17,8				417			2592			1.41			359.33	7.44	5				0.005
North - Ground	19,5				407			2447			1.41			359.33	7.44	5				0.005
North - Ground	21,2				410			2555			1.41			359.33	7.44	5				0.005

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T005 Lot 3 - North, Northeast & Bldg. 049 Asphalt Areas FINAL SURVEY DATA

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					GROSS COUNTS IN 5 MINUTES					ALPHA					BETA				GAMMA	
SAMPLE	GRID		ALPHA			BETA			INSTRUMENT		SMEAR			INSTRUMENT		SMEAR				
NAME	NAME	TOTAL	MAX	REM	TOTAL	MAX	REM	TOTAL	BACKG	EFACT	AFACT	BACKG	EFACT	BACKG	EFACT	AFACT	BACKG	EFACT	BACKG	EFACT
			NOT TAKEN																	
North - Ground	23,3				412			2517			1.41			359.33	7.44	5				0.005
North - Ground	25,4				420			2434			1.41			359.33	7.44	5				0.005
North - Ground	27,5				450			2470			1.41			359.33	7.44	5				0.005
North - Ground	29,3				427			2516			1.41			345.83	7.55	5				0.005
North - Ground	31,9				448			2558			1.41			345.83	7.55	5				0.005
North - Ground	33,4				409			2726			1.41			345.83	7.55	5				0.005
North - Ground	35,5				396			2873			1.41			345.83	7.55	5				0.005
North - Ground	39,6				429			2788			1.41			345.83	7.55	5				0.005
North - Ground	41,9				415			2657			1.41			345.83	7.55	5				0.005
North - Ground	43,6				409			2748			1.41			345.83	7.55	5				0.005
North - Ground	45,3				431			2684			1.41			345.83	7.55	5				0.005
North - Ground	47,6				421			2949			1.41			345.83	7.55	5				0.005
North - Ground	49,2				445			2779			1.41			345.83	7.55	5				0.005
North - Ground	53,9				419			2975			1.41			345.83	7.55	5				0.005
Northeast - Ground	1,13				462			2874			1.41			347	7.03	5				0.005
Northeast - Ground	2,17				449			3013			1.41			347	7.03	5				0.005
Northeast - Ground	3,5				419			2858			1.41			347	7.03	5				0.005
Northeast - Ground	3,14				432			2938			1.41			347	7.03	5				0.005
Northeast - Ground	4,16				440			3050			1.41			347	7.03	5				0.005
Northeast - Ground	5,3				441			2893			1.41			347	7.03	5				0.005
Northeast - Ground	6,14				432			3072			1.41			347	7.03	5				0.005
Northeast - Ground	7,9				390			2934			1.41			347	7.03	5				0.005
Northeast - Ground	8,11				445			3139			1.41			347	7.03	5				0.005
Northeast - Ground	9,12				424			3221			1.41			347	7.03	5				0.005
Northeast - Ground	11,9				398			2998			1.41			347	7.03	5				0.005
Northeast - Ground	13,2				423			2804			1.41			347	7.03	5				0.005
Northeast - Ground	16,6				397			2972			1.41			347	7.03	5				0.005
Northeast - Ground	19,3				407			2970			1.41			347	7.03	5				0.005
Northeast - Ground	22,2				470			2929			1.41			347	7.03	5				0.005
Northeast - Ground	1,3				389			2784			1.41			349	7.7	5				0.005
Northeast - Ground	2,6				397			2828			1.41			349	7.7	5				0.005
Northeast - Ground	4,9				409			2829			1.41			349	7.7	5				0.005
Northeast - Ground	5,10				420			2927			1.41			349	7.7	5				0.005
Northeast - Ground	6,2				490			2782			1.41			349	7.7	5				0.005
Northeast - Ground	8,4				421			2790			1.41			349	7.7	5				0.005
Northeast - Ground	9,6				401			2948			1.41			349	7.7	5				0.005
Northeast - Ground	10,13				378			3011			1.41			349	7.7	5				0.005

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T005 Lot 3 - North, Northeast & Bldg. 049 Asphalt Areas FINAL SURVEY DATA

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					GROSS COUNTS IN 5 MINUTES					ALPHA						BETA				GAMMA
SAMPLE	GRID		ALPHA			BETA		GAMMA		INSTRUMENT		SMEAR			INSTRUMENT		SMEAR			
NAME	NAME	TOTAL	MAX	REM	TOTAL	MAX	REM	TOTAL	BACKG	EFACT	AFACT	BACKG	EFACT	BACKG	EFACT	AFACT	BACKG	EFACT	BACKG	EFACT
			NOT TAKEN																	
Northeast - Ground	12,10				399			2911			1.41			349	7.7	5				0.005
Northeast - Ground	14,8				390			3084			1.41			349	7.7	5				0.005
Northeast - Ground	15,5				440			2868			1.41			349	7.7	5				0.005
Northeast - Ground	17,3				389			2892			1.41			349	7.7	5				0.005
Northeast - Ground	18,5				433			3030			1.41			349	7.7	5				0.005
Northeast - Ground	21,1				417			2908			1.41			349	7.7	5				0.005
East 005 Area - Ground	2,1				385			2399			1.41			347	7.03	5				0.005
East 005 Area - Ground	4,13				470			2600			1.41			347	7.03	5				0.005
East 005 Area - Ground	6,17				417			2776			1.41			347	7.03	5				0.005
East 005 Area - Ground	7,1				384			2783			1.41			347	7.03	5				0.005
East 005 Area - Ground	7,28				377			2694			1.41			347	7.03	5				0.005
East 005 Area - Ground	9,15				410			2907			1.41			347	7.03	5				0.005
East 005 Area - Ground	11,8				398			2774			1.41			347	7.03	5				0.005
East 005 Area - Ground	11,23				403			2826			1.41			347	7.03	5				0.005
East 005 Area - Ground	8,4				446			2843			1.41			349	7.7	5				0.005
East 005 Area - Ground	11,3				420			2821			1.41			349	7.7	5				0.005
East 005 Area - Ground	9,10				415			2752			1.41			349	7.7	5				0.005
East 005 Area - Ground	7,7				423			2587			1.41			349	7.7	5				0.005
East 005 Area - Ground	6,13				432			2665			1.41			349	7.7	5				0.005
East 005 Area - Ground	3,2				434			2564			1.41			349	7.7	5				0.005
East 005 Area - Ground	8,11				429			2787			1.41			349	7.7	5				0.005
East 005 Area - Ground	11,10				438			2818			1.41			349	7.7	5				0.005
East 005 Area - Ground	10,18				398			2743			1.41			349	7.7	5				0.005
East 005 Area - Ground	9,22				386			2838			1.41			349	7.7	5				0.005
East 005 Area - Ground	10,26				410			2629			1.41			349	7.7	5				0.005
East 005 Area - Ground	6,22				479			2652			1.41			349	7.7	5				0.005
East 005 Area - Ground	3,8				477			2469			1.41			349	7.7	5				0.005
East 049 Area - Ground	3,5				412			2968			1.41			347	7.03	5				0.005
East 049 Area - Ground	7,3				429			2788			1.41			347	7.03	5				0.005
East 049 Area - Ground	11,8				447			2975			1.41			347	7.03	5				0.005
East 049 Area - Ground	13,5				432			2946			1.41			347	7.03	5				0.005
East 049 Area - Ground	18,2				463			3019			1.41			347	7.03	5				0.005
East 049 Area - Ground	22,3				430			3119			1.41			347	7.03	5				0.005
East 049 Area - Ground	2,2				420			2848			1.41			345.83	7.55	5				0.005
East 049 Area - Ground	6,4				438			2875			1.41			345.83	7.55	5				0.005
East 049 Area - Ground	5,7				443			2866			1.41			345.83	7.55	5				0.005
East 049 Area - Ground	8,6				429			2795			1.41			345.83	7.55	5				0.005

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T005 Lot 3 - North, Northeast & Bldg. 049 Asphalt Areas FINAL SURVEY DATA

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					GROSS COUNTS IN 5 MINUTES						ALPHA				BETA					GAMMA	
SAMPLE	GRID		ALPHA			BETA		GAMMA		INSTRUMENT		SMEAR		INSTRUMENT		SMEAR					
NAME	NAME	TOTAL	MAX	REM	TOTAL	MAX	REM	TOTAL	BACKG	EFACT	AFACT	BACKG	EFACT	BACKG	EFACT	AFACT	BACKG	EFACT	BACKG	EFACT	
			NOT TAKEN																		
East 049 Area - Ground	10,4				406			2746			1.41			345.83	7.55	5				0.005	
East 049 Area - Ground	12,6				415			2898			1.41			345.83	7.55	5				0.005	
East 049 Area - Ground	15,2				438			2802			1.41			345.83	7.55	5				0.005	
East 049 Area - Ground	16,6				426			2774			1.41			345.83	7.55	5				0.005	
East 049 Area - Ground	17,4				422			2899			1.41			345.83	7.55	5				0.005	
East 049 Area - Ground	20,5				376			3073			1.41			345.83	7.55	5				0.005	
East 049 Area - Ground	25,2				427			3039			1.41			345.83	7.55	5				0.005	

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T005 LOT 4 - Attic Area FINAL SURVEY DATA

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				GROSS COUNTS IN 5 MINUTES						ALPHA						BETA					GAMMA		
SAMPLE	GRID		ALPHA			BETA		GAMMA		INSTRUMENT			SMEAR			INSTRUMENT			SMEAR				
NAME	NAME	TOTAL	MAX	REM	TOTAL	MAX	REM	TOTAL	BACKG	EFACT	AFACT	BACKG	EFACT	BACKG	EFACT	AFACT	BACKG	EFACT	BACKG	EFACT	BACKG	EFACT	
Attic - Floor	1,2	4		0	220		4	1486	0.75	4.08	1.41	0.23	2.7	238	7.49	5	2.2	2.56				0.0047	
Attic - Floor	2,1	6		0	230		8	1456	0.75	4.08	1.41	0.23	2.7	238	7.49	5	2.2	2.56				0.0047	
Attic - Floor	1,5	4		0	223		3	1511	0.75	4.08	1.41	0.23	2.7	238	7.49	5	2.2	2.56				0.0047	
Attic - Floor	2,8	1		0	215		5	1451	0.75	4.08	1.41	0.23	2.7	238	7.49	5	2.2	2.56				0.0047	
Attic - Floor	3,6	5		0	227		3	1550	0.75	4.08	1.41	0.23	2.7	238	7.49	5	2.2	2.56				0.0047	
Attic - Floor	3,1	4		0	242		7	1490	1.25	4.11	1.41	0.23	2.7	233.5	7.57	5	2.2	2.56				0.0047	
Attic - Floor	4,2	2		0	223		1	1463	1.25	4.11	1.41	0.23	2.7	233.5	7.57	5	2.2	2.56				0.0047	
Attic - Floor	5,3	4		0	229		5	1491	1.25	4.11	1.41	0.23	2.7	233.5	7.57	5	2.2	2.56				0.0047	
Attic - Floor	6,1	5		0	203		6	1358	1.25	4.11	1.41	0.23	2.7	233.5	7.57	5	2.2	2.56				0.0047	
Attic - Floor	5,6	1		1	237		4	1504	1.25	4.11	1.41	0.23	2.7	233.5	7.57	5	2.2	2.56				0.0047	
Attic - Floor	4,8	39	148	1	287	425	7	1454	2	4	1.41	0.23	2.7	232.5	7.46	5	2.2	2.56				0.0047	
Attic - Floor	5,9	7		1	243		10	1396	2	4	1.41	0.23	2.7	232.5	7.46	5	2.2	2.56				0.0047	
Attic - Floor	7,2	11		1	232		12	1505	2	4	1.41	0.23	2.7	232.5	7.46	5	2.2	2.56				0.0047	
Attic - Floor	8,2	9		0	240		3	1489	2	3.98	1.41	0.23	2.7	241.75	7.41	5	2.2	2.56				0.0047	
Attic - Floor	9,1	17	201	2	299	4735	7	1464	2	3.98	1.41	0.23	2.7	241.75	7.41	5	2.2	2.56				0.0047	
Attic - Floor	10,3	4		0	237		4	1574	2	3.98	1.41	0.23	2.7	241.75	7.41	5	2.2	2.56				0.0047	
Attic - Floor	9,6	5		0	256		2	1513	2	3.98	1.41	0.23	2.7	241.75	7.41	5	2.2	2.56				0.0047	
Attic - Floor	7,6	2		1	211		3	1568	2	3.98	1.41	0.23	2.7	241.75	7.41	5	2.2	2.56				0.0047	
Attic - Floor	8,7	6		1	207		3	1514	1	4.02	1.41	0.23	2.7	221.33	7.56	5	2.2	2.56				0.0047	
Attic - Floor	4,3	1		0	215		3	1569	1.17	3.96	1.41	0.23	2.7	234	7.72	5	2.2	2.56				0.0047	
Attic - Floor	8,1	15	881	0	797	6393	8	1488	1.17	3.96	1.41	0.23	2.7	234	7.72	5	2.2	2.56				0.0047	
Attic - Floor	11,5	2		0	236		6	1425	2	3.98	1.41	0.23	2.7	241.75	7.41	5	2.2	2.56				0.0047	
Attic - Floor	11,7	4		0	232		0	1522	1	4.02	1.41	0.23	2.7	221.33	7.56	5	2.2	2.56				0.0047	
Attic - Floor	12,6	2		0	220		6	1555	1	4.02	1.41	0.23	2.7	221.33	7.56	5	2.2	2.56				0.0047	
Attic - Floor	12,2	4		2	218		1	1526	1.17	4	1.41	0.23	2.7	240.5	7.47	5	2.2	2.56				0.0047	
Attic - Floor	13,1	2		0	224		3	1540	1.17	4	1.41	0.23	2.7	240.5	7.47	5	2.2	2.56				0.0047	
Attic - Floor	14,3	4		0	260		5	1497	1.17	4	1.41	0.23	2.7	240.5	7.47	5	2.2	2.56				0.0047	
Attic - Floor	14,6	3		1	240		5	1510	1.17	4	1.41	0.23	2.7	240.5	7.47	5	2.2	2.56				0.0047	
Attic - Floor	15,5-6	4		0	228		2	1495	1.17	4	1.41	0.23	2.7	240.5	7.47	5	2.2	2.56				0.0047	
Attic - Floor	14,10	1		0	188		2	1490	1.17	4	1.41	0.23	2.7	240.5	7.47	5	2.2	2.56				0.0047	
Attic - East Wall	2,2	3		2	189		6		1.5	4.05	1.41	0.23	2.7	233.25	7.29	5	2.2	2.56				0.0047	
Attic - East Wall	4,2	3		0	201		5		1.5	4.05	1.41	0.23	2.7	233.25	7.29	5	2.2	2.56				0.0047	
Attic - East Wall	8,1	6		1	186		6		1.5	4.05	1.41	0.23	2.7	233.25	7.29	5	2.2	2.56				0.0047	
Attic - East Wall	11,2	3		0	194		2		1.5	4.05	1.41	0.23	2.7	233.25	7.29	5	2.2	2.56				0.0047	
Attic - East Wall	14,1	4		0	174		3		1.5	4.05	1.41	0.23	2.7	233.25	7.29	5	2.2	2.56				0.0047	
Attic - South Wall	4,2	3		0	191		4		2.33	3.8	1.41	0.23	2.7	235.83	7.45	5	2.2	2.56				0.0047	
Attic - South Wall	8,2	4		0	218		4		2.33	3.8	1.41	0.23	2.7	235.83	7.45	5	2.2	2.56				0.0047	

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T005 LOT 4 - Attic Area FINAL SURVEY DATA

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					GROSS COUNTS IN 5 MINUTES					ALPHA					BETA					GAMMA	
SAMPLE	GRID		ALPHA			BETA		GAMMA		INSTRUMENT		SMEAR			INSTRUMENT		SMEAR				
NAME	NAME	TOTAL	MAX	REM	TOTAL	MAX	REM	TOTAL	BACKG	EFACT	AFACT	BACKG	EFACT	BACKG	EFACT	AFACT	BACKG	EFACT	BACKG	EFACT	
Attic - North Wall	1,9	2		0	179		2		2.33	3.8	1.41	0.23	2.7	235.83	7.45	5	2.2	2.56		0.0047	
Attic - North Wall	1,6	1		0	174		3		2.33	3.8	1.41	0.23	2.7	235.83	7.45	5	2.2	2.56		0.0047	
Attic - North Wall	2,2	3		0	192		2		2.33	3.8	1.41	0.23	2.7	235.83	7.45	5	2.2	2.56		0.0047	
A/C Duct, N, 115(A) Hallway	S-1	2		1	235		1		2.33	3.8	1.41	0.23	2.7	235.83	7.45	5	2.2	2.56		0.0047	
A/C Duct, N, 115(A) Hallway	S-2	7		0	227		4		2.33	3.8	1.41	0.23	2.7	235.83	7.45	5	2.2	2.56		0.0047	
A/C Duct, N, 115(A) Hallway	S-3	2		1	186		1		2.33	3.8	1.41	0.23	2.7	235.83	7.45	5	2.2	2.56		0.0047	
A/C Duct, W, 115(A) Hallway	S-4	3		0	185		7		2.33	3.8	1.41	0.23	2.7	235.83	7.45	5	2.2	2.56		0.0047	
A/C Duct, W, 115(A)	S-5	2		0	203		3		2.33	3.8	1.41	0.23	2.7	235.83	7.45	5	2.2	2.56		0.0047	
A/C Duct, W, 115(A)	S-6	4		0	214		2		2.33	3.8	1.41	0.23	2.7	235.83	7.45	5	2.2	2.56		0.0047	
Window, W, 115(A)	S-7	6		1	228		6		2.33	3.8	1.41	0.23	2.7	235.83	7.45	5	2.2	2.56		0.0047	
A/C Duct, Center, 115(A)	S-8	7		0	209		6		2.33	3.8	1.41	0.23	2.7	235.83	7.45	5	2.2	2.56		0.0047	
A/C Duct, Center, 115(A)	S-9	4		0	214		5		2.33	3.8	1.41	0.23	2.7	235.83	7.45	5	2.2	2.56		0.0047	
A/C Duct, Center, 115(A)	S-10	6		0	205		2		2.33	3.8	1.41	0.23	2.7	235.83	7.45	5	2.2	2.56		0.0047	
A/C Duct, S, 113(A)	S-11	5		1	235		2		2.33	3.8	1.41	0.23	2.7	235.83	7.45	5	2.2	2.56		0.0047	
A/C Duct, S, 113(A)	S-12	3		1	199		5		2.33	3.8	1.41	0.23	2.7	235.83	7.45	5	2.2	2.56		0.0047	
A/C Duct, W, 113(A)	S-13	10		0	213		2		2.33	3.8	1.41	0.23	2.7	235.83	7.45	5	2.2	2.56		0.0047	
A/C Duct, W, 113(A)	S-14	3		0	190		4		2.33	3.8	1.41	0.23	2.7	235.83	7.45	5	2.2	2.56		0.0047	
Window, W, 113(A)	S-15	4		2	237		3		2.33	3.8	1.41	0.23	2.7	235.83	7.45	5	2.2	2.56		0.0047	
Screen, W, 113(A)	S-16	2		1	219		5		2.33	3.8	1.41	0.23	2.7	235.83	7.45	5	2.2	2.56		0.0047	
Beams, 115(A)	S-17	5		0	209		4		2.33	3.8	1.41	0.23	2.7	235.83	7.45	5	2.2	2.56		0.0047	
Pipes, 115(A)	S-18	3		0	243		3		2.33	3.8	1.41	0.23	2.7	235.83	7.45	5	2.2	2.56		0.0047	

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T005 LOT 5 - North Overhang FINAL SURVEY DATA

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		GROSS COUNTS IN 5 MINUTES							1 MINUTE		ALPHA						BETA				GAMMA	
SAMPLE	GRID	ALPHA			BETA			GAMMA		INSTRUMENT			SMEAR		INSTRUMENT			SMEAR				
NAME	NAME	TOTAL	MAX	REM	TOTAL	MAX	REM	TOTAL	BACKG	EFACT	AFACT	BACKG	EFACT	BACKG	EFACT	AFACT	BACKG	EFACT	BACKG	EFACT		
North Overhang - Floor	2,1	9		0	358			8	1864	30.5	4.84	1.41	0.13	2.75	352	7.5	5	2.5	2.56		0.0047	
North Overhang - Floor	2,4	11		1	414			5	2307	30.5	4.84	1.41	0.13	2.75	352	7.5	5	2.5	2.56		0.0047	
North Overhang - Floor	4,1	12		0	372			7	2104	30.5	4.84	1.41	0.13	2.75	352	7.5	5	2.5	2.56		0.0047	
North Overhang - Floor	5,1	12		0	344			3	2092	30.5	4.84	1.41	0.13	2.75	352	7.5	5	2.5	2.56		0.0047	
North Overhang - Floor	5,5	14		0	344			3	2462	30.5	4.84	1.41	0.13	2.75	352	7.5	5	2.5	2.56		0.0047	
North Overhang - Floor	7,1	9		0	320			5	1774	30.5	4.84	1.41	0.13	2.75	352	7.5	5	2.5	2.56		0.0047	
North Overhang - Floor	8,6	27		1	341			5	2445	30.5	4.84	1.41	0.13	2.75	352	7.5	5	2.5	2.56		0.0047	
North Overhang - Floor	11,5	11		0	349			4	2213	30.5	4.84	1.41	0.13	2.75	352	7.5	5	2.5	2.56		0.0047	
North Overhang - Floor	12,2	13		0	332			4	2106	30.5	4.84	1.41	0.13	2.75	352	7.5	5	2.5	2.56		0.0047	
North Overhang - Floor	13,3	15		0	355			4	2171	30.5	4.84	1.41	0.13	2.75	352	7.5	5	2.5	2.56		0.0047	
North Overhang - Floor	14,5	7		1	354			7	2179	30.5	4.84	1.41	0.13	2.75	352	7.5	5	2.5	2.56		0.0047	
North Overhang - Floor	5,4-7	30		0	369			8	2596	30.5	4.84	1.41	0.13	2.75	352	7.5	5	2.5	2.56		0.0047	
North Overhang - Floor	1,5	55	126	1	469	486		4	2273	29	4.88	1.41	0.13	2.75	364.25	7.6	5	2.5	2.56		0.0047	
North Overhang - Floor	1,4	142	282	0	462	563		8	2274	29	4.88	1.41	0.13	2.75	364.25	7.6	5	2.5	2.56		0.0047	
North Overhang - Floor	1,3	15		0	331			6	2080	29	4.88	1.41	0.13	2.75	364.25	7.6	5	2.5	2.56		0.0047	
North Overhang - Floor	1,1								1788			1.41	0.13	2.75			5	2.5	2.56		0.0047	
North Overhang - Floor	2,3								2163			1.41	0.13	2.75			5	2.5	2.56		0.0047	
North Overhang - Floor	3,1								1968			1.41	0.13	2.75			5	2.5	2.56		0.0047	
North Overhang - Floor	4,2								2231			1.41	0.13	2.75			5	2.5	2.56		0.0047	
North Overhang - Floor	5,2								2277			1.41	0.13	2.75			5	2.5	2.56		0.0047	
North Overhang - Floor	6,2								2066			1.41	0.13	2.75			5	2.5	2.56		0.0047	
North Overhang - Floor	6,1								2032			1.41	0.13	2.75			5	2.5	2.56		0.0047	
North Overhang - Floor	8,1								1679			1.41	0.13	2.75			5	2.5	2.56		0.0047	
North Overhang - Floor	3,6								2524			1.41	0.13	2.75			5	2.5	2.56		0.0047	
North Overhang - Floor	4,5								2532			1.41	0.13	2.75			5	2.5	2.56		0.0047	
North Overhang - Floor	5,4								2358			1.41	0.13	2.75			5	2.5	2.56		0.0047	
North Overhang - Floor	7,6								2387			1.41	0.13	2.75			5	2.5	2.56		0.0047	
North Overhang - Floor	10,5								2193			1.41	0.13	2.75			5	2.5	2.56		0.0047	
North Overhang - Floor	11,3								2076			1.41	0.13	2.75			5	2.5	2.56		0.0047	
North Overhang - Floor	12,6								2465			1.41	0.13	2.75			5	2.5	2.56		0.0047	
North Overhang - Floor	13,1								1925			1.41	0.13	2.75			5	2.5	2.56		0.0047	
North Overhang - Floor	14,2								1939			1.41	0.13	2.75			5	2.5	2.56		0.0047	
North Overhang - Floor	14,4								2220			1.41	0.13	2.75			5	2.5	2.56		0.0047	
North Overhang - Floor	14,6								2191			1.41	0.13	2.75			5	2.5	2.56		0.0047	
North Overhang - South Wall	1,2	3		1	175			7		29	4.88	1.41	0.13	2.75	356.33	7.18	5	2.5	2.56		0.0047	
North Overhang - South Wall	2,4	9		1	200			5		33.83	4.12	1.41	0.13	2.75	356.33	7.18	5	2.5	2.56		0.0047	
North Overhang - South Wall	3,2	2		0	205			6		29	4.88	1.41	0.13	2.75	356.33	7.18	5	2.5	2.56		0.0047	

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		GROSS COUNTS IN 5 MINUTES							1 MINUTE		ALPHA					BETA				GAMMA				
SAMPLE	GRID		ALPHA			BETA				GAMMA		INSTRUMENT			SMEAR			INSTRUMENT			SMEAR			
NAME	NAME	TOTAL	MAX	REM	TOTAL	MAX	REM	TOTAL	BACKG	EFACT	AFACT	BACKG	EFACT	BACKG	EFACT	AFACT	BACKG	EFACT	BACKG	EFACT	BACKG	EFACT		
North Overhang - South Wall	5,1	1		0	199		4		33.83	4.12	1.41	0.13	2.75	356.33	7.18	5	2.5	2.56				0.0047		
North Overhang - South Wall	7,2	1		0	202		6		33.83	4.12	1.41	0.13	2.75	356.33	7.18	5	2.5	2.56				0.0047		
North Overhang - South Wall	9,3	2		1	191		4		33.83	4.12	1.41	0.13	2.75	356.33	7.18	5	2.5	2.56				0.0047		
North Overhang - South Wall	12,2	3		0	170		3		33.83	4.12	1.41	0.13	2.75	356.33	7.18	5	2.5	2.56				0.0047		
North Overhang - South Wall	14,3	1		0	201		2		33.83	4.12	1.41	0.13	2.75	356.33	7.18	5	2.5	2.56				0.0047		
North Overhang - West Wall	2,2	3		0	149		1		33.83	4.12	1.41	0.13	2.75	356.33	7.18	5	2.5	2.56				0.0047		
North Overhang - West Wall	4,1	2		0	176		4		33.83	4.12	1.41	0.13	2.75	356.33	7.18	5	2.5	2.56				0.0047		
North Overhang - West Wall	6,3	1		0	184		2		33.83	4.12	1.41	0.13	2.75	356.33	7.18	5	2.5	2.56				0.0047		
North Overhang - East Wall	6,3	1		0	179		6		33.83	4.12	1.41	0.13	2.75	356.33	7.18	5	2.5	2.56				0.0047		
North Overhang - East Wall	4,1	4		0	211		6		33.83	4.12	1.41	0.13	2.75	356.33	7.18	5	2.5	2.56				0.0047		
North Overhang - East Wall	2,2	5		0	164		1		33.83	4.12	1.41	0.13	2.75	356.33	7.18	5	2.5	2.56				0.0047		
North Overhang - Ceiling	1,1	3		0	189		2		33.83	4.12	1.41	0.13	2.75	356.33	7.18	5	2.5	2.56				0.0047		
North Overhang - Ceiling	2,4	38	107	1	298	354	7		33.83	4.12	1.41	0.13	2.75	356.33	7.18	5	2.5	2.56				0.0047		
North Overhang - Ceiling	5,1	2		1	302		9		33.83	4.12	1.41	0.13	2.75	356.33	7.18	5	2.5	2.56				0.0047		
North Overhang - Ceiling	5,6	6		0	250		1		39.25	4.99	1.41	0.13	2.75	328	7.54	5	2.5	2.56				0.0047		
North Overhang - Ceiling	1-2,7	1		0	223		5		39.25	4.99	1.41	0.13	2.75	328	7.54	5	2.5	2.56				0.0047		
North Overhang - Ceiling	7,5	1		0	216		5		39.25	4.99	1.41	0.13	2.75	328	7.54	5	2.5	2.56				0.0047		
North Overhang - Ceiling	9,3	4		1	255		6		39.25	4.99	1.41	0.13	2.75	328	7.54	5	2.5	2.56				0.0047		
North Overhang - Ceiling	10,5	1		0	240		3		39.25	4.99	1.41	0.13	2.75	328	7.54	5	2.5	2.56				0.0047		
North Overhang - Ceiling	13,3	3		0	212		1		39.25	4.99	1.41	0.13	2.75	328	7.54	5	2.5	2.56				0.0047		
North Overhang - Ceiling	14,6	2		0	273		2		39.25	4.99	1.41	0.13	2.75	328	7.54	5	2.5	2.56				0.0047		
North Overhang - Ceiling	11,1	3		0	214		3		39.25	4.99	1.41	0.13	2.75	328	7.54	5	2.5	2.56				0.0047		
N.O. - A/C Housing - Top	S-1	9		0	224		4		36.25	4.07	1.41	0.13	2.75	358.25	7.22	5	2.5	2.56				0.0047		
N.O. - A/C Housing - Eastside	S-2	2		0	202		4		36.25	4.07	1.41	0.13	2.75	358.25	7.22	5	2.5	2.56				0.0047		
N.O. - A/C Housing - Northside	S-3	2		0	200		7		36.25	4.07	1.41	0.13	2.75	358.25	7.22	5	2.5	2.56				0.0047		
N.O. - A/C Housing - Southside	S-4	1		0	189		7		36.25	4.07	1.41	0.13	2.75	358.25	7.22	5	2.5	2.56				0.0047		
N.O. - A/C Housing - Westside	S-5	4		0	223		5		36.25	4.07	1.41	0.13	2.75	358.25	7.22	5	2.5	2.56				0.0047		
N.O. - A/C Housing - Top	S-6	5		0	231		5		36.25	4.07	1.41	0.13	2.75	358.25	7.22	5	2.5	2.56				0.0047		
N.O. - A/C Duct	S-7	12		1	249		5		36.25	4.07	1.41	0.13	2.75	358.25	7.22	5	2.5	2.56				0.0047		
N.O. - A/C Duct	S-8	7		0	204		3		36.25	4.07	1.41	0.13	2.75	358.25	7.22	5	2.5	2.56				0.0047		
N.O. - A/C Duct	S-9	6		0	185		4		36.25	4.07	1.41	0.13	2.75	358.25	7.22	5	2.5	2.56				0.0047		
N.O. - A/C Duct	S-10	3		0	204		1		36.25	4.07	1.41	0.13	2.75	358.25	7.22	5	2.5	2.56				0.0047		
N.O. - A/C Duct	S-11	8		0	250		4		36.25	4.07	1.41	0.13	2.75	358.25	7.22	5	2.5	2.56				0.0047		
N.O. - A/C Duct	S-12	5		1	216		4		36.25	4.07	1.41	0.13	2.75	358.25	7.22	5	2.5	2.56				0.0047		
N.O. - Light Fixture (southeast)	S-13	9		0	510	837	5		36.25	4.07	1.41	0.13	2.75	358.25	7.22	5	2.5	2.56				0.0047		
N.O. - Switch Box	S-14	7		1	193		1		36.25	4.07	1.41	0.13	2.75	358.25	7.22	5	2.5	2.56				0.0047		
N.O. - Switch Box	S-15	12		0	217		7		36.25	4.07	1.41	0.13	2.75	358.25	7.22	5	2.5	2.56				0.0047		

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T005 LOT 5 - North Overhang FINAL SURVEY DATA

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SAMPLE	GRID	GROSS COUNTS IN 5 MINUTES						1 MINUTE		ALPHA		BETA		GAMMA	
		ALPHA		BETA		GAMMA		INSTRUMENT		SMEAR		INSTRUMENT		SMEAR	
NAME	NAME	TOTAL	MAX	REM	TOTAL	MAX	REM	TOTAL	BACKG	EFACT	AFACT	BACKG	EFACT	BACKG	EFACT
N.O. - Overhead Conduit (Southeast)	S-16	16		2	299		11		40	4.03	1.41	0.13	2.75	336	7.33
N.O. - Overhead Conduit (Southeast)	S-17	8		1	242		4		40	4.03	1.41	0.13	2.75	336	7.33
N.O. - Overhead I-beams & Supports	S-18	3		2	228		7		40	4.03	1.41	0.13	2.75	336	7.33
N.O. - Overhead I-beams & Supports	S-19	2		3	514	644	14		40	4.03	1.41	0.13	2.75	336	7.33
N.O. - Wireways (South to North)	S-20	5		0	202		3		40	4.03	1.41	0.13	2.75	336	7.33

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T005 LOT 6 - East Concrete Area FINAL SURVEY DATA

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					GROSS COUNTS IN 5 MINUTES						ALPHA						BETA				GAMMA	
SAMPLE	GRID		ALPHA			BETA		GAMMA		INSTRUMENT			SMEAR			INSTRUMENT			SMEAR			
NAME	NAME	TOTAL	MAX	REM	TOTAL	MAX	REM	TOTAL	BACKG	EFACT	AFACT	BACKG	EFACT	BACKG	EFACT	AFACT	BACKG	EFACT	BACKG	EFACT	BACKG	EFACT
Ext. Southside Pad - Floor	1,8	23		1	370		10	2083	40.75	4.54	1.41	0.7	2.6399	352.25	8.4	5	3.2	2.6717			0.0047	
Ext. Southside Pad - Floor	2,2	32		1	327		4	2430	40.75	4.54	1.41	0.7	2.6399	352.25	8.4	5	3.2	2.6717			0.0047	
Ext. Southside Pad - Floor	3,7	60		0	348		5	2155	40.75	4.54	1.41	0.7	2.6399	352.25	8.4	5	3.2	2.6717			0.0047	
Ext. Southside Pad - Floor	4,6	40		1	390		3	2330	40.75	4.54	1.41	0.7	2.6399	352.25	8.4	5	3.2	2.6717			0.0047	
Ext. Southside Pad - Floor	5,7	31		1	371		5	2198	40.75	4.54	1.41	0.7	2.6399	352.25	8.4	5	3.2	2.6717			0.0047	
Ext. Southside Pad - Floor	6,5	37		1	374		8	2339	40.75	4.54	1.41	0.7	2.6399	352.25	8.4	5	3.2	2.6717			0.0047	
Ext. Southside Pad - Floor	7,3	38		0	394		6	2407	40.75	4.54	1.41	0.7	2.6399	352.25	8.4	5	3.2	2.6717			0.0047	
Ext. Southside Pad - Floor	8,1	64		1	418		6	2554	40.75	4.54	1.41	0.7	2.6399	352.25	8.4	5	3.2	2.6717			0.0047	
Ext. Southside Pad - Floor	9,8	47		0	365		11	1911	36	4.05	1.41	0.7	2.6399	365.25	7.35	5	3.2	2.6717			0.0047	
Ext. Southside Pad - Floor	9,11	38		0	384		4	1743	36	4.05	1.41	0.7	2.6399	365.25	7.35	5	3.2	2.6717			0.0047	
Ext. Southside Pad - Floor	10,2	40		0	357		6	2562	36	4.05	1.41	0.7	2.6399	365.25	7.35	5	3.2	2.6717			0.0047	
Ext. Southside Pad - Floor	11,4	44		3	371		5	2288	36	4.05	1.41	0.7	2.6399	365.25	7.35	5	3.2	2.6717			0.0047	
Ext. Southside Pad - Floor	12,5	44		0	401		5	2106	36	4.05	1.41	0.7	2.6399	365.25	7.35	5	3.2	2.6717			0.0047	
Ext. Southside Pad - Floor	13,1	43		1	407		9	2364	36	4.05	1.41	0.7	2.6399	365.25	7.35	5	3.2	2.6717			0.0047	
Ext. Southside Pad - Floor	14,5	23		0	358		6	1813	36	4.05	1.41	0.7	2.6399	365.25	7.35	5	3.2	2.6717			0.0047	
Ext. Southside Pad - Floor	14,10	53		2	413		8	1946	36	4.05	1.41	0.7	2.6399	365.25	7.35	5	3.2	2.6717			0.0047	
Ext. Southside Pad - Floor	15,10	50		2	324		6	1747	36	4.05	1.41	0.7	2.6399	365.25	7.35	5	3.2	2.6717			0.0047	
Ext. Southside Pad - Floor	16,6	17		2	356		5	1622	36	4.05	1.41	0.7	2.6399	365.25	7.35	5	3.2	2.6717			0.0047	
Ext. Southside Pad - Floor	17,1	23		1	403		6	2126	36	4.05	1.41	0.7	2.6399	365.25	7.35	5	3.2	2.6717			0.0047	
Ext. Southside Pad - Floor	18-19,12	34		1	380		8	1873	36	4.05	1.41	0.7	2.6399	365.25	7.35	5	3.2	2.6717			0.0047	
Ext. Southside Pad - Floor	18,5	29		2	379		3	1908	36	4.05	1.41	0.7	2.6399	365.25	7.35	5	3.2	2.6717			0.0047	
Ext. Southside Pad - Floor	19,6	40		0	398		5	1943	36	4.05	1.41	0.7	2.6399	365.25	7.35	5	3.2	2.6717			0.0047	
Southeast Slab 6-1 - Floor	2,2	14		0	381		9	2084	34	4.35	1.41	0.7	2.6399	351.67	7.35	5	3.2	2.6717			0.0047	
Southeast Slab 6-1 - Floor	3,4	17		0	333		7	2036	34	4.35	1.41	0.7	2.6399	351.67	7.35	5	3.2	2.6717			0.0047	
Southeast Slab 6-1 - Floor	5,3	9		0	347		10	2116	34	4.35	1.41	0.7	2.6399	351.67	7.35	5	3.2	2.6717			0.0047	
Southeast Slab 6-1 - Floor	8,1	16		0	421		5	2183	34	4.35	1.41	0.7	2.6399	351.67	7.35	5	3.2	2.6717			0.0047	
Southeast Slab 6-1 - Floor	8,4	10		0	357		2	2072	34	4.35	1.41	0.7	2.6399	351.67	7.35	5	3.2	2.6717			0.0047	
Southeast Slab 6-2 - Floor	1,3	39		0	385		7	1976	34.83	3.74	1.41	0.7	2.6399	359.67	7.52	5	3.2	2.6717			0.0047	
Southeast Slab 6-2 - Floor	2,2	34		1	394		7	2116	34.83	3.74	1.41	0.7	2.6399	359.67	7.52	5	3.2	2.6717			0.0047	
Southeast Slab 6-2 - Floor	2,3	31		2	418		1	2053	34.83	3.74	1.41	0.7	2.6399	359.67	7.52	5	3.2	2.6717			0.0047	
Southeast Slab 6-2 - Floor	2,4	28		2	377		9	1998	34.83	3.74	1.41	0.7	2.6399	359.67	7.52	5	3.2	2.6717			0.0047	
Southeast Slab 6-2 - Floor	3,3	24		0	433		3	1985	34.83	3.74	1.41	0.7	2.6399	359.67	7.52	5	3.2	2.6717			0.0047	
Southeast Slab 6-2 - Floor	3,4	29		1	390		3	1971	34.83	3.74	1.41	0.7	2.6399	359.67	7.52	5	3.2	2.6717			0.0047	
Southeast Slab 6-2 - Floor	4,1	39		0	367		5	2079	34.83	3.74	1.41	0.7	2.6399	359.67	7.52	5	3.2	2.6717			0.0047	
Southeast Slab 6-2 - Floor	4,3	28		2	404		7	2076	34.83	3.74	1.41	0.7	2.6399	359.67	7.52	5	3.2	2.6717			0.0047	
Southeast Slab 6-2 - Floor	4,5	48		0	389		6	1822	34.83	3.74	1.41	0.7	2.6399	359.67	7.52	5	3.2	2.6717			0.0047	
Southeast Slab 6-2 - Floor	6,4	29		0	398		1	1964	34.83	3.74	1.41	0.7	2.6399	359.67	7.52	5	3.2	2.6717			0.0047	

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T005 LOT 6 - East Concrete Area FINAL SURVEY DATA

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SAMPLE NAME	GRID NAME	GROSS COUNTS IN 5 MINUTES							ALPHA			BETA			GAMMA		
		TOTAL	MAX	REM	TOTAL	MAX	REM	TOTAL	BACKG	EFACT	AFACT	BACKG	EFACT	AFACT	BACKG	EFACT	AFACT
Southeast Slab 6-3 - Floor	1,2	29		1	423		5	1839	38.33	3.61	1.41	0.7	2.6399	358.83	7.4	5	3.2
Southeast Slab 6-3 - Floor	2,3	28		0	353		6	1872	38.33	3.61	1.41	0.7	2.6399	358.83	7.4	5	3.2
Southeast Slab 6-3 - Floor	2,5	15		0	387		2	1924	38.33	3.61	1.41	0.7	2.6399	358.83	7.4	5	3.2
Southeast Slab 6-3 - Floor	2,7	14		0	398		3	1871	38.33	3.61	1.41	2	2.71	358.83	7.4	5	3
Southeast Slab 6-3 - Floor	3,4	27		0	392		6	1910	38.33	3.61	1.41	2	2.71	358.83	7.4	5	3
Southeast Slab 6-3 - Floor	3,6	27		1	357		5	2050	38.33	3.61	1.41	2	2.71	358.83	7.4	5	3
Southeast Slab 6-3 - Floor	4,5	26		0	491		2	2014	44.17	3.64	1.41	2	2.71	358.83	7.4	5	3
Southeast Slab 6-3 - Floor	4,7	17		0	401		2	1973	44.17	3.64	1.41	2	2.71	358.83	7.4	5	3
Southeast Slab 6-3 - Floor	5,4	33		0	408		7	1958	44.17	3.64	1.41	2	2.71	358.83	7.4	5	3
Southeast Slab 6-3 - Floor	5,6	19		1	455		5	1917	44.17	3.64	1.41	2	2.71	358.83	7.4	5	3
Southeast Slab 6-3 - Floor	6,3	16		1	402		5	1892	44.17	3.64	1.41	2	2.71	358.83	7.4	5	3
Southeast Slab 6-3 - Floor	6,4	13		0	391		5	1985	44.17	3.64	1.41	2	2.71	358.83	7.4	5	3
Southeast Slab 6-3 - Floor	6,5	12		1	373		2	1973	44.17	3.64	1.41	2	2.71	358.83	7.4	5	3
Southeast Slab 6-3 - Floor	6,6	11		0	389		4	1849	44.17	3.64	1.41	0.7	2.6399	358.83	7.4	5	3.2
Southeast Slab 6-3 - Floor	7,4	36		0	398		8	2019	44.17	3.64	1.41	0.7	2.6399	358.83	7.4	5	3.2
Southeast Slab 6-3 - Floor	7,6	34		0	397		5	1849	44.17	3.64	1.41	0.7	2.6399	358.83	7.4	5	3.2
Southeast Slab 6-3 - Floor	8,5	23		0	405		5	2044	44.17	3.64	1.41	0.7	2.6399	358.83	7.4	5	3.2
Southeast Slab 6-4 - Floor	9,6	22		0	357		10	2169	44.17	3.64	1.41	0.6	2.6867	355.17	6.97	5	2.7
Southeast Slab 6-5 - Floor	12,6	17		2	353		5	2056	44.17	3.64	1.41	0.6	2.6867	355.17	6.97	5	2.7
Southeast Slab 6-6 - Floor	13,1	13		3	345		5	2380	44.17	3.64	1.41	0.6	2.6867	355.17	6.97	5	2.7
Southeast Slab 6-7 - Floor	1,1	14		1	339		7	1834	41.33	3.57	1.41	0.7	2.6399	343.5	7.19	5	3.2
Southeast Slab 6-7 - Floor	2,1	10		1	385		11	1941	41.33	3.57	1.41	0.7	2.6399	343.5	7.19	5	3.2
Southeast Slab 6-7 - Floor	5,1	12		1	334		6	2033	41.33	3.57	1.41	0.7	2.6399	343.5	7.19	5	3.2
Southeast Slab 6-7 - Floor	9,1	17		2	355		9	1911	41.33	3.57	1.41	0.7	2.6399	343.5	7.19	5	3.2
Southeast Slab 6-7 - Floor	10,1	33		1	345		5	1875	41.33	3.57	1.41	0.7	2.6399	343.5	7.19	5	3.2
Southeast Slab 6-7 - Floor	12,1	34		0	368		6	2018	41.33	3.57	1.41	0.7	2.6399	343.5	7.19	5	3.2
Southeast Slab 6-7 - Floor	4,2	16		3	359		19	1952	41.33	3.57	1.41	0.7	2.6399	343.5	7.19	5	3.2
Southeast Slab 6-7 - Floor	3,3	14		2	352		5	1993	41.33	3.57	1.41	0.7	2.6399	343.5	7.19	5	3.2
Southeast Slab 6-7 - Floor	6,3	14		2	394		12	1968	36.67	3.58	1.41	0.7	2.6399	343.5	7.19	5	3.2
Southeast Slab 6-7 - Floor	10,3	21		1	329		7	1769	36.67	3.58	1.41	0.7	2.6399	343.5	7.19	5	3.2
Southeast Slab 6-7 - Floor	2,4	9		1	346		9	1815	36.67	3.58	1.41	0.7	2.6399	343.5	7.19	5	3.2
Southeast Slab 6-7 - Floor	8,5	14		2	345		6	1791	36.67	3.58	1.41	0.6	2.6867	343.5	7.19	5	2.7
Southeast Slab 6-7 - Floor	11,5	28		0	361		8	2021	36.67	3.58	1.41	0.6	2.6867	343.5	7.19	5	2.7
Southeast Slab 6-7 - Floor	2,6	10		1	346		1	1927	36.67	3.58	1.41	0.7	2.6399	342.5	7.34	5	3.2
Southeast Slab 6-7 - Floor	7,6	28		2	340		11	1795	36.67	3.58	1.41	0.7	2.6399	342.5	7.34	5	3.2
Southeast Slab 6-7 - Floor	5,7	13		0	331		6	1962	36.67	3.58	1.41	0.7	2.6399	342.5	7.34	5	3.2
Southeast Slab 6-7 - Floor	4,9	14		1	358		4	2174	36.67	3.58	1.41	0.7	2.6399	342.5	7.34	5	3.2

					GROSS COUNTS IN 5 MINUTES						ALPHA							BETA					GAMMA		
SAMPLE	GRID		ALPHA			BETA			GAMMA		INSTRUMENT			SMEAR				INSTRUMENT			SMEAR				
NAME	NAME	TOTAL	MAX	REM	TOTAL	MAX	REM	TOTAL	BACKG	EFACT	AFACT	BACKG	EFACT	BACKG	EFACT	AFACT	BACKG	EFACT	AFACT	BACKG	EFACT	BACKG	EFACT		
Southeast Slab 6-7 - Floor	1,10	16		1	386		8	1446	36.67	3.58	1.41	0.7	2.6399	342.5	7.34	5	3.2	2.6717						0.0047	
Southeast Slab 6-7 - Floor	5,10	12		0	379		20	2073	36.67	3.58	1.41	0.7	2.6399	342.5	7.34	5	3.2	2.6717						0.0047	
Southeast Slab 6-7 - Floor	3,11	25		0	333		4	1958	36.67	3.58	1.41	0.7	2.6399	342.5	7.34	5	3.2	2.6717						0.0047	
Southeast Slab 6-7 - Floor	11,10	33		3	360		2	1985	44.17	3.64	1.41	0.6	2.6867	355.17	6.97	5	2.7	2.6681						0.0047	
Southeast Slab 6-7 - Floor	12,13	27		1	355		7	2254	44.17	3.64	1.41	0.6	2.6867	355.17	6.97	5	2.7	2.6681						0.0047	
Wood/Unistrut For MCC's	S-1	2		0	207		11		31.17	4.12	1.41	0.7	2.6399	359.83	7.35	5	3.2	2.6717						0.0047	
MCC for 'ESSICK' Compressor	S-2	10		2	188		8		31.17	4.12	1.41	0.7	2.6399	359.83	7.35	5	3.2	2.6717						0.0047	
MCC for Main pump (F9,10)	S-3	10		1	186		9		31.17	4.12	1.41	0.7	2.6399	359.83	7.35	5	3.2	2.6717						0.0047	
Cooling Water piping	S-4	7		0	224		5		31.17	4.12	1.41	0.7	2.6399	359.83	7.35	5	3.2	2.6717						0.0047	
Cooling Water piping	S-5	9		0	216		8		31.17	4.12	1.41	0.7	2.6399	359.83	7.35	5	3.2	2.6717						0.0047	
Blower to Lg. Plenum (Wall)	S-6	12		1	196		6		38.33	3.59	1.41	0.6	2.6867	344.83	7.26	5	2.7	2.6681						0.0047	
Blower to Lg. Plenum (Wall)	S-7	17		0	202		6		38.33	3.59	1.41	0.6	2.6867	344.83	7.26	5	2.7	2.6681						0.0047	
Blower to Lg. Plenum (Fan)	S-8	15		3	208		16		38.33	3.59	1.41	0.6	2.6867	344.83	7.26	5	2.7	2.6681						0.0047	
Blower to Lg. Plenum (Top)	S-9	20		0	225		8		38.33	3.59	1.41	0.6	2.6867	344.83	7.26	5	2.7	2.6681						0.0047	
Stack Bottom	S-10	9		0	210		2		38.33	3.59	1.41	0.6	2.6867	344.83	7.26	5	2.7	2.6681						0.0047	
Stack Bottom	S-11	8		0	203		11		38.33	3.59	1.41	0.6	2.6867	344.83	7.26	5	2.7	2.6681						0.0047	
MCC for Pulverizer	S-12	13		1	208		14		38.33	3.59	1.41	0.6	2.6867	344.83	7.26	5	2.7	2.6681						0.0047	
Pulverizer	S-13	15		1	214		5		38.33	3.59	1.41	0.6	2.6867	344.83	7.26	5	2.7	2.6681						0.0047	
Crusher Beams	S-14	14		2	220		4		38.33	3.59	1.41	0.6	2.6867	344.83	7.26	5	2.7	2.6681						0.0047	
Crusher Base	S-15	20		0	209		6		38.33	3.59	1.41	0.6	2.6867	344.83	7.26	5	2.7	2.6681						0.0047	
Angle Iron Support - Center	S-16	13		0	210		11		38.33	3.59	1.41	0.6	2.6867	361.67	7.08	5	2.7	2.6681						0.0047	
Angle Iron Support - Horiz. & Vert	S-17	9		0	191		3		38.33	3.59	1.41	0.6	2.6867	361.67	7.08	5	2.7	2.6681						0.0047	
Piping - Overhead Area	S-18	10		0	201		6		38.33	3.59	1.41	0.6	2.6867	361.67	7.08	5	2.7	2.6681						0.0047	
Piping - In-between Tank	S-19	12		0	191		8		38.33	3.59	1.41	0.6	2.6867	361.67	7.08	5	2.7	2.6681						0.0047	
Unistrut - East	S-20	16		3	203		4		38.33	3.59	1.41	0.6	2.6867	361.67	7.08	5	2.7	2.6681						0.0047	
Unistrut - 8' off Ground	S-21	8		0	234		3		38.33	3.59	1.41	0.6	2.6867	361.67	7.08	5	2.7	2.6681						0.0047	
East Building Wall	2,2	10		1	249		4		34.83	3.74	1.41	0.6	2.6867	344.83	7.26	5	2.7	2.6681						0.0047	
East Building Wall	5,1	12		1	214		4		34.83	3.74	1.41	0.6	2.6867	344.83	7.26	5	2.7	2.6681						0.0047	
East Building Wall	8,2	7		0	252		4		34.83	3.74	1.41	0.6	2.6867	344.83	7.26	5	2.7	2.6681						0.0047	

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T005 LOT 7 - Bldg. 049 & Receiving Pad FINAL SURVEY DATA

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					GROSS COUNTS IN 5 MINUTES					ALPHA						BETA			GAMMA	
SAMPLE	GRID		ALPHA			BETA				INSTRUMENT		SMEAR			INSTRUMENT		SMEAR			
NAME	NAME	TOTAL	MAX	REM	TOTAL	MAX	REM	TOTAL	BACKG	EFACT	AFACT	BACKG	EFACT	BACKG	EFACT	AFACT	BACKG	EFACT	BACKG	EFACT
Receiving Slab - Ground	1,3	24		1	331		9	2779	34.67	4.63	1.41	0.23	2.75	363.5	7.13	5	3.2	2.57		0.0047
Receiving Slab - Ground	2,7	21		1	382		4	2691	34.67	4.63	1.41	0.23	2.75	363.5	7.13	5	3.2	2.57		0.0047
Receiving Slab - Ground	3,1	23		0	362		2	2813	34.67	4.63	1.41	0.23	2.75	363.5	7.13	5	3.2	2.57		0.0047
Receiving Slab - Ground	4,2	16		1	364		2	2721	34.67	4.63	1.41	0.23	2.75	363.5	7.13	5	3.2	2.57		0.0047
Receiving Slab - Ground	5,4	25		0	348		4	2724	34.67	4.63	1.41	0.23	2.75	363.5	7.13	5	3.2	2.57		0.0047
Receiving Slab - Ground	6,5	19		0	386		5	2707	34.67	4.63	1.41	0.23	2.75	363.5	7.13	5	3.2	2.57		0.0047
Receiving Slab - Ground	7,6	22		0	392		8	2705	34.67	4.63	1.41	0.23	2.75	363.5	7.13	5	3.2	2.57		0.0047
Receiving Slab - Ground	8,4	26		0	362		8	2762	34.67	4.63	1.41	0.23	2.75	363.5	7.13	5	3.2	2.57		0.0047
Receiving Slab - Ground	9,2	32		0	354		6	2655	34.67	4.63	1.41	0.23	2.75	363.5	7.13	5	3.2	2.57		0.0047
Receiving Slab - Ground	10,1	25		0	394		7	2823	34.67	4.63	1.41	0.23	2.75	363.5	7.13	5	3.2	2.57		0.0047
Receiving Slab - Ground	11,2	31		0	400		2	2812	34.67	4.63	1.41	0.23	2.75	363.5	7.13	5	3.2	2.57		0.0047
Receiving Slab - Ground	12,3	24		0	404		4	2748	34.67	4.63	1.41	0.23	2.75	363.5	7.13	5	3.2	2.57		0.0047
Receiving Slab - Ground	1,16	11		0	378		4	2671	34.67	4.63	1.41	0.23	2.75	354.33	7.17	5	3.2	2.57		0.0047
Receiving Slab - Ground	2,14	17		0	369		5	2507	34.67	4.63	1.41	0.23	2.75	354.33	7.17	5	3.2	2.57		0.0047
Receiving Slab - Ground	3,10	16		0	377		3	2621	34.67	4.63	1.41	0.23	2.75	354.33	7.17	5	3.2	2.57		0.0047
Receiving Slab - Ground	4,17	28		0	382		6	2470	34.67	4.63	1.41	0.23	2.75	354.33	7.17	5	3.2	2.57		0.0047
Receiving Slab - Ground	5,13	24		1	374		5	2645	34.67	4.63	1.41	0.23	2.75	354.33	7.17	5	3.2	2.57		0.0047
Receiving Slab - Ground	6,18	28		0	399		4	2356	34.67	4.63	1.41	0.23	2.75	354.33	7.17	5	3.2	2.57		0.0047
Receiving Slab - Ground	7,16	30		0	395		5	2563	34.67	4.63	1.41	0.23	2.75	354.33	7.17	5	3.2	2.57		0.0047
Receiving Slab - Ground	8,12	27		1	358		4	2698	34.67	4.63	1.41	0.23	2.75	354.33	7.17	5	3.2	2.57		0.0047
Receiving Slab - Ground	9,15	23		0	362		2	2614	34.67	4.63	1.41	0.23	2.75	354.33	7.17	5	3.2	2.57		0.0047
Receiving Slab - Ground	10,11	28		0	364		4	2842	34.67	4.63	1.41	0.23	2.75	354.33	7.17	5	3.2	2.57		0.0047
Receiving Slab - Ground	11,12	25		1	360		6	2798	34.67	4.63	1.41	0.23	2.75	354.33	7.17	5	3.2	2.57		0.0047
Receiving Slab - Ground	12,18	51		0	376		3	2758	34.67	4.63	1.41	0.23	2.75	354.33	7.17	5	3.2	2.57		0.0047
Receiving Slab - Ground	2,19	39		1	378		3	2563	30.5	4.33	1.41	0.23	2.75	354.33	7.17	5	3.2	2.57		0.0047
Receiving Slab - Ground	5,20	34		0	382		4	2393	30.5	4.33	1.41	0.23	2.75	354.33	7.17	5	3.2	2.57		0.0047
Receiving Slab - Ground	9,21	41		0	389		3	2477	34.67	4.63	1.41	0.23	2.75	354.33	7.17	5	3.2	2.57		0.0047
Receiving Slab - Ground	10,19	35		1	412		6	2688	34.67	4.63	1.41	0.23	2.75	354.33	7.17	5	3.2	2.57		0.0047
Receiving Slab - Ground	13,15	32		0	463		5	2679	34.67	4.63	1.41	0.23	2.75	354.33	7.17	5	3.2	2.57		0.0047
Receiving Slab - Ground	14,20	38		0	404		5	2607	34.67	4.63	1.41	0.23	2.75	354.33	7.17	5	3.2	2.57		0.0047
Receiving Slab - Ground	16,17	40		0	361		2	2306	30.5	4.33	1.41	0.23	2.75	354.33	7.17	5	3.2	2.57		0.0047
Receiving Slab - Ground	17,20	23		0	365		5	2372	30.5	4.33	1.41	0.23	2.75	354.33	7.17	5	3.2	2.57		0.0047
Receiving Slab - Ground	15,13	20		1	379		2	2555	30.5	4.33	1.41	0.23	2.75	354.33	7.17	5	3.2	2.57		0.0047
B049 Outside - South Wall	2,3	16		0	345		2		30.5	4.33	1.41	0.23	2.75	354.83	7.22	5	3.2	2.57		0.0047
B049 Outside - South Wall	4-5,4	19		1	330		3		30.5	4.33	1.41	0.23	2.75	354.83	7.22	5	3.2	2.57		0.0047
B049 Outside - South Wall	6,2	17		1	300		1		30.5	4.33	1.41	0.23	2.75	354.83	7.22	5	3.2	2.57		0.0047
B049 Outside - East Wall	9,1	5		0	342		5		30.5	4.33	1.41	0.23	2.75	354.83	7.22	5	3.2	2.57		0.0047

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					GROSS COUNTS IN 5 MINUTES					ALPHA					BETA			GAMMA		
SAMPLE	GRID		ALPHA		BETA		GAMMA		INSTRUMENT		SMEAR			INSTRUMENT		SMEAR				
NAME	NAME	TOTAL	MAX	REM	TOTAL	MAX	REM	TOTAL	BACKG	EFACT	AFACT	BACKG	EFACT	BACKG	EFACT	AFACT	BACKG	EFACT	BACKG	EFACT
B\049 Outside - East Wall	11,2	7		0	322		4		30.5	4.33	1.41	0.23	2.75	354.83	7.22	5	3.2	2.57		0.0047
B\049 Outside - East Wall	14,2	12		1	327		4		30.5	4.33	1.41	0.23	2.75	354.83	7.22	5	3.2	2.57		0.0047
B\049 Outside - East Wall	17,3	14		0	341		2		30.5	4.33	1.41	0.23	2.75	354.83	7.22	5	3.2	2.57		0.0047
B\049 Outside - North Wall	1,3	11		0	295		2		30.5	4.33	1.41	0.23	2.75	354.83	7.22	5	3.2	2.57		0.0047
B\049 Outside - North Wall	4,2	3		0	228		4		30.5	4.33	1.41	0.23	2.75	354.83	7.22	5	3.2	2.57		0.0047
B\049 Outside - North Wall	6-7,4	16		0	305		5		30.5	4.33	1.41	0.23	2.75	354.83	7.22	5	3.2	2.57		0.0047
B\049 Outside - West Wall	8,1	12		0	310		8		30.5	4.33	1.41	0.23	2.75	354.83	7.22	5	3.2	2.57		0.0047
B\049 Outside - West Wall	11,2	9		0	332		6		30.5	4.33	1.41	0.23	2.75	354.83	7.22	5	3.2	2.57		0.0047
B\049 Outside - West Wall	14,1	15		2	323		1		30.5	4.33	1.41	0.23	2.75	354.83	7.22	5	3.2	2.57		0.0047
B\049 Outside - West Wall	18,2	17		0	319		2		30.5	4.33	1.41	0.23	2.75	354.83	7.22	5	3.2	2.57		0.0047
B\793 Outside - West Wall	1,1	4		1	217		4		30.5	4.33	1.41	0.23	2.75	356.5	7.3	5	3.2	2.57		0.0047
B\793 Outside - West Wall	4,2	7		3	226		5		30.5	4.33	1.41	0.23	2.75	356.5	7.3	5	3.2	2.57		0.0047
B\793 Outside - East Wall	2,3	8		0	238		3		30.5	4.33	1.41	0.23	2.75	356.5	7.3	5	3.2	2.57		0.0047
B\793 Outside - East Wall	4,1	4		0	233		6		30.5	4.33	1.41	0.23	2.75	356.5	7.3	5	3.2	2.57		0.0047
B\793 Outside - North Wall	1,2	10		1	202		5		30.5	4.33	1.41	0.23	2.75	356.5	7.3	5	3.2	2.57		0.0047
B\793 Outside - South Wall	2,2	5		1	185		5		30.5	4.33	1.41	0.23	2.75	356.5	7.3	5	3.2	2.57		0.0047
B\049 Inside - Floor	1,2	5		0	342		4	2580	33.67	4.44	1.41	0.23	2.75	356.33	7.03	5	3.2	2.57		0.0047
B\049 Inside - Floor	4,1	6		0	370		4	2660	33.67	4.44	1.41	0.23	2.75	356.33	7.03	5	3.2	2.57		0.0047
B\049 Inside - Floor	5,4	6		0	353		2	2235	33.67	4.44	1.41	0.23	2.75	356.33	7.03	5	3.2	2.57		0.0047
B\049 Inside - Floor	2,5	6		0	349		3	2317	33.67	4.44	1.41	0.23	2.75	356.33	7.03	5	3.2	2.57		0.0047
B\049 Inside - Floor	4,7	4		0	365		5	2256	33.67	4.44	1.41	0.23	2.75	356.33	7.03	5	3.2	2.57		0.0047
B\049 Inside - Floor	1,8	7		0	336		3	2365	33.67	4.44	1.41	0.23	2.75	356.33	7.03	5	3.2	2.57		0.0047
B\049 Inside - Floor	3,11	1		0	359		2	2432	33.67	4.44	1.41	0.23	2.75	356.33	7.03	5	3.2	2.57		0.0047
B\049 Inside - Floor	6,11	2		0	335		2	2428	33.67	4.44	1.41	0.23	2.75	356.33	7.03	5	3.2	2.57		0.0047
B\049 Inside - Divider Wall	3,2	1		0	286		1		1.67	4.38	1.41	0.23	2.75	244.17	7.15	5	3.2	2.57		0.0047
B\049 Inside - Divider Wall	5,3	1		0	290		4		1.67	4.38	1.41	0.23	2.75	244.17	7.15	5	3.2	2.57		0.0047
B\049 Inside - West Wall	2,2	1		0	273		0		1.67	4.38	1.41	0.23	2.75	356.33	7.03	5	3.2	2.57		0.0047
B\049 Inside - West Wall	4,2	1		0	259		5		1.67	4.38	1.41	0.23	2.75	356.33	7.03	5	3.2	2.57		0.0047
B\049 Inside - West Wall	7,1	1		1	264		1		1.67	4.38	1.41	0.23	2.75	356.33	7.03	5	3.2	2.57		0.0047
B\049 Inside - West Wall	11,3	1		0	306		0		1.67	4.38	1.41	0.23	2.75	356.33	7.03	5	3.2	2.57		0.0047
B\049 Inside - North Wall	14,2	3		0	267		4		1.67	4.38	1.41	0.23	2.75	356.33	7.03	5	3.2	2.57		0.0047
B\049 Inside - North Wall	17,1	2		0	272		3		1.67	4.38	1.41	0.23	2.75	356.33	7.03	5	3.2	2.57		0.0047
B\049 Inside - East Wall	2,1	3		1	295		4		1.67	4.38	1.41	0.23	2.75	244.17	7.15	5	3.2	2.57		0.0047
B\049 Inside - East Wall	5,2	4		0	297		2		1.67	4.38	1.41	0.23	2.75	244.17	7.15	5	3.2	2.57		0.0047
B\049 Inside - East Wall	7,2	2		0	302		4		1.67	4.38	1.41	0.23	2.75	244.17	7.15	5	3.2	2.57		0.0047
B\049 Inside - East Wall	11,1	1		0	292		2		1.67	4.38	1.41	0.23	2.75	244.17	7.15	5	3.2	2.57		0.0047
B\049 Inside - South Wall	15,3	2		0	285		6		1.67	4.38	1.41	0.23	2.75	244.17	7.15	5	3.2	2.57		0.0047

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					GROSS COUNTS IN 5 MINUTES					ALPHA						BETA					GAMMA	
SAMPLE	GRID		ALPHA			BETA		GAMMA		INSTRUMENT			SMEAR			INSTRUMENT			SMEAR			
NAME	NAME	TOTAL	MAX	REM	TOTAL	MAX	REM	TOTAL	BACKG	EFACT	AFACT	BACKG	EFACT	BACKG	EFACT	AFACT	BACKG	EFACT	BACKG	EFACT		
BV049 Inside - South Wall	17,2	1		0	300		3		1.67	4.38	1.41	0.23	2.75	244.17	7.15	5	3.2	2.57				0.0047
Light Fixture - Top	S-1	4		0	269		1		33.67	4.44	1.41	0.23	2.75	349.67	7.57	5	3.2	2.57				0.0047
Air Vent (Duct) - Top	S-2	3		0	252		3		33.67	4.44	1.41	0.23	2.75	349.67	7.57	5	3.2	2.57				0.0047
Air Vent (Grill)	S-3	5		0	272		5		33.67	4.44	1.41	0.23	2.75	349.67	7.57	5	3.2	2.57				0.0047
Air Duct - Bottom	S-4	1		0	247		1		33.67	4.44	1.41	0.23	2.75	349.67	7.57	5	3.2	2.57				0.0047

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					GROSS COUNTS IN 5 MINUTES						ALPHA					BETA			GAMMA	
SAMPLE	GRID		ALPHA			BETA		GAMMA		INSTRUMENT		SMEAR			INSTRUMENT		SMEAR			
NAME	NAME	TOTAL	MAX	REM	TOTAL	MAX	REM	TOTAL	BACKG	EFACT	AFACT	BACKG	EFACT	BACKG	EFACT	AFACT	BACKG	EFACT	BACKG	EFACT
East End (Lower Level) - Roof	1,1				409			2608			1.41			350	7.06	5				0.00465
East End (Lower Level) - Roof	1,11				427			2638			1.41			350	7.06	5				0.00465
East End (Lower Level) - Roof	1,25				481			2709			1.41			350	7.06	5				0.00465
East End (Lower Level) - Roof	2,6				430			2467			1.41			350	7.06	5				0.00465
East End (Lower Level) - Roof	2,16				440			2537			1.41			350	7.06	5				0.00465
East End (Lower Level) - Roof	2,28				462			2468			1.41			350	7.06	5				0.00465
East End (Lower Level) - Roof	3,2				450			2346			1.41			350	7.06	5				0.00465
East End (Lower Level) - Roof	3,13				438			2475			1.41			350	7.06	5				0.00465
East End (Lower Level) - Roof	3,23				456			2425			1.41			350	7.06	5				0.00465
East End (Lower Level) - Roof	3,30				450			2393			1.41			350	7.06	5				0.00465
East End (Lower Level) - Roof	4,26				451			2295			1.41			350	7.06	5				0.00465
East End (Lower Level) - Roof	4,17				459			2409			1.41			350	7.06	5				0.00465
East End (Lower Level) - Roof	4,8				430			2427			1.41			350	7.06	5				0.00465
East End (Lower Level) - Roof	5,5				437			2390			1.41			350	7.06	5				0.00465
East End (Lower Level) - Roof	5,13				454			2394			1.41			350	7.06	5				0.00465
East End (Lower Level) - Roof	5,23				422			2246			1.41			350	7.06	5				0.00465
East End (Lower Level) - Roof	6,1				445			2313			1.41			350	7.06	5				0.00465
East End (Lower Level) - Roof	6,28				460			2302			1.41			350	7.06	5				0.00465
East End (Lower Level) - Roof	6,19				413			2334			1.41			350	7.06	5				0.00465
East End (Lower Level) - Roof	6,10				453			2364			1.41			350	7.06	5				0.00465
East End (Lower Level) - Roof	7,3				432			2259			1.41			350	7.06	5				0.00465
East End (Lower Level) - Roof	7,14				447			2190			1.41			350	7.06	5				0.00465
East End (Lower Level) - Roof	7,27				442			2384			1.41			350	7.06	5				0.00465
East End (Lower Level) - Roof	8,3				491			2208			1.41			350	7.06	5				0.00465
East End (Lower Level) - Roof	8,29				475			2307			1.41			350	7.06	5				0.00465
East End (Lower Level) - Roof	8,20				427			2281			1.41			350	7.06	5				0.00465
East End (Lower Level) - Roof	8,9				389			2238			1.41			350	7.06	5				0.00465
East End (Lower Level) - Roof	9,7				426			2192			1.41			350	7.06	5				0.00465
East End (Lower Level) - Roof	9,15				429			2197			1.41			350	7.06	5				0.00465
East End (Lower Level) - Roof	9,25				437			2326			1.41			350	7.06	5				0.00465
East End (Lower Level) - Roof	10,30				474			2079			1.41			350	7.06	5				0.00465
East End (Lower Level) - Roof	10,24				443			2141			1.41			359.17	7.12	5				0.00465
East End (Lower Level) - Roof	10,6				435			2110			1.41			350	7.06	5				0.00465
East End (Lower Level) - Roof	10,16				465			2143			1.41			350	7.06	5				0.00465
East End (Lower Level) - Roof	11,4				408			1920			1.41			350	7.06	5				0.00465
East End (Lower Level) - Roof	11,13				421			1891			1.41			350	7.06	5				0.00465
East End (Lower Level) - Roof	11,22				437			1951			1.41			359.17	7.12	5				0.00465
East End (Lower Level) - Roof	11,28				417			1900			1.41			359.17	7.12	5				0.00465

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					GROSS COUNTS IN 5 MINUTES						ALPHA						BETA				GAMMA
SAMPLE	GRID		ALPHA		BETA			GAMMA		INSTRUMENT			SMEAR		INSTRUMENT			SMEAR			
NAME	NAME	TOTAL	MAX	REM	TOTAL	MAX	REM	TOTAL	BACKG	EFACT	AFACT	BACKG	EFACT	BACKG	EFACT	AFACT	BACKG	EFACT	BACKG	EFACT	
East End (Lower Level) - Roof	12,21-22				454			1738			1.41			359.17	7.12	5				0.00465	
North End - Roof	1,1				427			2466			1.41			359.17	7.12	5				0.00465	
North End - Roof	10,1				445			2403			1.41			359.17	7.12	5				0.00465	
North End - Roof	29,1				418			1738			1.41			367.33	7.21	5				0.00465	
North End - Roof	4,2				443			2311			1.41			359.17	7.12	5				0.00465	
North End - Roof	8,2				395			2402			1.41			359.17	7.12	5				0.00465	
North End - Roof	26,2				358			1921			1.41			367.33	7.21	5				0.00465	
North End - Roof	2,3				408			2290			1.41			359.17	7.12	5				0.00465	
North End - Roof	14,3				490			2413			1.41			359.17	7.12	5				0.00465	
North End - Roof	24,3				396			2241			1.41			367.33	7.21	5				0.00465	
North End - Roof	5,4				424			2321			1.41			359.17	7.12	5				0.00465	
North End - Roof	9,4				516			2576			1.41			359.17	7.12	5				0.00465	
North End - Roof	18,4				449			2585			1.41			367.33	7.21	5				0.00465	
North End - Roof	29,4				469			2024			1.41			367.33	7.21	5				0.00465	
North End - Roof	11,5				459			2577			1.41			359.17	7.12	5				0.00465	
North End - Roof	7,5				423			2513			1.41			359.17	7.12	5				0.00465	
North End - Roof	23,5				460			2413			1.41			367.33	7.21	5				0.00465	
North End - Roof	6,6				473			2260			1.41			359.17	7.12	5				0.00465	
North End - Roof	17,6				474			2556			1.41			367.33	7.21	5				0.00465	
North End - Roof	28,6				478			2301			1.41			367.33	7.21	5				0.00465	
North End - Roof	15,1				464			2322			1.41			359.17	7.12	5				0.00465	
North End - Roof	28-29,7				460			2361			1.41			367.33	7.21	5				0.00465	
North End - Roof	21,1				410			2407			1.41			367.33	7.21	5				0.00465	
Middle Level - Roof	1,5				454			2289			1.41			357.17	7.14	5				0.00465	
Middle Level - Roof	1,14				425			2329			1.41			357.17	7.14	5				0.00465	
Middle Level - Roof	1,30				445			2335			1.41			357.17	7.14	5				0.00465	
Middle Level - Roof	1,23				433			2428			1.41			357.17	7.14	5				0.00465	
Middle Level - Roof	2,27				427			2396			1.41			357.17	7.14	5				0.00465	
Middle Level - Roof	2,16				409			2292			1.41			357.17	7.14	5				0.00465	
Middle Level - Roof	2,7				431			2258			1.41			357.17	7.14	5				0.00465	
Middle Level - Roof	3,2				471			2339			1.41			357.17	7.14	5				0.00465	
Middle Level - Roof	3,11				455			2177			1.41			357.17	7.14	5				0.00465	
Middle Level - Roof	3,21				441			2332			1.41			357.17	7.14	5				0.00465	
Middle Level - Roof	4,29				433			2477			1.41			357.17	7.14	5				0.00465	
Middle Level - Roof	4,19				429			2331			1.41			357.17	7.14	5				0.00465	
Middle Level - Roof	4,10				406			2348			1.41			357.17	7.14	5				0.00465	
Middle Level - Roof	4,1				432			2300			1.41			357.17	7.14	5				0.00465	
Middle Level - Roof	5,25				434			2308			1.41			354	7.25	5				0.00465	

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					GROSS COUNTS IN 5 MINUTES							ALPHA					BETA					GAMMA	
SAMPLE	GRID		ALPHA			BETA			GAMMA		INSTRUMENT		SMEAR			INSTRUMENT			SMEAR				
NAME	NAME	TOTAL	MAX	REM	TOTAL	MAX	REM	TOTAL	BACKG	EFACT	AFACT	BACKG	EFACT	BACKG	EFACT	AFACT	BACKG	EFACT	BACKG	EFACT	BACKG	EFACT	
Middle Level - Roof	5,4				417			2242			1.41			354	7.25	5						0.00465	
Middle Level - Roof	5,18				425			2190			1.41			354	7.25	5						0.00465	
Middle Level - Roof	6,24				428			2328			1.41			354	7.25	5						0.00465	
Middle Level - Roof	6,12				423			2288			1.41			354	7.25	5						0.00465	
Middle Level - Roof	6,3				401			2339			1.41			354	7.25	5						0.00465	
Middle Level - Roof	7,8				408			2273			1.41			354	7.25	5						0.00465	
Middle Level - Roof	7,20				443			2430			1.41			354	7.25	5						0.00465	
Middle Level - Roof	7,29				420			2440			1.41			354	7.25	5						0.00465	
Middle Level - Roof	8,22				410			2362			1.41			354	7.25	5						0.00465	
Middle Level - Roof	8,13				405			2242			1.41			354	7.25	5						0.00465	
Middle Level - Roof	8,2				455			2349			1.41			354	7.25	5						0.00465	
Middle Level - Roof	9,6				412			2230			1.41			354	7.25	5						0.00465	
Middle Level - Roof	9,17				437			2314			1.41			356.17	7.2	5						0.00465	
Middle Level - Roof	9,26				429			2335			1.41			356.17	7.2	5						0.00465	
Middle Level - Roof	10,30				445			2271			1.41			356.17	7.2	5						0.00465	
Middle Level - Roof	10,21				432			2301			1.41			356.17	7.2	5						0.00465	
Middle Level - Roof	10,11				409			2140			1.41			356.17	7.2	5						0.00465	
Middle Level - Roof	10,2				439			2225			1.41			356.17	7.2	5						0.00465	
Middle Level - Roof	11,4				437			2038			1.41			356.17	7.2	5						0.00465	
Middle Level - Roof	11,14				480			2020			1.41			356.17	7.2	5						0.00465	
Middle Level - Roof	11,27				441			2229			1.41			356.17	7.2	5						0.00465	
Middle Level - Roof	12,1				456			1885			1.41			356.17	7.2	5						0.00465	
Middle Level - Roof	12,10				417			1990			1.41			356.17	7.2	5						0.00465	
Middle Level - Roof	12,21				429			1980			1.41			356.17	7.2	5						0.00465	
Upper Level - Roof	1,30				409			2542			1.41			365.67	7.13	5						0.00465	
Upper Level - Roof	1,21				468			2476			1.41			365.67	7.13	5						0.00465	
Upper Level - Roof	1,17				490			2505			1.41			365.67	7.13	5						0.00465	
Upper Level - Roof	1,1				447			2470			1.41			365.67	7.13	5						0.00465	
Upper Level - Roof	2,4				452			2517			1.41			365.67	7.13	5						0.00465	
Upper Level - Roof	2,18				486			2533			1.41			365.67	7.13	5						0.00465	
Upper Level - Roof	2,27				466			2611			1.41			365.67	7.13	5						0.00465	
Upper Level - Roof	3,25				420			2557			1.41			366.33	7.12	5						0.00465	
Upper Level - Roof	3,16				431			2593			1.41			366.33	7.12	5						0.00465	
Upper Level - Roof	3,6				458			2454			1.41			366.33	7.12	5						0.00465	
Upper Level - Roof	4,3				435			2375			1.41			366.33	7.12	5						0.00465	
Upper Level - Roof	4,13				455			2528			1.41			366.33	7.12	5						0.00465	
Upper Level - Roof	4,23				425			2477			1.41			366.33	7.12	5						0.00465	
Upper Level - Roof	4,31				433			2505			1.41			366.33	7.12	5						0.00465	

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					GROSS COUNTS IN 5 MINUTES						ALPHA						BETA					GAMMA
SAMPLE	GRID		ALPHA				BETA			INSTRUMENT			SMEAR			INSTRUMENT			SMEAR			
NAME	NAME	TOTAL	MAX	REM	TOTAL	MAX	REM	TOTAL	BACKG	EFACT	AFACT	BACKG	EFACT	BACKG	EFACT	AFACT	BACKG	EFACT	BACKG	EFACT	BACKG	EFACT
Upper Level - Roof	5,29				452			2620			1.41			366.33	7.12	5						0.00465
Upper Level - Roof	5,19				461			2460			1.41			366.33	7.12	5						0.00465
Upper Level - Roof	5,10				421			2553			1.41			366.33	7.12	5						0.00465
Upper Level - Roof	5,2				489			2490			1.41			366.33	7.12	5						0.00465
Upper Level - Roof	6,5				435			2519			1.41			355.67	7.15	5						0.00465
Upper Level - Roof	6,17				451			2527			1.41			355.67	7.15	5						0.00465
Upper Level - Roof	6,26				459			2494			1.41			355.67	7.15	5						0.00465
Upper Level - Roof	7,1				435			2491			1.41			366.33	7.12	5						0.00465
Upper Level - Roof	7,24				470			2530			1.41			355.67	7.15	5						0.00465
Upper Level - Roof	8,3				419			2344			1.41			366.33	7.12	5						0.00465
Upper Level - Roof	7,15				480			2455			1.41			355.67	7.15	5						0.00465
Upper Level - Roof	8,18				458			2422			1.41			355.67	7.15	5						0.00465
Upper Level - Roof	8,31				424			2572			1.41			355.67	7.15	5						0.00465
Upper Level - Roof	8,12				391			2468			1.41			355.67	7.15	5						0.00465
East Overhang - Roof	2,1				388			1834			1.41			362.33	7.26	5						0.00465
East Overhang - Roof	4,1				378			1903			1.41			362.33	7.26	5						0.00465
East Overhang - Roof	6,1				406			1953			1.41			362.33	7.26	5						0.00465
East Overhang - Roof	8,1				255			2015			1.41			362.33	7.26	5						0.00465
East Overhang - Roof	1,5				434			1711			1.41			362.33	7.26	5						0.00465
East Overhang - Roof	2,7				440			1666			1.41			362.33	7.26	5						0.00465
East Overhang - Roof	2,11				420			1932			1.41			362.33	7.26	5						0.00465
East Overhang - Roof	3,3				368			1893			1.41			362.33	7.26	5						0.00465
East Overhang - Roof	4,8				481			1975			1.41			362.33	7.26	5						0.00465
East Overhang - Roof	5,6				417			1947			1.41			362.33	7.26	5						0.00465
East Overhang - Roof	6,10				463			2289			1.41			362.33	7.26	5						0.00465
East Overhang - Roof	7,2				391			1964			1.41			362.33	7.26	5						0.00465
East Overhang - Roof	9,4				386			2160			1.41			362.33	7.26	5						0.00465
Bldg 117 - Roof	1,3				433			1875			1.41			362.33	7.26	5						0.00465
Bldg 117 - Roof	2,1				435			1955			1.41			362.33	7.26	5						0.00465
South Eaves - Roof	1,1				439			1929			1.41			362.33	7.26	5						0.00465
South Eaves - Roof	7,3				419			2066			1.41			362.33	7.26	5						0.00465
South Eaves - Roof	10,1				444			1645			1.41			362.33	7.26	5						0.00465
South Eaves - Roof	16,1				427			1866			1.41			362.33	7.26	5						0.00465

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APPENDIX B
Building 005 Lots 1 through 8
Final Survey Results

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T005 LOT1 - Rooms 105,112,115 FINAL SURVEY RESULTS

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SAMPLE NAME	GRID NAME	TOTAL	STD DEV	ALPHA (DPM/100CM2)		REM	STD DEV	TOTAL	STD DEV	BETA (DPM/100CM2)		REM	STD DEV	TOTAL	STD DEV	GAMMA (uR/h)	
				MAX	STD DEV					MAX	STD DEV						
Rm 115 - Floor	1,3	3.95	5.10			3.72	4.28	-29	167			1.86	8.09	8.44	0.20		
Rm 115 - Floor	6,3	-1.51	4.00			-1.59	2.06	177	172			1.86	8.09	9.01	0.20		
Rm 115 - Floor	7,4	5.77	5.41			-1.59	2.06	47	169			1.86	8.09	8.50	0.20		
Rm 115 - Floor	3,5	-3.19	3.90			-1.59	2.06	86	170			1.86	8.09	8.41	0.20		
Rm 115 - Floor	5,6	-9.08	4.05			-1.59	2.06	106	161			-3.45	7.17	8.77	0.20		
Rm 115 - Floor	5,7	-5.53	4.54			-1.59	2.06	-97	156			-8.76	6.11	8.81	0.20		
Rm 115 - Floor	2,8	0.00	4.51			3.72	4.28	-118	156			-3.45	7.17	8.48	0.20		
Rm 115 - Floor	N,5	-7.90	4.22			-1.59	2.06	71	160			4.51	8.52	8.35	0.20		
Rm 115 - Floor	4,10	1.59	4.78			-1.59	2.06	-125	156			15.13	10.04	8.24	0.20		
Rm 115 - Ceiling	3,1	8.68	6.12			-1.59	2.06	-229	153			1.86	8.09				
Rm 115 - Ceiling	5,3	12.23	6.45			1.06	3.36	-111	156			-0.80	7.65				
Rm 115 - Ceiling	4,4	18.16	6.97			-1.59	2.06	-27	158			7.17	8.92				
Rm 115 - Ceiling	3,6	-9.08	4.05			1.06	3.36	-299	152			-11.41	5.50				
Rm 115 - Ceiling	7,6	2.76	5.51			1.06	3.36	-97	156			-0.80	7.65				
Rm 115 - Ceiling	6,7	8.68	6.12			1.06	3.36	-306	152			7.17	8.92				
Rm 115 - Ceiling	2,8	8.68	6.12			1.06	3.36	-271	152			-0.80	7.65				
Rm 115 - Ceiling	4,10	24.08	7.46			-1.59	2.06	-153	155			4.51	8.52				
Rm 115 - Ceiling	7,10	34.74	8.26			1.06	3.36	-97	156			-6.10	6.66				
Rm 115 - Wall West	1,3	4.78	5.28			1.06	3.36	-124	151			12.47	9.68				
Rm 115 - Wall West	1,4	9.56	5.96			-1.59	2.06	-81	152			-3.45	7.17				
Rm 115 - Wall West	3,7	20.71	7.30			1.06	3.36	-146	151			-8.76	6.11				
Rm 115 - Wall East	2,7	13.06	6.53			1.06	3.36	-189	150			-3.45	7.17				
Rm 115 - Wall East	2,5	1.58	5.38			-1.59	2.06	-217	149			-0.80	7.65				
Rm 115 - Wall East	2,3	-5.53	4.54			1.06	3.36	-260	148			-8.76	6.11				
Rm 115 - Wall North	2,1	6.31	5.88			1.06	3.36	-389	145			4.51	8.52				
Rm 115 - Wall North	3,4	9.56	5.96			1.33	3.25	-167	150			23.82	10.40				
Rm 115 - Wall North	2,8	-4.35	4.69			-1.59	2.06	-181	154			-0.80	7.65				
Rm 115 - Wall North	1,10	-6.72	4.38			-1.59	2.06	-153	151			-0.80	7.65				
Rm 115 - Wall South	1,10	4.78	5.28			-1.59	2.06	-488	147			1.86	8.09				
Rm 115 - Wall South	2,9	-3.19	3.90			-1.59	2.06	-95	152			-3.45	7.17				
Rm 115 - Wall South	3,5	7.60	5.71			-1.59	2.06	-551	146			-3.45	7.17				
Rm 115 - Wall South	2,3	-1.59	4.22			-1.59	2.06	-418	144			-6.10	6.66				
Rm 105f - Floor(Waxed)	2,1					1.06	3.36	797	167			4.51	8.52	8.31	0.20		
Rm 105f - Floor(Waxed)	7,2					-1.59	2.06	1056	173			4.51	8.52	8.87	0.20		
Rm 105f - Floor(Waxed)	4,3					-1.59	2.06	661	165			-0.80	7.65	9.32	0.21		
Rm 105f - Floor(Waxed)	3,4					1.06	3.36	478	161			-6.10	6.66	9.43	0.21		
Rm 105f - Floor(Waxed)	8,5					1.06	3.36	818	168			-0.80	7.65	8.53	0.20		
Rm 105f - Floor(Waxed)	5,6					-1.59	2.06	729	166			-0.80	7.65	8.01	0.19		
Rm 105f - Floor	9,7	0.91	6.71			3.72	4.28	607	164			-0.80	7.65	8.33	0.20		

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T005 LOT1 - Rooms 105,112,115 FINAL SURVEY RESULTS

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SAMPLE	GRID			ALPHA						BETA					GAMMA	
				(DPM/100CM2)		REM	STD DEV			(DPM/100CM2)		REM	STD DEV		(uR/h)	
NAME	NAME	TOTAL	STD DEV	MAX	STD DEV			STD DEV	TOTAL	STD DEV	MAX			STD DEV	STD DEV	TOTAL
Rm 105f - Floor(Waxed)	1,8					-1.59	2.06	622	165			7.17	8.92	8.39	0.20	
Rm 105f - Floor(Waxed)	E,5					-1.59	2.06	685	166			7.17	8.92	7.97	0.19	
Rm 105f - Floor	N,1	-0.91	6.46			1.06	3.36	702	166			-3.45	7.17	7.78	0.19	
Rm 105f - Wall West	3,1	-2.74	6.20			3.72	4.28	-440	140			15.13	10.04			
Rm 105f - Wall West	4,3	1.57	2.21			3.72	4.28	-186	133			-0.80	7.65			
Rm 105f - Wall West	2,5	-6.40	5.63			-1.59	2.06	-447	140			15.13	10.04			
Rm 105f - Wall West	5,6	2.61	2.45			-1.33	1.88	-186	133			-2.94	6.04			
Rm 105f - Wall West	3,7	4.57	7.19			-1.59	2.06	-502	139			-8.76	6.11			
Rm 105f - Wall West	4,8	-0.52	1.65			-1.33	1.88	-219	133			2.41	7.13			
Rm 105f - Wall West	4,R	2.61	2.45			1.33	3.25	-73	136			5.09	7.62			
Rm 105f - Wall North	2,2	3.78	10.41			-1.33	1.88	-199	160			13.12	8.92			
Rm 105f - Wall North	1,5	-1.72	10.04			-1.33	1.88	-184	160			-0.27	6.61			
Rm 105f - Wall North	3,8	4.77	8.93			-1.33	1.88	-155	151			7.76	8.07			
Rm 105f - Wall North	5,7	3.65	2.66			-1.33	1.88	113	141			-0.27	6.61			
Rm 105f - Wall North	4,3	0.52	1.95			-1.33	1.88	-46	137			2.41	7.13			
Rm 105f - Wall North	N,9+3	1.57	2.21			-1.33	1.88	-40	137			7.76	8.07			
Rm 105f - Wall South	2,3	-2.74	6.20			-1.59	2.06	-413	141			1.86	8.09			
Rm 105f - Wall South	4,3	-0.28	1.70			-1.59	2.06	-760	186			-0.80	7.65			
Rm 105f - Wall South	1,5	0.91	6.71			1.06	3.36	-420	141			-0.80	7.65			
Rm 105f - Wall South	5,6	3.13	2.60			1.06	3.36	-323	197			-0.80	7.65			
Rm 105f - Wall South	3,7	-0.91	6.46			-1.59	2.06	-363	146			-8.76	6.11			
Rm 105f - Wall South	4,7	0.85	2.05			-1.59	2.06	-500	192			4.51	8.52			
Rm 105f - Wall South	2,8	2.39	8.77			-1.59	2.06	-294	148			1.86	8.09			
Rm 105HB - Floor	3,1	4.01	9.14			6.38	5.04	755	168			-3.45	7.17	8.32	0.20	
Rm 105HB - Floor	2,6	-2.16	8.71			11.69	6.29	622	165			1.86	8.09	9.01	0.20	
Rm 105HB - Floor	1,7	10.19	9.55			6.38	5.04	581	164			-3.45	7.17	8.69	0.20	
Rm 105HB - Floor	6,6	10.19	9.55			6.38	5.04	734	167			-3.45	7.17	9.24	0.21	
Rm 105HB - Floor	6,1	14.05	9.81			19.66	7.79	805	179			9.82	9.31	8.88	0.20	
Rm 105HB - Floor	7,6	15.13	9.86			9.03	5.70	685	166			-0.80	7.65	9.70	0.21	
Rm 105HB - Floor	7,2	16.61	9.98			11.69	6.29	783	179			1.86	8.09	9.28	0.21	
Rm 105HB - Floor	9,8	15.13	9.86			11.69	6.29	678	166			1.86	8.09	8.55	0.20	
Rm 105HB - Floor	10,1	-4.63	8.54			9.03	5.70	727	167			-0.80	7.65	7.39	0.19	
Rm 105HB - Floor	11,4	14.05	9.81			27.63	9.05	972	183			17.78	10.38	9.05	0.21	
Rm 105HB - Floor	13,8	-1.28	8.76			17.00	7.32	595	175			7.17	8.92	7.82	0.19	
Rm 105HB - Floor	14,4	12.77	9.73			14.35	6.83	885	181			4.51	8.52	8.85	0.20	
Rm 105HB - Floor	14,3	15.33	9.90			11.69	6.29	674	177			1.86	8.09	8.13	0.19	
Rm 105HB - Floor	16,4	8.94	9.47			14.35	6.83	660	176			4.51	8.52	8.74	0.20	
Rm 105HB - Floor	17,2	14.05	9.81			14.35	6.83	689	177			4.51	8.52	8.69	0.20	
Rm 105HB - Floor	18,8	3.83	9.12			9.03	5.70	863	180			-0.80	7.65	8.46	0.20	

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T005 LOT1 - Rooms 105,112,115 FINAL SURVEY RESULTS

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SAMPLE	GRID			ALPHA							BETA				GAMMA	
				(DPM/100CM2)		(DPM/100CM2)					(uR/h)					
NAME	NAME	TOTAL	STD DEV	MAX	STD DEV	REM	STD DEV	TOTAL	STD DEV	MAX	STD DEV	REM	STD DEV	TOTAL	STD DEV	
Rm 105HB - Ceiling	2,6	5.15	3.14			9.03	5.70	9	158			-0.80	7.65			
Rm 105HB - Ceiling	8,7	7.44	3.53			1.06	3.36	-161	154			-0.80	7.65			
Rm 105HB - Ceiling	5,7	6.30	3.34			11.69	6.29	-35	157			1.86	8.09			
Rm 105HB - Ceiling	5,5	5.15	3.14			22.32	8.23	-65	157			-6.10	6.66			
Rm 105HB - Wall West	2,3	3.13	2.60			3.98	4.19	-435	194			53.27	13.67			
Rm 105HB - Wall West	3,5	0.85	2.05			-1.33	1.88	-500	192			-2.94	6.04			
Rm 105HB - Wall West	2,8	-0.28	1.70			-1.59	2.06	-416	194			-11.41	5.50			
Rm 105HB - Wall West	3,10	-0.28	1.70			9.03	5.70	-323	197			-0.80	7.65			
Rm 105HB - Wall South	1,3	-4.77	8.26			17.00	7.32	-287	148			7.17	8.92			
Rm 105HB - Wall South	2,5	5.96	9.01			6.38	5.04	-397	146			-3.45	7.17			
Rm 105HB - Wall South	4,5	3.49	3.07			1.06	3.36	-238	142			-8.76	6.11			
Rm 105HB - Wall South	5,7	0.00	2.32			14.35	6.83	-469	136			4.51	8.52			
Rm 105HB - Wall South	6,2	1.16	2.60			14.35	6.83	-238	142			4.51	8.52			
Rm 105HB - Wall South	8,3	0.00	2.32			3.72	4.28	-340	139			-6.10	6.66			
Rm 105HB - Wall South	8,4	-1.16	2.01			3.72	4.28	-292	141			-6.10	6.66			
Rm 105HB - Wall South	8,7	-1.16	2.01			9.03	5.70	-163	144			-0.80	7.65			
Rm 105HB - Wall East	1,1	6.54	10.59			-1.59	2.06	-347	156			-0.80	7.65			
Rm 105HB - Wall East	7,2	0.00	2.32			-1.59	2.06	-292	141			-0.80	7.65			
Rm 105HB - Wall East	6,3	0.00	2.32			-1.59	2.06	-272	141			-0.80	7.65			
Rm 105HB - Wall East	5,4	3.57	8.83			-1.59	2.06	-411	145			4.51	8.52			
Rm 105HB - Wall East	7,4	0.00	2.32			1.06	3.36	-401	138			4.51	8.52			
Rm 105HB - Wall East	2,6	9.29	10.77			-1.59	2.06	-318	157			1.86	8.09			
Rm 105HB - Wall East	3,8	4.57	8.97			1.06	3.36	-365	145			-6.10	6.66			
Rm 105HB - Wall East	4,8	2.38	8.74			1.06	3.36	-480	144			-8.76	6.11			
Rm 105HB - Wall East	7,8	0.00	2.32			-1.59	2.06	-258	141			1.86	8.09			
Rm 105HB - Wall East	7,10	-2.06	2.28			-1.59	2.06	-414	148			9.82	9.31			
Rm 105HB - Wall East	5,10	5.95	8.98			-1.59	2.06	-342	147			4.51	8.52			
Rm 105HB - Wall East	2,11	6.54	10.59			-1.59	2.06	-362	156			1.86	8.09			
Rm 105HB - Wall East	7,14	0.29	2.82			1.06	3.36	-463	147			-0.80	7.65			
Rm 105HB - Wall East	1,15	9.29	10.77			-1.59	2.06	-184	160			-6.10	6.66			
Rm 105HB - Wall East	5,15	1.19	8.66			-1.59	2.06	-321	147			1.86	8.09			
Rm 105HB - Wall East	7,16	-0.88	2.56			-1.59	2.06	-392	148			1.86	8.09			
Rm 105HB - Wall East	5,17	2.38	8.74			-1.59	2.06	-335	147			-0.80	7.65			
Rm 105HB - Wall East	3,18	3.35	8.89			-1.59	2.06	-435	143			-3.45	7.17			
Rm 112HB - Wall East	2,20	-10.28	8.84			-1.59	2.06	-414	154			4.51	8.52			
Rm 112HB - Wall East	4,21	0.29	2.82			-1.59	2.06	-406	148			-3.45	7.17			
Rm 112HB - Wall East	8,21	2.65	3.27			-1.59	2.06	-385	149			-3.45	7.17			
Rm 112HB - Wall East	1,22	-0.31	9.51			1.06	3.36	-591	149			7.17	8.92			
Rm 112HB - Wall East	4,22	1.47	3.06			3.72	4.28	-456	147			9.82	9.31			

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T005 LOT1 - Rooms 105,112,115 FINAL SURVEY RESULTS

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SAMPLE	GRID	ALPHA						BETA						GAMMA	
		(DPM/100CM2)						(DPM/100CM2)						(uR/h)	
NAME	NAME	TOTAL	STD DEV	MAX	STD DEV	REM	STD DEV	TOTAL	STD DEV	MAX	STD DEV	REM	STD DEV	TOTAL	STD DEV
Rm 112HB - Wall East	8,23	3.82	3.48			-1.59	2.06	-279	151			1.86	8.09		
Rm 112HB - Wall East	3,25	0.91	8.72			1.06	3.36	-477	142			-0.80	7.65		
Rm 112HB - Wall East	8,25	2.65	3.27			1.06	3.36	-300	151			12.47	9.68		
Rm 112HB - Wall East	6,27	1.90	2.36			-1.33	1.88	-635	200			-0.27	6.61		
Rm 112HB - Wall East	7,28	1.90	2.36			-1.33	1.88	-596	201			5.09	7.62		
Rm 112HB - Wall East	5,29	3.03	2.62			1.33	3.25	-750	197			10.44	8.51		
Rm 112HB - Wall East	2,30	3.43	9.75			1.06	3.36	-485	152			9.82	9.31		
Rm 112HB - Floor	19,7	9.86	9.70			3.72	4.28	1197	196			1.86	8.09	8.00	0.19
Rm 112HB - Floor	20,4	21.68	10.47			1.06	3.36	971	192			25.74	11.35	8.08	0.19
Rm 112HB - Floor	20,3	11.17	9.79			-1.59	2.06	963	192			-3.45	7.17	8.86	0.20
Rm 112HB - Floor	22,4	15.11	10.05			1.06	3.36	1057	193			-0.80	7.65	7.69	0.19
Rm 112HB - Floor	23,2	21.68	10.47			3.72	4.28	1057	193			-8.76	6.11	8.95	0.20
Rm 112HB - Floor	24,8	8.54	9.61			1.06	3.36	1127	195			4.51	8.52	7.15	0.18
Rm 112HB - Floor	26,6	-6.40	8.19			1.06	3.36	147	157			7.17	8.92	6.71	0.18
Rm 112HB - Floor	26,1	5.91	9.43			1.06	3.36	979	192			15.13	10.04	8.69	0.20
Rm 112HB - Floor	28,7	-2.74	8.46			-1.59	2.06	84	155			7.17	8.92	7.18	0.18
Rm 112HB - Floor	29,4	4.60	9.34			6.38	5.04	800	188			9.82	9.31	7.75	0.19
Rm 112HB - Floor	30,2	9.86	9.70			-1.59	2.06	816	189			1.86	8.09	7.39	0.19
Rm 112HB - Floor	N,5	25.63	10.72			3.72	4.28	901	190			-6.10	6.66	6.94	0.18
Rm 112HB - Wall West	2,3	-10.28	8.84			3.72	4.28	-450	153			9.82	9.31		
Rm 112HB - Wall West	1,6	-5.30	9.18			1.06	3.36	-457	153			-3.45	7.17		
Rm 112HB - Wall West	3,8	-2.80	9.35			-1.59	2.06	-627	149			4.51	8.52		
Rm 112HB - Wall West	3,11	-5.30	9.18			3.72	4.28	-315	156			-3.45	7.17		
Rm 112HB - Wall West	3,13	-7.79	9.01			1.06	3.36	-492	152			7.17	8.92		
Rm 112HB - Wall West	2,18	-4.05	9.26			-1.59	2.06	-485	152			-0.80	7.65		
Rm 112HB - Wall West	3,20	-0.31	9.51			1.06	3.36	-535	151			12.47	9.68		
Rm 112HB - Wall West	4,2	29.20	6.11			1.06	3.36	-448	147			-0.80	7.65		
Rm 112HB - Wall West	5,4	26.91	5.89			1.06	3.36	-500	146			-8.76	6.11		
Rm 112HB - Wall West	4,7	32.63	6.43			-1.59	2.06	-389	149			-6.10	6.66		
Rm 112HB - Wall West	6,12	4.70	3.22			-1.59	2.06	-309	141			1.86	8.09		
Rm 112HB - Wall West	5,14	5.74	3.38			-1.59	2.06	-269	142			1.86	8.09		
Rm 112HB - Wall West	5,16	0.52	2.45			-1.59	2.06	-500	137			4.51	8.52		
Rm 112HB - Wall West	6,19	2.61	2.86			-1.59	2.06	-377	140			-0.80	7.65		
Rm 112HB - Wall West	7,2	2.61	2.86			1.06	3.36	-384	139			1.86	8.09		
Rm 112HB - Wall West	7,4	5.74	3.38			-1.59	2.06	-350	140			-6.10	6.66		
Rm 112HB - Wall West	7,8	1.57	2.66			-1.59	2.06	-309	141			-3.45	7.17		
Rm 112HB - Wall West	8,12	0.52	2.45			3.72	4.28	-500	137			-0.80	7.65		
Rm 112HB - Wall West	8,17	7.83	3.69			-1.59	2.06	-126	146			-3.45	7.17		
Rm 112HB - Wall West	7,14	5.74	3.38			-1.59	2.06	-316	141			4.51	8.52		

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T005 LOT1 - Rooms 105,112,115 FINAL SURVEY RESULTS

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SAMPLE	GRID	ALPHA				BETA				GAMMA					
		(DPM/100CM2)				(DPM/100CM2)				(uR/h)					
NAME	NAME	TOTAL	STD DEV	MAX	STD DEV	REM	STD DEV	TOTAL	STD DEV	MAX	STD DEV	REM	STD DEV	TOTAL	STD DEV
Rm 112HB - Wall West	7,20	-0.88	2.56			1.06	3.36	-442	147			-3.45	7.17		
Rm 112HB - Wall North	1,4	-0.88	2.56			-1.59	2.06	-286	140			4.51	8.52		
Rm 112HB - Wall North	3,2	-2.06	2.28			-1.59	2.06	-192	142			-0.80	7.65		
Rm 112HB - Wall North	3,8	-0.88	2.56			-1.59	2.06	-408	137			-0.80	7.65		
Rm 112HB - Wall North	5,3	-2.06	2.28			-1.59	2.06	-357	149			-0.80	7.65		
Rm 112HB - Wall North	5,5	0.29	2.82			-1.59	2.06	-522	134			9.82	9.31		
Rm 112HB - Wall North	5,7	1.47	3.06			3.72	4.28	-388	138			-0.80	7.65		
Rm 112HB - Wall North	7,2	-0.88	2.56			-1.59	2.06	-414	148			-8.76	6.11		
Rm 112HB - Wall North	8,5	3.03	2.62			-1.33	1.88	-548	202			10.44	8.51		
Light Fixture - Rm 112HB	S-1	0.29	2.27			1.33	3.25	-373	152			5.09	7.62		
Light Fixture - Rm 112HB	S-2	-0.88	1.95			-1.33	1.88	-305	154			15.79	9.31		
Light Fixture - Rm 112HB	S-3	1.47	2.56			-1.33	1.88	-305	154			2.41	7.13		
Light Fixture - Rm 105HB	S-4	-0.57	2.42			1.33	3.25	-356	149			18.47	9.69		
Light Fixture - Rm 105HB	S-5	0.57	2.68			-1.33	1.88	-203	153			10.44	8.51		
8"-pipe along East Wall - Rm 105HB	S-6	-0.58	1.83			6.63	4.96	-415	150			5.09	7.62		
8"-pipe along East Wall - Rm 105HB	S-7	1.73	2.45			3.98	4.19	-393	150			10.44	8.51		
8"-pipe along East Wall - Rm 112HB	S-8	-0.58	1.83			-1.33	1.88	-430	150			10.44	8.51		
8"-pipe along East Wall - Rm 112HB	S-9	-0.58	1.83			1.33	3.25	-490	148			-2.94	6.04		
Large white duct vent - Rm 105f	S-10	2.86	3.13			1.33	3.25	-429	147			5.09	7.62		
Large white duct vent - Rm 105f	S-11	1.71	2.91			1.33	3.25	-429	147			-0.27	6.61		
Large white duct vent - Rm 105f	S-12	1.71	2.91			-1.33	1.88	-268	151			7.76	8.07		
I-Beams - Rm 112HB	S-13	4.00	3.33			1.33	3.25	-364	149			7.76	8.07		
I-Beams - Rm 112HB	S-14	-0.57	2.42			1.33	3.25	-181	153			7.76	8.07		
I-Beams - Rm 105HB	S-15	2.86	3.13			3.98	4.19	-276	151			2.41	7.13		
I-Beams - Rm 105HB	S-16	1.71	2.91			-1.33	1.88	-232	152			7.76	8.07		
I-Beams - Rm 105HB	S-17	1.71	2.91			3.98	4.19	-217	152			-0.27	6.61		
I-Beams - Rm 112HB	S-18	-1.71	2.14			-1.33	1.88	-334	150			2.41	7.13		
Overhead Crane - Rm 105HB	S-19	0.29	2.27			1.33	3.25	-358	153			-2.94	6.04		
Overhead Crane - Rm 105HB	S-20	0.29	2.27			1.33	3.25	-606	146			7.76	8.07		
Electrical Box - Rm 105HB	S-21	4.00	3.33			-1.33	1.88	-503	145			-0.27	6.61		
Electrical Box - Rm 105HB	S-22	1.71	2.91			1.33	3.25	-481	146			-2.94	6.04		
Yellow Gas Line - Rm 105HB	S-23	0.57	2.68			3.98	4.19	-27	157			-0.27	6.61		
Heater Box - Rm 112HB	S-24	0.57	2.68			1.33	3.25	-283	151			18.47	9.69		
Pipe East to West - Rm 105HB	S-25	0.57	2.68			1.33	3.25	-27	157			-0.27	6.61		
MSO Vessel - L1-Stairs	S-26	-2.65	2.49			1.33	3.25	-210	154			-2.94	6.04		
MSO Vessel - L1-Railings	S-27	-0.21	3.03			-1.33	1.88	-484	148			-0.27	6.61		
MSO Vessel - L1-Railings	S-28	1.01	3.27			3.98	4.19	-535	147			21.15	10.05		
MSO Vessel - L1-Panels	S-29	2.23	3.49			1.33	3.25	-513	147			2.41	7.13		
MSO Vessel - L1- I-Beam support Bottom	S-30	-1.43	2.78			3.98	4.19	-564	146			5.09	7.62		

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T005 LOT1 - Rooms 105,112,115 FINAL SURVEY RESULTS

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SAMPLE NAME	GRID NAME	TOTAL	STD DEV	ALPHA (DPM/100CM2)				TOTAL	STD DEV	BETA (DPM/100CM2)				TOTAL	STD DEV
				MAX	STD DEV	REM	STD DEV			MAX	STD DEV	REM	STD DEV		
MSO - L1- I-Beam support Head Level	S-31	-1.43	2.78			-1.33	1.88	-528	147			5.09	7.62		
MSO Vessel - L1- 12' Pipe Insulation	S-32	-0.21	3.03			-1.33	1.88	-73	158			5.09	7.62		
MSO Vessel - L1- 12' Pipe Insulation	S-33	1.01	3.27			-1.33	1.88	-73	158			-5.62	5.42		
MSO Vessel - L1- 12' Pipe Insulation	S-34	2.23	3.49			3.98	4.19	-66	158			2.41	7.13		
MSO Vessel - L2-Railings/ Stairs	S-35	-0.21	3.03			1.33	3.25	-686	143			10.44	8.51		
MSO Vessel - L2- Railing	S-36	-0.21	3.03			-1.33	1.88	-528	147			5.09	7.62		
MSO Vessel - L2- Stairs	S-37	3.46	3.70			-1.33	1.88	-290	153			-2.94	6.04		
MSO Vessel - L2- Vessel	S-38	1.01	3.27			-1.33	1.88	-830	139			5.09	7.62		
MSO Vessel - L2- Beam	S-39	-2.65	2.49			-1.33	1.88	-434	149			10.44	8.51		
MSO Vessel - L2- Block	S-40	2.23	3.49			-1.33	1.88	-585	145			13.12	8.92		
MSO Vessel - L3- Railings	S-41	1.01	3.27			1.33	3.25	-470	148			15.79	9.31		
Maximum:		34.74	10.77			27.63	9.05	1196.58	202.02			53.27	13.67	9.70	0.21
Minimum:		-10.28	1.65			-1.59	1.88	-830.38	132.63			-11.41	5.42	6.71	0.18
Average:		3.28	5.24			1.61	3.19	-121.21	156.02			2.43	7.83	8.39	0.20

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T005 LOT 2 - Rooms 110, 113 & Hallways FINAL SURVEY RESULTS

Page 1

SAMPLE NAME	GRID NAME	ALPHA (DPM/100CM2)						BETA (DPM/100CM2)						GAMMA (uR/h)	
		TOTAL	STD DEV	MAX	STD DEV	REM	STD DEV	TOTAL	STD DEV	MAX	STD DEV	REM	STD DEV	TOTAL	STD DEV
Hallways - Floor	6,1	0.41	2.40			-0.36	0.99	45	163			0.00	6.32	8.73	0.20
Hallways - Floor	8,2	2.92	2.99			-0.36	0.99	-13	162			0.00	6.32	8.87	0.20
Hallways - Floor	12,2	-0.84	2.05			2.38	2.91	-115	159			-5.16	5.16	8.38	0.20
Hallways - Floor	11,11	0.41	2.40			-0.36	0.99	-6	162			2.58	6.83	8.78	0.20
Hallways - Floor	12,8	1.67	2.71			-0.36	0.99	-64	160			-2.58	5.77	8.73	0.20
Hallways - Floor	11,-3	-0.84	2.05			2.38	2.91	-180	158			7.74	7.74	8.18	0.20
Hallways - Floor	12,-5	0.41	2.40			2.38	2.91	-165	158			-2.58	5.77	8.00	0.19
Hallways - Floor	12,16	1.67	2.71			-0.36	0.99	-100	160			-2.58	5.77	9.25	0.21
Hallways - Floor	16,15	0.41	2.40			-0.36	0.99	95	164			0.00	6.32	9.89	0.21
Hallways - Floor	18,16	2.92	2.99			-0.36	0.99	30	163			-7.74	4.47	9.82	0.21
Hallways - Ceiling	12,-5	-0.62	1.97			5.12	4.00	-340	146			7.74	7.74		
Hallways - Ceiling	12,5	1.87	2.64			-0.36	0.99	-97	152			2.58	6.83		
Hallways - Ceiling	12,7	-0.62	1.97			-0.36	0.99	-4	154			5.16	7.30		
Hallways - Ceiling	11,12	1.87	2.64			-0.36	0.99	-161	150			2.58	6.83		
Hallways - Ceiling	11,16	0.62	2.33			2.38	2.91	-311	147			2.58	6.83		
Hallways - Ceiling	16,17	-0.62	1.97			-0.36	0.99	-269	148			-2.58	5.77		
Hallways - Ceiling	1,1	0.62	2.33			5.12	4.00	-39	153			0.00	6.32		
Hallways - Ceiling	4,1	1.87	2.64			2.38	2.91	18	154			7.74	7.74		
Hallways - Ceiling	7,1	3.11	2.92			-0.36	0.99	-161	150			5.16	7.30		
Hallways - Ceiling	11,3	0.62	2.33			-0.36	0.99	-104	152			2.58	6.83		
Hallways - Ceiling	11,-2	0.62	2.33			5.12	4.00	-240	148			2.58	6.83		
Hallways - Ceiling	18,5	-0.62	1.97			-0.36	0.99	-311	147			2.58	6.83		
Hallways - Westhall - East Wall	4,1	1.65	2.02			-0.36	0.99	-332	146			5.16	7.30		
Hallways - Westhall - East Wall	7-8,3	2.88	2.37			-0.36	0.99	-395	144			10.32	8.16		
Hallways - Westhall - East Wall	12,2	0.41	1.60			2.38	2.91	-283	147			-7.74	4.47		
Hallways - Westhall - West Wall	8-9,3	4.12	2.68			-0.36	0.99	-205	149			-5.16	5.16		
Hallways - Westhall - West Wall	3,1	1.65	2.02			-0.36	0.99	-283	147			2.58	6.83		
Hallways - Westhall - West Wall	6,2	0.41	1.60			-0.36	0.99	-114	151			0.00	6.32		
Hallways - Westhall - West Wall	11,2	1.65	2.02			-0.36	0.99	-297	147			-2.58	5.77		
Hallways - Westhall - West Wall	14,1	0.41	1.60			-0.36	0.99	-339	146			-7.74	4.47		
Hallways - Easthall - South Wall	2,2	0.41	1.60			-0.36	0.99	-461	150			7.74	7.74		
Hallways - Easthall - South Wall	4,1	0.41	1.60			-0.36	0.99	-359	152			-7.74	4.47		
Hallways - Easthall - South Wall	5-6,3	0.41	1.60			-0.36	0.99	-227	155			0.00	6.32		
Hallways - Easthall - South Wall	9,1	1.65	2.02			-0.36	0.99	-351	152			-2.58	5.77		
Hallways - Easthall - North Wall	1,2	0.41	1.60			2.38	2.91	-388	152			-2.58	5.77		
Hallways - Easthall - North Wall	5,1	1.65	2.02			-0.36	0.99	-117	158			5.16	7.30		
Hallways - Easthall - North Wall	9,2	2.88	2.37			-0.36	0.99	-190	156			-2.58	5.77		
Hallways - Easthall - North Wall	12,2	1.65	2.02			-0.36	0.99	-315	153			0.00	6.32		
Hallways - Northhall - East Wall	3,1	0.41	1.60			-0.36	0.99	-102	158			0.00	6.32		

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T005 LOT 2 - Rooms 110, 113 & Hallways FINAL SURVEY RESULTS

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SAMPLE NAME	GRID NAME	ALPHA (DPM/100CM2)				BETA (DPM/100CM2)				GAMMA (uR/h)			
		TOTAL	STD DEV	MAX	STD DEV	REM	STD DEV	TOTAL	STD DEV	MAX	STD DEV	REM	STD DEV
Hallways - Northhall - East Wall	6,2	2.88	2.37			2.38	2.91	-176	157			0.00	6.32
Hallways - Southhall - South Wall	1,1	1.87	1.98			5.12	4.00	-346	146			-2.58	5.77
Hallways - Southhall - South Wall	5,2	0.62	1.53			5.12	4.00	-381	145			-2.58	5.77
Hallways - Southhall - South Wall	11,2	0.62	1.53			-0.36	0.99	-276	147			0.00	6.32
Hallways - Southhall - North Wall	1,2	0.62	1.53			-0.36	0.99	-424	144			-7.74	4.47
Hallways - Southhall - North Wall	7,2	0.62	1.53			-0.36	0.99	-262	148			-2.58	5.77
Hallways - Southhall - North Wall	11,1	3.12	2.34			-0.36	0.99	-198	149			2.58	6.83
Rm 110 - Floor	2,2	1.86	1.96			-0.36	0.99	91	157			-2.58	5.77
Rm 110 - Floor	1,5-6	0.62	1.52			-0.36	0.99	-115	152			0.00	6.32
Rm 110 - Floor	3,4	0.62	1.52			2.38	2.91	-58	153			2.58	6.83
Rm 110 - Floor	5,5	1.86	1.96			-0.36	0.99	-79	153			5.16	7.30
Rm 110 - Floor	6,1	1.86	1.96			-0.36	0.99	176	159			12.90	8.56
Rm 110 - Floor	8,3	1.86	1.96			-0.36	0.99	-86	153			2.58	6.83
Rm 110 - Floor	10,6	0.62	1.52			-0.36	0.99	-100	152			-5.16	5.16
Rm 110 - Floor	11,2	0.62	1.52			-0.36	0.99	13	155			5.16	7.30
Rm 110 - Ceiling	3,3	-1.46	2.22			-0.36	0.99	-16	153			12.90	8.56
Rm 110 - Ceiling	4,6	-0.21	2.55			2.38	2.91	-286	147			2.58	6.83
Rm 110 - Ceiling	5,1	2.28	3.10			10.60	5.57	-2	154			15.48	8.94
Rm 110 - Ceiling	7,2	-0.21	2.55			2.38	2.91	-59	152			7.74	7.74
Rm 110 - Ceiling	8,4	1.03	2.83			-0.36	0.99	-109	151			0.00	6.32
Rm 110 - Ceiling	11,3	-1.46	2.22			-0.36	0.99	-116	151			2.58	6.83
Rm 110 - West Wall	1,2	1.23	2.12			2.38	2.91	-581	146			-5.16	5.16
Rm 110 - West Wall	3-4,5	-0.21	2.55			-0.36	0.99	-264	147			0.00	6.32
Rm 110 - West Wall	5,1	0.00	1.73			-0.36	0.99	-524	147			7.74	7.74
Rm 110 - East Wall	1-2,5	2.28	3.10			-0.36	0.99	-208	149			-2.58	5.77
Rm 110 - East Wall	2,2	1.23	2.12			-0.36	0.99	-445	149			0.00	6.32
Rm 110 - East Wall	4,4	2.49	2.49			-0.36	0.99	-507	147			2.58	6.83
Rm 110 - East Wall	6,1	0.00	1.73			-0.36	0.99	-274	153			-7.74	4.47
Rm 110 - South Wall	1,3	2.45	2.45			-0.36	0.99	-195	155			-2.58	5.77
Rm 110 - South Wall	3,4	1.25	2.16			2.38	2.91	-472	148			0.00	6.32
Rm 110 - South Wall	4,1	3.68	2.74			2.38	2.91	-431	149			5.16	7.30
Rm 110 - South Wall	6,2	1.23	2.12			-0.36	0.99	-366	151			15.48	8.94
Rm 110 - South Wall	7-8,5	-1.46	2.22			-0.36	0.99	-286	147			2.58	6.83
Rm 110 - South Wall	9,3	2.45	2.45			-0.36	0.99	-495	148			7.74	7.74
Rm 110 - North Wall	2,3	1.23	2.12			-0.36	0.99	-231	154			2.58	6.83
Rm 110 - North Wall	4-3,5	1.03	2.83			-0.36	0.99	-342	145			-2.58	5.77
Rm 110 - North Wall	5,4	0.00	1.76			-0.36	0.99	-430	149			-2.58	5.77
Rm 110 - North Wall	6,1	1.23	2.12			-0.36	0.99	-209	155			2.58	6.83
Rm 110 - North Wall	9,2	0.00	1.73			-0.36	0.99	-338	152			-2.58	5.77

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T005 LOT 2 - Rooms 110, 113 & Hallways FINAL SURVEY RESULTS

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SAMPLE NAME	GRID NAME	ALPHA (DPM/100CM2)						BETA (DPM/100CM2)						GAMMA (uR/h)	
		TOTAL	STD DEV	MAX	STD DEV	REM	STD DEV	TOTAL	STD DEV	MAX	STD DEV	REM	STD DEV	TOTAL	STD DEV
Rm 110 - North Wall	11,3	0.00	1.73			-0.36	0.99	-374	151			-5.16	5.16		
Rm 110 - Lg Console-top	S-1	1.23	2.12			-0.36	0.99	-515	147			5.16	7.30		
Rm 110 - Lg Console-top	S-2	0.00	1.73			-0.36	0.99	-465	148			0.00	6.32		
Rm 110 - Lg Console-southside	S-3	1.23	2.12			-0.36	0.99	-557	146			0.00	6.32		
Rm 110 - Lg Console-front	S-4	2.45	2.45			-0.36	0.99	-500	147			-2.58	5.77		
Rm 110 - Sm Console-top	S-5	1.23	2.12			2.38	2.91	-621	144			7.74	7.74		
Rm 110 - Sm Console-front	S-6	0.00	1.73			2.38	2.91	-642	143			12.90	8.56		
Rm 110 - Sm Console-top	S-7	0.00	1.73			-0.36	0.99	-415	149			0.00	6.32		
Rm 110 - Cable Tray-top	S-8	0.00	1.73			-0.36	0.99	-352	150			2.58	6.83		
Rm 113 - Floor	1,2	1.01	2.17			2.38	2.91	-12	162			10.32	8.16	8.07	0.19
Rm 113 - Floor	2,3	-0.21	1.80			-0.36	0.99	-121	159			2.58	6.83	8.09	0.19
Rm 113 - Floor	4,5	2.23	2.49			-0.36	0.99	-157	158			7.74	7.74	8.46	0.20
Rm 113 - Floor	6,1	-0.21	1.80			-0.36	0.99	-48	161			-2.58	5.77	8.75	0.20
Rm 113 - Floor	7,4	-0.21	1.80			-0.36	0.99	60	163			5.16	7.30	8.70	0.20
Rm 113 - Floor	10,3	-0.21	1.80			2.38	2.91	10	162			5.16	7.30	8.14	0.19
Rm 113 - Ceiling	2,3	-0.41	1.90			-0.36	0.99	-186	158			0.00	6.32		
Rm 113 - Ceiling	5,5	0.83	2.27			-0.36	0.99	-193	158			-2.58	5.77		
Rm 113 - Ceiling	4,2	-0.41	1.90			-0.36	0.99	-150	159			0.00	6.32		
Rm 113 - Ceiling	6,1	0.83	2.27			2.38	2.91	-70	160			5.16	7.30		
Rm 113 - Ceiling	9,4	0.83	2.27			2.38	2.91	-77	160			2.58	6.83		
Rm 113 - Ceiling	11,4-5	2.08	2.59			-0.36	0.99	-251	156			0.00	6.32		
Rm 113 - North Wall	2,2	1.01	2.17			-0.36	0.99	-491	151			-5.16	5.16		
Rm 113 - North Wall	4,1	3.46	2.78			-0.36	0.99	-469	151			0.00	6.32		
Rm 113 - North Wall	7,3	2.23	2.49			-0.36	0.99	-404	153			0.00	6.32		
Rm 113 - North Wall	10,2	1.01	2.17			-0.36	0.99	-346	154			0.00	6.32		
Rm 113 - South Wall	1,1	-0.21	1.80			-0.36	0.99	-346	154			7.74	7.74		
Rm 113 - South Wall	6,2	-0.21	1.80			-0.36	0.99	-360	154			-5.16	5.16		
Rm 113 - South Wall	8,1	1.01	2.17			-0.36	0.99	-244	156			2.58	6.83		
Rm 113 - West Wall	2,2	-0.21	1.80			-0.36	0.99	-433	152			12.90	8.56		
Rm 113 - West Wall	5,2	-0.21	1.80			2.38	2.91	-411	153			5.16	7.30		
Rm 113 - East Wall	1,1	2.23	2.49			-0.36	0.99	-433	152			5.16	7.30		
Rm 113 - East Wall	4,3	1.01	2.17			-0.36	0.99	-353	154			-5.16	5.16		
Maximum:		4.12	3.10			10.60	5.57	176.04	163.96			15.48	8.94	10.03	0.22
Minimum:		-1.46	1.52			-0.36	0.99	-641.94	143.48			-7.74	4.47	7.58	0.19
Average:		0.95	2.13			0.52	1.53	-241.64	152.41			1.48	6.54	8.60	0.20

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T005 Lot 3 - North, Northeast & Bldg. 049 Asphalt Areas FINAL SURVEY RESULTS

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		SOIL CONCENTRATION ACTIVITY								BETA				GAMMA	
SAMPLE	GRID			(pCi/gram)						(DPM/100CM2)				(uR/h)	
NAME	NAME	K-40	STD DEV	Th-234	STD DEV	U-235	STD DEV	TOTAL	STD DEV	MAX	STD DEV	REM	STD DEV	TOTAL	STD DEV
North - Ground	1,6	21.34	0.66	1.182	0.084	0.0585	0.0105	629	196					12.63	0.24
North - Ground	2,3	19.03	0.64	1.484	0.135	0.0631	0.0035	539	195					13.06	0.25
North - Ground	3,5	20.02	0.65	1.515	0.165	0.0524	0.0051	190	188					13.26	0.25
North - Ground	4,2	20.35	0.65	1.585	0.158	0.0513	0.0036	469	194					13.43	0.25
North - Ground	5,1	19.69	0.64	1.340	0.262	0.0396	0.0107	413	193					13.25	0.25
North - Ground	6,7	20.17	0.65	1.142	0.141	0.0476	0.0027	490	194					12.74	0.24
North - Ground	7,5	19.28	0.64	1.594	0.148	0.0562	0.0031	197	189					12.19	0.24
North - Ground	9,8	19.98	0.65	1.151	0.149	0.0722	0.0089	511	194					11.82	0.23
North - Ground	12,7	20.29	0.65	0.928	0.146	0.0550	0.0031	113	187					11.72	0.23
North - Ground	14,3	19.75	0.64	1.480	0.150	0.0616	0.0033	608	196					12.25	0.24
North - Ground	16,6	18.60	0.63	1.659	0.131	0.0718	0.0089	657	197					12.49	0.24
North - Ground	18,2	20.37	0.65	1.185	0.135	0.0542	0.0168	448	193					11.75	0.23
North - Ground	20,3	20.04	0.65	1.495	0.184	0.0582	0.0029	504	194					12.26	0.24
North - Ground	22,5	20.68	0.65	1.388	0.158	0.0497	0.0036	699	198					11.74	0.23
North - Ground	24,8	20.21	0.65	1.427	0.118	0.0587	0.0023	615	196					12.09	0.24
North - Ground	26,9	22.06	0.67	1.692	0.213	0.0593	0.0027	462	193					11.70	0.23
North - Ground	28,7	21.14	0.66	1.195	0.173	0.0531	0.0036	406	192					12.98	0.25
North - Ground	30,2	21.15	0.66	1.150	0.098	0.0506	0.0086	790	199					12.47	0.24
North - Ground	32,7	21.38	0.66	1.107	0.166	0.0578	0.0037	511	194					13.42	0.25
North - Ground	34,2	19.81	0.65	1.353	0.161	0.0496	0.0032	497	194					12.21	0.24
North - Ground	36,4	21.50	0.66	0.894	0.190	0.0427	0.0100	755	199					13.29	0.25
North - Ground	38,2	20.18	0.65	0.990	0.082	0.0705	0.0109	539	195					12.62	0.24
North - Ground	40,2	22.12	0.67	1.277	0.070	0.0548	0.0021	594	196					12.16	0.24
North - Ground	42,3	21.50	0.66	1.018	0.149	0.0427	0.0017	629	196					13.24	0.25
North - Ground	44,6	20.39	0.65	1.187	0.107	0.0552	0.0020	943	202					13.71	0.25
North - Ground	46,1	20.82	0.66	1.220	0.156	0.0483	0.0026	825	200					12.18	0.24
North - Ground	48,4	21.38	0.66	1.165	0.190	0.0572	0.0029	846	200					14.00	0.26
North - Ground	50,5	22.30	0.67	1.217	0.113	0.0547	0.0020	629	196					14.44	0.26
North - Ground	52,3	21.91	0.67	1.081	0.132	0.0549	0.0040	574	195					13.50	0.25
North - Ground	54,2	21.52	0.66	1.509	0.144	0.0643	0.0023	685	197					12.75	0.24
North - Ground	10,4							459	208					11.24	0.23
North - Ground	11,2							444	208					10.75	0.22
North - Ground	13,9							481	208					10.34	0.22
North - Ground	15,1							608	210					11.16	0.23
North - Ground	17,8							429	207					12.05	0.24
North - Ground	19,5							355	206					11.38	0.23
North - Ground	21,2							377	206					11.88	0.24

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SAMPLE	GRID	SOIL CONCENTRATION ACTIVITY								BETA				GAMMA	
		(pCi/gram)								(DPM/100CM2)				(uR/h)	
NAME	NAME	K-40	STD DEV	Th-234	STD DEV	U-235	STD DEV	TOTAL	STD DEV	MAX	STD DEV	REM	STD DEV	TOTAL	STD DEV
North - Ground	23,3							392	207					11.70	0.23
North - Ground	25,4							451	208					11.32	0.23
North - Ground	27,5							675	212					11.49	0.23
North - Ground	29,3							613	210					11.70	0.23
North - Ground	31,9							771	213					11.89	0.24
North - Ground	33,4							477	207					12.68	0.24
North - Ground	35,5							379	206					13.36	0.25
North - Ground	39,6							628	210					12.96	0.25
North - Ground	41,9							522	208					12.36	0.24
North - Ground	43,6							477	207					12.78	0.24
North - Ground	45,3							643	210					12.48	0.24
North - Ground	47,6							568	209					13.71	0.25
North - Ground	49,2							749	212					12.92	0.25
North - Ground	53,9							552	209					13.83	0.25
Northeast - Ground	1,13	20.05	0.65	1.700	0.147	0.0518	0.0099	808	200					13.36	0.25
Northeast - Ground	2,17	21.92	0.67	1.070	0.126	0.0566	0.0037	717	198					14.01	0.26
Northeast - Ground	3,5	20.93	0.66	0.858	0.103	0.0374	0.0022	506	195					13.29	0.25
Northeast - Ground	3,14	20.64	0.65	1.031	0.129	0.0421	0.0031	598	196					13.66	0.25
Northeast - Ground	4,16	22.28	0.67	1.271	0.170	0.0569	0.0044	654	197					14.18	0.26
Northeast - Ground	5,3	21.17	0.66	1.060	0.129	0.0402	0.0025	661	197					13.45	0.25
Northeast - Ground	6,14	23.41	0.68	1.339	0.145	0.0580	0.0037	598	196					14.28	0.26
Northeast - Ground	7,9	20.89	0.66	1.432	0.214	0.0484	0.0036	302	191					13.64	0.25
Northeast - Ground	8,11	22.59	0.68	1.177	0.169	0.0513	0.0032	689	198					14.60	0.26
Northeast - Ground	9,12	22.92	0.68	1.209	0.160	0.0599	0.0038	541	195					14.98	0.26
Northeast - Ground	11,9	21.42	0.66	1.005	0.127	0.0447	0.0035	359	192					13.94	0.25
Northeast - Ground	13,2	20.79	0.66	0.990	0.139	0.0339	0.0092	534	195					13.04	0.25
Northeast - Ground	16,6	21.98	0.67	1.109	0.078	0.0536	0.0016	352	192					13.82	0.25
Northeast - Ground	19,3	22.70	0.68	1.209	0.160	0.0507	0.0028	422	193					13.81	0.25
Northeast - Ground	22,2	23.50	0.68	1.309	0.136	0.0410	0.0063	865	201					13.62	0.25
Northeast - Ground	1,3							308	209					12.95	0.25
Northeast - Ground	2,6							370	210					13.15	0.25
Northeast - Ground	4,9							462	212					13.15	0.25
Northeast - Ground	5,10							547	214					13.61	0.25
Northeast - Ground	6,2							1086	223					12.94	0.25
Northeast - Ground	8,4							554	214					12.97	0.25
Northeast - Ground	9,6							400	211					13.71	0.25
Northeast - Ground	10,13							223	208					14.00	0.26

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SAMPLE NAME	GRID NAME	SOIL CONCENTRATION ACTIVITY						BETA (DPM/100CM2)				GAMMA (uR/h)			
		K-40	STD DEV	Th-234 (pCi/gram)	STD DEV	U-235	STD DEV	TOTAL	STD DEV	MAX	STD DEV	REM	STD DEV	TOTAL	STD DEV
Northeast - Ground	12,10							385	211					13.54	0.25
Northeast - Ground	14,8							316	209					14.34	0.26
Northeast - Ground	15,5							701	216					13.34	0.25
Northeast - Ground	17,3							308	209					13.45	0.25
Northeast - Ground	18,5							647	215					14.09	0.26
Northeast - Ground	21,1							524	213					13.52	0.25
East 005 Area - Ground	2,1	22.06	0.67	1.124	0.092	0.0468	0.0018	267	190					11.16	0.23
East 005 Area - Ground	4,13	20.86	0.66	0.910	0.094	0.0422	0.0022	865	201					12.09	0.24
East 005 Area - Ground	6,17	20.62	0.65	1.181	0.140	0.0436	0.0024	492	194					12.91	0.24
East 005 Area - Ground	7,1	21.32	0.66	1.088	0.131	0.0450	0.0072	260	190					12.94	0.25
East 005 Area - Ground	7,28	21.07	0.66	0.693	0.102	0.0246	0.0051	211	189					12.53	0.24
East 005 Area - Ground	9,15	20.65	0.65	1.193	0.141	0.0565	0.0031	443	193					13.52	0.25
East 005 Area - Ground	11,8	21.50	0.66	1.670	0.128	0.0584	0.0027	359	192					12.90	0.24
East 005 Area - Ground	11,23	20.63	0.65	1.021	0.121	0.0574	0.0030	394	193					13.14	0.25
East 005 Area - Ground	8,4							747	217					13.22	0.25
East 005 Area - Ground	11,3							547	214					13.12	0.25
East 005 Area - Ground	9,10							508	213					12.80	0.24
East 005 Area - Ground	7,7							570	214					12.03	0.24
East 005 Area - Ground	6,13							639	215					12.39	0.24
East 005 Area - Ground	3,2							655	215					11.92	0.24
East 005 Area - Ground	8,11							616	215					12.96	0.25
East 005 Area - Ground	11,10							685	216					13.10	0.25
East 005 Area - Ground	10,18							377	210					12.75	0.24
East 005 Area - Ground	9,22							285	209					13.20	0.25
East 005 Area - Ground	10,26							470	212					12.22	0.24
East 005 Area - Ground	6,22							1001	222					12.33	0.24
East 005 Area - Ground	3,8							986	221					11.48	0.23
East 049 Area - Ground	3,5	22.73	0.68	0.920	0.106	0.0485	0.0031	457	194					13.80	0.25
East 049 Area - Ground	7,3	22.40	0.67	0.886	0.097	0.0386	0.0018	576	196					12.96	0.25
East 049 Area - Ground	11,8	24.12	0.69	1.240	0.100	0.0504	0.0025	703	198					13.83	0.25
East 049 Area - Ground	13,5	24.10	0.69	1.024	0.039	0.0487	0.0063	598	196					13.70	0.25
East 049 Area - Ground	18,2	21.92	0.67	1.067	0.105	0.0468	0.0025	815	200					14.04	0.26
East 049 Area - Ground	22,3	21.55	0.66	0.916	0.067	0.0419	0.0131	583	196					14.50	0.26
East 049 Area - Ground	2,2							560	209					13.24	0.25
East 049 Area - Ground	6,4							696	211					13.37	0.25
East 049 Area - Ground	5,7							734	212					13.33	0.25
East 049 Area - Ground	8,6							628	210					13.00	0.25

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T005 Lot 3 - North, Northeast & Bldg. 049 Asphalt Areas FINAL SURVEY RESULTS

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SAMPLE NAME	GRID NAME	SOIL CONCENTRATION ACTIVITY								BETA				GAMMA	
				(pCi/gram)						(DPM/100CM2)				(uR/h)	
		K-40	STD DEV	Th-234	STD DEV	U-235	STD DEV	TOTAL	STD DEV	MAX	STD DEV	REM	STD DEV	TOTAL	STD DEV
East 049 Area - Ground	10,4							454	207					12.77	0.24
East 049 Area - Ground	12,6							522	208					13.48	0.25
East 049 Area - Ground	15,2							696	211					13.03	0.25
East 049 Area - Ground	16,6							605	210					12.90	0.24
East 049 Area - Ground	17,4							575	209					13.48	0.25
East 049 Area - Ground	20,5							228	203					14.29	0.26
East 049 Area - Ground	25,2							613	210					14.13	0.26
Maximum:		24.12	0.69	1.700	0.262	0.0722	0.0168	1085.70	223.03					14.98	0.26
Minimum:		18.60	0.63	0.693	0.039	0.0246	0.0016	112.87	187.01					10.34	0.22
Average:		21.21	0.66	1.209	0.136	0.0516	0.0046	548.04	203.07					12.94	0.25

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T005 LOT 4 - Attic Area FINAL SURVEY RESULTS

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SAMPLE NAME	GRID NAME	TOTAL	STD DEV	ALPHA (DPM/100CM2)		REM	STD DEV	TOTAL	STD DEV	BETA (DPM/100CM2)		REM	STD DEV	GAMMA (uR/h)	
				MAX	STD DEV					MAX	STD DEV			TOTAL	STD DEV
Attic - Floor	1,2	3.74	2.51			-0.62	1.29	-135	160			4.61	6.37	6.91	0.18
Attic - Floor	2,1	6.04	2.99			-0.62	1.29	-60	162			14.85	8.18	6.77	0.18
Attic - Floor	1,5	3.74	2.51			-0.62	1.29	-112	161			2.05	5.84	7.03	0.18
Attic - Floor	2,8	0.29	1.52			-0.62	1.29	-172	159			7.17	6.87	6.75	0.18
Attic - Floor	3,6	4.89	2.76			-0.62	1.29	-82	162			2.05	5.84	7.21	0.18
Attic - Floor	3,1	3.19	2.66			-0.62	1.29	64	165			12.29	7.76	6.93	0.18
Attic - Floor	4,2	0.87	2.09			-0.62	1.29	-79	162			-3.07	4.58	6.80	0.18
Attic - Floor	5,3	3.19	2.66			-0.62	1.29	-34	163			7.17	6.87	6.93	0.18
Attic - Floor	6,1	4.35	2.90			-0.62	1.29	-231	158			9.73	7.33	6.31	0.17
Attic - Floor	5,6	-0.29	1.74			2.08	2.99	26	164			4.61	6.37	6.99	0.18
Attic - Floor	4,8	41.74	7.22	164.69	13.82	2.08	2.99	407	170	1436	191	12.29	7.76	6.76	0.18
Attic - Floor	5,9	5.64	3.38			2.08	2.99	78	163			19.97	8.94	6.49	0.17
Attic - Floor	7,2	10.15	4.07			2.08	2.99	-4	161			25.09	9.65	7.00	0.18
Attic - Floor	8,2	7.86	3.72			-0.62	1.29	-13	163			2.05	5.84	6.92	0.18
Attic - Floor	9,1	16.84	4.89	223.35	15.99	4.78	4.03	424	172	33295	523	12.29	7.76	6.81	0.18
Attic - Floor	10,3	2.24	2.75			-0.62	1.29	-35	162			4.61	6.37	7.32	0.18
Attic - Floor	9,6	3.37	2.97			-0.62	1.29	106	165			-0.51	5.25	7.04	0.18
Attic - Floor	7,6	0.00	2.24			2.08	2.99	-228	158			2.05	5.84	7.29	0.18
Attic - Floor	8,7	5.67	3.00			2.08	2.99	-108	156			2.05	5.84	7.04	0.18
Attic - Floor	4,3	-0.19	1.65			-0.62	1.29	-147	164			2.05	5.84	7.30	0.18
Attic - Floor	8,1	15.44	4.49	982.52	33.17	-0.62	1.29	4346	248	47547	628	14.85	8.18	6.92	0.18
Attic - Floor	11,5	0.00	2.24			-0.62	1.29	-43	162			9.73	7.33	6.63	0.18
Attic - Floor	11,7	3.40	2.53			-0.62	1.29	81	161			-5.63	3.80	7.08	0.18
Attic - Floor	12,6	1.13	1.96			-0.62	1.29	-10	159			9.73	7.33	7.23	0.18
Attic - Floor	12,2	3.19	2.56			4.78	4.03	-168	160			-3.07	4.58	7.10	0.18
Attic - Floor	13,1	0.94	2.01			-0.62	1.29	-123	161			2.05	5.84	7.16	0.18
Attic - Floor	14,3	3.19	2.56			-0.62	1.29	146	167			7.17	6.87	6.96	0.18
Attic - Floor	14,6	2.06	2.30			2.08	2.99	-4	164			7.17	6.87	7.02	0.18
Attic - Floor	15,5-6	3.19	2.56			-0.62	1.29	-93	162			-0.51	5.25	6.95	0.18
Attic - Floor	14,10	-0.19	1.66			-0.62	1.29	-392	155			-0.51	5.25	6.93	0.18
Attic - East Wall	2,2	1.71	2.42			4.78	4.03	-323	150			9.73	7.33		
Attic - East Wall	4,2	1.71	2.42			-0.62	1.29	-235	152			7.17	6.87		
Attic - East Wall	8,1	5.14	3.13			2.08	2.99	-344	149			9.73	7.33		
Attic - East Wall	11,2	1.71	2.42			-0.62	1.29	-286	151			-0.51	5.25		
Attic - East Wall	14,1	2.86	2.68			-0.62	1.29	-432	147			2.05	5.84		
Attic - South Wall	4,2	0.72	2.47			-0.62	1.29	-334	154			4.61	6.37		
Attic - South Wall	8,2	1.79	2.70			-0.62	1.29	-133	159			4.61	6.37		

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T005 LOT 4 - Attic Area FINAL SURVEY RESULTS

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SAMPLE NAME	GRID NAME	ALPHA (DPM/100CM2)						BETA (DPM/100CM2)						GAMMA (uR/h)	
		TOTAL	STD DEV	MAX	STD DEV	REM	STD DEV	TOTAL	STD DEV	MAX	STD DEV	REM	STD DEV	TOTAL	STD DEV
Attic - North Wall	1,9	-0.35	2.23			-0.62	1.29	-423	152			-0.51	5.25		
Attic - North Wall	1,6	-1.43	1.96			-0.62	1.29	-461	151			2.05	5.84		
Attic - North Wall	2,2	0.72	2.47			-0.62	1.29	-327	154			-0.51	5.25		
A/C Duct, N, 115(A) Hallway	S-1	-0.35	2.23			2.08	2.99	-6	162			-3.07	4.58		
A/C Duct, N, 115(A) Hallway	S-2	5.00	3.27			-0.62	1.29	-66	160			4.61	6.37		
A/C Duct, N, 115(A) Hallway	S-3	-0.35	2.23			2.08	2.99	-371	153			-3.07	4.58		
A/C Duct, W, 115(A) Hallway	S-4	0.72	2.47			-0.62	1.29	-379	153			12.29	7.76		
A/C Duct, W, 115(A)	S-5	-0.35	2.23			-0.62	1.29	-245	156			2.05	5.84		
A/C Duct, W, 115(A)	S-6	1.79	2.70			-0.62	1.29	-163	158			-0.51	5.25		
Window, W, 115(A)	S-7	3.93	3.09			2.08	2.99	-58	160			9.73	7.33		
A/C Duct, Center, 115(A)	S-8	5.00	3.27			-0.62	1.29	-200	157			9.73	7.33		
A/C Duct, Center, 115(A)	S-9	1.79	2.70			-0.62	1.29	-163	158			7.17	6.87		
A/C Duct, Center, 115(A)	S-10	3.93	3.09			-0.62	1.29	-230	156			-0.51	5.25		
A/C Duct, S, 113(A)	S-11	2.86	2.90			2.08	2.99	-6	162			-0.51	5.25		
A/C Duct, S, 113(A)	S-12	0.72	2.47			2.08	2.99	-274	155			7.17	6.87		
A/C Duct, W, 113(A)	S-13	8.22	3.76			-0.62	1.29	-170	158			-0.51	5.25		
A/C Duct, W, 113(A)	S-14	0.72	2.47			-0.62	1.29	-341	154			4.61	6.37		
Window, W, 113(A)	S-15	1.79	2.70			4.78	4.03	9	162			2.05	5.84		
Screen, W, 113(A)	S-16	-0.35	2.23			2.08	2.99	-125	159			7.17	6.87		
Beams, 115(A)	S-17	2.86	2.90			-0.62	1.29	-200	157			4.61	6.37		
Pipes, 115(A)	S-18	0.72	2.47			-0.62	1.29	53	163			2.05	5.84		
Maximum:		41.74	7.22	982.52	33.17	4.78	4.03	4346.36	247.88	47547.48	628.46	25.09	9.65	7.32	0.18
Minimum:		-1.43	1.52	164.69	13.82	-0.62	1.29	-460.63	147.12	1436.05	191.29	-5.63	3.80	6.31	0.17
Average:		3.60	2.75	456.85	20.99	0.40	1.89	-48.77	160.50	27426.17	447.50	4.96	6.34	6.95	0.18

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T005 LOT 5 - North Overhang FINAL SURVEY RESULTS

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SAMPLE	GRID	ALPHA						BETA						GAMMA	
		(DPM/100CM2)						(DPM/100CM2)						(uR/h)	
NAME	NAME	TOTAL	STD DEV	MAX	STD DEV	REM	STD DEV	TOTAL	STD DEV	MAX	STD DEV	REM	STD DEV	TOTAL	STD DEV
North Overhang - Floor	2,1	-29.34	8.58			-0.36	0.99	45	200			14.08	8.30	8.67	0.20
North Overhang - Floor	2,4	-26.62	8.79			2.39	2.92	465	208			6.40	7.01	10.73	0.22
North Overhang - Floor	4,1	-25.25	8.90			-0.36	0.99	150	202			11.52	7.89	9.78	0.21
North Overhang - Floor	5,1	-25.25	8.90			-0.36	0.99	-60	198			1.28	6.00	9.73	0.21
North Overhang - Floor	5,5	-22.52	9.10			-0.36	0.99	-60	198			1.28	6.00	11.45	0.23
North Overhang - Floor	7,1	-29.34	8.58			-0.36	0.99	-240	194			6.40	7.01	8.25	0.20
North Overhang - Floor	8,6	-4.78	10.35			2.39	2.92	-83	197			6.40	7.01	11.37	0.23
North Overhang - Floor	11,5	-26.62	8.79			-0.36	0.99	-23	199			3.84	6.53	10.29	0.22
North Overhang - Floor	12,2	-23.89	9.00			-0.36	0.99	-150	196			3.84	6.53	9.79	0.21
North Overhang - Floor	13,3	-21.16	9.21			-0.36	0.99	23	199			3.84	6.53	10.10	0.22
North Overhang - Floor	14,5	-32.07	8.36			2.39	2.92	15	199			11.52	7.89	10.13	0.22
North Overhang - Floor	5,4-7	-0.68	10.62			-0.36	0.99	128	201			14.08	8.30	12.07	0.24
North Overhang - Floor	1,5	35.78	12.61	133.49	17.13	2.39	2.92	796	219	925	222	3.84	6.53	10.57	0.22
North Overhang - Floor	1,4	155.51	18.00	348.17	24.27	-0.36	0.99	743	218	1511	231	14.08	8.30	10.57	0.22
North Overhang - Floor	1,3	-19.27	9.13			-0.36	0.99	-253	200			8.96	7.46	9.67	0.21
North Overhang - Floor	1,1													8.31	0.20
North Overhang - Floor	2,3													10.06	0.22
North Overhang - Floor	3,1													9.15	0.21
North Overhang - Floor	4,2													10.37	0.22
North Overhang - Floor	5,2													10.59	0.22
North Overhang - Floor	6,2													9.61	0.21
North Overhang - Floor	6,1													9.45	0.21
North Overhang - Floor	8,1													7.81	0.19
North Overhang - Floor	3,6													11.74	0.23
North Overhang - Floor	4,5													11.77	0.23
North Overhang - Floor	5,4													10.96	0.23
North Overhang - Floor	7,6													11.10	0.23
North Overhang - Floor	10,5													10.20	0.22
North Overhang - Floor	11,3													9.65	0.21
North Overhang - Floor	12,6													11.46	0.23
North Overhang - Floor	13,1													8.95	0.20
North Overhang - Floor	14,2													9.02	0.20
North Overhang - Floor	14,4													10.32	0.22
North Overhang - Floor	14,6													10.19	0.22
North Overhang - South Wall	1,2	-35.78	7.78			2.39	2.92	-1302	166			11.52	7.89		
North Overhang - South Wall	2,4	-28.85	7.60			2.39	2.92	-1122	169			6.40	7.01		
North Overhang - South Wall	3,2	-37.16	7.66			-0.36	0.99	-1087	170			8.96	7.46		

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T005 LOT 5 - North Overhang FINAL SURVEY RESULTS

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SAMPLE NAME	GRID NAME	TOTAL	STD DEV	ALPHA (DPM/100CM2)				TOTAL	STD DEV	BETA (DPM/100CM2)				TOTAL	STD DEV
				MAX	STD DEV	REM	STD DEV			MAX	STD DEV	REM	STD DEV		
North Overhang - South Wall	5,1	-38.14	6.86			-0.36	0.99	-1130	169			3.84	6.53		
North Overhang - South Wall	7,2	-38.14	6.86			-0.36	0.99	-1108	170			8.96	7.46		
North Overhang - South Wall	9,3	-36.98	6.95			2.39	2.92	-1187	168			3.84	6.53		
North Overhang - South Wall	12,2	-35.82	7.05			-0.36	0.99	-1338	165			1.28	6.00		
North Overhang - South Wall	14,3	-38.14	6.86			-0.36	0.99	-1115	170			-1.28	5.43		
North Overhang - West Wall	2,2	-35.82	7.05			-0.36	0.99	-1489	161			-3.84	4.79		
North Overhang - West Wall	4,1	-36.98	6.95			-0.36	0.99	-1295	166			3.84	6.53		
North Overhang - West Wall	6,3	-38.14	6.86			-0.36	0.99	-1237	167			-1.28	5.43		
North Overhang - East Wall	6,3	-38.14	6.86			-0.36	0.99	-1273	166			8.96	7.46		
North Overhang - East Wall	4,1	-34.66	7.15			-0.36	0.99	-1043	171			8.96	7.46		
North Overhang - East Wall	2,2	-33.50	7.24			-0.36	0.99	-1381	164			-3.84	4.79		
North Overhang - Ceiling	1,1	-35.82	7.05			-0.36	0.99	-1201	168			-1.28	5.43		
North Overhang - Ceiling	2,4	4.84	9.85	85.01	13.79	2.39	2.92	-419	184	-17	191	11.52	7.89		
North Overhang - Ceiling	5,1	-36.98	6.95			2.39	2.92	-390	184			16.64	8.68		
North Overhang - Ceiling	5,6	-46.79	9.47			-0.36	0.99	-588	181			-3.84	4.79		
North Overhang - Ceiling	1-2,7	-53.82	8.93			-0.36	0.99	-792	177			6.40	7.01		
North Overhang - Ceiling	7,5	-53.82	8.93			-0.36	0.99	-844	176			6.40	7.01		
North Overhang - Ceiling	9,3	-49.60	9.25			2.39	2.92	-550	182			8.96	7.46		
North Overhang - Ceiling	10,5	-53.82	8.93			-0.36	0.99	-664	180			1.28	6.00		
North Overhang - Ceiling	13,3	-51.01	9.15			-0.36	0.99	-875	175			-3.84	4.79		
North Overhang - Ceiling	14,6	-52.42	9.04			-0.36	0.99	-415	185			-1.28	5.43		
North Overhang - Ceiling	11,1	-51.01	9.15			-0.36	0.99	-860	176			1.28	6.00		
N.O. - A/C Housing - Top	S-1	-31.28	7.72			-0.36	0.99	-969	174			3.84	6.53		
N.O. - A/C Housing - Eastside	S-2	-39.31	7.10			-0.36	0.99	-1128	171			3.84	6.53		
N.O. - A/C Housing - Northside	S-3	-39.31	7.10			-0.36	0.99	-1143	171			11.52	7.89		
N.O. - A/C Housing - Southside	S-4	-40.46	7.00			-0.36	0.99	-1222	169			11.52	7.89		
N.O. - A/C Housing - Westside	S-5	-37.01	7.28			-0.36	0.99	-977	174			6.40	7.01		
N.O. - A/C Housing - Top	S-6	-35.87	7.37			-0.36	0.99	-919	175			6.40	7.01		
N.O. - A/C Duct	S-7	-27.83	7.97			2.39	2.92	-789	178			6.40	7.01		
N.O. - A/C Duct	S-8	-33.57	7.55			-0.36	0.99	-1114	171			1.28	6.00		
N.O. - A/C Duct	S-9	-34.72	7.46			-0.36	0.99	-1251	168			3.84	6.53		
N.O. - A/C Duct	S-10	-38.16	7.19			-0.36	0.99	-1114	171			-3.84	4.79		
N.O. - A/C Duct	S-11	-32.42	7.63			-0.36	0.99	-782	178			3.84	6.53		
N.O. - A/C Duct	S-12	-35.87	7.37			2.39	2.92	-1027	173			3.84	6.53		
N.O. - Light Fixture (southeast)	S-13	-31.28	7.72			-0.36	0.99	1096	213	3457	250	6.40	7.01		
N.O. - Switch Box	S-14	-33.57	7.55			2.39	2.92	-1193	170			-3.84	4.79		
N.O. - Switch Box	S-15	-27.83	7.97			-0.36	0.99	-1020	173			11.52	7.89		

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T005 LOT 5 - North Overhang FINAL SURVEY RESULTS

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SAMPLE NAME	GRID NAME	ALPHA (DPM/100CM2)						BETA (DPM/100CM2)				GAMMA (uR/h)			
		TOTAL	STD DEV	MAX	STD DEV	REM	STD DEV	TOTAL	STD DEV	MAX	STD DEV	REM	STD DEV	TOTAL	STD DEV
N.O. - Overhead Conduit (Southeast)	S-16	-27.28	8.50			5.14	4.01	-271	185			21.76	9.41		
N.O. - Overhead Conduit (Southeast)	S-17	-36.37	7.87			2.39	2.92	-689	176			3.84	6.53		
N.O. - Overhead I-beams & Supports	S-18	-42.05	7.45			5.14	4.01	-792	174			11.52	7.89		
N.O. - Overhead I-beams & Supports	S-19	-43.19	7.37			7.89	4.87	1305	214	2258	229	29.44	10.40		
N.O. - Wireways (South to North)	S-20	-39.78	7.62			-0.36	0.99	-982	170			1.28	6.00		
Maximum:		155.51	18.00	348.17	24.27	7.89	4.87	1304.74	219.38	3456.58	249.61	29.44	10.40	12.07	0.24
Minimum:		-53.82	6.86	85.01	13.79	-0.36	0.99	-1488.63	161.40	-16.73	191.36	-3.84	4.79	7.81	0.19
Average:		-29.82	8.27	188.89	18.40	0.61	1.61	-636.46	181.43	1626.66	224.69	5.85	6.81	10.11	0.22

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SAMPLE NAME	GRID NAME	TOTAL	STD DEV	ALPHA (DPM/100CM2)				TOTAL	STD DEV	BETA (DPM/100CM2)				TOTAL	STD DEV
				MAX	STD DEV	REM	STD DEV			MAX	STD DEV	REM	STD DEV		
Ext. Southside Pad - Floor	1,8	-22.72	10.22			0.79	3.44	149	226			18.17	9.71	9.69	0.21
Ext. Southside Pad - Floor	2,2	-11.20	10.92			0.79	3.44	-212	219			2.14	7.17	11.30	0.23
Ext. Southside Pad - Floor	3,7	24.65	12.85			-1.85	2.21	-36	222			4.81	7.65	10.02	0.22
Ext. Southside Pad - Floor	4,6	-0.96	11.50			0.79	3.44	317	229			-0.53	6.65	10.83	0.22
Ext. Southside Pad - Floor	5,7	-12.48	10.84			0.79	3.44	158	226			4.81	7.65	10.22	0.22
Ext. Southside Pad - Floor	6,5	-4.80	11.29			0.79	3.44	183	226			12.82	8.94	10.88	0.22
Ext. Southside Pad - Floor	7,3	-3.52	11.36			-1.85	2.21	351	229			7.48	8.10	11.19	0.23
Ext. Southside Pad - Floor	8,1	29.77	13.10			0.79	3.44	552	233			7.48	8.10	11.88	0.23
Ext. Southside Pad - Floor	9,8	12.56	10.41			-1.85	2.21	-2	199			20.84	10.07	8.89	0.20
Ext. Southside Pad - Floor	9,11	2.28	9.82			-1.85	2.21	138	201			2.14	7.17	8.10	0.19
Ext. Southside Pad - Floor	10,2	4.57	9.96			-1.85	2.21	-61	198			7.48	8.10	11.91	0.24
Ext. Southside Pad - Floor	11,4	9.14	10.22			6.07	5.08	42	199			4.81	7.65	10.64	0.22
Ext. Southside Pad - Floor	12,5	9.14	10.22			-1.85	2.21	263	203			4.81	7.65	9.79	0.21
Ext. Southside Pad - Floor	13,1	7.99	10.15			0.79	3.44	307	204			15.50	9.33	10.99	0.23
Ext. Southside Pad - Floor	14,5	-14.85	8.77			-1.85	2.21	-53	198			7.48	8.10	8.43	0.20
Ext. Southside Pad - Floor	14,10	19.42	10.77			3.43	4.34	351	205			12.82	8.94	9.05	0.21
Ext. Southside Pad - Floor	15,10	15.99	10.59			3.43	4.34	-303	193			7.48	8.10	8.12	0.19
Ext. Southside Pad - Floor	16,6	-21.70	8.31			3.43	4.34	-68	197			4.81	7.65	7.54	0.19
Ext. Southside Pad - Floor	17,1	-14.85	8.77			0.79	3.44	277	204			7.48	8.10	9.89	0.21
Ext. Southside Pad - Floor	18-19,12	-2.28	9.56			0.79	3.44	108	201			12.82	8.94	8.71	0.20
Ext. Southside Pad - Floor	18,5	-7.99	9.21			3.43	4.34	101	201			-0.53	6.65	8.87	0.20
Ext. Southside Pad - Floor	19,6	4.57	9.96			-1.85	2.21	241	203			4.81	7.65	9.03	0.20
Southeast Slab 6-1 - Floor	2,2	-24.53	8.50			-1.85	2.21	216	199			15.50	9.33	9.69	0.21
Southeast Slab 6-1 - Floor	3,4	-20.85	8.76			-1.85	2.21	-137	192			10.15	8.53	9.47	0.21
Southeast Slab 6-1 - Floor	5,3	-30.67	8.04			-1.85	2.21	-34	194			18.17	9.71	9.84	0.21
Southeast Slab 6-1 - Floor	8,1	-22.08	8.67			-1.85	2.21	510	204			4.81	7.65	10.15	0.22
Southeast Slab 6-1 - Floor	8,4	-29.44	8.14			-1.85	2.21	39	196			-3.21	6.09	9.63	0.21
Southeast Slab 6-2 - Floor	1,3	4.40	9.06			-1.85	2.21	190	205			10.15	8.53	9.19	0.21
Southeast Slab 6-2 - Floor	2,2	-0.88	8.75			0.79	3.44	258	206			10.15	8.53	9.84	0.21
Southeast Slab 6-2 - Floor	2,3	-4.04	8.56			3.43	4.34	439	210			-5.88	5.48	9.55	0.21
Southeast Slab 6-2 - Floor	2,4	-7.20	8.36			3.43	4.34	130	204			15.50	9.33	9.29	0.21
Southeast Slab 6-2 - Floor	3,3	-11.42	8.09			-1.85	2.21	551	212			-0.53	6.65	9.23	0.21
Southeast Slab 6-2 - Floor	3,4	-6.15	8.43			0.79	3.44	228	206			-0.53	6.65	9.17	0.21
Southeast Slab 6-2 - Floor	4,1	4.40	9.06			-1.85	2.21	55	203			4.81	7.65	9.67	0.21
Southeast Slab 6-2 - Floor	4,3	-7.20	8.36			3.43	4.34	333	208			10.15	8.53	9.65	0.21
Southeast Slab 6-2 - Floor	4,5	13.89	9.60			-1.85	2.21	221	206			7.48	8.10	8.47	0.20
Southeast Slab 6-2 - Floor	6,4	-6.15	8.43			-1.85	2.21	288	207			-5.88	5.48	9.13	0.21

SAMPLE NAME	GRID NAME	TOTAL	STD DEV	ALPHA (DPM/100CM2)		REM	STD DEV	TOTAL	STD DEV	BETA (DPM/100CM2)		REM	STD DEV	GAMMA (uR/h)	
				MAX	STD DEV					MAX	STD DEV			TOTAL	STD DEV
Southeast Slab 6-3 - Floor	1,2	-9.50	8.35			0.79	3.44	475	207			4.81	7.65	8.55	0.20
Southeast Slab 6-3 - Floor	2,3	-10.52	8.29			-1.85	2.21	-43	197			7.48	8.10	8.70	0.20
Southeast Slab 6-3 - Floor	2,5	-23.75	7.43			-1.85	2.21	208	202			-3.21	6.09	8.95	0.20
Southeast Slab 6-3 - Floor	2,7	-24.77	7.36			-5.42	3.83	290	204			0.00	6.27	8.70	0.20
Southeast Slab 6-3 - Floor	3,4	-11.53	8.23			-5.42	3.83	245	203			7.68	7.68	8.88	0.20
Southeast Slab 6-3 - Floor	3,6	-11.53	8.23			-2.71	4.69	-14	198			5.12	7.24	9.53	0.21
Southeast Slab 6-3 - Floor	4,5	-18.65	8.60			-5.42	3.83	978	216			-2.56	5.72	9.37	0.21
Southeast Slab 6-3 - Floor	4,7	-27.89	8.03			-5.42	3.83	312	204			-2.56	5.72	9.17	0.21
Southeast Slab 6-3 - Floor	5,4	-11.47	9.02			-5.42	3.83	364	205			10.24	8.10	9.10	0.21
Southeast Slab 6-3 - Floor	5,6	-25.84	8.16			-2.71	4.69	712	211			5.12	7.24	8.91	0.20
Southeast Slab 6-3 - Floor	6,3	-28.92	7.96			-2.71	4.69	319	204			5.12	7.24	8.80	0.20
Southeast Slab 6-3 - Floor	6,4	-32.00	7.76			-5.42	3.83	238	203			5.12	7.24	9.23	0.21
Southeast Slab 6-3 - Floor	6,5	-33.02	7.69			-2.71	4.69	105	200			-2.56	5.72	9.17	0.21
Southeast Slab 6-3 - Floor	6,6	-34.05	7.62			-1.85	2.21	223	202			2.14	7.17	8.60	0.20
Southeast Slab 6-3 - Floor	7,4	-8.39	9.19			-1.85	2.21	290	204			12.82	8.94	9.39	0.21
Southeast Slab 6-3 - Floor	7,6	-10.44	9.08			-1.85	2.21	282	203			4.81	7.65	8.60	0.20
Southeast Slab 6-3 - Floor	8,5	-21.73	8.41			-1.85	2.21	342	205			4.81	7.65	9.50	0.21
Southeast Slab 6-4 - Floor	9,6	-22.76	8.35			-1.61	2.08	13	186			19.48	9.51	10.09	0.22
Southeast Slab 6-5 - Floor	12,6	-27.89	8.03			3.76	4.33	-15	185			6.14	7.40	9.56	0.21
Southeast Slab 6-6 - Floor	13,1	-32.00	7.76			6.45	5.10	-71	184			6.14	7.40	11.07	0.23
Southeast Slab 6-7 - Floor	1,1	-27.51	7.49			0.79	3.44	-32	188			10.15	8.53	8.53	0.20
Southeast Slab 6-7 - Floor	2,1	-31.54	7.21			0.79	3.44	298	194			20.84	10.07	9.03	0.20
Southeast Slab 6-7 - Floor	5,1	-29.53	7.35			0.79	3.44	-68	187			7.48	8.10	9.45	0.21
Southeast Slab 6-7 - Floor	9,1	-24.49	7.69			3.43	4.34	83	190			15.50	9.33	8.89	0.20
Southeast Slab 6-7 - Floor	10,1	-8.39	8.68			0.79	3.44	11	189			4.81	7.65	8.72	0.20
Southeast Slab 6-7 - Floor	12,1	-7.38	8.74			-1.85	2.21	176	192			7.48	8.10	9.38	0.21
Southeast Slab 6-7 - Floor	4,2	-25.50	7.62			6.07	5.08	111	191			42.21	12.59	9.08	0.21
Southeast Slab 6-7 - Floor	3,3	-27.51	7.49			3.43	4.34	61	190			4.81	7.65	9.27	0.21
Southeast Slab 6-7 - Floor	6,3	-22.89	7.19			3.43	4.34	363	195			23.51	10.42	9.15	0.21
Southeast Slab 6-7 - Floor	10,3	-15.82	7.67			0.79	3.44	-104	186			10.15	8.53	8.23	0.20
Southeast Slab 6-7 - Floor	2,4	-27.93	6.82			0.79	3.44	18	189			15.50	9.33	8.44	0.20
Southeast Slab 6-7 - Floor	8,5	-22.89	7.19			3.76	4.33	11	189			8.80	7.87	8.33	0.20
Southeast Slab 6-7 - Floor	11,5	-8.75	8.12			-1.61	2.08	126	191			14.14	8.73	9.40	0.21
Southeast Slab 6-7 - Floor	2,6	-26.92	6.90			0.79	3.44	26	193			-5.88	5.48	8.96	0.20
Southeast Slab 6-7 - Floor	7,6	-23.90	7.12			3.43	4.34	-18	192			20.84	10.07	8.35	0.20
Southeast Slab 6-7 - Floor	5,7	-22.89	7.19			-1.85	2.21	-84	190			7.48	8.10	9.12	0.21
Southeast Slab 6-7 - Floor	4,9	-20.87	7.33			0.79	3.44	114	194			2.14	7.17	10.11	0.22

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T005 LOT 6 - East Concrete Area FINAL SURVEY RESULTS

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SAMPLE	GRID	ALPHA (DPM/100CM2)				BETA (DPM/100CM2)				GAMMA (uR/h)					
NAME	NAME	TOTAL	STD DEV	MAX	STD DEV	REM	STD DEV	TOTAL	STD DEV	MAX	STD DEV	REM	STD DEV	TOTAL	STD DEV
Southeast Slab 6-7 - Floor	1,10	-24.91	7.04			0.79	3.44	319	198			12.82	8.94	6.72	0.18
Southeast Slab 6-7 - Floor	5,10	-11.78	7.93			-1.85	2.21	268	197			44.88	12.87	9.64	0.21
Southeast Slab 6-7 - Floor	3,11	-3.71	8.43			-1.85	2.21	-70	191			2.14	7.17	9.10	0.21
Southeast Slab 6-7 - Floor	11,10	-17.62	8.66			6.45	5.10	34	186			-1.87	5.78	9.23	0.21
Southeast Slab 6-7 - Floor	12,13	-43.29	6.97			1.07	3.40	-1	186			11.47	8.31	10.48	0.22
Wood/Unistrut For MCC's	S-1	-33.89	6.69			-1.85	2.21	-1123	175			20.84	10.07		
MCC for 'ESSICK' Compressor	S-2	-24.60	7.45			3.43	4.34	-1263	172			12.82	8.94		
MCC for Main pump (F9,10)	S-3	-24.60	7.45			0.79	3.44	-1278	172			15.50	9.33		
Cooling Water piping	S-4	-28.08	7.18			-1.85	2.21	-998	178			4.81	7.65		
Cooling Water piping	S-5	-25.76	7.36			-1.85	2.21	-1057	176			12.82	8.94		
Blower to Lg. Plenum (Wall)	S-6	-26.66	7.18			1.07	3.40	-1081	169			8.80	7.87		
Blower to Lg. Plenum (Wall)	S-7	-21.59	7.53			-1.61	2.08	-1037	170			8.80	7.87		
Blower to Lg. Plenum (Fan)	S-8	-23.62	7.39			6.45	5.10	-993	171			35.49	11.54		
Blower to Lg. Plenum (Top)	S-9	-18.56	7.73			-1.61	2.08	-870	173			14.14	8.73		
Stack Bottom	S-10	-29.69	6.96			-1.61	2.08	-979	171			-1.87	5.78		
Stack Bottom	S-11	-30.71	6.89			-1.61	2.08	-1030	170			22.15	9.88		
MCC for Pulverizer	S-12	-25.64	7.25			1.07	3.40	-993	171			30.15	10.90		
Pulverizer	S-13	-23.62	7.39			1.07	3.40	-950	172			6.14	7.40		
Crusher Beams	S-14	-24.63	7.32			3.76	4.33	-906	173			3.47	6.91		
Crusher Base	S-15	-18.56	7.73			-1.61	2.08	-986	171			8.80	7.87		
Angle Iron Support - Center	S-16	-25.64	7.25			-1.61	2.08	-1074	169			22.15	9.88		
Angle Iron Support - Horiz. & Vert	S-17	-29.69	6.96			-1.61	2.08	-1208	166			0.80	6.37		
Piping - Overhead Area	S-18	-28.68	7.04			-1.61	2.08	-1138	168			8.80	7.87		
Piping - In-between Tank	S-19	-26.66	7.18			-1.61	2.08	-1208	166			14.14	8.73		
Unistrut - East	S-20	-22.61	7.46			6.45	5.10	-1123	168			3.47	6.91		
Unistrut - 8' off Ground	S-21	-30.71	6.89			-1.61	2.08	-904	173			0.80	6.37		
East Building Wall	2,2	-26.19	7.06			1.07	3.40	-696	177			3.47	6.91		
East Building Wall	5,1	-24.08	7.22			1.07	3.40	-950	172			3.47	6.91		
East Building Wall	8,2	-29.35	6.82			-1.61	2.08	-674	177			3.47	6.91		
Maximum:		29.77	13.10			6.45	5.10	978.06	233.13			44.88	12.87	11.91	0.24
Minimum:		-43.29	6.69			-5.42	2.08	-1277.65	166.44			-5.88	5.48	6.72	0.18
Average:		-16.04	8.36			-0.07	3.19	-111.99	194.25			8.74	8.03	9.36	0.21

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T005 LOT 7 - Bldg. 049 & Receiving Pad FINAL SURVEY RESULTS

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SAMPLE NAME	GRID NAME	TOTAL	STD DEV	ALPHA (DPM/100CM2)				TOTAL	STD DEV	BETA (DPM/100CM2)				TOTAL	STD DEV
				MAX	STD DEV	REM	STD DEV			MAX	STD DEV	REM	STD DEV		
Receiving Slab - Ground	1,3	-13.93	10.00			2.12	3.05	-232	188			14.91	8.98	12.92	0.25
Receiving Slab - Ground	2,7	-17.85	9.74			2.12	3.05	132	195			2.06	6.90	12.51	0.24
Receiving Slab - Ground	3,1	-15.24	9.92			-0.63	1.32	-11	192			-3.08	5.86	13.08	0.25
Receiving Slab - Ground	4,2	-24.38	9.29			2.12	3.05	4	192			-3.08	5.86	12.65	0.24
Receiving Slab - Ground	5,4	-12.63	10.09			-0.63	1.32	-111	190			2.06	6.90	12.67	0.24
Receiving Slab - Ground	6,5	-20.46	9.57			-0.63	1.32	160	195			4.63	7.36	12.59	0.24
Receiving Slab - Ground	7,6	-16.54	9.83			-0.63	1.32	203	196			12.34	8.60	12.58	0.24
Receiving Slab - Ground	8,4	-11.32	10.17			-0.63	1.32	-11	192			12.34	8.60	12.84	0.24
Receiving Slab - Ground	9,2	-3.49	10.66			-0.63	1.32	-68	191			7.20	7.80	12.35	0.24
Receiving Slab - Ground	10,1	-12.63	10.09			-0.63	1.32	217	196			9.77	8.21	13.13	0.25
Receiving Slab - Ground	11,2	-4.79	10.58			-0.63	1.32	260	197			-3.08	5.86	13.08	0.25
Receiving Slab - Ground	12,3	-13.93	10.00			-0.63	1.32	289	198			2.06	6.90	12.78	0.24
Receiving Slab - Ground	1,16	-30.90	8.82			-0.63	1.32	170	194			2.06	6.90	12.42	0.24
Receiving Slab - Ground	2,14	-23.07	9.39			-0.63	1.32	105	193			4.63	7.36	11.66	0.23
Receiving Slab - Ground	3,10	-24.38	9.29			-0.63	1.32	163	194			-0.51	6.40	12.19	0.24
Receiving Slab - Ground	4,17	-8.71	10.34			-0.63	1.32	198	195			7.20	7.80	11.49	0.23
Receiving Slab - Ground	5,13	-13.93	10.00			2.12	3.05	141	194			4.63	7.36	12.30	0.24
Receiving Slab - Ground	6,18	-8.71	10.34			-0.63	1.32	320	197			2.06	6.90	10.96	0.23
Receiving Slab - Ground	7,16	-6.10	10.50			-0.63	1.32	292	196			4.63	7.36	11.92	0.24
Receiving Slab - Ground	8,12	-10.01	10.25			2.12	3.05	26	191			2.06	6.90	12.55	0.24
Receiving Slab - Ground	9,15	-15.24	9.92			-0.63	1.32	55	192			-3.08	5.86	12.16	0.24
Receiving Slab - Ground	10,11	-8.71	10.34			-0.63	1.32	69	192			2.06	6.90	13.22	0.25
Receiving Slab - Ground	11,12	-12.63	10.09			2.12	3.05	41	192			7.20	7.80	13.01	0.25
Receiving Slab - Ground	12,18	21.32	12.08			-0.63	1.32	155	194			-0.51	6.40	12.82	0.24
Receiving Slab - Ground	2,19	10.38	10.18			2.12	3.05	170	194			-0.51	6.40	11.92	0.24
Receiving Slab - Ground	5,20	4.27	9.81			-0.63	1.32	198	195			2.06	6.90	11.13	0.23
Receiving Slab - Ground	9,21	8.26	11.36			-0.63	1.32	249	195			-0.51	6.40	11.52	0.23
Receiving Slab - Ground	10,19	0.43	10.90			2.12	3.05	413	198			7.20	7.80	12.50	0.24
Receiving Slab - Ground	13,15	-3.49	10.66			-0.63	1.32	779	205			4.63	7.36	12.46	0.24
Receiving Slab - Ground	14,20	4.35	11.13			-0.63	1.32	356	197			4.63	7.36	12.12	0.24
Receiving Slab - Ground	16,17	11.60	10.25			-0.63	1.32	48	192			-3.08	5.86	10.72	0.22
Receiving Slab - Ground	17,20	-9.16	8.93			-0.63	1.32	77	192			4.63	7.36	11.03	0.23
Receiving Slab - Ground	15,13	-12.82	8.68			2.12	3.05	177	194			-3.08	5.86	11.88	0.24
B\049 Outside - South Wall	2,3	-17.71	8.33			-0.63	1.32	-71	191			-3.08	5.86		
B\049 Outside - South Wall	4-5,4	-14.04	8.59			2.12	3.05	-179	189			-0.51	6.40		
B\049 Outside - South Wall	6,2	-16.48	8.42			2.12	3.05	-396	185			-5.65	5.27		
B\049 Outside - East Wall	9,1	-31.14	7.28			-0.63	1.32	-93	191			4.63	7.36		

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T005 LOT 7 - Bldg. 049 & Receiving Pad FINAL SURVEY RESULTS

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SAMPLE NAME	GRID NAME	TOTAL	STD DEV	ALPHA (DPM/100CM2)		REM	STD DEV	TOTAL	STD DEV	BETA (DPM/100CM2)		REM	STD DEV	GAMMA (uR/h)	
				MAX	STD DEV					MAX	STD DEV			TOTAL	STD DEV
B\049 Outside - East Wall	11,2	-28.69	7.48			-0.63	1.32	-237	188			2.06	6.90		
B\049 Outside - East Wall	14,2	-22.59	7.96			2.12	3.05	-201	189			2.06	6.90		
B\049 Outside - East Wall	17,3	-20.15	8.15			-0.63	1.32	-100	190			-3.08	5.86		
B\049 Outside - North Wall	1,3	-23.81	7.87			-0.63	1.32	-432	184			-3.08	5.86		
B\049 Outside - North Wall	4,2	-33.58	7.07			-0.63	1.32	-916	174			2.06	6.90		
B\049 Outside - North Wall	6-7,4	-17.71	8.33			-0.63	1.32	-360	185			4.63	7.36		
B\049 Outside - West Wall	8,1	-22.59	7.96			-0.63	1.32	-324	186			12.34	8.60		
B\049 Outside - West Wall	11,2	-26.25	7.67			-0.63	1.32	-165	189			7.20	7.80		
B\049 Outside - West Wall	14,1	-18.93	8.24			4.87	4.11	-230	188			-5.65	5.27		
B\049 Outside - West Wall	18,2	-16.48	8.42			-0.63	1.32	-259	187			-3.08	5.86		
B\793 Outside - West Wall	1,1	-32.36	7.17			2.12	3.05	-1018	175			2.06	6.90		
B\793 Outside - West Wall	4,2	-28.69	7.48			7.62	4.94	-953	176			4.63	7.36		
B\793 Outside - East Wall	2,3	-27.47	7.58			-0.63	1.32	-865	178			-0.51	6.40		
B\793 Outside - East Wall	4,1	-32.36	7.17			-0.63	1.32	-902	177			7.20	7.80		
B\793 Outside - North Wall	1,2	-25.03	7.77			2.12	3.05	-1128	173			4.63	7.36		
B\793 Outside - South Wall	2,2	-31.14	7.28			2.12	3.05	-1252	170			4.63	7.36		
B\049 Inside - Floor	1,2	-35.90	7.79			-0.63	1.32	-101	186			2.06	6.90	12.00	0.24
B\049 Inside - Floor	4,1	-34.65	7.89			-0.63	1.32	96	189			2.06	6.90	12.37	0.24
B\049 Inside - Floor	5,4	-34.65	7.89			-0.63	1.32	-23	187			-3.08	5.86	10.39	0.22
B\049 Inside - Floor	2,5	-34.65	7.89			-0.63	1.32	-52	187			-0.51	6.40	10.77	0.22
B\049 Inside - Floor	4,7	-37.15	7.68			-0.63	1.32	61	189			4.63	7.36	10.49	0.22
B\049 Inside - Floor	1,8	-33.39	7.98			-0.63	1.32	-143	185			-0.51	6.40	11.00	0.23
B\049 Inside - Floor	3,11	-40.91	7.37			-0.63	1.32	19	188			-3.08	5.86	11.31	0.23
B\049 Inside - Floor	6,11	-39.65	7.48			-0.63	1.32	-150	185			-3.08	5.86	11.29	0.23
B\049 Inside - Divider Wall	3,2	-0.83	2.02			-0.63	1.32	299	165			-5.65	5.27		
B\049 Inside - Divider Wall	5,3	-0.83	2.02			-0.63	1.32	328	165			2.06	6.90		
B\049 Inside - West Wall	2,2	-0.83	2.02			-0.63	1.32	-586	176			-8.22	4.60		
B\049 Inside - West Wall	4,2	-0.83	2.02			-0.63	1.32	-684	174			4.63	7.36		
B\049 Inside - West Wall	7,1	-0.83	2.02			2.12	3.05	-649	175			-5.65	5.27		
B\049 Inside - West Wall	11,3	-0.83	2.02			-0.63	1.32	-354	181			-8.22	4.60		
B\049 Inside - North Wall	14,2	1.64	2.67			-0.63	1.32	-628	176			2.06	6.90		
B\049 Inside - North Wall	17,1	0.41	2.37			-0.63	1.32	-593	176			-0.51	6.40		
B\049 Inside - East Wall	2,1	1.64	2.67			2.12	3.05	363	166			2.06	6.90		
B\049 Inside - East Wall	5,2	2.88	2.94			-0.63	1.32	378	166			-3.08	5.86		
B\049 Inside - East Wall	7,2	0.41	2.37			-0.63	1.32	413	167			2.06	6.90		
B\049 Inside - East Wall	11,1	-0.83	2.02			-0.63	1.32	342	166			-3.08	5.86		
B\049 Inside - South Wall	15,3	0.41	2.37			-0.63	1.32	292	164			7.20	7.80		

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T005 LOT 7 - Bldg. 049 & Receiving Pad FINAL SURVEY RESULTS

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SAMPLE	GRID	ALPHA						BETA						GAMMA	
		(DPM/100CM2)						(DPM/100CM2)						(uR/h)	
NAME	NAME	TOTAL	STD DEV	MAX	STD DEV	REM	STD DEV	TOTAL	STD DEV	MAX	STD DEV	REM	STD DEV	TOTAL	STD DEV
BV049 Inside - South Wall	17,2	-0.83	2.02			-0.63	1.32	399	167			-0.51	6.40		
Light Fixture - Top	S-1	-37.15	7.68			-0.63	1.32	-611	188			-5.65	5.27		
Air Vent (Duct) - Top	S-2	-38.40	7.58			-0.63	1.32	-739	186			-0.51	6.40		
Air Vent (Grill)	S-3	-35.90	7.79			-0.63	1.32	-588	189			4.63	7.36		
Air Duct - Bottom	S-4	-40.91	7.37			-0.63	1.32	-777	185			-5.65	5.27		
Maximum:		21.32	12.08			7.62	4.94	779.16	204.98			14.91	8.98	13.22	0.25
Minimum:		-40.91	2.02			-0.63	1.32	-1251.95	164.48			-8.22	4.60	10.39	0.22
Average:		-15.50	7.76			0.13	1.77	-110.50	186.09			1.47	6.72	12.07	0.24

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T005 LOT 8 - Roof FINAL SURVEY RESULTS

Page 1

SAMPLE NAME	GRID NAME	TOTAL	STD DEV	ALPHA (DPM/100CM2)				TOTAL	STD DEV	BETA (DPM/100CM2)				TOTAL	STD DEV	GAMMA (uR/h)	
				MAX	STD DEV	REM	STD DEV			MAX	STD DEV	REM	STD DEV			TOTAL	STD DEV
East End (Lower Level) - Roof	1,1							417	195					12.13	0.24		
East End (Lower Level) - Roof	1,11							544	197					12.27	0.24		
East End (Lower Level) - Roof	1,25							925	204					12.60	0.24		
East End (Lower Level) - Roof	2,6							565	197					11.47	0.23		
East End (Lower Level) - Roof	2,16							635	198					11.80	0.23		
East End (Lower Level) - Roof	2,28							791	201					11.48	0.23		
East End (Lower Level) - Roof	3,2							706	200					10.91	0.23		
East End (Lower Level) - Roof	3,13							621	198					11.51	0.23		
East End (Lower Level) - Roof	3,23							748	200					11.28	0.23		
East End (Lower Level) - Roof	3,30							706	200					11.13	0.23		
East End (Lower Level) - Roof	4,26							713	200					10.67	0.22		
East End (Lower Level) - Roof	4,17							770	201					11.20	0.23		
East End (Lower Level) - Roof	4,8							565	197					11.29	0.23		
East End (Lower Level) - Roof	5,5							614	198					11.11	0.23		
East End (Lower Level) - Roof	5,13							734	200					11.13	0.23		
East End (Lower Level) - Roof	5,23							508	196					10.44	0.22		
East End (Lower Level) - Roof	6,1							671	199					10.76	0.22		
East End (Lower Level) - Roof	6,28							777	201					10.70	0.22		
East End (Lower Level) - Roof	6,19							445	195					10.85	0.22		
East End (Lower Level) - Roof	6,10							727	200					10.99	0.23		
East End (Lower Level) - Roof	7,3							579	197					10.50	0.22		
East End (Lower Level) - Roof	7,14							685	199					10.18	0.22		
East End (Lower Level) - Roof	7,27							650	199					11.09	0.23		
East End (Lower Level) - Roof	8,3							995	205					10.27	0.22		
East End (Lower Level) - Roof	8,29							883	203					10.73	0.22		
East End (Lower Level) - Roof	8,20							544	197					10.61	0.22		
East End (Lower Level) - Roof	8,9							275	192					10.41	0.22		
East End (Lower Level) - Roof	9,7							537	197					10.19	0.22		
East End (Lower Level) - Roof	9,15							558	197					10.22	0.22		
East End (Lower Level) - Roof	9,25							614	198					10.82	0.22		
East End (Lower Level) - Roof	10,30							875	203					9.67	0.21		
East End (Lower Level) - Roof	10,24							597	202					9.96	0.22		
East End (Lower Level) - Roof	10,6							600	198					9.81	0.21		
East End (Lower Level) - Roof	10,16							812	202					9.96	0.22		
East End (Lower Level) - Roof	11,4							409	194					8.93	0.20		
East End (Lower Level) - Roof	11,13							501	196					8.79	0.20		
East End (Lower Level) - Roof	11,22							554	201					9.07	0.21		
East End (Lower Level) - Roof	11,28							412	198					8.84	0.20		

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T005 LOT 8 - Roof FINAL SURVEY RESULTS

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SAMPLE NAME	GRID NAME	ALPHA (DPM/100CM2)						BETA (DPM/100CM2)						GAMMA (uR/h)	
		TOTAL	STD DEV	MAX	STD DEV	REM	STD DEV	TOTAL	STD DEV	MAX	STD DEV	REM	STD DEV	TOTAL	STD DEV
East End (Lower Level) - Roof	12,21-22							675	203					8.08	0.19
North End - Roof	1,1							483	200					11.47	0.23
North End - Roof	10,1							611	202					11.17	0.23
North End - Roof	29,1							365	202					8.08	0.19
North End - Roof	4,2							597	202					10.75	0.22
North End - Roof	8,2							255	196					11.17	0.23
North End - Roof	26,2							-67	194					8.93	0.20
North End - Roof	2,3							348	197					10.65	0.22
North End - Roof	14,3							932	207					11.22	0.23
North End - Roof	24,3							207	199					10.42	0.22
North End - Roof	5,4							462	199					10.79	0.22
North End - Roof	9,4							1117	211					11.98	0.24
North End - Roof	18,4							589	206					12.02	0.24
North End - Roof	29,4							733	209					9.41	0.21
North End - Roof	11,5							711	204					11.98	0.24
North End - Roof	7,5							454	199					11.69	0.23
North End - Roof	23,5							668	207					11.22	0.23
North End - Roof	6,6							810	205					10.51	0.22
North End - Roof	17,6							769	209					11.89	0.24
North End - Roof	28,6							798	210					10.70	0.22
North End - Roof	15,1							746	204					10.80	0.22
North End - Roof	28-29,7							668	207					10.98	0.23
North End - Roof	21,1							308	201					11.19	0.23
Middle Level - Roof	1,5							691	203					10.64	0.22
Middle Level - Roof	1,14							484	200					10.83	0.22
Middle Level - Roof	1,30							627	202					10.86	0.22
Middle Level - Roof	1,23							541	201					11.29	0.23
Middle Level - Roof	2,27							499	200					11.14	0.23
Middle Level - Roof	2,16							370	198					10.66	0.22
Middle Level - Roof	2,7							527	200					10.50	0.22
Middle Level - Roof	3,2							813	205					10.88	0.22
Middle Level - Roof	3,11							699	203					10.12	0.22
Middle Level - Roof	3,21							599	202					10.84	0.22
Middle Level - Roof	4,29							541	201					11.52	0.23
Middle Level - Roof	4,19							513	200					10.84	0.22
Middle Level - Roof	4,10							349	197					10.92	0.23
Middle Level - Roof	4,1							534	201					10.70	0.22
Middle Level - Roof	5,25							580	204					10.73	0.22

TEMPLATE FOR RADSVRY SPREADSHEET DATA

Data Description

Building 038 GAMMA

Background Survey

for T005 DATA

SAMPLE NAME	GRID NAME	GAMMA TOTAL	GAMMA (uR/h)	
			TOTAL	STD DEV
Front Door (Main Entrance)	1	1706	7.93	0.19
Women's Restroom	2	1719	7.99	0.19
Inside Large Conference Roor	3	1904	8.85	0.20
Inside Large Conference Roor	4	1953	9.08	0.21
Outside Office Rm 156/133	5	1723	8.01	0.19
Inside Exec. Conference Roor	6	1822	8.47	0.20
Inside Exec. Conference Roor	7	1769	8.23	0.20
Hallway	8	1584	7.37	0.19
Outside Rm 146a/143a	9	1803	8.38	0.20
Inside Rm 136	10	1767	8.22	0.20
Inside Rm 120	11	1632	7.59	0.19
Inside Rm 120	12	1616	7.51	0.19
Inside Rm 117	13	1748	8.13	0.19
Inside North Exit	14	1704	7.92	0.19
Inside Small Conference Roor	15	1751	8.14	0.19
Gaylord's Office Rm 111b	16	1701	7.91	0.19
Gibb's Office Rm 102a	17	1711	7.96	0.19
DeBear's Office Rm 102b	18	1655	7.70	0.19
Hallway Outside Rm 105	19	1738	8.08	0.19
Hallway Outside Lg. Conf. Rm	20	1838	8.55	0.20
Inside Rm 171	21	1701	7.91	0.19
Inside Rm 172	22	1699	7.90	0.19
Inside Rm 174	23	1744	8.11	0.19
Inside Rm 174	24	1618	7.52	0.19
Inside Rm 174	25	1702	7.91	0.19
Outside Men's Restroom	26	1731	8.05	0.19
Outside Rm 152	27	1727	8.03	0.19
Hallway	28	1705	7.93	0.19
Outside Rm 139	29	1838	8.55	0.20
Outside Vault	30	1935	9.00	0.20
South Exit	31	1800	8.37	0.20

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DATA> Maximum 1953.00 9.08

DATA> Minimum 1584.00 7.37

DATA> Average 1741.47 8.10