Westinghouse Electric Corporation
Nuclear Manufacturing Divisions

RS 93-040

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

Attention: Mr. C. T. Oberg

Subject: Eighth Submittal of Reports Concerning
Termination of License Number SNM-951 (Docket 70-997)

The Westinghouse Electric Corporation is preparing to request the termination of USNRC License Number SNM-951 (Docket 70-997) for the site located in Large, Pennsylvania. Enclosed is one report which provides a summary of the information contained in the previously submitted reports. Attached is Table 1 which lists the titles of the reports which have been and are being submitted. One additional report is being prepared for submittal which will be a certification on the disposition of all licensed material. Upon submittal of the last report, Westinghouse will formally request termination of the licer e.

If you have any questions concerning the attached information, please contact me at the above address or by telephone on 412-374-4652.

Very truly yours,

A. J. Nardi, Manager
Regulatory Services

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Enclosures

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TABLE 1

INDEX OF LICENSE TERMINATION REPORTS BY REPORT NUMBER

		Date Submitted
REPORT #001	EVALUATION OF RADIATION DOSIMETERS DISTRIBUTED ON THE SITE, NOVEMBER 2, 1992	1/11/93
REPORT #002	REMOVAL OF THE MONITORED DRAIN LINE SYSTEM, NOVEMBER 24, 1992	1/11/93
REPORT #003	EVALUATION OF PORTIONS OF MONITORED DRAIN LINE SYSTEM ABANDONED IN PLACE, NOVEMBER 24, 1992	1/11/93
REPORT #004	DETERMINATION OF RADIOLOGICAL SURVEY ACCEPTANCE CRITERIA FOR LICENSE TERMINATION SURVEYS, DECEMBER 1, 1992	1/11/93
REPORT #005	FINAL RADIOLOGICAL SURVEY OF INCINERATOR BUILDING, DECEMBER 11, 1992	1/11/93
REPORT #006	PRELIMINARY SURVEY OF SELECTED SITE BUILDINGS, DECEMBER 7, 1992	1/11/93
REPORT #007	DETERMINATION OF SITE BACKGROUND VALUES FOR RADIOLOGICAL MEASUREMENTS, DECEMBER 18, 1992	2/12/93
REPORT #008	FINAL RADIOLOGICAL SURVEY OF PIT BEHIND BUILDING 5, JANUARY 6, 1993	2/12/93
REPORT #009	GENERAL INFORMATION RELATIVE TO RADIOLOGICAL SURVEYS OF BUILDINGS, JANUARY 6, 1993	2/12/93
REPORT #010	FINAL RADIOLOGICAL SURVEY OF PIPE CHASES WITHIN BUILDING NUMBER 9, JANUARY 6, 1993	2/12/93

TABLE 1 (CONTINUED)

REPORT #011	FINAL RADIOLOGICAL SURVEY OF BUILDING NO. 8, (SURVEY SECTION 28E), JANUARY 26, 1993	2/24/93
REPORT #012	FINAL RADIOLOGICAL SURVEY OF THE FIRST FLOOR OF BUILDING NO. 7, (SURVEY SECTION 7), JANUARY 29, 1993	2/24/93
REPORT #013	FINAL RADIOLOGICAL SURVEY OF BUILDING NO. 7, SECOND FLOOR, (SURVEY SECTION 28D), FEBRUARY 4, 1993	2/24/93
REPORT #014	FINAL RADIOLOGICAL SURVEY OF BUILDING NO. 6A, (SURVEY SECTION 6), FEBRUARY 9, 1993	2/24/93
REPORT #015	FINAL RADIOLOGICAL SURVEY OF THE BASEMENT OF BUILDING NO. 4, (SURVEY SECTION 14), FEBRUARY 16, 1993	2/24/93
REPORT #016	FINAL RADIOLOGICAL SURVEY OF THE PIT IN BUILDING NO. 9, (SURVEY SECTION 9), MARCH 10, 1993	4/16/93
REPORT #017	FINAL RADIOLOGICAL SURVEY OF THE FIRST FLOOR OF BUILDING NO. 6, (SURVEY SECTION 4), MARCH 11, 1993	4/16/93
REPORT #018	FINAL RADIOLOGICAL SURVEY OF BUILDING NO. 11, (SURVEY SECTION 28I), MARCH 15, 1993	4/16/93
REPORT #019	FINAL RADIOLOGICAL SURVEY OF THE SECOND FLOOR OF BUILDING NO. 6, (SURVEY SECTION 5), MARCH 15, 1993	4/16/93
REPORT #020	FINAL RADIOLOGICAL SURVEY OF THE FIRST FLOOR OF BUILDING NO. 9, (SURVEY SECTION 10), MARCH 17, 1993	4/16/93
REPORT #021	FINAL RADIOLOGICAL SURVEY OF BUILDING NO. 10, (SURVEY SECTION 28H), MARCH 17, 1993	4/30/93
REPORT #022	FINAL RADIOLOGICAL SURVEY OF THE SECOND FLOOR OF BUILDING NO. 9, (SURVEY SECTION 28G), MARCH 17, 1993	4/16/93

TABLE 1 (CONTINUED)

REPORT #023	FINAL RADIOLOGICAL SURVEY OF THE SECOND FLOOR OF BUILDING NO. 5, (SURVEY SECTION 2), MARCH 30, 1993	4/16/93
REPORT #024	FINAL RADIOLOGICAL SURVEY OF THE THIRD FLOOR OF BUILDING NO. 5, (SURVEY SECTION 3), MARCH 31, 1993	4/16/93
REPORT #025	FINAL RADIOLOGICAL SURVEY OF THE FIRST AND SECOND FLOORS OF BUILDING NO. 4, (SURVEY SECTION 28A), APRIL 1, 1993	4/30/93
REPORT #026	FINAL RADIOLOGICAL SURVEY OF BUILDING NO. 5A, (SURVEY SECTION 28C), APRIL 5, 1993	4/30/93
REPORT #027	FINAL RADIOLOGICAL SURVEY OF THE FIRST FLOOR OF BUILDING NO. 12, (SURVEY SECTION 16) APRIL 5, 1993	4/30/93
REPORT #028	FINAL RADIOLOGICAL SURVEY OF THE SECOND FLOOR OF BUILDING NO. 12, (SURVEY SECTION 28L), APRIL 7, 1993	4/30/93
REPORT #029	FINAL RADIOLOGICAL SURVEY OF THE THIRD FLOOR OF BUILDING NO. 4, (SURVEY SECTION 15), APRIL 7, 1993	4/30/93
REPORT #030	FINAL RADIOLOGICAL SURVEY OF THE FOURTH FLOOR OF BUILDING NO. 5, (SURVEY SECTION 28B), APRIL 8, 1993	4/30/93
REPORT #031	FINAL BUILDING SURVEY OF THE FIREHALL, (SURVEY SECTION 28J), APRIL 8, 1993	4/30/93
REPORT #032	FINAL RADIOLOGICAL SURVEY OF THE SECOND FLOOR OF BUILDING NO. 8A, (SURVEY SECTION 28F), APRIL 8, 1993	4/30/93
REPORT #033	FINAL RADIOLOGICAL SURVEY OF THE HYDROGEN FACILITY, (SURVEY SECTION 11), MAY 10, 1993	5/14/93

TABLE 1 (CONTINUED)

REPORT #034	FINAL RADIOLOGICAL SURVEY OF THE FIRST FLOOR OF BUILDING NO. 5, (SURVEY SECTION 1), APRIL 20, 1993	4/30/93
REPORT #035	FINAL RADIOLOGICAL SURVEY OF THE FIRST FLOOR OF BUILDING NO. 8A, (SURVEY SECTION 8), MAY 5, 1993	5/14/93
REPORT #036	CALIBRATION RECORDS FOR INSTRUMENTS USED FOR RADIOLOGICAL SURVEYS, APRIL 22, 1993	5/14/93
REPORT #037	TECHNICAL DESCRIPTION OF INSTRUMENTS USED FOR RADIOLOGICAL SURVEYS, APRIL 30, 1993	5/14/93
REPORT #038	FINAL RADIOLOGICAL SURVEY OF THE BUILDING ROOFS, (SURVEY SECTION 29), JUNE 1, 1993	7/9/93
REPORT #039	FINAL RADIOLOGICAL SURVEY OF THE SITE GROUNDS, (SURVEY SECTION 30), JUNE 2, 1993	7/9/93
REPORT #040	RADIOLOGICAL SURVEY OF STREAMS ADJACENT TO THE SITE, (SURVEY SECTION 31)	7/9/93
REPORT #041	FINAL RADIOLOGICAL SURVEY OF THE STORM DRAIN SYSTEM ON THE SITE, (SURVEY SECTION 32), JUNE 8, 1993	7/9/93
REPORT #042	SUMMARY REPORT ON INFORMATION RELEVANT TO TERMINATION OF LICENSE NUMBER SNM 951, JULY 9, 1993	7/20/93
REPORT #043	DISPOSITION OF LICENSED MATERIAL	TO BE SUBMITTED

LICENSE TERMINATION REPORT

USNRC LICENSE NO. SNM-951

SUMMARY REPORT ON INFORMATION RELEVANT TO TERMINATION OF LICENSE NUMBER SNM-951

JULY 9, 1993

WESTINGHOUSE ELECTRIC CORPORATION

LARGE, PA

Report #042

SUMMARY REPORT ON INFORMATION RELEVANT TO TERMINATION

OF LICENSE NUMBER SNM-951

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OF LICENSE NUMBER SNM-951

1.0 BACKGROUND INFORMATION

1.1 Purpose

The Westinghouse Electric Corporation is preparing to request the termination of USNRC License Number SNM-951 for the site located in Large, PA. This report is one of a series of reports that presents the necessary information to establish that the site meets all applicable regulatory requirements so that the license can be terminated by the United States Nuclear Regulatory Commission.

1.2 Scope

This report provides an overall summary of the license termination project and final survey. Other reports have been prepared which provide specific information in detail. References are made throughout this report in order to provide a "roadmap" to all relevant information. Where appropriate, sufficient information is included in this report to provide a document which presents a complete overview of the final status of the site. The individual reports provide the detailed documentation necessary to justify the information contained herein.

1.3 Site History

The Westinghouse site in Large, Pennsylvania, has an extensive history of varied operations. Currently the site is leased by Westinghouse and owned by Dick Corporation. The site itself dates back to the early years of the 19th century when the product of the site was whiskey. This product, Large Monongahela Pure Rye Whiskey, started the historic whiskey rebellion. Portions of some of these early buildings still exist on the site. Bottling operations continued up until 1952. During the 1950's, Westinghouse took over the site as the Clairton site for the Bettis operations. Bettis located the Atomic Apparatus Department, Personnel, Accounting, Purchasing and Model Shop at the site. The converted warehouses were used to develop and test special reactor components as part of the Navy Nuclear Submarine Program (S1W).

In 1959, Westinghouse established the Astronuclear Laboratory as part of the NERVA (Nuclear Engine for Rocket Vehicle Application) Program and by late 1961, the program moved to the Large Site. Operations continued until the late 1960's and by about 1972, this work had been completed and the process areas had been decommissioned. The fuel for this program was highly enriched uranium and this project represents the major use of radioactive material on the site.

While the site has participated in a large number of different programs, others which used radioactive material included:

- o SNAP 23A Isotope Powered Power Generation System - used encapsulated SR-90 isotope.
- o Artificial Heart-Blood Pump - used encapsulated Pu-238 isotope.
- o Heat Source Demonstration Project - used encapsulated Co-60 isotope.

During the late 1970's through the 1980's, use of radioactive material on the site was very limited. In late 1991, the decision was made to terminate the USNRC license on the site. The initial efforts were directed towards removal of the Monitored Drain Line System. This effort was successfully completed by late that year. Preliminary surveys of the buildings were conducted early in 1992 and the final survey of the buildings and grounds was completed by June, 1993.

1.4 Compilation of Reports

This report is one of a number of reports that have been compiled to document all information necessary to justify the termination of the site license. Table 1 provides an Index of all the reports in the order of the report number. Table 2 provides a listing which is grouped by categories in order to provide a cross reference to other information. A filing system was established at the start of the project to identify specific sections of the site. Table 3 provides the breakdown of the survey file sections.

2.0 SITE INFORMATION

2.1 Site Description

The Westinghouse Site is located in Large, Pennsylvania. Figure 1 provides a topographic map of the area around the site. Figure 2 provides a general area plot plan which shows the nearby highways and streams. Buildings Number 1 and 2 on this figure were originally a part of the Westinghouse site, but were previously removed from the license by a license amendment. Figure 3 provides the site plot plan which identifies the building on the site. Specific building floor plans are provided in the individual reports which document the final radiological survey data. A general compilation of building floor plans is included as Appendix A to Report #009, however in many cases those floor plans had to be corrected to reflect the actual layout during the final surveys.

Pennsylvania State Route 51 runs along one side of the site. Two streams, Lewis Run and Peters Creek run along the edge of the site. The site is generally level with a slight downward slope towards Peters Creek. Behind the buildings is a steep embankment which rises well above the height of all the buildings.

Over the years there have been varied operations conducted on the site, of which only a limited number involved the use of licensed material. Report #009 provides information on those portions of each building which used licensed material and in what form. Table 4 provides the floor area for each of the buildings on the site. There is nearly 25,000 square meters of building floor area which were included in the building surveys conducted. The area of the site grounds surveyed is nearly 50,000 square meters. The total site area included in the overall surveys is approximately 16 acres, of which 12.3 acres is the site grounds and 3.7 acres is occupied by buildings.

2.2 Site Conditions at Time of License Termination Survey

Because there had been only a very limited use of licensed material over an extended period of time, the buildings on the site did not require any significant decontamination effort. At the end of the major project (NERVA program) that used licensed material, each of the process areas were decontaminated and all contaminated equipment removed. This work was completed in the early 1970's. A monitored drain line system of underground piping and tanks located in below grade pits were removed as part of this license termination project. Information regarding the removal of this monitored drain line system is provided in Reports Numbered 002 and 003 in this series.

During the conduct of the survey and investigation of the site, some residual contamination was identified in the pipe chases in the floor of the first floor level of Building 9 (See Report #010) and a portion of the storm sewer system located under the process buildings (See Report #041). A few other isolated locations of fixed surface contamination were identified and decontaminated. In all cases, the efforts required to decontaminate each of the areas identified was successful.

2.3 Identity of Potential Contaminates

The major use of unencapsulated radioactive material on the site was highly enriched uranium used for the NERVA project. Report #004 provides information on the composition of the uranium found in the water collection tanks which were part of the monitored drain line system. Throughout this license termination project, the only significant radioactive contaminant identified was enriched uranium. Naturally occurring uranium and thorium were identified in some of the building materials and the brick lining of the site incinerator.

2.4 Radiological Survey Acceptance Criteria

Table 5 provides the Radiological Acceptance Criteria which were established for this project. The basis and justification for the selection of these values is provided in Report #004.

3.0 LICENSE TERMINATION SURVEY OVERVIEW

3.1 Survey Objectives

The purpose of the license termination survey was to demonstrate that the radiological conditions of the Large Site satisfy the NRC guidelines and that the site can, therefore, be released from licensing restrictions for future use without radiological controls. The specific objectives of the survey were to show that:

A. Surface Activity of Buildings and Structures

- Average surface activity levels (total of fixed and removable activity) are at or below guideline values established as acceptable by NRC.

- Reasonable efforts have been made to identify, evaluate and remove, if necessary, areas of residual activity exceeding the guideline value. Elevated areas may be acceptable, provided the activity levels are less than three times the guideline values, when averaged over a surface region of 100 cm^2, and provided the average level within a 1 m^2 area containing the elevated area is within the guideline value.

- Reasonable efforts have been made to clean up removable activity and removable activity in any 100 cm^2 area does not exceed 20% of the average surface activity values.

B. Volume Activity of Soil and Building Materials

- Average radionuclide concentrations are at or below guideline values, established as acceptable by the NRC. For land areas, averaging is based on a 100 m^2 (10 m x 10 m) grid area.

- Reasonable efforts have been made to identify, evaluate and remove, if necessary, areas of residual activity exceeding the guideline values. Areas of residual activity exceeding the guideline value, known as elevated areas, may be acceptable, provided they do not exceed the guideline value by greater than a factor of $(100/A)^{1/2}$, where A is the area of residual activity in m^2, and provided the activity level at any location does not exceed three times the guideline value.

C. Exposure Rate

- Exposure rates do not exceed 5 micro R/h above background at 1 m above the surface. Exposure rates may be averaged over a 100 m^2 grid area. Maximum exposure rates over any discrete area may not exceed 10 micro R/h above background.

The objective of the survey was to demonstrate at a 95% minimum level of confidence, that the above conditions have been met. For the purpose of this demonstration, each survey unit has been independently evaluated.

3.2 Instrumentation

Tables 6, 7 and 8 list the instrumentation used for survey activities, along with parameters and detection sensitivities for the instrumentation and survey techniques. The combination of instrumentation and techniques was chosen to provide a minimum detectable activity that is as low as reasonable and generally less than 25% of the applicable radiological acceptance criteria. Additional information regarding the instrumentation is provided in the following reports:

Report #009 - General Information Relative to Radiological Surveys of Buildings

Report #036 - Calibration Records for Instruments Used for Radiological Surveys

Report #037 - Technical Description of Instruments Used for Radiological Surveys

Operational and background checks were performed at least once each 4 hours of instrument use.

3.3 Survey Procedures

Survey planning and procedures were developed using the "Manual for Conducting Radiological Surveys in Support of License Termination," NUREG/CR-5849 as a basis.

3.3.1 Area Classification

For purposes of establishing the sampling and measurement frequency, the site buildings were divided into a classification system as described in Table 9. Since there was no known potential contamination external to the buildings, the building roofs, site grounds and adjacent streams were each treated as separate units and were not broken down in any further classification scheme.

Based on the historical review of operations conducted in each building, each area of a building was assigned an appropriate classification. Report #009 provides floor plans for each building with the appropriate classification indicated for all areas.

3.3.2 System for Identification of Survey Point Locations

In order to assure that it would be possible to return to the location of every radiological survey point, a system was established which provided and documented the necessary information. In summary, every survey point was documented in the following form:

AAA-BBB-CCC-Description-XX-YY

Where:

AAA = Section Identifier which specifically locates the area by building and floor. See Table 3 for this breakdown.

BBB = Survey Unit Identifier. Each section was divided into smaller survey units. These units were selected on the basis of being essentially uniform with respect for the potential for contamination. Each survey unit consisted of areas which were all of the same classification presented in Table 9.

CCC = Survey Subunit Identifier. In most cases a survey unit included multiple rooms. A subunit identification was used to uniquely identify the area down to the specific area.

Description = Specific surfaces were identified such as:

Floor
Ceiling
West Wall
East Wall
North Wall
South Wall
Light Fixture
Beam Surface
etc.

XX = This value is the distance in the X direction from the established point of origin for the surface. Values are in meters.

YY = This value is the distance in the Y direction from the established point of origin for the surface. Values are in meters.

The point of origin for every surface has been established as the following:

1) For floors and ceilings, the point of origin is the northwest corner of the surface. See Figure 3 for the established direction of north with respect to the building layout.

2) For vertical surfaces, the point of origin is the upper left hand corner of the surface.

In each case the X and Y dimensions are given the same signs as the standard cartesian coordinate system. Therefore, normally the value of X will be positive and the value of Y will be negative. In some cases where the surface is irregular in shape, the signs for X and Y for some points may be different from the normal. As appropriate, drawings were included with the survey data.

3.3.3 Survey Protocol

Tables 10 and 11 provide the survey protocol and survey descriptions utilized for the license termination surveys.

3.4 Determination of Site Background Radiation Levels

Measurements and samples were taken to determine background levels of radiation both interior and exterior to the buildings. Report #007 provides detailed information regarding these determinations including:

1) Procedure for taking measurements and samples.
2) Locations for each measurement and sample.
3) Results obtained.
4) Analysis of data.

The results of the background determinations are presented in Tables 12, 13 and 14 for instrument measurements, gamma spectrometry of soil samples and alpha spectrometry of soil samples respectively.

3.5 Data Interpretation and Statistical Analysis

Data conversions and evaluations were performed following the guidance in NUREG/CR-5849, "Manual for Conducting Radiological Surveys in Support of License Termination." Sample calculations for data and statistical analysis conversions are provided in Appendix A. Measurement data were converted to appropriate units for comparison with the applicable radiological acceptance criteria. Table 15 provides a summary of the type of measurements, the units for the measurement made, the converted units and the units for the radiological acceptance criteria.

All the radiological survey data for similar surfaces within a survey unit was pooled to perform a statistical analysis of the data for comparison against the radiological acceptance criteria. The result of this comparison was an evaluation of whether the data supports the conclusion that the acceptance criteria have been met at a specified level of confidence. The statistical approach used is that given in NUREG/CR-5849.

In summary, the following steps were taken for the statistical analysis:

1) Calculate the mean for the data.

2) Calculate the standard deviation for the data.

3) Calculate the "Data Test Parameter" using Equation 8-13 of NUREG/CR-5849. This calculation uses Table B-1 of Appendix B of the report.

4) Compare the "Data Test Parameter" with the appropriate Acceptance Criteria. If the "Data Test Parameter" is less than the Acceptance Criteria then the limit has been met at the 95% Confidence Level.

5) Calculate the "Number of Samples Factor" using the equation given at the top of Table B-2 in Appendix B of NUREG/CR-5849.

6) Using Table B-2 determine the number of samples that would be required to demonstrate compliance at the desired level of confidence. If this number is less than the number of sample points that have already been taken, then no further samples were required.

7) If the statistical analysis does not demonstrate that the Acceptance Criteria has been met at the desired degree of confidence level, additional steps were taken depending on the specific situation such as:

    a) Taking additional samples.

    b) Remediation of the area and resampling.

The above referenced portions of NUREG/CR-5849 were included as Appendices B, C and D of Report #009, "General Information Relative to Radiological Surveys of Buildings."

The calculation of "standard deviation" used throughout this project is not consistent with the equation given in NUREG/CR-5849 for this parameter. Appendix B provides a discussion of this difference.

4.0 SUMMARY OF SURVEY RESULTS

4.1 TLD Monitoring Of Site

Report #001, "Evaluation of Radiation Dosimeters Distributed On The Site," provides the results obtained from the placement of 170 Environment/Low Level Dosimeters on the site for a period of three months to measure low levels of gamma radiation within and without the buildings on the site. Based on the measurements presented in the report, the average radiation level is 13.6 microRem/hour inside the buildings (149 measurement points) and 14.8 microRem/hour outside the buildings (20 measurement points). Fifteen dosimeters were stored in a controlled location during the measurement period. The results for these controls was 13.3 microRem/hour. Based on the statistical analysis of the measurements, the following conclusions were reached:

1) There is no significant difference between the average radiation levels measured in any of the buildings on the site.

2) The data satisfies the acceptance criteria at the 95% confidence level for the site. The acceptance criteria for such measurements is that the radiation level is less than 5 micro R/hour above the site background values. Two dosimeter measurements did exceed that acceptance criteria. Subsequent measurements using portable survey instruments noted that these two dosimeters were located near old brick walls which do exhibit elevated radiation levels apparently due to the presence of naturally occurring radioactive material.

4.2 Preliminary Site Surveys

Report #006, "Preliminary Surveys of Selected Site Buildings", documents information collected during an initial survey of the site. The intention of the survey was to collect preliminary information on building areas that had the highest potential for contamination based on the history of prior use. The preliminary survey was limited to measurements of both removable activity and total activity for both alpha and beta/gamma radiation. There were 1044 individual locations (3870 instrument or swipe measurements) included in the survey. With only a few exceptions, all of the results were less than the minimum detectable activity for the specific measurement. No statistical evaluation of this data was performed. The preliminary survey data indicated that the buildings surveyed met the radiological acceptance criteria without any cleanup action (See Table 16). However, it was not intended that this survey information would serve as final documentation to demonstrate that acceptance criteria for termination of the license had been met. Based on the results of this preliminary survey, a survey protocol was developed and improvements were made in the instrumentation selected and measurement techniques utilized.

4.3 Monitored Drain Line System

Report #002, "Removal of the Monitored Drain Line System", provides a description of the effort undertaken to remove all of the installed piping, tanks and other equipment which made up this site wide suspect water collection system. Most of the piping was buried. The tanks and other equipment were located in two pits; one behind Building 5 and one in Building 9. The report presents the results of the radiological surveys and soil samples taken following the removal of the buried piping to demonstrate that the excavated areas met the applicable criteria prior to backfilling. Table 17 presents a statistical summary of the soil sample data. Over 1200 gamma radiation measurements were also made as a comparative guide to determine if there were local variations that might warrant taking a soil sample for analysis. No statistical analysis is presented for those gamma radiation measurements.

Several sections of the Monitored Drain Line System were left in place. Report #003 provides a description of those sections left in place along with measurements made and rational for doing so. In each case, the piping left in place was found to not be contaminated and the cost of removing it was not warranted.

4.4 Building and Building Roof Surveys

Table 1 provides a listing of all of the reports which were issued. Within that list are 29 reports which present final radiological survey data for the several buildings on the site. This information is organized by "survey sections" which are defined in Table 3. This report will only provide a summary of the measurement data presented in those 29 reports. Refer to a specific report for the complete survey data information.

Floor Scans

Table 18 provides a summary of all the floor scan measurements made of large areas of floor. Such measurements were sufficiently sensitive to identify several small areas which showed elevated beta radiation activity. Each area identified was remediated and resurveyed as appropriate. Section 4-10 of this report provides additional information on such areas. All of the individual measurements are within the acceptance criteria.

Other Measurements

In addition to the floor scans, a series of other measurements were made in accordance with the survey protocol (Tables 10 and 11) at specific points on both the upper and lower surfaces of interior building surfaces and on the building roofs. These measurements included:

1) Instrument scan for total beta activity of the vicinity (approximately one square meter) of the selected point and recording both the maximum and average reading.

2) Fixed point measurements for both total alpha and total beta activity at the survey point.

3) Swipe test measurements for both removable alpha and beta activity at the survey point.

4) Beta/gamma dose rate measurement on contact with the surface at the survey point.

5) Gamma dose rate at one meter above the surface of the survey point.

The specific results for each of these measurements is provided in the report prepared for each survey unit. Summaries of the results are provided in Tables 19 through 22 inclusive. Table 23 provides a summary description of the defined survey units and Table 24 provides an overall summary of the survey measurements for all the buildings and building roofs. Following is a general discussion of the information presented in Tables 19 through 24 inclusive.

Table 19 - Summary of Survey Results for Buildings and Building Roofs

This table provides a listing of the maximum, minimum, and average value plus the standard deviation of the average for all of the survey sections. The results are grouped by type of survey to make direct comparison of the results between survey sections easy. In addition, the report states the applicable radiological acceptance criteria, the applicable measurement units and provides a reference to the report from which each line of summary data was obtained.

Table 20 - Comparison of Average Results With MDA Values

This table provides the same average values reported in Table 19, but also compares the average measurement values obtained with the MDA values established for that type of measurement (see Report #009). Since these are average values and different instruments were often used to make specific measurements, two values of the MDA are listed in the report to reflect a high and low value for the MDA associated with that measurement. Comparison ratios are presented of the average to both the high and low MDA values. Where the ratio is greater than one it indicates that the average value obtained is greater than that minimum detectable value. It would be necessary to refer back to the referenced report for a discussion of the specific results. In most cases, elevated radiation readings were found to be due to the presence of naturally occurring radioactive material. Later sections of this report discuss such elevated readings.

Table 21 - Comparison of Maximum Results With MDA Values

This table is the same as Table 20 except that the maximum value obtained for a Survey Section and Unit is used as the value for comparison rather than the average value. All other comments apply.

Table 22 - Comparison of Maximum Results Against Acceptance Criteria

This table provides a comparison of the maximum measurement value obtained in all of the Survey Sections and Units against the applicable Radiological Acceptance Criteria. Only the reported values of the gamma dose rate at one meter above the surface exceeded the established acceptance criteria for the site. In each of these cases, this was due to the presence of naturally occurring radioactive material. It would be necessary to refer back to the referenced report for a discussion of the specific results.

Table 23 - Description of Survey Sections and Units

This table provides a listing of each of the Survey Sections and Units for which survey results have been reported. Reference is made to the appropriate report for the specific results. Also provided is the survey classification that had been assigned to that specific survey section and unit. The description of the survey classification scheme is presented in Table 9.

Table 24 - Summary of Building and Building Roof Survey Results for the Entire Site

This table summarizes the results of Table 19 a further step by presenting the average results for the entire site. In this table, weighted values are calculated for the average and standard deviations for each type of measurement. The weighing factor was the number of survey points for each line of data in Table 19. Comparison information is also provided with the background radiation level for the site (see Report #007), the Minimum Detectable Activity (see Report #009), and the Radiological Acceptance Criteria (see Report #004). For this table, the MDA is based on that instrument for which the bulk of the measurements were made.

The conclusion stated in each of the reports is that the specific area surveyed meets the radiological acceptance criteria at the desired degree of confidence and can be released for unrestricted use. This report provides a summary compilation of all of the buildings and building roofs surveys. This demonstrates that all areas have been surveyed and meet the acceptance criteria at the desired degree of confidence. Table 24 shows that the weighted average results for the entire site are all less than the minimum detectable activity. A discussion is presented later in this report for those areas which indicated elevated radiation levels.

4.5 Building Roof Material Samples

In addition to the roof surveys discussed above, Report #038 provides information on the analytical analysis of roofing material samples taken at nine locations. The

selection of these sample locations was based on the results of the surveys and was biased to select those locations which had indicated high total beta activity results. Table 25 presents the results of the analytical analysis for the nine locations. At each location, the sample was separated into two components: 1) the roof gravel and 2) the roofing material. The elevated radiation levels noted in the roof surveys are apparently due to the presence of naturally occurring radioactive material present in the slag material used as roof gravel.

4.6 Site Grounds Surveys

Report #039 provides the results of the surveys conducted of the site grounds. One small area of the site, a portion of the east parking lot, had been used as a storage area for drums of radioactive waste awaiting shipment for disposal. A special investigation was conducted for this area consisting of:

1) Location of the original area using photographs and two remaining landmarks.

2) Selection of 23 sample locations which represented a higher potential for contamination.

3) Removal of the existing paving material at the 23 selected locations to expose the underlying material.

4) Radiological surveys of the exposed underlying material.

Table 26 presents the results of the radiological instrument surveys at the 23 locations. Table 27 presents the analytical results for the 12 soil samples taken. Figure 4 provides information on the location and size of the sample points. The analytical results indicated that one location exceeded the acceptance criteria value of 30 pCi total uranium per gram of material. It is not clear if this result is due to the presence of naturally occurring radioactive material, but if that sample is averaged with the results for three other sample locations within a 100 square meter area, the average results meet the radiological acceptance criteria and the individual result does not exceed three times the acceptance criteria. See Report #039 for additional information.

All of the site grounds, external to the buildings, were included in a survey program using gamma survey instruments. The details of this survey program, the presentation of the survey data, and the analysis of the results is presented in Report #039. The results of the gamma survey, along with the knowledge of the traffic patterns and low points, was used as the basis for a biased selection of 65 locations for more detailed surveys of 10 meter by 10 meter areas. Thirty-three of the selected locations were paved areas and thirty-four locations were unpaved areas where soil samples were taken in addition to the instrument surveys. Figure 5 shows a site plot plan with 17 areas designated. These 17 areas provide the basis for establishing the location of each of the survey points selected. Table 28 provides a description of each of the areas, the approximate size of the area, and the "point-of-origin" for the grid. Each sample point location is defined by stating the area number and the x and y coordinates (in meters) from the point-of-origin for

that area. Table 29 presents the radiological survey data for all the sample locations which were paved. Table 30 presents the radiological survey data for all the sample locations which were unpaved and Table 31 presents the analytical results for the soil samples taken at each of the unpaved locations.

The statistical analysis of the radiological data presented for (see Report #039 for complete information) the current condition of the site grounds, meets all of the radiological acceptance criteria at the 95% confidence level. Therefore the site grounds can be released for unrestricted use.

4.7 Site Storm Drain Surveys

Report #041 documents the results of the final radiological survey of the storm drain system on the site. The storm drain system survey included the surface catch basins on the site and three large catch basins under Buildings 5, 6 and 8 on the site. The report includes a discussion of the activities conducted to remove accumulated sediment from the storm drain piping and large catch basins under the process buildings. The storm drains discharge into the two streams adjacent to the site.

Figure 6 presents a schematic drawing of the major elements of the storm drain system. There are three separate storm drain systems:

1) A storm drain system which collects surface water from the area in from the area in front of Building 4 and discharges into Lewis Run.

2) A storm drain system which collects surface water from the road and area between the buildings and discharges into Peters Creek.

3) A storm drain system which runs beneath the majority of the process buildings and discharge into Peters Creek. All of the discharges from the Monitored Drain Line system (see Report #002) were directed into this portion of the storm drain. Also a number of floor drains within Buildings 5 through 9 were found to be directed into this portion of the system. (See Report #010).

Figure 8 shows the location of 22 surface catch basins on the site which are connected to the various portions of the storm drain system.

Some of the buildings on the site are remnants of the period during the 1800's when the site operated as a whiskey distillery. Building 5, 6 and 8 are included in this category. The storm drain system under each of these three buildings consists of a long catch basin (sometimes referred to as a chamber or vault) that spans the width of each building. Each basin is large enough to physically enter. Figure 7 provides a cross sectional view of each of these three catch basins.

The main storm drain line under the process buildings was cleaned to remove all accumulated sediment. Report #041 provides additional information regarding the cleanout effort along with the analytical results for the collected sediment. The average activity of the drums of collected sediment was 30.3 pCi of total uranium per gram of sediment based on alpha spectrometry results.

A limited radiological survey was made for each of the three large catch basins under Buildings 5, 6 and 8. It was not possible to completely stop the flow of water into each of these structures and therefore the survey was limited to the following elements:

1) The gamma dose rate at one meter above the floor.

2) Gamma count rate using the Eberline Model PRS-1 survey instrument with a NaI probe. This measurement is for comparative purposes only since the results cannot be directly compared against the acceptance criteria.

3) Beta scans of the floor surfaces for an area of about one square meter around the survey point. Both the maximum and average cpm readings were recorded. Because of the wet conditions, an Eberline Model E-520 with a GM pancake probe was used for these measurements. This selection did not permit making integrated measurements over a one minute period for total fixed activity.

4) Swipe samples were taken and analyzed for removable alpha and beta activity.

Table 32 presents the radiological survey data for the three catch basins beneath Buildings 5, 6 and 8 with all the results converted, as appropriate, to the units necessary for comparison against the radiological acceptance criteria. A statistical analysis is included at the end of the table to determine if the acceptance criteria have been met at the desired degree of confidence.

Sediment samples were taken from the 22 surface catch basins shown on Figure 8 for analysis. The results for the alpha and gamma spectrometry analysis of these samples is presented in Table 33. A statistical analysis is included at the end of the table to determine if the acceptance criteria have been met at the desired degree of confidence. Also included for comparison purposes in this table are the results obtained (see Report #007) for background soil samples. A comparison of these results indicates that there is no obvious difference between the sediment samples taken from the surface catch basins and the background soil results.

The statistical analysis of the radiological survey data indicates that the current condition of the storm drain system meets all the radiological acceptance criteria at the 95% confidence level. Therefore, the storm drain system can be released for unrestricted use.

4.8 Adjacent Streams Survey

Report #040 documents the results of the radiological survey of the two streams which flow adjacent to the site. Sediment samples were taken at the three storm sewer outfalls to the streams, at two locations upstream, and at one location downstream.

Figure 9 presents an overall plot plan for the site which shows the two streams which flow adjacent to the site. Compass north and Building north are shown on the Figure. All directional references used in this project have been to the "Building North" and that convention is followed in this discussion.

Peters Creek flows northward along the eastern side of the site. There are two storm sewer outfalls from the site into this creek. Lewis Run flows eastward along the southern side of the site. There is one storm sewer outfall from the site into this stream. Lewis Run joins with Peters Creek.

Six sampling locations were identified and are shown on Figure 9. The following is a description of these locations with respect to the rational for their selection:

1) Sample Location A - This location is on Lewis Run upstream from the storm sewer outfall into Lewis Run.

2) Sample Location B - This location is at the storm sewer outfall into Lewis Run. This storm sewer collects water from the area in front of Building Number 4 on the site.

3) Sample Location C - This location is on Peters Creek upstream from the site.

4) Sample Location D - This location is at one of the storm sewer outfalls into Peters Creek. This storm sewer outfall primarily collects water from the roadway between the buildings.

5) Sample Location E - This location is at the other storm sewer outfall into Peters Creek. This storm sewer outfall primarily collects water from the process buildings and the east parking lot. Plant discharges were directed to this outfall.

6) Sample Location F - This location is on Peters Creek downstream from the site.

Additional figures are provided in Report #040 which provide the sampling pattern and sample locations at each of the six sampling locations. At each location a pattern of 11 or 12 points was established. Gamma radiation measurements were also made at each sampling point for comparative information. Those results are described in Report #040, but are not included here since the results cannot be compared against any radiological acceptance criteria.

Analytical results for each of the 69 samples taken are presented in Table 34. Each sample was analyzed by gamma spectrometry and then the samples were grouped into composites as identified in Table 34 for alpha spectrometry. A statistical analysis is included at the end of Tables 34 to determine if the radiological acceptance criteria has been met at the desired degree of confidence. Table 34 presents a comparison of the alpha and gamma spectrometry results for the stream samples with the site average background values. (See Report #007).

Since the media for the stream sediment samples is distinctly different from the background soil samples, the results are not directly comparable. In general the stream sediment samples have a higher uranium concentration than the background soil samples. It is not clear that this is natural activity because the calculated U-235 enrichment based on the alpha spectrometry results is higher than that for natural uranium. With one exception, there does not appear to be any difference in the alpha and gamma spectrometry results for the stream sediment samples. Location A on Lewis Run, upstream from the storm drain discharge point does have a higher uranium concentration than the other five locations. Since all of these results are well within the radiological acceptance criteria of 30 pCi/grams for the total uranium concentration and there does not appear to be any indication that these results are due to site operations, no further investigation was conducted.

The statistical analysis of the radiological survey data presented indicates that there is no contamination present in the adjacent streams that can be attributed to licensed operations. The concentration of total uranium in the stream sediment samples meets the radiological acceptance criteria at the 95% confidence level.

4.9 Presence of Naturally Occurring Radioactive Material

The initial survey to establish the site background radiation levels for the various instruments (Report #007) did not identify any specific areas of elevated radiation levels. Nor did the preliminary survey of selected site buildings (Report #006). However, during the detailed surveys of the buildings and building roofs, a number of areas of elevated radiation levels due to the presence of naturally occurring radioactive material were identified. In general these can be described as:

1) Fire brick in the incinerator.

2) Brick walls which are associated with the oldest buildings on the site. Newer brick walls did not seem to exhibit higher readings.

3) Ceramic tile and fixtures in certain lavatories.

4) Roof gravel on certain building roofs.

Table 35 provides a listing of those locations on the site where the presence of naturally occurring radioactive material resulted in elevated radiation readings. Specific references are included as to location code, table number and report number to permit reference back to the original measurements.

4.10 Residual Activity Inventory

There were only a few instances where radioactive contamination due to the presence of licensed material was found during the radiological survey of the site. Three significant cleanup efforts were successfully undertaken as follows:

1) Removal of the Monitored Drain Line System - See Reports #002 and #003.

2) Cleanup of the Pipe Chases Within Building 9 - See Report #010.

3) Cleanup of the Storm Drain Line Under the Process Buildings - See Report #041.

Several minor instances of contamination were found which required additional cleaning or evaluation:

1) A few short portions of the Pipe Chases within Building 9 - See Report #010.

2) One corner of the Pit in Building 9 - See Report #016.

3) Portions of the floor of the Hydrogen Facility test cells - See Report #033.

4) An old furnace pit in the First Floor of Building 5 - See Report #034.

5) Sample Location #7 in the East Parking Lot - See Report #039.

Only these last five items are considered to be meaningful to a calculation of a residual activity inventory. Table 36 provides a conservative estimate of the residual activity inventory assigned to these areas.

5.0 CONCLUSIONS

The information presented in this report demonstrates that the current condition of the site meets all the radiological acceptance criteria at the desired degree of confidence. Therefore, the site can be released for unrestricted use and License Number SNM-951 can be terminated. This conclusion is based on the large number of radiological surveys which have been made and documented in all the reports (see Table 1) issued as part of this project. Table 37 provides an overall summary of the number of measurements which have been made.

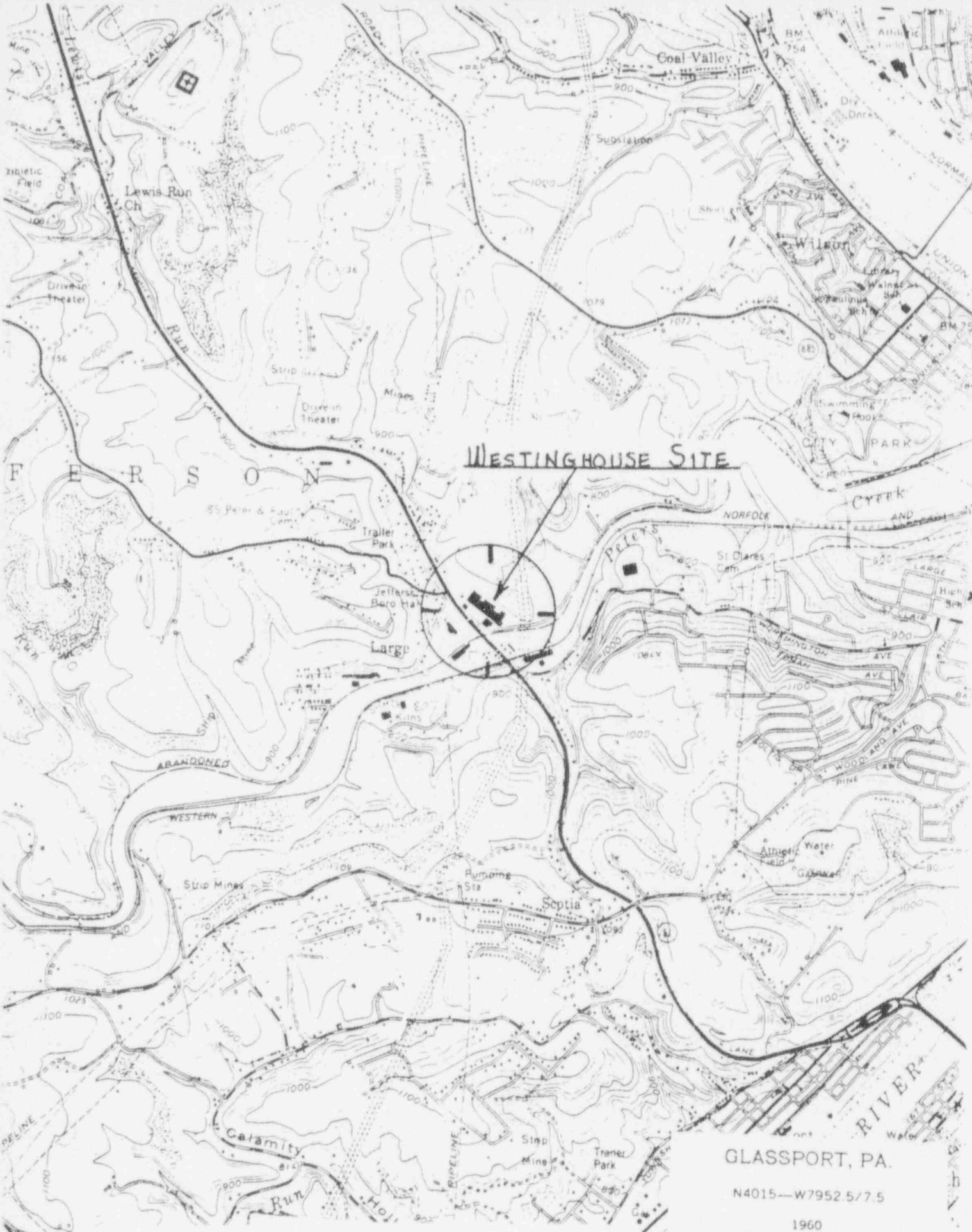


FIGURE 1
TOPOGRAPHIC MAP OF AREA

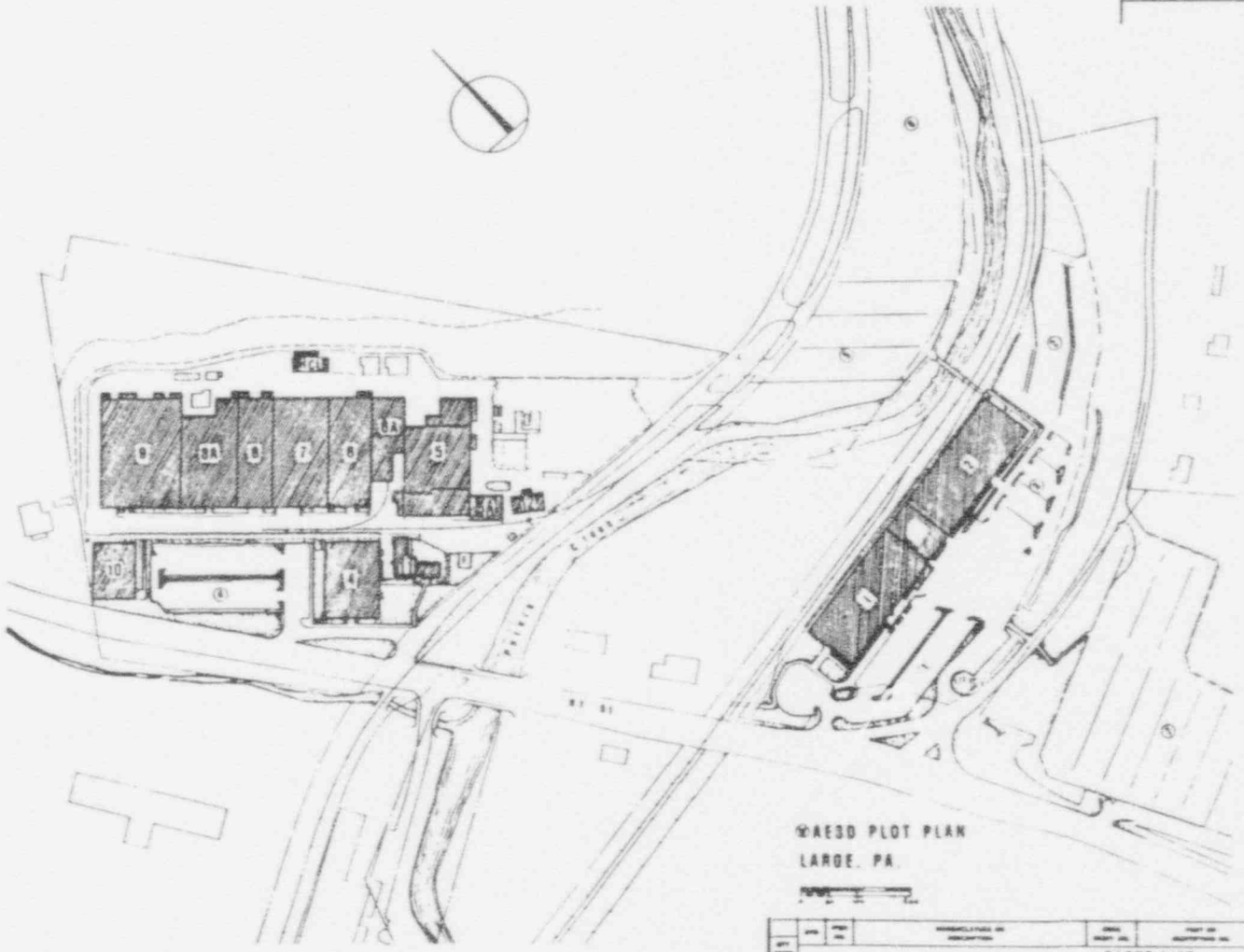


FIGURE 2
GENERAL AREA PLOT PLAN

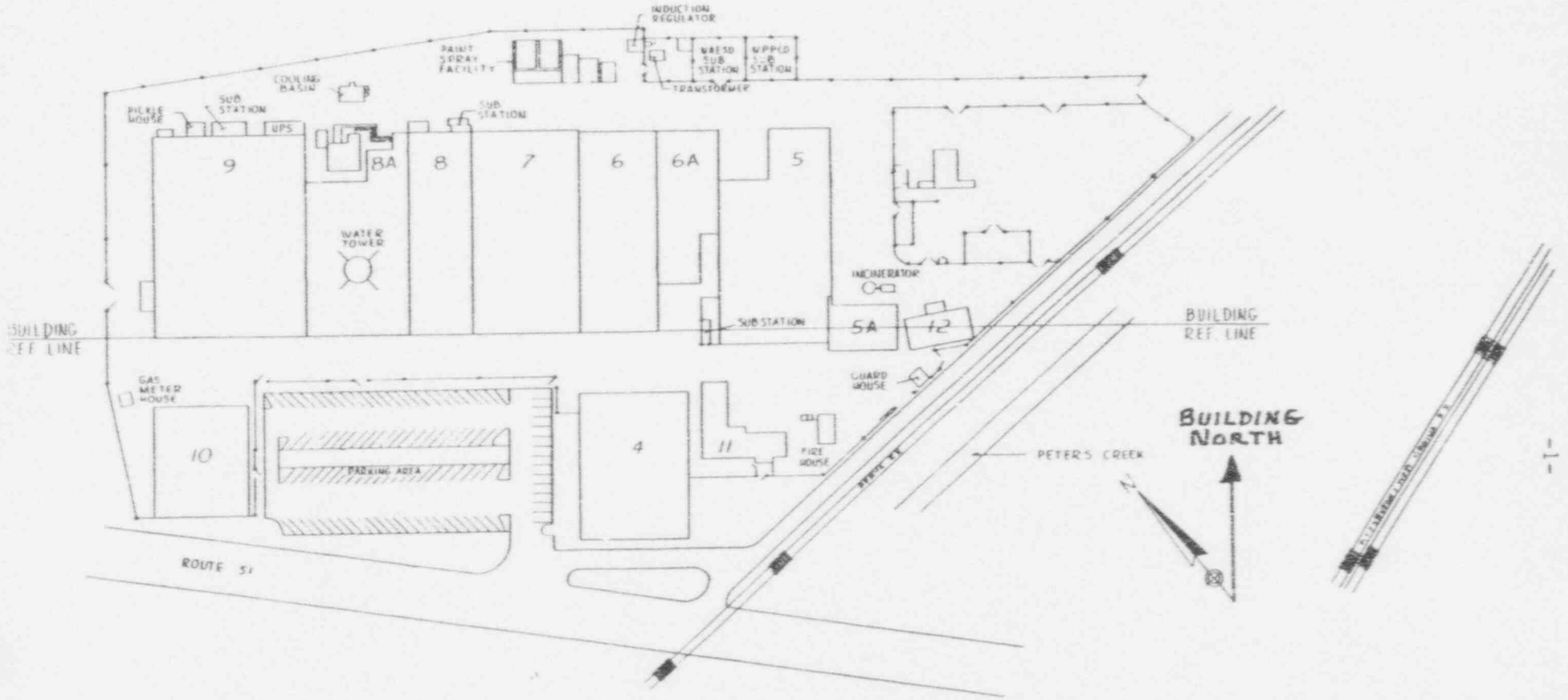
REVISIONS

PARTS LIST

Westinghouse Advanced Energy Systems Division

TRACTS A & B
PLOT PLAN

D 14683 JN-043



PARTS LIST

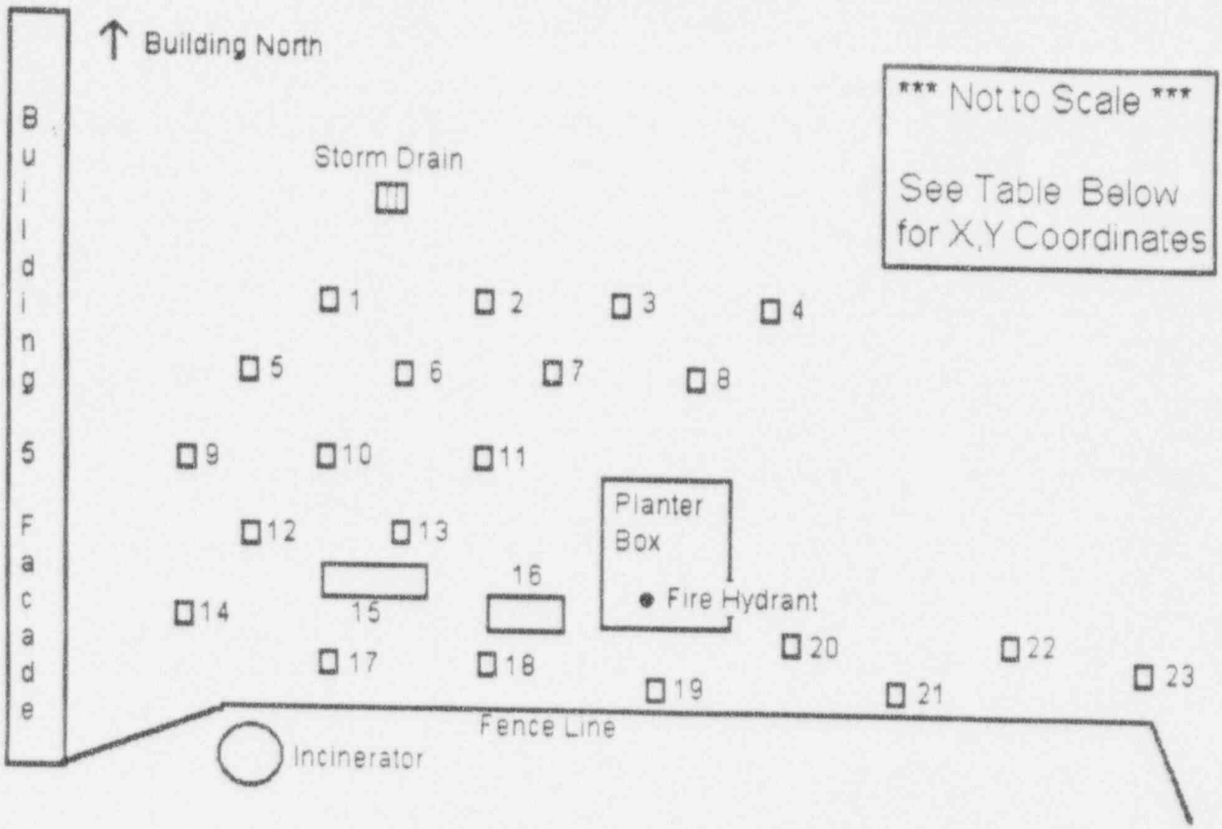
Westinghouse Advanced Energy Systems Division

WAESD LARGE, PA

D 14683 JN030

FIGURE 3
SITE PLOT PLAN

FIGURE 4
SAMPLE LOCATIONS IN EAST PARKING LOT



EAST PARKING LOT SAMPLE POINTS
LOCATION AND SIZE INFORMATION

LOCATION NUMBER	(X,Y) COORDINATES (METERS)	SIZE (METERS)	LOCATION NUMBER	(X,Y) COORDINATES (METERS)	SIZE (METERS)
1	-10.2 , 15.2	1X1	13	-8.0 , 4.8	1X1
2	-5.1 , 15.2	1X1	14	-14.8 , -1.4	1X1
3	0.5 , 15.2	1X1	15	-7.6 , 1.7	4.7X1.6
4	6.0 , 15.2	1X1	16	-3.6 , 0.0	2.7X1.9
5	-11.9 , 11.2	1X1	17	-9.7 , -3.6	1X1
6	-8.0 , 11.2	1X1	18	-4.4 , -3.6	1X1
7	-2.5 , 11.2	1X1	19	1.0 , -4.8	1X1
8	3.2 , 11.2	1X1	20	6.4 , -2.6	1X1
9	-14.8 , 7.5	1X1	21	10.6 , -4.8	1X1
10	-10.2 , 7.8	1X1	22	16.0 , -2.5	1X1
11	-5.3 , 7.6	1X1	23	21.2 , -3.4	1X1
12	-11.9 , 3.4	1X1			

COORDINATES ARE BASED ON THE FIRE HYDRANT BEING THE POINT OF ORIGIN (0,0). THE POSITVE X AXIS IS TO THE EAST, THE POSITIVE Y AXIS IS TO THE NORTH.

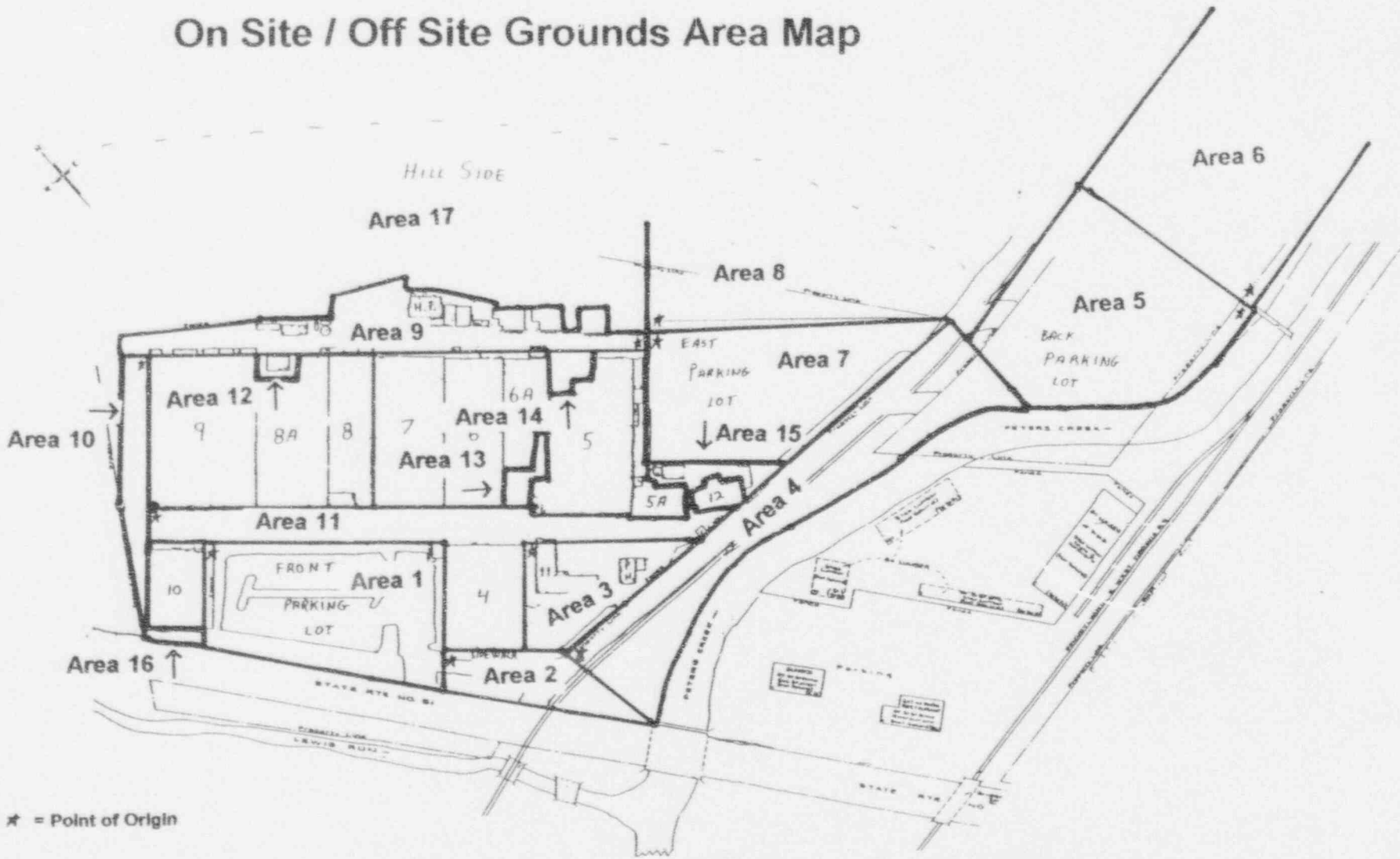


FIGURE 5
SITE PLOT PLAN SHOWING AREA DESIGNATIONS FOR GROUNDS SURVEY

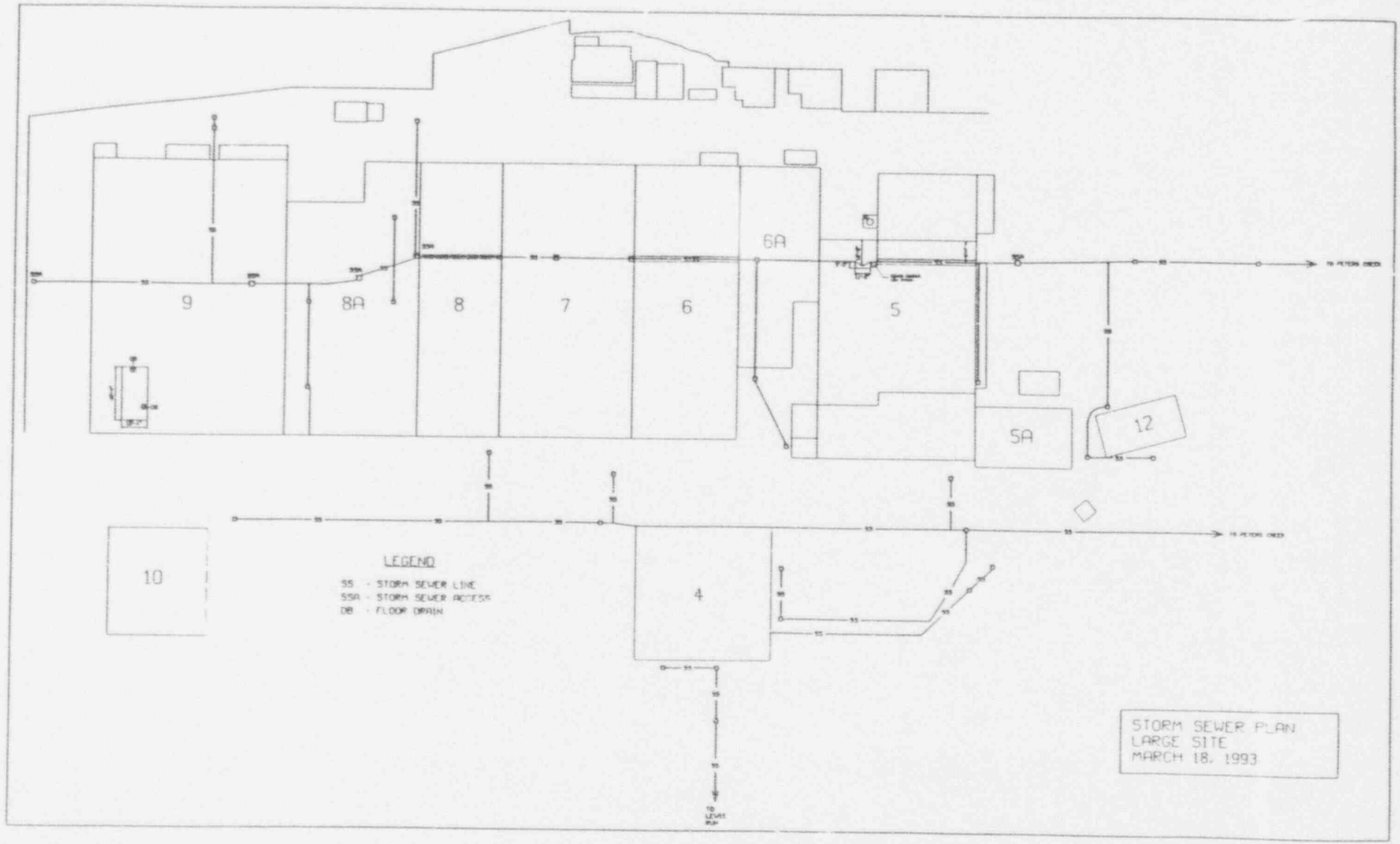


FIGURE 6
STORM DRAIN LINE SYSTEM SCHEMATIC

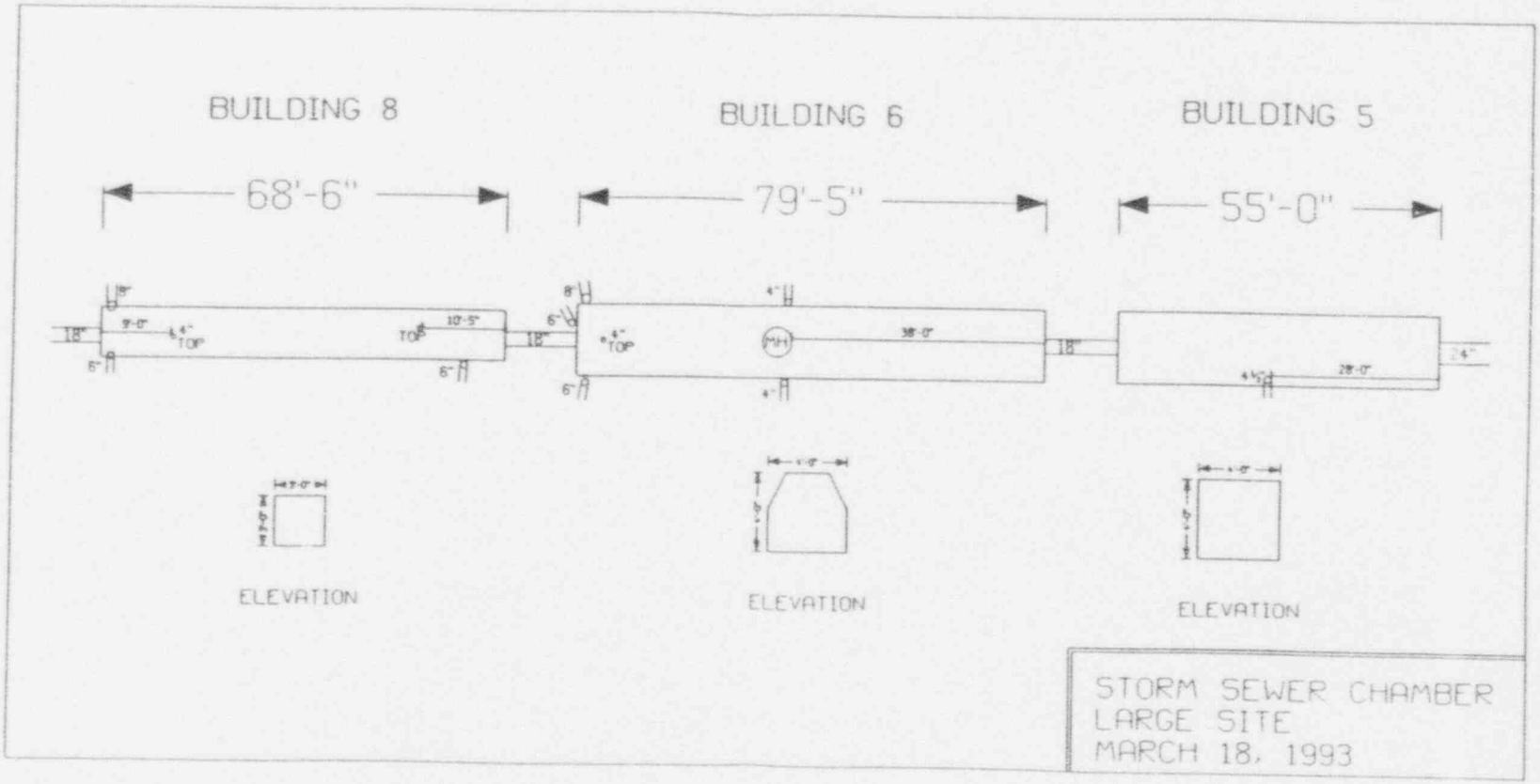
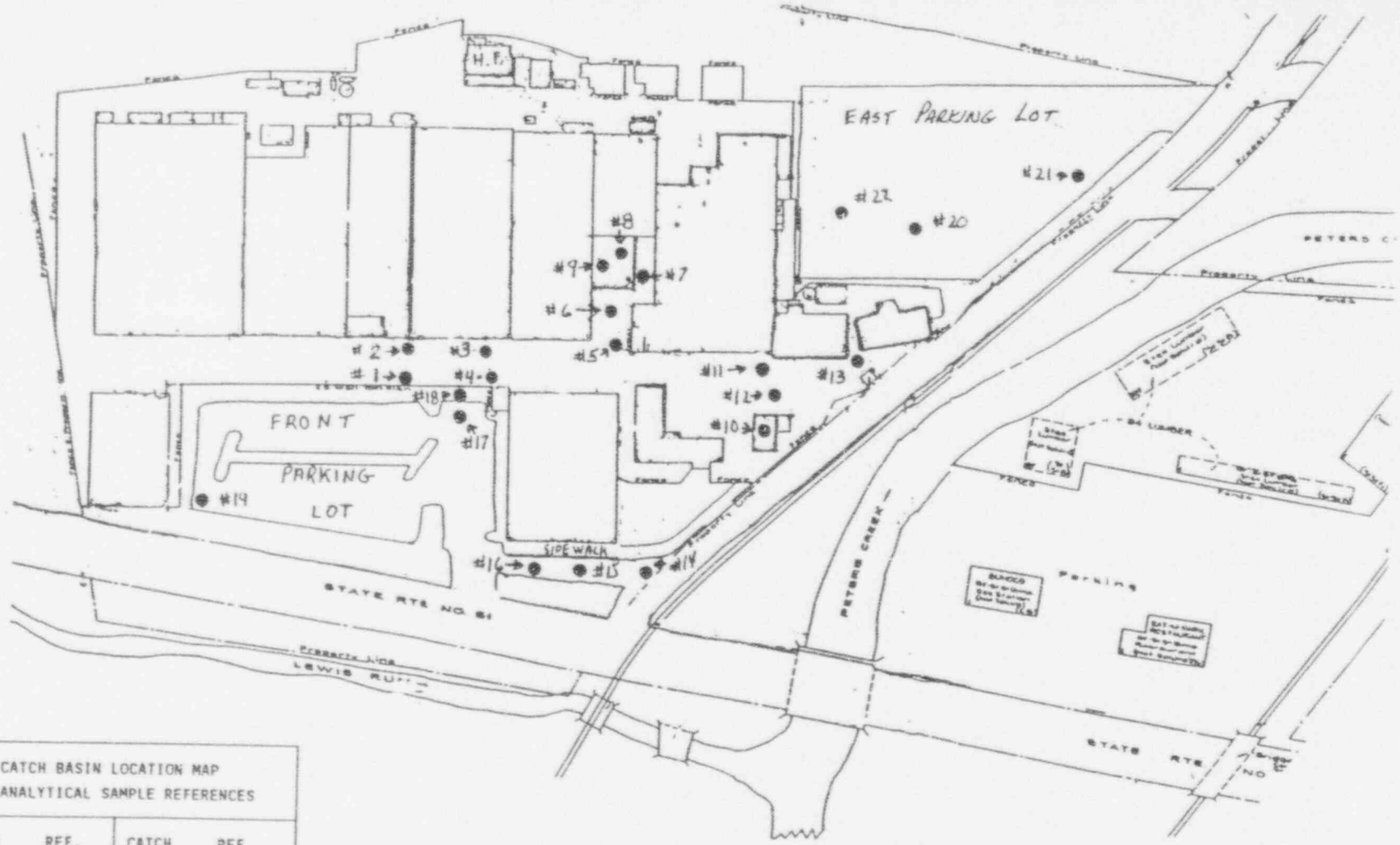


FIGURE 7
STORM DRAIN LINE - LARGE CATCH BASINS SCHEMATIC



CATCH BASIN LOCATION MAP AND ANALYTICAL SAMPLE REFERENCES			
CATCH BASIN	REF. SAMPLE #	CATCH BASIN	REF SAMPLE #
1	519	12	708
2	520	13	709
3	521	14	N/A
4	522	15	710
5	523	16	711
6	524	17	712
7	525	18	713
8	705	19	714
9	706	20	715
10	623	21	716
11	707	22	544,545

FIGURE 8
SITE PLOT PLAN SHOWING LOCATION OF SURFACE CATCH BASINS

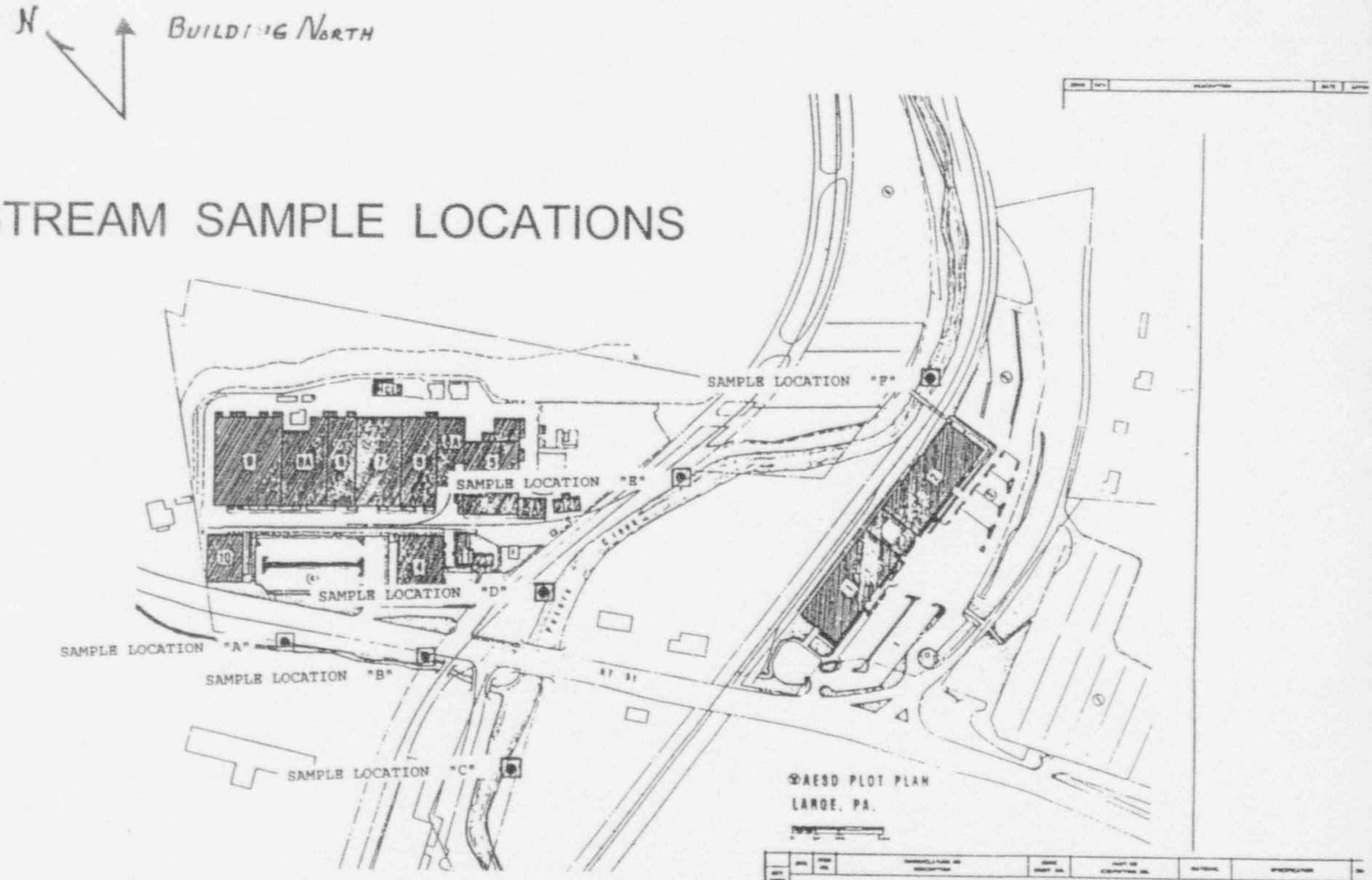


FIGURE 9
SITE AREA MAP SHOWING STREAM SAMPLING LOCATIONS

TABLE 1

INDEX OF LICENSE TERMINATION REPORTS BY REPORT NUMBER

		Date Submitted
REPORT #001	EVALUATION OF RADIATION DOSIMETERS DISTRIBUTED ON THE SITE, NOVEMBER 2, 1992	1/11/93
REPORT #002	REMOVAL OF THE MONITORED DRAIN LINE SYSTEM, NOVEMBER 24, 1992	1/11/93
REPORT #003	EVALUATION OF PORTIONS OF MONITORED DRAIN LINE SYSTEM ABANDONED IN PLACE, NOVEMBER 24, 1992	1/11/93
REPORT #004	DETERMINATION OF RADIOLOGICAL SURVEY ACCEPTANCE CRITERIA FOR LICENSE TERMINATION SURVEYS, DECEMBER 1, 1992	1/11/93
REPORT #005	FINAL RADIOLOGICAL SURVEY OF INCINERATOR BUILDING, DECEMBER 11, 1992	1/11/93
REPORT #006	PRELIMINARY SURVEY OF SELECTED SITE BUILDINGS, DECEMBER 7, 1992	1/11/93
REPORT #007	DETERMINATION OF SITE BACKGROUND VALUES FOR RADIOLOGICAL MEASUREMENTS, DECEMBER 18, 1992	2/12/93
REPORT #008	FINAL RADIOLOGICAL SURVEY OF PIT BEHIND BUILDING 5, JANUARY 6, 1993	2/12/93
REPORT #009	GENERAL INFORMATION RELATIVE TO RADIOLOGICAL SURVEYS OF BUILDINGS, JANUARY 6, 1993	2/12/93
REPORT #010	FINAL RADIOLOGICAL SURVEY OF PIPE CHASES WITHIN BUILDING NUMBER 9, JANUARY 6, 1993	2/12/93

TABLE 1 (CONTINUED)

REPORT #011	FINAL RADIOLOGICAL SURVEY OF BUILDING NO. 8, (SURVEY SECTION 28E), JANUARY 26, 1993	2/24/93
REPORT #012	FINAL RADIOLOGICAL SURVEY OF THE FIRST FLOOR OF BUILDING NO. 7, (SURVEY SECTION 7), JANUARY 29, 1993	2/24/93
REPORT #013	FINAL RADIOLOGICAL SURVEY OF BUILDING NO. 7, SECOND FLOOR, (SURVEY SECTION 28D), FEBRUARY 4, 1993	2/24/93
REPORT #014	FINAL RADIOLOGICAL SURVEY OF BUILDING NO. 6A, (SURVEY SECTION 6), FEBRUARY 9, 1993	2/24/93
REPORT #015	FINAL RADIOLOGICAL SURVEY OF THE BASEMENT OF BUILDING NO. 4, (SURVEY SECTION 14), FEBRUARY 16, 1993	2/24/93
REPORT #016	FINAL RADIOLOGICAL SURVEY OF THE PIT IN BUILDING NO. 9, (SURVEY SECTION 9), MARCH 10, 1993	4/16/93
REPORT #017	FINAL RADIOLOGICAL SURVEY OF THE FIRST FLOOR OF BUILDING NO. 6, (SURVEY SECTION 4), MARCH 11, 1993	4/16/93
REPORT #018	FINAL RADIOLOGICAL SURVEY OF BUILDING NO. 11, (SURVEY SECTION 28I), MARCH 15, 1993	4/16/93
REPORT #019	FINAL RADIOLOGICAL SURVEY OF THE SECOND FLOOR OF BUILDING NO. 6, (SURVEY SECTION 5), MARCH 15, 1993	4/16/93
REPORT #020	FINAL RADIOLOGICAL SURVEY OF THE FIRST FLOOR OF BUILDING NO. 9, (SURVEY SECTION 10), MARCH 17, 1993	4/16/93
REPORT #021	FINAL RADIOLOGICAL SURVEY OF BUILDING NO. 10, (SURVEY SECTION 28H), MARCH 17, 1993	4/30/93
REPORT #022	FINAL RADIOLOGICAL SURVEY OF THE SECOND FLOOR OF BUILDING NO. 9, (SURVEY SECTION 28G), MARCH 17, 1993	4/16/93

TABLE 1 (CONTINUED)

REPORT #023	FINAL RADIOLOGICAL SURVEY OF THE SECOND FLOOR OF BUILDING NO. 5, (SURVEY SECTION 2), MARCH 30, 1993	4/16/93
REPORT #024	FINAL RADIOLOGICAL SURVEY OF THE THIRD FLOOR OF BUILDING NO. 5, (SURVEY SECTION 3), MARCH 31, 1993	4/16/93
REPORT #025	FINAL RADIOLOGICAL SURVEY OF THE FIRST AND SECOND FLOORS OF BUILDING NO. 4, (SURVEY SECTION 28A), APRIL 1, 1993	4/30/93
REPORT #026	FINAL RADIOLOGICAL SURVEY OF BUILDING NO. 5A, (SURVEY SECTION 28C), APRIL 5, 1993	4/30/93
REPORT #027	FINAL RADIOLOGICAL SURVEY OF THE FIRST FLOOR OF BUILDING NO. 12, (SURVEY SECTION 16) APRIL 5, 1993	4/30/93
REPORT #028	FINAL RADIOLOGICAL SURVEY OF THE SECOND FLOOR OF BUILDING NO. 12, (SURVEY SECTION 28L), APRIL 7, 1993	4/30/93
REPORT #029	FINAL RADIOLOGICAL SURVEY OF THE THIRD FLOOR OF BUILDING NO. 4, (SURVEY SECTION 15), APRIL 7, 1993	4/30/93
REPORT #030	FINAL RADIOLOGICAL SURVEY OF THE FOURTH FLOOR OF BUILDING NO. 5, (SURVEY SECTION 28B), APRIL 8, 1993	4/30/93
REPORT #031	FINAL BUILDING SURVEY OF THE FIREHALL, (SURVEY SECTION 28J), APRIL 8, 1993	4/30/93
REPORT #032	FINAL RADIOLOGICAL SURVEY OF THE SECOND FLOOR OF BUILDING NO. 8A, (SURVEY SECTION 28F), APRIL 8, 1993	4/30/93
REPORT #033	FINAL RADIOLOGICAL SURVEY OF THE HYDROGEN FACILITY, (SURVEY SECTION 11), MAY 10, 1993	5/14/93

TABLE 1 (CONTINUED)

REPORT #034	FINAL RADIOLOGICAL SURVEY OF THE FIRST FLOOR OF BUILDING NO. 5, (SURVEY SECTION 1), APRIL 20, 1993	4/30/93
REPORT #035	FINAL RADIOLOGICAL SURVEY OF THE FIRST FLOOR OF BUILDING NO. 8A, (SURVEY SECTION 8), MAY 5, 1993	5/14/93
REPORT #036	CALIBRATION RECORDS FOR INSTRUMENTS USED FOR RADIOLOGICAL SURVEYS, APRIL 22, 1993	5/14/93
REPORT #037	TECHNICAL DESCRIPTION OF INSTRUMENTS USED FOR RADIOLOGICAL SURVEYS, APRIL 30, 1993	5/14/93
REPORT #038	FINAL RADIOLOGICAL SURVEY OF THE BUILDING ROOFS, (SURVEY SECTION 29), JUNE 1, 1993	7/9/93
REPORT #039	FINAL RADIOLOGICAL SURVEY OF THE SITE GROUNDS, (SURVEY SECTION 30), JUNE 2, 1993	7/9/93
REPORT #040	RADIOLOGICAL SURVEY OF STREAMS ADJACENT TO THE SITE, (SURVEY SECTION 31)	7/9/93
REPORT #041	FINAL RADIOLOGICAL SURVEY OF THE STORM DRAIN SYSTEM ON THE SITE, (SURVEY SECTION 32), JUNE 8, 1993	7/9/93
REPORT #042	SUMMARY REPORT ON INFORMATION RELEVANT TO TERMINATION OF LICENSE NUMBER SNM-951	7/20/93 7/23/93
REPORT #043	DISPOSITION OF LICENSED MATERIAL	TO BE SUBMITTED

TABLE 2

LISTING OF LICENSE TERMINATION REPORTS BY TYPE OF REPORT

BASIC INFORMATION REPORTS:

REPORT NUMBER	SUBJECT	DATE SUBMITTED
004	Determination of Radiological Survey Acceptance Criteria for License Termination Surveys	1/11/93
007	Determination of Site Background Value for Radiological Measurements	2/12/93
009	General Information Relative to Radiological Surveys of Buildings	2/12/93
036	Calibration Records for Instruments used for Radiological Surveys	5/14/93
037	Technical Description of Instruments Used for Radiological Surveys	5/14/93

GENERAL INFORMATION REPORTS:

REPORT NUMBER	SUBJECT	DATE SUBMITTED
001	Evaluation of Dosimeters Distributed On The Site	1/11/93
002	Removal of the Monitored Drain Line System	1/11/93
003	Evaluation of Portions of Monitored Drain Line System Abandoned in Place	1/11/93
006	Preliminary Survey of Selected Site Buildings	1/11/93
042	Summary Report on Information Relevant to Termination of License Number SNM-951	7/20/93
043	Disposition of Licensed Material	TBS

NOTE:
TBS = TO BE SUBMITTED

TABLE 2 (CONTINUED)
SURVEY REPORTS BY SURVEY SECTION:

SURVEY SECTION	REPORT NUMBER	AREA DESCRIPTION	DATE SUBMITTED
1	034	BUILDING 5, FIRST FLOOR	4/30/93
2	023	BUILDING 5, SECOND FLOOR	4/16/93
3	024	BUILDING 5, THIRD FLOOR	4/16/93
4	017	BUILDING 6, FIRST FLOOR	4/7/93
5	019	BUILDING 6, SECOND FLOOR	4/7/93
6	014	BUILDING 6A	2/24/93
7	012	BUILDING 7, FIRST FLOOR	2/24/93
8	035	BUILDING 8A, FIRST FLOOR	5/14/93
9	016	BUILDING 9, PIT	4/7/93
10	020	BUILDING 9, FIRST FLOOR	4/7/93
10	010	BUILDING 9, PIPE CHASES	2/21/93
11	033	HYDROGEN FACILITY	5/14/93
14	015	BUILDING 4, BASEMENT	2/24/93
15	029	BUILDING 4, THIRD FLOOR	4/30/93
16	027	BUILDING 12, FIRST FLOOR	4/30/93
27	008	PIT BEHIND BUILDING 5	2/12/93
28A	025	BUILDING 4, FIRST & SECOND	4/30/93
28B	030	BUILDING 5, FOURTH FLOOR	4/30/93
28C	026	BUILDING 5A	4/30/93
28D	013	BUILDING 7, SECOND FLOOR	2/24/93
28E	011	BUILDING 8	2/24/93
28F	032	BUILDING 8A, SECOND FLOOR	4/30/93
28G	022	BUILDING 9, SECOND FLOOR	4/16/93
28H	021	BUILDING 10	4/30/93
28I	018	BUILDING 11	4/7/93
28J	031	FIREHALL	4/30/93
28K	005	INCINERATOR	1/11/93
28L	028	BUILDING 12, SECOND FLOOR	4/30/93
29	038	BUILDING ROOFS	7/9/93
30	039	SITE GROUNDS	7/9/93
31	040	STREAMS	7/9/93
32	041	STORM DRAIN SYSTEM	7/9/93

Table 3 - Survey File Section Numbering System

Survey Section #	Location	Survey Section #	Location
1	Building 5 - Floor 1	28A	Building 4 - Floors 1, 2
2	Building 5 - Floor 2	28B	Building 5 - Floor 4
3	Building 5 - Floor 3	28C	Building 5A- Floor 1
4	Building 6 - Floor 1	28D	Building 7 - Floor 2
5	Building 6 - Floor 2	28E	Building 8 - Floors 1, 2
6	Building 6A - Floor 1	28F	Building 8A - Floor 2
7	Building 7 - Floor 1	28G	Building 9 - Floor 2
8	Building 8A - Floor 1	28H	Building 10 - Floors 1, 2, 3
9	Building 9 - Basement	28I	Building 11 - Floors 1, 2, 3
10	Building 9 - Floor 1	28J	Firehall
11	Hydrogen Facility	28K	Incinerator
12	Not Used	28L	Building 12 - Floor 2
13	Not Used	29	Flat building roofs
14	Building 4 - Basement	30	Site Grounds
15	Building 4 - Floor 3	31	Streams
16	Building 12 - Floor 1	32	Storm Drain
Monitored Drain Line Survey Data (Outside Trenched Areas)		Monitored Drain Line Tank Removal Survey Data	
17	Building 9, 8A - Front	26	Building 9
18	Building 8A, 8 - Rear	27	Building 5 (Rear)
19	Building 7, 6 - Rear		
20	Building 6A, 5 - Rear ,East and South		
Monitored Drain Line Survey Data (Building Interior Trenched Areas)			
21	Building 9		
22	Building 8A		
23	Building 6		
24	Building 6A		
25	Building 5		

TABLE 4
FLOOR AREA FOR BUILDINGS

BUILDING NUMBER	FLOOR	AREA (FT^2)	AREA (METERS^2)
4	BASEMENT	15,498	1,440
	1ST	15,498	1,440
	2ND	15,498	1,440
	3RD	1,102	102
	TOTAL	47,596	4,422
5	1ST	24,032	2,233
	2ND	9,603	892
	3RD	5,077	472
	4TH	5,077	472
	TOTAL	43,789	4,068
5A	1ST	3,113	289
	MEZZANINE	252	23
	TOTAL	3,365	313
6	1ST	15,400	1,431
	2ND	8,149	757
	TOTAL	23,549	2,188
6A	1ST	6,000	557
	TOTAL	6,000	557
7	1ST	20,000	1,858
	2ND	2,678	249
	TOTAL	22,678	2,107
8	1ST	12,000	1,115
	MEZZANINE	1,859	173
	TOTAL	13,859	1,288
8A	1ST	18,262	1,697
	2ND	18,262	1,697
	TOTAL	36,524	3,393
9	1ST	30,067	2,793
	2ND	9,749	906
	TOTAL	39,816	3,699
10	1ST	8,690	807
	2ND	8,690	807
	TOTAL	17,380	1,615
11	1ST	3,720	346
	2ND	1,680	156
	TOTAL	5,400	502
12	1ST	2,192	204
	2ND	1,555	144
	TOTAL	3,747	348
FIREHOUSE	1ST	748	69
	TOTAL	748	69
HYDROGEN FACILITY	1ST	2,728	253
	TOTAL	2,728	253
SITE TOTAL		267,179	24,821

TABLE 5
RADIOLOGICAL SURVEY ACCEPTANCE CRITERIA

I. Acceptable Surface Contamination Levels

Measurement	Limit ($dpm/100\ cm^2$)
Total Surface Contamination	
Average Value	- 5,000
Maximum Value	-15,000
Removable Surface Contamination	- 1,000

II. Acceptable Soil Contamination Levels

All Uranium Isotopes	- 30 pCi/gram
U-235 Isotope	- 1 pCi/gram (Note 1)

III. Gamma Dose Rate

Dose Rate measured at 1 meter above the surface	- 5 micro Roentgen per hour above natural background

NOTE 1: THE WORKING LIMIT FOR U-235 IS BASED ON THE RATIO OF URANIUM TO U-235 BEING 30. INFORMATION IS PRESENTED IN REPORT #004 TO JUSTIFY THIS WORKING LIMIT. FURTHUR INFORMATION IS PRESENTED IN REPORT #041 THAT INDICATES THAT A RATIO OF 30 IS CONSERVATIVE, AND THAT A RATIO OF 21 IS MORE ACCURATE.

TABLE 6
INSTRUMENTS SELECTED FOR LICENSE TERMINATION SURVEYS

INSTRUMENT & S/N	DETECTOR TYPE	EFFICIENCY	CORRECTION FACTOR
LUDLUM 2221 Floor monitor	434 cm2 Gas Prop.	Alpha: 15.7% @1/4" Beta: 23.2% @1/4"	6.39 4.31
EBERLINE ESP-2 #1510	100 cm2 Gas Prop.	Beta: 37.3% only @ Contact	2.68
EBERLINE ESP-2 #1517	100 cm2 Gas Prop.	Alpha: 27.1% only @ Contact	3.69
EBERLINE ESP-2 #1522	HP-270	N/A	N/A
EBERLINE E-520 #5242	GM Pancake	Beta: 20.3%	4.93
EBERLINE E-520 #5242	HP-270	N/A	N/A
EBERLINE PAC-4G #4478	AC-21 AC-21B	Alpha: 23.4% Beta: 38.4% (Both @ Contact)	4.27 2.60
EBERLINE PRS-1 #346	NaI SPA-3	N/A	N/A
EBERLINE PRM-7 #234	GM Tube	N/A	N/A
EBERLINE ASP-1 #1891	Scintillation	19.1 %	5.23
REUTER-STOKES #L-2088	Pressurized Ion Chamber	N/A	N/A
EBERLINE MS-2 #1848	GM Tube	Beta: 23.3%	4.11
EBERLINE BC-4 #808	GM Tube	Beta: 17.1%	5.81
EBERLINE SAC-4 #1128	Scintillation	Alpha: 40.5%	2.47
EBERLINE SAC-4 #263	Scintillation	Alpha: 32.7	3.06
TENNELEC LB510(#1	Gas Proportional	Alpha: 36.97% Beta: 49.64%	2.70 2.01

TABLE 7
COMPARISON OF INSTRUMENT BACKGROUND LEVELS WITH RADIOLOGICAL ACCEPTANCE CRITERIA

INSTRUMENT DESCRIPTION	RADIATION DETECTED	SURFACE DESCRIPTION	BACKGROUND RADIATION LEVEL	STANDARD DEVIATION	ACCEPTANCE CRITERIA VALUE	UNITS	BACKGROUND AS % OF ACCEPTANCE CRITERIA
	ALPHA SURFACE ACTIVITY						
EBERLINE MODEL ESP-2 WITH 100 cm2 PROBE AREA (MODEL HP-100A)	TOTAL ALPHA	ALL	3.4	2.4	5,000	dpm/100 cm2	0.07%
LUDLUM FLOOR MONITOR MODEL 239-1F WITH 434 cm2 PROBE AREA	TOTAL ALPHA	ALL	11.4	6.4	5,000	dpm/100 cm2	0.23%
EBERLINE MODEL PAC-4G WITH 50 cm2 PROBE AREA (MODEL AC-21)	TOTAL ALPHA	ALL	2.1	1.9	5,000	dpm/100 cm2	0.04%
EBERLINE MODEL ASP-1 WITH 50 cm2 PROBE AREA (MODEL AC-3)	TOTAL ALPHA	ALL	2.2	2.4	5,000	dpm/100 cm2	0.04%
	BETA SURFACE ACTIVITY						
EBERLINE MODEL ESP-2 WITH 100 cm2 PROBE AREA (MODEL HP-100A)	TOTAL BETA	ALL-INTERIOR	1184	88.8	5,000	dpm/100 cm2	23.7%
		ALL-EXTERIOR	1394	132.3	5,000	dpm/100 cm2	27.9%
LUDLUM FLOOR MONITOR MODEL 239-1F WITH 434 cm2 PROBE AREA	TOTAL BETA	ALL	398	67.5	5,000	dpm/100 cm2	8.0%
EBERLINE MODEL PAC-4G WITH 50 cm2 PROBE AREA (MODEL AC-21B)	TOTAL BETA	ALL	106	20.2	5,000	dpm/100 cm2	2.1%
EBERLINE MODEL E-520 WITH PANCAKE PROBE OF 15 cm2 AREA	TOTAL BETA	ALL-INTERIOR	124	21.9	5,000	dpm/100 cm2	2.5%
		ALL-EXTERIOR	142	41.3	5,000	dpm/100 cm2	2.8%
	SURFACE DOSE RATE						
EBERLINE MODEL ESP-2 WITH HP-270 PROBE	BETA/GAMMA DOSE RATE @ SURFACE	ALL	0.023	0.025	1	mr/hr	2.3%
EBERLINE MODEL E-520 WITH HP-270 PROBE	BETA/GAMMA DOSE RATE @ SURFACE	ALL	0.014	0.004	1	mr/hr	1.4%
	GAMMA DOSE RATE @ 1 METER						
EBERLINE MODEL PRM-7 MICRO-R SURVEY METER	GAMMA DOSE RATE @ 1m ABOVE SURFACE	ALL-INTERIOR	10.63	2.06	15.6	microR/hr	68%
		ALL-EXTERIOR	13.00	3.06	18.0	microR/hr	72%
REUTER-STOKES PRESSURIZED ION CHAMBER	GAMMA DOSE RATE @ 1m ABOVE SURFACE	ALL-INTERIOR	9.52	1.11	14.5	microR/hr	66%
		ALL-EXTERIOR	10.75	2.25	15.8	microR/hr	68%

TABLE 7 (CON'T)
COMPARISON OF INSTRUMENT BACKGROUND LEVELS WITH RADIOLOGICAL ACCEPTANCE CRITERIA

INSTRUMENT DESCRIPTION	RADIATION DETECTED	SURFACE DESCRIPTION	BACKGROUND RADIATION LEVEL	STANDARD DEVIATION	ACCEPTANCE CRITERIA VALUE	UNITS	BACKGROUND AS % OF ACCEPTANCE CRITERIA
	ALPHA/BETA SMEAR SURVEYS (1)						
EBERLINE MODEL SAC-4	REMOVABLE ALPHA	ALL	0.43	0.25	1,000	dpm/100 cm2	0.04%
TENNELEC MODEL LB-5100	REMOVABLE ALPHA	ALL	0.15	0.06	1,000	dpm/100 cm2	0.02%
EBERLINE MODEL MS-3	REMOVABLE BETA	ALL	96.1	13.0	1,000	dpm/100 cm2	9.6%
EBERLINE MODEL BC-4	REMOVABLE BETA	ALL	150.3	9.0	1,000	dpm/100 cm2	15%
TENNELEC MODEL LB-5100	REMOVABLE BETA	ALL	2.82	0.16	1,000	dpm/100 cm2	0.28%

NOTE (1): These are typical background radiation levels for these instruments based on approximately 30 days of daily checks. No specific data is presented in this report on these measurements.

TABLE 8
MINIMUM DETECTABLE ACTIVITY FOR VARIOUS INSTRUMENTS

	INSTRUMENT DESCRIPTION	RADIATION DETECTED	COUNTING TIME	MINIMUM DETECTABLE ACTIVITY	ACCEPTANCE CRITERIA VALUE	UNITS	MDA AS % OF ACCEPTANCE CRITERIA
		ALPHA SURFACE ACTIVITY					
1	EBERLINE MODEL ESP-2 WITH 100 cm2 PROBE AREA (MODEL HP-100A)	TOTAL ALPHA	1 min.	18	5,000	dpm/100 cm2	0.36%
2	LUDLUM FLOOR MONITOR MODEL 239-1F WITH 434 cm2 PROBE AREA	TOTAL ALPHA	1 min.	21	5,000	dpm/100 cm2	0.42%
3	EBERLINE MODEL PAC-4G WITH 50 cm2 PROBE AREA (MODEL AC-21) TIME CONSTANT = 12 sec	TOTAL ALPHA	NA	50	5,000	dpm/100 cm2	1.0%
4	EBERLINE MODEL ASP-1 WITH 50 cm2 PROBE AREA (MODEL AC-3) TIME CONSTANT = 10 sec	TOTAL ALPHA	NA	38	5,000	dpm/100 cm2	0.76%
		BETA SURFACE ACTIVITY					
5	EBERLINE MODEL ESP-2 WITH 100 cm2 PROBE AREA (MODEL HP-100A)	TOTAL BETA	1 min.	269	5,000	dpm/100 cm2	5.4%
6	LUDLUM FLOOR MONITOR MODEL 239-1F WITH 434 cm2 PROBE AREA	TOTAL BETA	1 min.	127	5,000	dpm/100 cm2	2.5%
7	EBERLINE MODEL PAC-4G WITH 50 cm2 PROBE AREA (MODEL AC-21B) TIME CONSTANT =12 sec	TOTAL BETA	NA	135	5,000	dpm/100 cm2	2.7%
8	EBERLINE MODEL E-520 WITH PANCAKE PROBE OF 15 cm2 AREA TIME CONSTANT = 8 sec	TOTAL BETA	NA	42	5,000	dpm/100 cm2	0.84%

TABLE 8 (CON'T)
MINIMUM DETECTABLE ACTIVITY FOR VARIOUS INSTRUMENTS

	INSTRUMENT DESCRIPTION	RADIATION DETECTED	COUNTING TIME	MINIMUM DETECTABLE ACTIVITY	ACCEPTANCE CRITERIA VALUE	UNITS	MDA AS % OF ACCEPTANCE CRITERIA
		SURFACE DOSE RATE					

9	EBERLINE MODEL ESP-2 WITH HP-270 PROBE	BETA/GAMMA DOSE RATE @ SURFACE	NA	(1)	0.2	mr/hr	
10	EBERLINE MODEL E-520 WITH HP-270 PROBE	BETA/GAMMA DOSE RATE @ SURFACE	NA	(1)	0.2	mr/hr	
		GAMMA DOSE RATE @ 1 METER					

11	EBERLINE MODEL PRM-7 MICRO-R SURVEY METER	GAMMA DOSE RATE @ 1m ABOVE SURFACE	NA	(1)	5 above background	microR/hr	
12	REUTER-STOKES PRESSURIZED ION CHAMBER	GAMMA DOSE RATE @ 1m ABOVE SURFACE	5 min.	(1)	5 above background	microR/hr	

NOTE: (1) No MDA has been calculated for these instruments.

TABLE 8 (CON'T)
MINIMUM DETECTABLE ACTIVITY FOR VARIOUS INSTRUMENTS

	INSTRUMENT DESCRIPTION	RADIATION DETECTED	COUNTING TIME	MINIMUM DETECTABLE ACTIVITY	ACCEPTANCE CRITERIA VALUE	UNITS	MDA AS % OF ACCEPTANCE CRITERIA
		ALPHA/BETA SMEAR SURVEYS					
13	EBERLINE MODEL SAC-4	REMOVABLE ALPHA	1 min.	15	1,000	dpm/100 cm2	1.5%
14	TENNELEC MODEL LB-5100	REMOVABLE ALPHA	1 min.	9	1,000	dpm/100 cm2	0.9%
15	EBERLINE MODEL MS-3	REMOVABLE BETA	1 min.	98	1,000	dpm/100 cm2	9.8%
16	EBERLINE MODEL BC-4	REMOVABLE BETA	1 min.	154	1,000	dpm/100 cm2	15.4%
17	TENNELEC MODEL LB-5100	REMOVABLE BETA	1 min.	12	1,000	dpm/100 cm2	1.2%
		ALPHA SCANS FOR SURFACE ACTIVITY					
18	EBERLINE MODEL ESP-2 WITH 100 cm2 PROBE AREA (MODEL HP-100A)	TOTAL ALPHA	NA	500	5,000	dpm/100 cm2	10%
19	LUDLUM FLOOR MONITOR MODEL 239-1F WITH 434 cm2 PROBE AREA	TOTAL ALPHA	NA	1000	5,000	dpm/100 cm2	20%
		BETA SCANS FOR SURFACE ACTIVITY					
20	EBERLINE MODEL ESP-2 WITH 100 cm2 PROBE AREA (MODEL HP-100A)	TOTAL BETA	NA	1,300	5,000	dpm/100 cm2	26%
21	LUDLUM FLOOR MONITOR MODEL 239-1F WITH 434 cm2 PROBE AREA	TOTAL BETA	NA	800	5,000	dpm/100 cm2	16%

NOTE: SURFACE SCAN DONE WITH DETECTOR MOVED OVER SURFACE AT A RATE OF ONE DETECTOR WIDTH PER SECOND, MONITORING AUDIBLE SIGNAL.

TABLE 9
BUILDING CLASSIFICATION SYSTEM

GROUP DESIGNATION	DESCRIPTION	COLOR CODE
I	Offices, Administrative Areas and Plant Areas where historical information indicates that no radioactive material had ever been used or stored	Green
II	Offices, Administrative Areas and Plant Areas where historical information is uncertain, but does not indicate that any radioactive material had been used or stored.	Yellow
III	Areas where historical information indicates only encapsulated material or sealed sources were used or stored.	Blue
IV	Areas where historical information indicates that unencapsulated radioactive material may have been used or stored.	Red

Table 10 - Survey Protocol

Class ID #	Classification Description	Group Description	Maximum Unit Size	Grid Pattern Size	Unit Survey Points by Group	Surveys to be Conducted (1)	Comments
1	Offices, admin., and plant areas where historical info indicates no RAM had ever been used or stored.	Floors and walls up to 2 meters.	Building floor level.	N/A - Random	30 points initially. Statistical analysis to determine if more are required.	ABCDEFH	Random survey points to be biased towards uncovered surfaces where possible.
2	Offices, admin., and plant areas where historical info does not indicate that any RAM had ever been used or stored, but is uncertain.	Floors and walls up to 2 meters.	Building floor level or 700 square meters maximum.	N/A - Random	30 points initially. 10% of floor surfaces.	ABCDEFH G	
3 A	Areas where historical info indicates only sealed RAM may have been used or stored.	Floors and walls up to 2 meters.	Building floor level or 500 square meters maximum.	N/A - Random	30 points initially. 30% of floor surfaces.	ABCDEFH G	
B		Miscellaneous upper and horizontal surfaces.			30 points initially	ABEFH	Surface scan may be restricted by obstructions.
4 A	Areas where historical info indicates unsealed RAM may have been used or stored.	Floors and walls up to 2 meters.	300 square meters of floor area maximum.	2 meters by 2 meters.	30 points initially at grid intersects. 50% of accessible floor area.	ABCDEFH G	
B		Upper surfaces.		N/A - Random	30 points initially.	ABEFH	
C		Misc. horizontal surfaces.		N/A - Random	30 points initially.	ABEFH	
D		Ventilation system internal surfaces.	Single system.	N/A - Random	30 points initially.	ABEFH	
5	Areas where actual measurements indicate radiation greater than 25% of the applicable criteria averaged over the survey unit for measurements of alpha/beta surface activity or smears.	All Surfaces.	100 square meters of floor area.	1 meter by 1 meter	100% scan of all surfaces. 100% of all grid intersects.	G ABCDEF	Additional attention will be required for miscellaneous horizontal surfaces and ventilation systems if they also exceed 25% of the applicable criteria.

(1) Note: See Table 11 for Survey descriptions.

Table 10 - Survey Protocol (Cont.)

Class ID #	Classification Description	Group Description	Maximum Unit Size	Grid Pattern Size	Unit Survey Points by Group	Surveys to be Conducted (1)	Comments
6 A	Site areas external to the buildings.	All surfaces.	N/A	5 meters by 5 meters.	10% scan of surface. 100% of grid intersects.	I J	No contamination external to the buildings is known or expected. Survey points will be biased towards traffic areas, low points, and results of surveys.
B		Unpaved surfaces.	N/A	N/A	30 points initially.	DK	
C		Paved surfaces.	N/A	N/A	30 points initially.	BD	
7 A	Building roofs.	Flat roofs only.	N/A	N/A - Random	30 points initially.	ABCDEFH	Survey points and scan to be biased towards ventilation exhaust, low points, etc. Smears will be taken where surface permits.
B	Roof ventilation points.		N/A	N/A	100%	ABEF	Meter-sized surveys will be performed where the size of the opening permits.
8 A	Trenches dug to remove the Monitored Drain Line.	Areas where there is no indication of pipe leakage or soil contamination.	N/A	N/A	Soil sample at each cut, joint, and locations not to exceed 10 feet between samples. Meter reading every 2 feet.	K J	Trenches will be backfilled upon completion of photography, soil sampling, and surveys. Unused soil sample volume to be retained for possible future analysis.
B		Areas where contamination was found in soil samples.	N/A	N/A	Resample area to confirm soil contamination then remove soil and resample on a 1 meter grid.	K J	
9	Streams adjacent to site.	All accessible streams.	N/A	N/A	Sample at outfalls and locations at least 50 meters upstream and downstream of outfalls.	K	The exact location of some sample points may be affected by the depth and current of the water.

(1) Note: See Table 11 for Survey Descriptions.

Table 11 - Survey Descriptions

Survey ID	Measure for:	Applicable Criteria		Maximum Value for MDA	Description / Comments
		Average	Maximum		
A	Alpha surface activity.	5000 dpm / 100 square centimeters. (Averaged over 1 square meter.)	15000 dpm / 100 square centimeters. (Averaged over 100 square centimeters.)	1250 dpm / 100 square centimeters.	
B	Beta surface activity.	5000 dpm / 100 square centimeters. (Averaged over 1 square meter.)	15000 dpm / 100 square centimeters. (Averaged over 100 square centimeters.)	1250 dpm / 100 square centimeters.	
C	Beta / Gamma dose rate at surface.	N/A	N/A	N/A	For information only.
D	Gamma dose rate at 1 meter.	5 micro-R / hour above background.	N/A	N/A	Can be averaged over 10 square meters indoors and 100 square meters outdoors. Static reading 1 meter from all surrounding surfaces.
E	Removable alpha activity.	N/A	1000 dpm / 100 square centimeters.	250 dpm / 100 square centimeters.	Smear sample of 100 square centimeters area.
F	Removable beta activity.	N/A	1000 dpm / 100 square centimeters.	250 dpm / 100 square centimeters.	Smear sample of 100 square centimeters area.
G	Surface scan for beta activity.	5000 dpm / 100 square centimeters.	15000 dpm / 100 square centimeters. (Averaged over 100 square centimeters.)	1250 dpm / 100 square centimeters	Scan using floor monitor at a maximum rate of 1 detector width / second.
H	Surface scan for beta activity in immediate vicinity of survey point.	5000 dpm / 100 square centimeters.	15000 dpm / 100 square centimeters. (Averaged over 100 square centimeters.)	1250 dpm / 100 square centimeters.	Scan 1 square meter using beta survey meter at a maximum rate of 1 detector width / second.
I	Surface scan for gamma activity.	N/A	N/A	N/A	Scan at rate of 0.5 meters / second to identify areas of elevated radiation for further evaluation.
J	Static surface measurement for gamma activity.	N/A	N/A	N/A	Designed to identify areas of elevated radiation to guide soil sampling and further evaluation.
K	Soil sampling.	30 PicoCuries / gram Averaged over 100 square centimeters.	$(100 / A)^{1/2}$ but < 3x.	N/A	Sample of about 500 grams of surface (0-15 cm).

TABLE 12
INSTRUMENT BACKGROUND RADIATION LEVELS

INSTRUMENT DESCRIPTION	RADIATION DETECTED	SURFACE DESCRIPTION	BACKGROUND RADIATION LEVEL	STANDARD DEVIATION	ACCEPTANCE CRITERIA VALUE	UNITS	BACKGROUND AS % OF ACCEPTANCE CRITERIA
	ALPHA SURFACE ACTIVITY						
EBERLINE MODEL ESP-2 WITH 100 cm2 PROBE AREA (MODEL HP-100A)	TOTAL ALPHA	ALL	3.4	2.4	5,000	dpm/100 cm2	0.07%
LUDLUM FLOOR MONITOR MODEL 239-1F WITH 434 cm2 PROBE AREA	TOTAL ALPHA	ALL	11.4	6.4	5,000	dpm/100 cm2	0.23%
EBERLINE MODEL PAC-4G WITH 50 cm2 PROBE AREA (MODEL AC-21)	TOTAL ALPHA	ALL	2.1	1.9	5,000	dpm/100 cm2	0.04%
EBERLINE MODEL ASP-1 WITH 50 cm2 PROBE AREA (MODEL AC-3)	TOTAL ALPHA	ALL	2.2	2.4	5,000	dpm/100 cm2	0.04%
	BETA SURFACE ACTIVITY						
EBERLINE MODEL ESP-2 WITH 100 cm2 PROBE AREA (MODEL HP-100A)	TOTAL BETA	ALL-INTERIOR	1184	88.8	5,000	dpm/100 cm2	23.7%
		ALL-EXTERIOR	1394	132.3	5,000	dpm/100 cm2	27.9%
LUDLUM FLOOR MONITOR MODEL 239-1F WITH 434 cm2 PROBE AREA	TOTAL BETA	ALL	399	67.5	5,000	dpm/100 cm2	8.0%
EBERLINE MODEL PAC-4G WITH 50 cm2 PROBE AREA (MODEL AC-21B)	TOTAL BETA	ALL	106	20.2	5,000	dpm/100 cm2	2.1%
EBERLINE MODEL E-520 WITH PANCAKE PROBE OF 15 cm2 AREA	TOTAL BETA	ALL-INTERIOR	124	21.9	5,000	dpm/100 cm2	2.5%
		ALL-EXTERIOR	142	41.3	5,000	dpm/100 cm2	2.8%
	SURFACE DOSE RATE						
EBERLINE MODEL ESP-2 WITH HP-270 PROBE	BETA/GAMMA DOSE RATE @ SURFACE	ALL	0.023	0.025	1	mr/hr	2.3%
EBERLINE MODEL E-520 WITH HP-270 PROBE	BETA/GAMMA DOSE RATE @ SURFACE	ALL	0.014	0.004	1	mr/hr	1.4%
	GAMMA DOSE RATE @ 1 METER						
EBERLINE MODEL PRM-7 MICRO-R SURVEY METER	GAMMA DOSE RATE @ 1m ABOVE SURFACE	ALL-INTERIOR	10.63	2.06	15.6	microR/hr	68%
		ALL-EXTERIOR	13.00	3.06	18.0	microR/hr	72%
REUTER-STOKES PRESSURIZED ION CHAMBER	GAMMA DOSE RATE @ 1m ABOVE SURFACE	ALL-INTERIOR	9.52	1.11	14.5	microR/hr	66%
		ALL-EXTERIOR	10.75	2.25	15.8	microR/hr	68%

TABLE 12 (CON'T)
INSTRUMENT BACKGROUND RADIATION LEVELS

INSTRUMENT DESCRIPTION	RADIATION DETECTED	SURFACE DESCRIPTION	BACKGROUND RADIATION LEVEL	STANDARD DEVIATION	ACCEPTANCE CRITERIA VALUE	UNITS	BACKGROUND AS % OF ACCEPTANCE CRITERIA
ALPHA/BETA SMEAR SURVEYS (1)							
EBERLINE MODEL SAC-4	REMOVABLE ALPHA	ALL	0.43	0.25	1,000	dpm/100 cm2	0.04%
TENNELEC MODEL LB-5100	REMOVABLE ALPHA	ALL	0.15	0.06	1,000	dpm/100 cm2	0.02%
EBERLINE MODEL HS-3	REMOVABLE BETA	ALL	96.1	13.0	1,000	dpm/100 cm2	9.6%
EBERLINE MODEL BC-4	REMOVABLE BETA	ALL	150.3	9.0	1,000	dpm/100 cm2	15%
TENNELEC MODEL LB-5100	REMOVABLE BETA	ALL	2.82	0.16	1,000	dpm/100 cm2	0.28%

TABLE 13

GAMMA SPECTROMETRY ANALYSIS OF BACKGROUND SOIL SAMPLES

PROJECT ID NO.	ANALYTICAL LABCRATORY ID NUMBER	K-40 pCi/gram	U-235 pCi/gram	Ra-226 pCi/gram	Ra-228 pCi/gram	Th-228 pCi/gram	Cs-137 pCi/gram	#	LOCATION
528	92-3044	9.92E+00	< 3.40E-01	1.53E+00	2.35E+00	1.33E+00	< 3.30E-01	##	ON-SITE
529	92-3045	1.31E+01	< 1.80E-01	9.17E-01	2.27E+00	1.34E+00	< 2.50E-01	##	ON-SITE
530	92-3046	1.06E+01	< 4.50E-01	1.11E+00		1.59E+00	8.73E-01	##	ON-SITE
531	92-3047	1.35E+01	< 4.70E-01	1.38E+00		1.73E+00	6.76E-01	##	ON-SITE
532	92-3048	1.19E+01	4.47E-01	1.08E+00	1.62E+00	8.16E-01	< 3.10E-01	##	ON-SITE
533	92-3049	1.47E+01	2.03E-01	8.21E-01	< 1.10E+00		5.75E-01	##	ON-SITE
547	92-3190	2.26E+01	2.45E-01	9.89E-01	2.06E+00	1.65E+00	< 2.60E-01	##	OFF-SITE
548	92-3191	1.46E+01	3.51E-01	9.21E-01		1.43E+00	< 3.00E+00	##	OFF-SITE
549	92-3192	1.04E+01	3.10E-01	7.80E-01	< 1.40E+00	1.16E+00	< 2.50E-01	##	OFF-SITE
550	92-3193	1.38E+01	< 2.40E-01	7.42E-01		2.27E+00	3.22E-01	##	OFF-SITE
STASTICAL ANALYSIS									
MINIMUM		9.92E+00	1.80E-01	7.42E-01	1.10E+00	8.16E-01	2.50E-01		
MAXIMUM		2.26E+01	4.70E-01	1.53E+00	2.35E+00	2.27E+00	3.00E+00		
AVERAGE		1.35E+01	3.24E-01	1.03E+00	1.80E+00	1.48E+00	6.85E-01		
STD. DEVIATION		3.45E+00	1.01E-01	2.44E-01	4.61E-01	3.82E-01	7.98E-01		
ON-SITE LOCATIONS									
MINIMUM		9.92E+00	1.80E-01	8.21E-01	1.10E+00	8.16E-01	2.50E-01		
MAXIMUM		1.47E+01	4.70E-01	1.53E+00	2.35E+00	1.73E+00	8.73E-01		
AVERAGE		1.23E+01	3.48E-01	1.14E+00	1.84E+00	1.36E+00	5.02E-01		
STD. DEVIATION		1.66E+00	1.19E-01	2.47E-01	5.10E-01	3.12E-01	2.25E-01		
OFF-SITE LOCATIONS									
MINIMUM		1.04E+01	2.40E-01	7.42E-01	1.40E+00	1.16E+00	2.50E-01		
MAXIMUM		2.26E+01	3.51E-01	9.89E-01	2.06E+00	2.27E+00	3.00E+00		
AVERAGE		1.54E+01	2.87E-01	8.58E-01	1.73E+00	1.63E+00	9.58E-01		
STD. DEVIATION		4.47E+00	4.64E-02	1.01E-01	3.30E-01	4.10E-01	1.18E+00		

TABLE 14

ALPHA SPECTROMETRY ANALYSIS OF BACKGROUND SOIL SAMPLES

PROJECT ID NO.	ANALYTICAL LABORATORY ID NUMBER	U-238 pCi/gram	U-235 pCi/gram	U-234 pCi/gram	U-233 pCi/gram	U-TOTAL pCi/gram	PERCENT U-235 (weight %)
528	92-3044	1.01E+00	5.11E-02	1.10E+00	< 1.10E-02	2.17E+00	0.78%
529	92-3045	1.84E-01	4.34E-02	2.65E-01	< 2.20E-02	5.14E-01	3.54%
530	92-3046	2.64E-01	< 1.10E-02	2.45E-01	< 9.60E-03	5.30E-01	0.64%
531	92-3047	4.59E-01	3.03E-02	4.91E-01	< 9.60E-03	9.90E-01	1.02%
532	92-3048	4.89E-01	2.72E-02	3.62E-01	< 8.60E-03	8.87E-01	0.86%
533	92-3049	4.19E-01	< 2.00E-02	3.69E-01	< 2.40E-02	8.32E-01	0.74%
547	92-3190	4.51E-01	3.15E-02	5.40E-01	< 2.40E-02	1.05E+00	1.07%
548	92-3191	5.88E-01	< 3.20E-01	5.99E-01	< 1.80E-02	1.52E+00	7.80%
549	92-3192	3.34E-01	4.55E-02	4.23E-01	< 2.80E-02	8.31E-01	2.07%
550	92-3193	2.87E-01	< 1.80E-02	2.15E-01	< 1.20E-02	5.32E-01	0.97%
STASTICAL ANALYSIS							
MINIMUM		1.84E-01	1.10E-02	2.15E-01	8.60E-03	5.14E-01	0.64%
MAXIMUM		1.01E+00	3.20E-01	1.10E+00	2.80E-02	2.17E+00	7.80%
AVERAGE		4.49E-01	5.98E-02	4.61E-01	1.67E-02	9.86E-01	1.95%
STD. DEVIATION		2.19E-01	8.76E-02	2.45E-01	6.96E-03	4.89E-01	2.12%

TABLE 15

COMPARISON OF MEASUREMENT UNITS

DESCRIPTION OF RADIOLOGICAL MEASUREMENT	UNITS OF MEASUREMENTS	UNITS AFTER DATA CONVERSION	UNITS OF RADIOLOGICAL ACCEPTANCE CRITERIA
Alpha Surface Activity (Fixed Measurement)	CPM (Counts integrated for 1 min.)	DPM/100 om^2 *	DPM/100 om^2
Beta Surface Activity (Fixed Measurement)	CPM (Counts integrated for 1 min.)	DPM/100 om^2 *	DPM/100 om^2
Surface Scan for Alpha Activity	CPM (Count rate)	DPM/100 om^2 *	DPM/100 om^2
Surface Scan for Beta Activity	CPM (Count rate)	DPM/100 om^2 *	DPM/100 om^2
Removable Alpha Activity (Swipe Test)	CPM per Swipe	DPM/100 om^2 *	DPM/100 om^2
Removable Beta Activity (Swipe Test)	CPM per Swipe	DPM/100 om^2 *	DPM/100 om^2
Beta/Gamma Dose Rate (On Contact with Surface)	mr/hr	mr/hr	mr/hr
Gamma Dose Rate at 1 meter from surface	microR/hr	microR/hr	microR/hr
Gamma Spectroscopy Analysis of Sample	pico Curies of U-235 per gram of media	pico Curies of Uranium per g media	pico Curies of Uranium per gram of media (pCi/g)
Alpha Spectroscopy Analysis of Sample	pico Curies of Uranium isotopes per gam of media	pico Curies of Uranium per gram of media	pico Curies of Uranium per gram of media (pCi/g)

NOTES: * Data was adjusted to subtract background radiation levels.

** A value of 30 was determined to be applicable for the ratio of Uranium-total activity to the Uranium-235 activity. (See Report #007 for justification).

TABLE 16
PAGE 1
SUMMARY OF PRELIMINARY SURVEY RESULTS

Building Location	Appendix	Number of Survey Points	Removable Activity ($dpm/100cm^2$) Alpha	Removable Activity ($dpm/100cm^2$) Beta	Total Activity ($dpm/100cm^2$) Alpha	Total Activity ($dpm/100cm^2$) Beta	Comments
	(1)		(2)	(3)	(4)	(5)	
Building 4, Basement	A	86	<MDA	<MDA	<MDA	<MDA	
Building 5, First Floor, Plant Area	B	116	< MDA	<MDA	<MDA	<MDA	
Building 5 First Floor Office Area	B	22	<MDA	<MDA	<MDA	<MDA	
Building 5, First Floor, Areas where floor tile was removed.	B	5	--	--	<MDA	<MDA	One higher beta/ gamma reading was later found to be due to small piece of Co-60 in buried drain line.
Building 5, Second Floor	C	55	<MDA	<MDA	<MDA	<MDA	
Building 5, Third Floor	D	27	<MDA	<MDA	<MDA	<MDA	
Building 6, First Floor North Section	E	42	<MDA	<MDA	<MDA	<MDA	
Building 6, First Floor, Center Section	E	26	<MDA	<MDA	<MDA	<MDA	
Building 6, First Floor South Section	E	41	<MDA	<MDA	<MDA	<MDA	
Building 6, First Floor Inside Ventilation Ductwork	E	2	<MDA	<MDA	<MDA	<MDA	

TABLE 16 (CON'T)
PAGE 2
SUMMARY OF PRELIMINARY SURVEY RESULTS

Building Location	Appendix (1)	Number of Survey Points	Removable Activity ($dpm/100cm^2$) Alpha (2)	Beta (3)	Total Activity ($dpm/100cm^2$) Alpha (4)	Beta (5)	Comments
Building 6, Second Floor	F	40	<MDA	<MDA	<MDA	<MDA	
Building 6A, First Floor,	G	54	< MDA	<MDA	<MDA	<MDA	
Building 6A, First Floor Inside Ventilation Ductwork	G	4	<MDA	<MDA	<MDA	<MDA	
Building 7, First Floor,	H	80	<MDA	<MDA	<MDA	<MDA	One beta smear and 5 beta survey points appeared to be detectable above background.
Building 8A, First Floor, Center Section where MDL was to be removed.	I	27	<MDA	<MDA	<MDA	<MDA	
Building 8A First Floor North and South Sections where MDL was to be removed.	I	66	<MDA	<MDA	<MDA	<MDA	
Building 9, Basement Floor	J	57	<34	<MDA	<2640	<425	Four survey points showed detectable activity.
Building 9, Basement, Floor above floor drain line.	J	10	---	---	<MDA	<MDA	

TABLE 16 (CON'T)
PAGE 3
SUMMARY OF PRELIMINARY SURVEY RESULTS

Building Location	Appendix	Number of Survey Points	Removable Activity ($dpm/100cm^2$) Alpha	Beta	Total Activity ($dpm/100cm^2$) Alpha	Beta	Comments
	(1)		(2)	(3)	(4)	(5)	
Building 9, Basement North Wall	J	15	---	---	<MDA	<MDA	
Building 9, Basement East Wall	J	54	---	---	<MDA	<MDA	
Building 9, Basement West Wall	J	54	---	---	<MDA	<MDA	
Building 9, Basement, South Wall	J	15	---	---	<MDA	<MDA	
Building 9, First Floor, East Section	K	69	<MDA	<MDA	<MDA	<MDA	
Building 9 First Floor West Section	K	54	<MDA	<MDA	<MDA	<MDA	
Building 9, First Floor Inside Ventilation Ductwork.	K	2	<MDA	<MDA	<MDA	<MDA	
Hydrogen Facility (Paint Spray Facility)	L	21	<MDA	<MDA	<MDA	<MDA	
		1044					

TABLE 16 (CON'T)
PAGE 4
SUMMARY OF PRELIMINARY SURVEY RESULTS

NOTES:

1) The survey data sheets are located in the referenced Appendix to Report #006.

2) The minimum detectable activity is approximately 15 to 20 dpm/100 cm^2.

3) The minimum detectable activity is approximately 100 to 150 dpm/100 cm^2.

4) The minimum detectable activity is approximately 50 to 100 dpm/100cm^2/

5) The minimum detectable activity is approximately 250 to 1200 dpm/100 cm^2.

TABLE 17
STATISTICAL SUMMARY OF SOIL SAMPLE DATA TAKEN FOLLOWING FOLLOWING REMOVAL OF THE MONITORED DRAIN LINE SYSTEM

Number of Soil Samples Taken:	385
Maximum Result (pCi/gram U-235):	1.50E+00
Minimum Result (pCi/gram U-235):	<6.50E-02
Average Result (pCi/gram U-235):	3.14E-01
Standard Deviation:	1.73E-01
Limit Criteria (pCi/gram U-235):	1.0E+00 (1)
Data Test Parameter:	3.82E-01 (2)
Does the Data Pass the Limit Test:	Yes (3)
Number of Samples Factor:	3.957 (4)
Were a Sufficient Number of Samples Taken:	Yes (5)

Notes:

1) This working criteria of 1 pCi/gram U-235 is equivalent to the established criteria of 30 pCi/gram U-total for enriched uranium.

2) The "Data Test Parameter" is calculated from Eq. 8-13 on page 8.10 of NUREG/CR-5849 (Draft).

3) When the "Data Test Parameter" is less than the limit value established for the measurement, the measurement being tested meets the limit at the 95% Confidence Level.

4) The "Number of Samples Factor" is calculated based on Table B-2 of NUREG/CR-5849 (Draft).

5) Using the "Number of Samples Factor", Table B-2 of NUREG/CR-5859 (Draft) is used to determine the number of samples that would be required to demonstrate the acceptance limit, assuming a desired false positive rate of 5% and a false negative rate of 10%.

TABLE 18
SUMMARY OF FLOOR SCAN MEASUREMENTS

LOCATION CODE	SURFACE DESCRIPTION	EST % SCANNED	SCAN SURVEY MAXIMUM	SCAN SURVEY AVERAGE	ACCEPTANCE CRITERIA MAXIMUM	ACCEPTANCE CRITERIA AVERAGE	% OF ACCEPTANCE CRITERIA MAXIMUM	% OF ACCEPTANCE CRITERIA AVERAGE	MINIMUM DETECTABLE ACTIVITY	RATIO OF MAX TO MDA	RATIO OF AVG TO MDA	UNITS FOR ALL VALUES
BETA SCANS												
1-1-1	Floor	80%	292	148	15,000	5,000	1.95%	2.96%	127	2.3	1.2	DPM/100 cm^2
1-1-2	Floor	100%	74	14	15,000	5,000	0.49%	0.27%	127	0.6	0.1	DPM/100 cm^2
1-1-3	Floor	60%	134	34	15,000	5,000	0.89%	0.67%	127	1.1	0.3	DPM/100 cm^2
1-1-4	Floor	60%	177	-23	15,000	5,000	1.18%	-0.46%	127	1.4	-0.2	DPM/100 cm^2
1-1-5	Floor	60%	146	22	15,000	5,000	0.98%	0.45%	127	1.2	0.2	DPM/100 cm^2
1-3-1	Floor tile	50%	143	26	15,000	5,000	0.95%	0.53%	127	1.1	0.2	DPM/100 cm^2
1-3-2	Floor tile	100%	199	6	15,000	5,000	1.33%	0.13%	127	1.6	0.1	DPM/100 cm^2
1-3-3	Floor tile	50%	263	26	15,000	5,000	1.75%	0.53%	127	2.1	0.2	DPM/100 cm^2
1-3-4	Tile on concrete	90%	395	90	15,000	5,000	2.63%	1.80%	127	3.1	0.7	DPM/100 cm^2
1-4-1	Tile and concrete	70%	56	-15	15,000	5,000	0.38%	-0.30%	127	0.4	-0.1	DPM/100 cm^2
1-4-3	Floor tile	60%	453	198	15,000	5,000	3.02%	3.92%	127	3.6	1.5	DPM/100 cm^2
1-4-4	Floor tile	60%	118	4	15,000	5,000	0.78%	0.08%	127	0.9	0.0	DPM/100 cm^2
1-5-2	Tile on concrete	60%	353	152	15,000	5,000	2.35%	3.05%	127	2.8	1.2	DPM/100 cm^2
1-5-3	Tile on concrete	60%	91	3	15,000	5,000	0.61%	0.06%	127	0.7	0.0	DPM/100 cm^2
1-6-1	Floor tile	60%	165	70	15,000	5,000	1.10%	1.41%	127	1.3	0.6	DPM/100 cm^2
1-6-2	Floor tile	40%	240	102	15,000	5,000	1.60%	2.05%	127	1.9	0.8	DPM/100 cm^2
1-6-3	Tile on concrete	80%	268	90	15,000	5,000	1.79%	1.80%	127	2.1	0.7	DPM/100 cm^2
1-7-1	Brick tile	70%	283	-47	15,000	5,000	1.89%	-0.93%	127	2.2	-0.4	DPM/100 cm^2
1-8-1	Tile on concrete	90%	264	0	15,000	5,000	1.76%	0.00%	127	2.1	0.0	DPM/100 cm^2
1-8-2	Carpet on concrete	80%	193	-3	15,000	5,000	1.29%	-0.06%	127	1.5	0.0	DPM/100 cm^2
1-8-3	Carpet on concrete	90%	463	140	15,000	5,000	3.09%	2.80%	127	3.6	1.1	DPM/100 cm^2
1-8-4	Carpet on concrete	100%	348	215	15,000	5,000	2.32%	4.29%	127	2.7	1.7	DPM/100 cm^2
1-8-5	Concrete	100%	370	152	15,000	5,000	2.47%	3.05%	127	2.9	1.2	DPM/100 cm^2
1-8-8	Tile on concrete	80%	202	44	15,000	5,000	1.35%	0.87%	127	1.6	0.3	DPM/100 cm^2
1-9-1	Tile on concrete	50%	954	-3	15,000	5,000	6.36%	-0.06%	127	7.5	0.0	DPM/100 cm^2
1-9-2	Tile on concrete	60%	39	-96	15,000	5,000	0.26%	-1.93%	127	0.3	-0.8	DPM/100 cm^2
1-9-3	Tile on concrete	75%	207	-34	15,000	5,000	1.38%	-0.68%	127	1.6	-0.3	DPM/100 cm^2
1-9-4	Floor tile	50%	215	90	15,000	5,000	1.43%	1.79%	127	1.7	0.7	DPM/100 cm^2
1-10-1	Tile on concrete	70%	201	18	15,000	5,000	1.34%	0.36%	127	1.6	0.1	DPM/100 cm^2
1-10-3	Tile on concrete	80%	233	121	15,000	5,000	1.55%	2.43%	127	1.8	1.0	DPM/100 cm^2
1-10-4	Tile on concrete	70%	220	58	15,000	5,000	1.46%	1.13%	127	1.7	0.4	DPM/100 cm^2
1-10-5	Tile on concrete	80%	140	26	15,000	5,000	0.93%	0.52%	127	1.1	0.2	DPM/100 cm^2
2-1-1	TILE/CONCRETE	80%	-2	-60	15,000	5,000	-0.02%	-1.20%	127	0.0	-0.5	DPM/100 cm^2
2-1-2	CARPET	80%	273	216	15,000	5,000	1.82%	4.32%	127	2.2	1.7	DPM/100 cm^2
2-1-3	CARPET	80%	297	240	15,000	5,000	1.98%	4.80%	127	2.3	1.9	DPM/100 cm^2
2-1-4	TILE	100%	105	14	15,000	5,000	0.70%	0.27%	127	0.8	0.1	DPM/100 cm^2
2-1-5	TILE	100%	105	14	15,000	5,000	0.70%	0.27%	127	0.8	0.1	DPM/100 cm^2
2-1-6	TILE	100%	105	14	15,000	5,000	0.70%	0.27%	127	0.8	0.1	DPM/100 cm^2
2-1-7	TILE	100%	72	-88	15,000	5,000	0.48%	-1.73%	127	0.6	-0.7	DPM/100 cm^2
2-1-9	TILE ON CONCRETE	80%	165	38	15,000	5,000	1.10%	0.75%	127	1.3	0.3	DPM/100 cm^2
2-2-1	TILE	90%	75	-12	15,000	5,000	0.50%	-0.24%	127	0.6	-0.1	DPM/100 cm^2
2-2-2	TILE	90%	75	-12	15,000	5,000	0.50%	-0.24%	127	0.6	-0.1	DPM/100 cm^2
2-2-3	TILE	90%	75	-12	15,000	5,000	0.50%	-0.24%	127	0.6	-0.1	DPM/100 cm^2
2-2-4	TILE	90%	75	-12	15,000	5,000	0.50%	-0.24%	127	0.6	-0.1	DPM/100 cm^2
2-2-5	TILE	90%	166	48	15,000	5,000	1.10%	0.96%	127	1.3	0.4	DPM/100 cm^2
2-2-6	TILE	90%	166	48	15,000	5,000	1.10%	0.96%	127	1.3	0.4	DPM/100 cm^2
2-2-7	TILE	90%	166	48	15,000	5,000	1.10%	0.96%	127	1.3	0.4	DPM/100 cm^2
2-2-8	TILE	100%	166	61	15,000	5,000	1.11%	1.22%	127	1.3	0.5	DPM/100 cm^2
2-2-9	TILE	100%	138	61	15,000	5,000	0.92%	1.22%	127	1.1	0.5	DPM/100 cm^2
2-2-10	TILE	80%	181	61	15,000	5,000	1.20%	1.22%	127	1.4	0.5	DPM/100 cm^2
2-2-11	TILE	80%	181	61	15,000	5,000	1.20%	1.22%	127	1.4	0.5	DPM/100 cm^2
2-2-12	TILE	80%	181	61	15,000	5,000	1.20%	1.22%	127	1.4	0.5	DPM/100 cm^2
2-4-1	TILE	80%	272	105	15,000	5,000	1.81%	2.09%	127	2.1	0.8	DPM/100 cm^2
2-4-2	TILE	100%	253	105	15,000	5,000	1.69%	2.09%	127	2.0	0.8	DPM/100 cm^2
2-4-6,7	TILE	100%	110	65	15,000	5,000	0.73%	1.30%	127	0.9	0.5	DPM/100 cm^2
2-4-9	TILE	100%	113	85	15,000	5,000	0.75%	1.70%	127	0.9	0.7	DPM/100 cm^2
3-1-1	TILE	100%	190	110	15,000	5,000	1.27%	2.21%	127	1.5	0.8	DPM/100 cm^2

TABLE 18 (CON'T)
SUMMARY OF FLOOR SCAN MEASUREMENTS

LOCATION CODE	SURFACE DESCRIPTION	EST % SCANNED	SCAN SURVEY MAXIMUM	SCAN SURVEY AVERAGE	ACCEPTANCE CRITERIA MAXIMUM	ACCEPTANCE CRITERIA AVERAGE	% OF ACCEPTANCE CRITERIA MAXIMUM	% OF ACCEPTANCE CRITERIA AVERAGE	MINIMUM DETECTABLE ACTIVITY	RATIO OF MAX TO MDA	RATIO OF AVG TO MDA	UNITS FOR ALL VALUES
3-1-2	TILE	100%	112	50	15,000	5,000	0.75%	1.01%	127	0.9	0.4	DPM/100 cm^2
3-1-3	TILE	100%	174	130	15,000	5,000	1.16%	2.81%	127	1.4	1.0	DPM/100 cm^2
3-1-6	TILE	100%	196	110	15,000	5,000	1.31%	2.21%	127	1.5	0.9	DPM/100 cm^2
4-1-1	TILE	30%	290	153	15,000	5,000	1.93%	3.05%	127	2.3	1.2	DPM/100 cm^2
4-1-2	TILE	80%	106	-31	15,000	5,000	0.71%	-0.62%	127	0.8	-0.2	DPM/100 cm^2
4-2-1	TILE	50%	154	23	15,000	5,000	1.03%	0.46%	127	1.2	0.2	DPM/100 cm^2
4-3-1	BENEATH ATMOSPHERE OVEN	80%	567	303	15,000	5,000	3.78%	6.05%	269	2.1	1.1	DPM/100 cm^2
4-3-1	BENEATH ATMOSPHERE OVEN	80%	535	274	15,000	5,000	3.57%	5.47%	269	2.0	1.0	DPM/100 cm^2
4-3-1	TILE	50%	84	-15	15,000	5,000	0.56%	-0.30%	127	0.7	-0.1	DPM/100 cm^2
4-3-1	BENEATH ATMOSPHERE OVEN	80%	614	404	15,000	5,000	4.09%	8.09%	269	2.3	1.5	DPM/100 cm^2
4-4-1	TILE	80%	177	-28	15,000	5,000	1.18%	-0.56%	127	1.4	-0.2	DPM/100 cm^2
4-4-2	TILE	75%	213	78	15,000	5,000	1.42%	1.52%	127	1.7	0.6	DPM/100 cm^2
4-4-3	TILE	50%	84	49	15,000	5,000	0.56%	0.99%	127	0.7	0.4	DPM/100 cm^2
4-4-4	TILE	70%	-61	-99	15,000	5,000	-0.41%	-1.98%	127	-0.5	-0.8	DPM/100 cm^2
4-5-1	TILE	60%	52	18	15,000	5,000	0.35%	0.32%	127	0.4	0.1	DPM/100 cm^2
4-5-7	TILE	90%	119	24	15,000	5,000	0.79%	0.49%	127	0.9	0.2	DPM/100 cm^2
5-1-1	TILE	40%	133	38	15,000	5,000	0.89%	0.76%	127	1.0	0.3	DPM/100 cm^2
5-2-1	TILE ON CONCRETE	50%	193	72	15,000	5,000	1.29%	1.44%	127	1.5	0.6	DPM/100 cm^2
5-2-2	TILE	40%	133	38	15,000	5,000	0.89%	0.76%	127	1.0	0.3	DPM/100 cm^2
6-1-1	FLOOR TILE/CONCRETE	50%	74	-38	15,000	5,000	0.49%	-0.73%	127	0.6	-0.3	DPM/100 cm^2
6-1-2	PAINTED CONCRETE	50%	109	19	15,000	5,000	0.73%	0.38%	127	0.9	0.1	DPM/100 cm^2
6-1-3	FLOOR TILE/CONCRETE	60%	38	-67	15,000	5,000	0.25%	-1.34%	127	0.3	-0.5	DPM/100 cm^2
6-1-4	PAINTED CONCRETE	50%	351	80	15,000	5,000	2.34%	1.60%	127	2.8	0.6	DPM/100 cm^2
6-2-1	FLOOR TILE/CONCRETE	50%	89	-52	15,000	5,000	0.59%	-1.03%	127	0.7	-0.4	DPM/100 cm^2
6-3-1	PAINTED CONCRETE	35%	160	-21	15,000	5,000	1.06%	-0.41%	127	1.3	-0.2	DPM/100 cm^2
7-1-1	FLOOR TILE	60%	157	38	15,000	5,000	1.05%	0.78%	127	1.2	0.3	DPM/100 cm^2
7-1-2	FLOOR TILE	50%	109	78	15,000	5,000	0.73%	1.52%	127	0.9	0.6	DPM/100 cm^2
7-2-2	FLOOR, CONCRETE	50%	235	152	15,000	5,000	1.57%	3.04%	127	1.9	1.2	DPM/100 cm^2
7-3-1	FLOOR, CONCRETE	70%	198	152	15,000	5,000	1.32%	3.04%	127	1.6	1.2	DPM/100 cm^2
7-4-1	PAINTED CONCRETE	45%	79	-51	15,000	5,000	0.53%	-1.02%	127	0.6	-0.4	DPM/100 cm^2
7-4-2	TILED FLOOR	20%	41	-1	15,000	5,000	0.27%	-0.02%	127	0.3	0.0	DPM/100 cm^2
7-4-3	PAINTED CONCRETE	40%	5	-40	15,000	5,000	0.03%	-0.79%	127	0.0	-0.3	DPM/100 cm^2
7-4-4	TILED FLOOR	50%	147	70	15,000	5,000	0.98%	1.40%	127	1.2	0.6	DPM/100 cm^2
7-4-7	TILED FLOOR	100%	123	69	15,000	5,000	0.82%	1.38%	127	1.0	0.5	DPM/100 cm^2
8-1-1	Tile on Concrete	30%	45	-143	15,000	5,000	0.30%	-2.86%	127	0.4	-1.1	DPM/100 cm^2
8-1-2	Tile on Concrete	70%	262	123	15,000	5,000	1.75%	2.46%	127	2.1	1.0	DPM/100 cm^2
8-1-3	Tile on Concrete	99%	13	-128	15,000	5,000	0.09%	-2.55%	127	0.1	-1.0	DPM/100 cm^2
8-1-4	Tile on Concrete	99%	22	-67	15,000	5,000	0.15%	-1.34%	127	0.2	-0.5	DPM/100 cm^2
8-1-5	Tile on Concrete	100%	125	-3	15,000	5,000	0.83%	-0.06%	127	1.0	0.0	DPM/100 cm^2
8-2-1	Tile on Concrete	30%	35	-90	15,000	5,000	0.23%	-1.79%	127	0.3	-0.7	DPM/100 cm^2
8-2-2	Tile on Concrete	100%	68	-28	15,000	5,000	0.46%	-0.52%	127	0.5	-0.2	DPM/100 cm^2
8-3-1	Tile on Concrete	80%	136	-8	15,000	5,000	0.91%	-0.13%	127	1.1	-0.1	DPM/100 cm^2
8-3-4	Ceramic Tile	98%	1473	1273	15,000	5,000	9.82%	25.46%	127	11.6	10.0	DPM/100 cm^2
8-3-5	Ceramic Tile	98%	1472	1273	15,000	5,000	9.81%	25.46%	127	11.6	10.0	DPM/100 cm^2
8-3-6	Tile/Carpet concrete	30%	146	26	15,000	5,000	0.97%	0.52%	127	1.1	0.2	DPM/100 cm^2
8-3-7	Tile on Concrete	25%	70	-65	15,000	5,000	0.47%	-1.30%	127	0.6	-0.5	DPM/100 cm^2
8-3-8	Tile on Concrete	40%	-30	-97	15,000	5,000	-0.20%	-1.93%	127	-0.2	-0.8	DPM/100 cm^2
8-4-4	Tile on Concrete	75%	-64	-185	15,000	5,000	-0.43%	-3.69%	127	-0.5	-1.5	DPM/100 cm^2
8-4-5	Tile on Concrete	40%	9	-145	15,000	5,000	0.06%	-2.89%	127	0.1	-1.1	DPM/100 cm^2
8-4-8	Tile on Concrete	75%	27	-121	15,000	5,000	0.18%	-2.41%	127	0.2	-1.0	DPM/100 cm^2
8-5-1	Tile on Concrete	40%	165	42	15,000	5,000	1.10%	0.84%	127	1.3	0.3	DPM/100 cm^2
8-5-2	Tile on Concrete	95%	141	34	15,000	5,000	0.94%	0.68%	127	1.1	0.3	DPM/100 cm^2
8-5-3	Tile on Concrete	95%	151	27	15,000	5,000	1.01%	0.53%	127	1.2	0.2	DPM/100 cm^2
8-5-5	Tile on Concrete	90%	116	-97	15,000	5,000	0.78%	-1.95%	127	0.9	-0.8	DPM/100 cm^2
8-5-8	Tile on Concrete	95%	194	118	15,000	5,000	1.29%	2.36%	127	1.5	0.9	DPM/100 cm^2
8-5-7	Tile on Concrete	95%	187	118	15,000	5,000	1.25%	2.36%	127	1.5	0.9	DPM/100 cm^2
8-1-1	CONCRETE/STEEL-SUMP AREA	100%	-26	-175	15,000	5,000	-0.17%	-3.48%	269	-0.1	-0.6	DPM/100 cm^2
9-1-1	CONCRETE/S.E. CORNER FLOOR	100%	416	134	15,000	5,000	2.77%	2.68%	269	1.5	0.5	DPM/100 cm^2
10-2-1	TILE ON CONCRETE	50%	218	133	15,000	5,000	1.46%	2.65%	127	1.7	1.0	DPM/100 cm^2

TABLE 18 (CON'T)
SUMMARY OF FLOOR SCAN MEASUREMENTS

LOCATION CODE	SURFACE DESCRIPTION	EST % SCANNED	SCAN SURVEY MAXIMUM	SCAN SURVEY AVERAGE	ACCEPTANCE CRITERIA MAXIMUM	ACCEPTANCE CRITERIA AVERAGE	% OF ACCEPTANCE CRITERIA MAXIMUM	% OF ACCEPTANCE CRITERIA AVERAGE	MINIMUM DETECTABLE ACTIVITY	RATIO OF MAX TO MDA	RATIO OF AVG TO MDA	UNITS FOR ALL VALUES
10-2-2	PAINTED CONCRETE	50%	70	-54	15,000	5,000	0.47%	-1.08%	127	0.6	-0.4	DPM/100 cm^2
10-2-3	TILE ON CONCRETE	50%	21	-70	15,000	5,000	0.14%	-1.39%	127	0.2	-0.5	DPM/100 cm^2
10-2-4	TILE ON CONCRETE	50%	-42	-132	15,000	5,000	-0.28%	-2.64%	127	-0.3	-1.0	DPM/100 cm^2
10-3-1	PAINT ON CONCRETE	50%	140	28	15,000	5,000	0.93%	0.56%	127	1.1	0.2	DPM/100 cm^2
10-3-2	PAINT ON CONCRETE	50%	153	-3	15,000	5,000	1.02%	-0.06%	127	1.2	0.0	DPM/100 cm^2
10-3-2	PAINTED CONCRETE	50%	119	24	15,000	5,000	0.79%	0.47%	127	0.9	0.2	DPM/100 cm^2
10-3-3	PAINT ON CONCRETE	50%	197	-34	15,000	5,000	1.31%	-0.68%	127	1.6	-0.3	DPM/100 cm^2
10-3-4	PAINT ON CONCRETE	50%	101	-65	15,000	5,000	0.67%	-1.31%	127	0.8	-0.5	DPM/100 cm^2
10-3-5	PAINT ON CONCRETE	50%	140	-103	15,000	5,000	0.93%	-2.05%	127	1.1	-0.8	DPM/100 cm^2
10-4-1	TILE ON CONCRETE	50%	146	-32	15,000	5,000	0.97%	-0.63%	127	1.2	-0.2	DPM/100 cm^2
10-4-2	TILE ON CONCRETE	50%	146	-32	15,000	5,000	0.97%	-0.63%	127	1.2	-0.2	DPM/100 cm^2
10-4-3	CPT ON TILE FLOOR	50%	-41	-32	15,000	5,000	-0.27%	-0.63%	127	-0.3	-0.2	DPM/100 cm^2
10-4-3 TO 7	TILE & CONCRETE **	60%	150	40	15,000	5,000	1.00%	0.80%	127	1.2	0.3	DPM/100 cm^2
10-4-4	CARPET ON TILE	50%	59	-128	15,000	5,000	0.39%	-2.55%	127	0.5	-1.0	DPM/100 cm^2
10-4-5	TILE ON CONCRETE	50%	124	-1	15,000	5,000	0.83%	-0.01%	127	1.0	0.0	DPM/100 cm^2
10-4-6	CARPET ON TILE	50%	105	-96	15,000	5,000	0.70%	-1.93%	127	0.8	-0.8	DPM/100 cm^2
10-4-7	CARPET ON TILE	50%	140	-19	15,000	5,000	0.93%	-0.37%	127	1.1	-0.1	DPM/100 cm^2
10-5-1	TILE ON CONCRETE	30%	167	-32	15,000	5,000	1.12%	-0.63%	127	1.3	-0.2	DPM/100 cm^2
10-5-2	TILE ON CONCRETE	30%	62	-63	15,000	5,000	0.41%	-1.26%	127	0.5	-0.5	DPM/100 cm^2
10-5-3	TILE ON CONCRETE	30%	205	-38	15,000	5,000	1.36%	-0.76%	127	1.6	-0.3	DPM/100 cm^2
10-6-1	TILE ON CONCRETE	50%	141	30	15,000	5,000	0.94%	0.61%	127	1.1	0.2	DPM/100 cm^2
10-6-3	TILE & CONCRETE **	80%	237	120	15,000	5,000	1.58%	2.40%	127	1.9	0.9	DPM/100 cm^2
10-6-3	TILE & CARPET	50%	-19	-156	15,000	5,000	-0.13%	-3.12%	127	-0.2	-1.2	DPM/100 cm^2
10-6-4	TILE & CARPET	50%	-19	-156	15,000	5,000	-0.13%	-3.12%	127	-0.2	-1.2	DPM/100 cm^2
10-6-5	TILE & CARPET	50%	-19	-156	15,000	5,000	-0.13%	-3.12%	127	-0.2	-1.2	DPM/100 cm^2
10-6-6	TILE & CARPET	50%	-19	-156	15,000	5,000	-0.13%	-3.12%	127	-0.2	-1.2	DPM/100 cm^2
10-6-7	TILE ON CONCRETE	50%	-48	-96	15,000	5,000	-0.32%	-1.93%	127	-0.4	-0.8	DPM/100 cm^2
10-8-7	TILE ON CONCRETE	50%	-40	-96	15,000	5,000	-0.27%	-1.93%	127	-0.3	-0.8	DPM/100 cm^2
10-8-1	TILE ON CONCRETE	50%	-64	-179	15,000	5,000	-0.43%	-3.57%	127	-0.5	-1.4	DPM/100 cm^2
10-8-2	TILE ON CONCRETE	50%	197	-7	15,000	5,000	1.31%	-0.15%	127	1.5	-0.1	DPM/100 cm^2
10-9-1	TILE ON CONCRETE	50%	176	14	15,000	5,000	1.17%	0.29%	127	1.4	0.1	DPM/100 cm^2
10-9-2	TILE ON CONCRETE	50%	254	39	15,000	5,000	1.70%	0.78%	127	2.0	0.3	DPM/100 cm^2
10-9-3	TILE ON CONCRETE	50%	21	-54	15,000	5,000	0.14%	-1.08%	127	0.2	-0.4	DPM/100 cm^2
10-9-4	TILE ON STEEL	50%	105	-22	15,000	5,000	0.70%	-0.44%	127	0.8	-0.2	DPM/100 cm^2
10-10-1	TILE ON CONCRETE	30%	269	62	15,000	5,000	1.80%	1.23%	127	2.1	0.5	DPM/100 cm^2
10-10-2	TILE ON CONCRETE	30%	16	-179	15,000	5,000	0.10%	-3.57%	127	0.1	-1.4	DPM/100 cm^2
10-10-4	TILE ON CONCRETE	30%	-50	-159	15,000	5,000	-0.34%	-3.17%	127	-0.4	-1.2	DPM/100 cm^2
10-10-5	CARPT ON CONCRETE	30%	147	39	15,000	5,000	0.98%	0.78%	127	1.2	0.3	DPM/100 cm^2
10-10-6	TILE ON CONCRETE	30%	147	39	15,000	5,000	0.98%	0.78%	127	1.2	0.3	DPM/100 cm^2
10-11-1	TILE ON CONCRETE	30%	-17	-78	15,000	5,000	-0.11%	-1.57%	127	-0.1	-0.6	DPM/100 cm^2
10-11-2	TILE ON CONCRETE	30%	-38	-63	15,000	5,000	-0.25%	-1.26%	127	-0.3	-0.5	DPM/100 cm^2
10-11-7	CARPET ON CONCR.	30%	271	205	15,000	5,000	1.81%	4.11%	127	2.1	1.6	DPM/100 cm^2
10-12-1	TILE ON CONCRETE	30%	424	259	15,000	5,000	2.82%	5.17%	127	3.3	2.0	DPM/100 cm^2
10-13-1	TILE ON CONCRETE	30%	-19	-85	15,000	5,000	-0.12%	-1.70%	127	-0.1	-0.7	DPM/100 cm^2
10-13-2	CARPT ON CONCRETE	30%	77	-132	15,000	5,000	0.51%	-2.64%	127	0.6	-1.0	DPM/100 cm^2
11-1-1	CONCRETE	50%	420	331	15,000	5,000	2.80%	6.62%	127	3.3	2.6	DPM/100 cm^2
11-1-1	CONCRETE	60%	234	43	15,000	5,000	1.56%	0.86%	127	1.8	0.3	DPM/100 cm^2
11-1-1	CONCRETE (HOT SPOT) *	100%	2	-30	15,000	5,000	0.01%	-0.61%	127	0.0	-0.2	DPM/100 cm^2
11-1-2	CONCRETE	100%	619	211	15,000	5,000	4.12%	4.21%	127	4.9	1.7	DPM/100 cm^2
11-1-2	CONCRETE (HOT SPOT #1) *	100%	350	193	15,000	5,000	2.33%	3.85%	127	2.8	1.5	DPM/100 cm^2
11-1-2	CONCRETE (HOT SPOT #2) *	100%	-37	-37	15,000	5,000	-0.25%	-0.75%	127	-0.3	-0.3	DPM/100 cm^2
11-1-4	CONCRETE	75%	240	68	15,000	5,000	1.60%	1.37%	127	1.9	0.5	DPM/100 cm^2
11-1-5	CONCRETE	50%	46	-68	15,000	5,000	0.31%	-1.37%	127	0.4	-0.5	DPM/100 cm^2
14-2-1	CONCRETE	95%	160	-6	15,000	5,000	1.06%	-0.12%	127	1.3	0.0	DPM/100 cm^2
14-2-2	TILE ON CONCRETE	100%	-68	-166	15,000	5,000	-0.48%	-3.32%	127	-0.5	-1.3	DPM/100 cm^2
14-2-3	TILE ON CONCRETE	90%	-46	-105	15,000	5,000	-0.30%	-2.10%	127	-0.4	-0.8	DPM/100 cm^2
15-1-1	CARPET	20%	174	20	15,000	5,000	1.16%	0.40%	127	1.4	0.2	DPM/100 cm^2
16-1-1	CONCRETE FLOOR	25%	248	38	15,000	5,000	1.65%	0.75%	127	2.0	0.3	DPM/100 cm^2

TABLE 18 (CON'T)
SUMMARY OF FLOOR SCAN MEASUREMENTS

LOCATION CODE	SURFACE DESCRIPTION	EST % SCANNED	SCAN SURVEY MAXIMUM	SCAN SURVEY AVERAGE	ACCEPTANCE CRITERIA MAXIMUM	ACCEPTANCE CRITERIA AVERAGE	% OF ACCEPTANCE CRITERIA MAXIMUM	% OF ACCEPTANCE CRITERIA AVERAGE	MINIMUM DETECTABLE ACTIVITY	RATIO OF MAX TO MDA	RATIO OF AVG TO MDA	UNITS FOR ALL VALUES
ALPHA SCANS												
9-1-1	CONCRETE/S.E. CORNER FLOOR	100%	9	-48	15,000	5,000	0.06%	-0.95%	18	0.5	-2.6	DPM/100 cm^2
9-1-1	CONCRETE/STEEL-SUMP AREA	100%	-48	-65	15,000	5,000	-0.32%	-1.30%	18	-2.6	-3.6	DPM/100 cm^2

STATISTICAL DATA:	DPM/100 cm^2 MAXIMUM	DPM/100 cm^2 AVERAGE	% OF ACCEPTANCE CRITERIA MAXIMUM	% OF ACCEPTANCE CRITERIA AVERAGE	RATIO OF RESULT TO MDA MAXIMUM	RATIO OF RESULT TO MDA AVERAGE
BETA SCANS						
MINIMUM	-68	-185	-0.46%	-3.69%	-0.5	-1.5
MAXIMUM	1473	1273	9.82%	25.46%	11.8	10.0
AVERAGE	168.9	31.6	1.13%	0.63%	1.28	0.23
STD. DEV.	200.1	168.8	1.33%	3.38%	1.51	1.29
ALPHA SCANS						
MINIMUM	-48	-65	-0.32%	-1.30%	-2.6	-3.6
MAXIMUM	9	-48	0.06%	-0.95%	0.5	-2.6
AVERAGE	-19.5	-56.3	-0.13%	-1.13%	-1.08	-3.13
STD. DEV.	26.1	8.7	0.19%	0.17%	1.56	0.48

* - THESE RESULTS ARE POST-DECON OF THE HOT SPOT AREAS.
** - ADDITIONAL SCAN AFTER REMOVAL OF CARPET FROM THESE AREAS.

TABLE 19

SUMMARY OF SURVEY RESULTS FOR BUILDINGS AND BUILDING ROOFS

LOCATION CODE	LOCATION DESCRIPTION	NUMBER OF SURVEY POINTS	MINIMUM VALUE	MAXIMUM VALUE	AVERAGE VALUE	STANDARD DEVIATION	RADIOLOGICAL UNITS FOR ACCEPTANCE CRITERIA	ALL VALUES	REPORT NUMBER
** SURVEY TYPE = GAMMA DOSERATE AT 1 METER FROM SURFACE									
01 -01	BUILDING 5, FIRST FLOOR	41	9.000	17.000	10.900	1.920	15.0	MicroR/hour	034
01 -03	BUILDING 5, FIRST FLOOR	38	8.000	14.000	10.870	2.370	15.0	MicroR/hour	034
01 -04	BUILDING 5, FIRST FLOOR	23	10.000	15.000	12.870	1.700	15.0	MicroR/hour	034
01 -06	BUILDING 5, FIRST FLOOR	35	8.000	14.000	11.540	1.200	15.0	MicroR/hour	034
01 -07	BUILDING 5, FIRST FLOOR	30	15.000	15.000	15.000	0.000	15.0	MicroR/hour	034
01 -08	BUILDING 5, FIRST FLOOR	30	11.000	15.000	12.770	1.020	15.0	MicroR/hour	034
01 -09	BUILDING 5, FIRST FLOOR	33	8.000	12.000	9.090	0.900	15.0	MicroR/hour	034
01 -10	BUILDING 5, FIRST FLOOR	37	10.000	18.000	12.950	2.920	15.0	MicroR/hour	034
01 -13	BUILDING 5, FIRST FLOOR	27	7.000	14.000	10.410	1.620	15.0	MicroR/hour	034
02 -01	BUILDING 5, SECOND FLOOR	20	8.000	13.000	10.050	1.600	15.0	MicroR/hour	023
02 -02	BUILDING 5, SECOND FLOOR	34	8.000	17.000	11.000	2.440	15.0	MicroR/hour	023
02 -03	BUILDING 5, SECOND FLOOR	13	8.000	14.000	10.770	1.580	15.0	MicroR/hour	023
02 -04	BUILDING 5, SECOND FLOOR	30	12.000	15.000	13.500	1.180	15.0	MicroR/hour	023
03 -01	BUILDING 5, THIRD FLOOR	34	11.000	15.000	12.350	1.160	15.0	MicroR/hour	024
04 -01	BUILDING 6, FIRST FLOOR	20	7.000	10.000	8.450	1.070	15.0	MicroR/hour	017
04 -02	BUILDING 6, FIRST FLOOR	30	8.000	9.000	8.030	0.180	15.0	MicroR/hour	017
04 -03	BUILDING 6, FIRST FLOOR	28	9.000	18.000	11.390	2.600	15.0	MicroR/hour	017
04 -04	BUILDING 6, FIRST FLOOR	22	8.000	30.000	12.770	5.200	15.0	MicroR/hour	017
04 -05	BUILDING 6, FIRST FLOOR	23	9.000	13.000	10.220	0.930	15.0	MicroR/hour	017
05 -01	BUILDING 6, SECOND FLOOR	26	10.000	18.000	12.650	2.570	15.0	MicroR/hour	019
05 -02	BUILDING 6, SECOND FLOOR	10	7.000	8.000	7.700	0.460	15.0	MicroR/hour	019
06 -01	BUILDING 6A	39	6.000	13.000	9.130	1.090	15.0	MicroR/hour	014
06 -02	BUILDING 6A	28	5.000	11.000	7.730	1.400	15.0	MicroR/hour	014
06 -03	BUILDING 6A	22	8.000	10.000	8.640	0.930	15.0	MicroR/hour	014
07 -01	BUILDING 7, FIRST FLOOR	22	9.000	14.000	10.410	1.230	15.0	MicroR/hour	012
07 -02	BUILDING 7, FIRST FLOOR	30	8.000	11.000	10.000	0.730	15.0	MicroR/hour	012
07 -03	BUILDING 7, FIRST FLOOR	30	8.000	11.000	9.700	0.740	15.0	MicroR/hour	012
07 -04	BUILDING 7, FIRST FLOOR	24	8.000	15.000	10.210	1.760	15.0	MicroR/hour	012
07 -05	BUILDING 7, FIRST FLOOR	29	8.000	12.000	9.240	0.860	15.0	MicroR/hour	012
07 -06	BUILDING 7, FIRST FLOOR	6	12.000	16.000	13.830	1.460	15.0	MicroR/hour	012

TABLE 19
SUMMARY OF SURVEY RESULTS FOR BUILDINGS AND BUILDING ROOFS

LOCATION CODE	LOCATION DESCRIPTION	NUMBER OF SURVEY POINTS	MINIMUM VALUE	MAXIMUM VALUE	AVERAGE VALUE	STANDARD DEVIATION	RADIOLOGICAL UNITS FOR ACCEPTANCE CRITERIA	ALL VALUES	REPORT NUMBER
08 -01	BUILDING 8A, FIRST FLOOR	43	7.000	14.000	9.880	1.510	15.0	MicroR/hour	035
08 -02	BUILDING 8A, FIRST FLOOR	25	7.000	12.000	9.520	1.100	15.0	MicroR/hour	035
08 -03	BUILDING 8A, FIRST FLOOR	28	10.000	20.000	12.960	2.610	15.0	MicroR/hour	035
08 -04	BUILDING 8A, FIRST FLOOR	19	8.000	11.000	9.110	0.850	15.0	MicroR/hour	035
08 -05	BUILDING 8A, FIRST FLOOR	40	9.000	15.000	10.850	1.490	15.0	MicroR/hour	035
08 -06	BUILDING 8A, FIRST FLOOR, SPECIAL GRIDS	83	11.000	17.000	13.640	1.370	15.0	MicroR/hour	035
09 -01	BUILDING 9, PIT	60	6.600	8.200	7.650	0.420	15.0	MicroR/hour	016
10 -01	BUILDING 9, FIRST FLOOR, EXT. STORAGE	14	8.000	15.000	11.860	2.360	15.0	MicroR/hour	020
10 -02	BUILDING 9, FIRST FLOOR	17	9.000	12.000	10.590	0.910	15.0	MicroR/hour	020
10 -03	BUILDING 9, FIRST FLOOR	22	12.000	13.000	12.860	0.340	15.0	MicroR/hour	020
10 -04	BUILDING 9, FIRST FLOOR	29	8.000	11.000	10.450	0.810	15.0	MicroR/hour	020
10 -05	BUILDING 9, FIRST FLOOR	18	8.000	11.000	10.330	0.940	15.0	MicroR/hour	020
10 -06	BUILDING 9, FIRST FLOOR	26	8.000	12.000	10.310	1.380	15.0	MicroR/hour	020
10 -08	BUILDING 9, FIRST FLOOR	14	8.000	10.000	9.500	0.630	15.0	MicroR/hour	020
10 -09	BUILDING 9, FIRST FLOOR	20	9.000	12.000	10.450	0.740	15.0	MicroR/hour	020
10 -10	BUILDING 9, FIRST FLOOR	18	8.000	13.000	11.110	1.200	15.0	MicroR/hour	020
10 -11	BUILDING 9, FIRST FLOOR	21	8.000	13.000	11.050	1.000	15.0	MicroR/hour	020
10 -12	BUILDING 9, FIRST FLOOR	21	6.000	9.000	7.710	0.930	15.0	MicroR/hour	020
10 -14-1	BUILDING 9 PIPE CHASES - GROUP 1	248	7.000	17.000	10.620	1.860	15.0	MicroR/hour	010
10 -14-2	BUILDING 9 PIPE CHASES - GROUP 2	177	7.000	14.000	10.380	1.580	15.0	MicroR/hour	010
10 -14-3	BUILDING 9 PIPE CHASES - GROUP 3	92	8.000	12.000	10.400	1.100	15.0	MicroR/hour	010
10 -14-4	BUILDING 9 PIPE CHASES - ASSOCIATED PITS	22	9.000	12.000	10.910	0.790	15.0	MicroR/hour	010
11 -01	HYDROGEN FACILITY	41	6.000	14.000	9.440	1.640	15.0	MicroR/hour	033
14 -01	BUILDING 4, BASEMENT	29	8.000	16.000	11.170	1.700	15.0	MicroR/hour	015
14 -02	BUILDING 4, BASEMENT	8	12.000	13.000	12.130	0.330	15.0	MicroR/hour	015
15 -01	BUILDING 4, THIRD FLOOR	16	11.000	15.000	13.130	1.320	15.0	MicroR/hour	029
16 -01	BUILDING 12, FIRST FLOOR	30	8.000	15.000	9.670	1.400	15.0	MicroR/hour	027
27 -01	MONITORED DRAIN LINE PIT BEHIND BLDG. 5	4	8.300	8.700	8.530	0.150	15.0	MicroR/hour	008
28A-01	BUILDING 4, FIRST FLOOR	19	11.000	18.000	13.370	1.810	15.0	MicroR/hour	025
28A-02	BUILDING 4, SECOND FLOOR	32	8.000	16.000	10.940	2.450	15.0	MicroR/hour	025
28B-01	BUILDING 5, FOURTH FLOOR	30	9.000	16.000	11.230	1.690	15.0	MicroR/hour	030

TABLE 19
SUMMARY OF SURVEY RESULTS FOR BUILDINGS AND BUILDING ROOFS

LOCATION CODE	LOCATION DESCRIPTION	NUMBER OF SURVEY POINTS	MINIMUM VALUE	MAXIMUM VALUE	AVERAGE VALUE	STANDARD DEVIATION	RADIOLOGICAL UNITS FOR ACCEPTANCE CRITERIA	ALL VALUES REPORT NUMBER
28C-01	BUILDING 5A	30	6.000	12.000	8.170	1.460	15.0 MicroR/hour	026
28D-01	BUILDING 7, SECOND FLOOR	27	7.000	12.000	9.110	1.100	15.0 MicroR/hour	013
28E-01	BUILDING 8	30	10.000	15.000	10.830	0.930	15.0 MicroR/hour	011
28F-01	BUILDING 8A, SECOND FLOOR	7	11.000	19.000	15.570	3.020	15.0 MicroR/hour	032
28G-01	BUILDING 9, SECOND FLOOR	36	5.000	13.000	8.080	2.090	15.0 MicroR/hour	022
28H-01	BUILDING 10, FIRST FLOOR	17	10.000	18.000	13.410	3.410	15.0 MicroR/hour	021
28H-02	BUILDING 10, SECOND FLOOR	32	7.000	12.000	8.840	1.300	15.0 MicroR/hour	021
28I-01	BUILDING 11, FIRST FLOOR	36	8.000	14.000	11.220	1.420	15.0 MicroR/hour	018
28I-02	BUILDING 11, SECOND FLOOR	15	12.000	15.000	13.600	0.800	15.0 MicroR/hour	018
28J-01	FIREHALL	10	8.000	11.000	9.400	0.800	15.0 MicroR/hour	031
28K-01	INCINERATOR BUILDING	18	12.000	24.000	16.720	3.520	15.0 MicroR/hour	005
28K-02	INCINERATOR BLDG. - INSIDE INCINERATOR	11	16.000	60.000	53.550	12.600	15.0 MicroR/hour	005
28K-03	INCINERATOR BUILDING - INSIDE CHIMNEY	12	18.000	32.000	27.830	4.280	15.0 MicroR/hour	005
28L-01	BUILDING 12, SECOND FLOOR	25	8.000	10.000	8.400	0.630	15.0 MicroR/hour	028
29 -01	ROOF SURFACE FOR BLDG 5	51	9.000	19.000	12.350	2.710	15.0 MicroR/hour	038
29 -02	ROOF SURFACE FOR BLDGS 6,7&8	31	7.000	12.000	9.520	1.210	15.0 MicroR/hour	038
29 -03	ROOF SURFACE FOR BLDG 8A	45	6.000	13.000	9.360	1.540	15.0 MicroR/hour	038
29 -04	ROOF SURFACE FOR BLDG 9	34	7.000	12.000	9.150	1.110	15.0 MicroR/hour	038
29 -05	ROOF SURFACE FOR HYDROGEN FACILITY	30	9.000	12.000	10.530	0.960	15.0 MicroR/hour	038
29 -06	ROOF SURFACE FOR BLDGS 4,10,11,&FIREHALL	37	7.000	17.000	10.680	2.170	15.0 MicroR/hour	038
29 -09	ROOF VENTS FOR BLDGS 9 & HYDROGEN FAC.	4	6.000	8.000	7.250	0.830	15.0 MicroR/hour	038
** Subtotal **		2618						
** SURVEY TYPE = BETA/GAMMA DOSERATE ON CONTACT WITH SURFACE								
01 -01	BUILDING 5, FIRST FLOOR	41	0.010	0.020	0.012	0.003	0.2 MilliRem/hour	034
01 -03	BUILDING 5, FIRST FLOOR	38	0.010	0.020	0.011	0.003	0.2 MilliRem/hour	034
01 -04	BUILDING 5, FIRST FLOOR	23	0.009	0.022	0.015	0.004	0.2 MilliRem/hour	034
01 -06	BUILDING 5, FIRST FLOOR	35	0.010	0.020	0.013	0.005	0.2 MilliRem/hour	034
01 -07	BUILDING 5, FIRST FLOOR	30	0.002	0.026	0.016	0.006	0.2 MilliRem/hour	034
01 -08	BUILDING 5, FIRST FLOOR	30	0.010	0.020	0.012	0.004	0.2 MilliRem/hour	034

TABLE 19

SUMMARY OF SURVEY RESULTS FOR BUILDINGS AND BUILDING ROOFS

LOCATION CODE	LOCATION DESCRIPTION	NUMBER OF SURVEY POINTS	MINIMUM VALUE	MAXIMUM VALUE	AVERAGE VALUE	STANDARD DEVIATION	RADIOLOGICAL UNITS FOR ACCEPTANCE CRITERIA	ALL VALUES REPORT NUMBER
01 -09	BUILDING 5, FIRST FLOOR	33	0.010	0.020	0.010	0.002	0.2 MilliRem/hour	034
01 -10	BUILDING 5, FIRST FLOOR	37	0.010	0.010	0.010	0.000	0.2 MilliRem/hour	034
01 -13	BUILDING 5, FIRST FLOOR	27	0.010	0.020	0.012	0.004	0.2 MilliRem/hour	034
02 -01	BUILDING 5, SECOND FLOOR	20	0.010	0.020	0.011	0.003	0.2 MilliRem/hour	023
02 -02	BUILDING 5, SECOND FLOOR	34	0.010	0.020	0.014	0.005	0.2 MilliRem/hour	023
02 -03	BUILDING 5, SECOND FLOOR	13	0.008	0.023	0.015	0.004	0.2 MilliRem/hour	023
02 -04	BUILDING 5, SECOND FLOOR	30	0.010	0.020	0.013	0.005	0.2 MilliRem/hour	023
03 -01	BUILDING 5, THIRD FLOOR	34	0.010	0.020	0.012	0.004	0.2 MilliRem/hour	024
04 -01	BUILDING 6, FIRST FLOOR	20	0.010	0.020	0.011	0.003	0.2 MilliRem/hour	017
04 -02	BUILDING 6, FIRST FLOOR	30	0.010	0.010	0.010	0.000	0.2 MilliRem/hour	017
04 -03	BUILDING 6, FIRST FLOOR	28	0.010	0.020	0.013	0.005	0.2 MilliRem/hour	017
04 -04	BUILDING 6, FIRST FLOOR	22	0.010	0.020	0.013	0.005	0.2 MilliRem/hour	017
04 -05	BUILDING 6, FIRST FLOOR	23	0.010	0.020	0.013	0.004	0.2 MilliRem/hour	017
05 -01	BUILDING 6, SECOND FLOOR	26	0.010	0.023	0.013	0.004	0.2 MilliRem/hour	019
05 -02	BUILDING 6, SECOND FLOOR	10	0.010	0.020	0.012	0.004	0.2 MilliRem/hour	019
06 -01	BUILDING 6A	39	0.005	0.021	0.011	0.004	0.2 MilliRem/hour	014
06 -02	BUILDING 6A	35	0.010	0.021	0.013	0.004	0.2 MilliRem/hour	014
06 -03	BUILDING 6A	22	0.010	0.010	0.010	0.000	0.2 MilliRem/hour	014
07 -01	BUILDING 7, FIRST FLOOR	22	0.010	0.020	0.013	0.004	0.2 MilliRem/hour	012
07 -02	BUILDING 7, FIRST FLOOR	30	0.010	0.030	0.015	0.007	0.2 MilliRem/hour	012
07 -03	BUILDING 7, FIRST FLOOR	30	0.010	0.040	0.015	0.007	0.2 MilliRem/hour	012
07 -04	BUILDING 7, FIRST FLOOR	24	0.005	0.022	0.014	0.004	0.2 MilliRem/hour	012
07 -05	BUILDING 7, FIRST FLOOR	29	0.010	0.020	0.012	0.004	0.2 MilliRem/hour	012
07 -06	BUILDING 7, FIRST FLOOR	6	0.014	0.022	0.016	0.003	0.2 MilliRem/hour	012
08 -01	BUILDING 8A, FIRST FLOOR	43	0.005	0.019	0.011	0.003	0.2 MilliRem/hour	035
08 -02	BUILDING 8A, FIRST FLOOR	25	0.007	0.018	0.011	0.003	0.2 MilliRem/hour	035
08 -03	BUILDING 8A, FIRST FLOOR	33	0.007	0.018	0.012	0.003	0.2 MilliRem/hour	035
08 -04	BUILDING 8A, FIRST FLOOR	19	0.006	0.016	0.011	0.002	0.2 MilliRem/hour	035
08 -05	BUILDING 8A, FIRST FLOOR	40	0.006	0.018	0.011	0.003	0.2 MilliRem/hour	035
08 -06	BUILDING 8A, FIRST FLOOR, SPECIAL GRIDS	415	0.010	0.030	0.011	0.003	0.2 MilliRem/hour	035
09 -01	BUILDING 9, PIT	59	0.008	0.026	0.015	0.004	0.2 MilliRem/hour	016

TABLE 19

SUMMARY OF SURVEY RESULTS FOR BUILDINGS AND BUILDING ROOFS

LOCATION CODE	LOCATION DESCRIPTION	NUMBER OF SURVEY POINTS	MINIMUM VALUE	MAXIMUM VALUE	AVERAGE VALUE	STANDARD DEVIATION	RADIOLOGICAL ACCEPTANCE CRITERIA	UNITS FOR ALL VALUES	REPORT NUMBER
10 -01	BUILDING 9, FIRST FLOOR, EXT. STORAGE	14	0.010	0.020	0.015	0.005	0.2	MilliRem/hour	020
10 -02	BUILDING 9, FIRST FLOOR	17	0.007	0.018	0.011	0.003	0.2	MilliRem/hour	020
10 -03	BUILDING 9, FIRST FLOOR	22	0.010	0.010	0.010	0.000	0.2	MilliRem/hour	020
10 -04	BUILDING 9, FIRST FLOOR	41	0.010	0.030	0.012	0.005	0.2	MilliRem/hour	020
10 -05	BUILDING 9, FIRST FLOOR	18	0.010	0.010	0.010	0.000	0.2	MilliRem/hour	020
10 -06	BUILDING 9, FIRST FLOOR	26	0.010	0.020	0.012	0.004	0.2	MilliRem/hour	020
10 -08	BUILDING 9, FIRST FLOOR	14	0.010	0.024	0.016	0.004	0.2	MilliRem/hour	020
10 -09	BUILDING 9, FIRST FLOOR	20	0.008	0.021	0.013	0.004	0.2	MilliRem/hour	020
10 -10	BUILDING 9, FIRST FLOOR	18	0.005	0.035	0.014	0.006	0.2	MilliRem/hour	020
10 -11	BUILDING 9, FIRST FLOOR	21	0.005	0.016	0.011	0.003	0.2	MilliRem/hour	020
10 -12	BUILDING 9, FIRST FLOOR	21	0.007	0.017	0.012	0.003	0.2	MilliRem/hour	020
10 -14-1	BUILDING 9 PIPE CHASES - GROUP 1	248	0.010	0.038	0.019	0.006	0.2	MilliRem/hour	010
10 -14-2	BUILDING 9 PIPE CHASES - GROUP 2	177	0.010	0.090	0.020	0.008	0.2	MilliRem/hour	010
10 -14-3	BUILDING 9 PIPE CHASES - GROUP 3	92	0.010	0.030	0.017	0.004	0.2	MilliRem/hour	010
10 -14-4	BUILDING 9 PIPE CHASES - ASSOCIATED PITS	22	0.011	0.030	0.016	0.004	0.2	MilliRem/hour	010
11 -01	HYDROGEN FACILITY	41	0.005	0.020	0.010	0.003	0.2	MilliRem/hour	033
14 -01	BUILDING 4, BASEMENT	29	0.010	0.020	0.011	0.002	0.2	MilliRem/hour	015
14 -02	BUILDING 4, BASEMENT	8	0.010	0.021	0.015	0.003	0.2	MilliRem/hour	015
15 -01	BUILDING 4, THIRD FLOOR	16	0.010	0.020	0.013	0.005	0.2	MilliRem/hour	029
16 -01	BUILDING 12, FIRST FLOOR	30	0.010	0.020	0.012	0.004	0.2	MilliRem/hour	027
27 -01	MONITORED DRAIN LINE PIT BEHIND BLDG. 5	20	0.010	0.020	0.010	0.000	0.2	MilliRem/hour	008
28A-01	BUILDING 4, FIRST FLOOR	19	0.010	0.025	0.014	0.006	0.2	MilliRem/hour	025
28A-02	BUILDING 4, SECOND FLOOR	32	0.008	0.026	0.014	0.004	0.2	MilliRem/hour	025
28B-01	BUILDING 5, FOURTH FLOOR	30	0.010	0.020	0.013	0.004	0.2	MilliRem/hour	030
28C-01	BUILDING 5A	30	0.010	0.020	0.011	0.003	0.2	MilliRem/hour	026
28D-01	BUILDING 7, SECOND FLOOR	27	0.009	0.030	0.014	0.005	0.2	MilliRem/hour	013
28E-01	BUILDING 8	30	0.010	0.030	0.016	0.006	0.2	MilliRem/hour	011
28F-01	BUILDING 8A, SECOND FLOOR	7	0.008	0.023	0.015	0.006	0.2	MilliRem/hour	032
28G-01	BUILDING 9, SECOND FLOOR	36	0.010	0.020	0.013	0.004	0.2	MilliRem/hour	022
28H-01	BUILDING 10, FIRST FLOOR	17	0.010	0.020	0.015	0.005	0.2	MilliRem/hour	021
28H-02	BUILDING 10, SECOND FLOOR	32	0.010	0.020	0.014	0.005	0.2	MilliRem/hour	021

TABLE 19
SUMMARY OF SURVEY RESULTS FOR BUILDINGS AND BUILDING ROOFS

LOCATION CODE	LOCATION DESCRIPTION	NUMBER OF SURVEY POINTS	MINIMUM VALUE	MAXIMUM VALUE	AVERAGE VALUE	STANDARD DEVIATION	RADIOLOGICAL ACCEPTANCE CRITERIA	UNITS FOR ALL VALUES	REPORT NUMBER
28I-01	BUILDING 11, FIRST FLOOR	36	0.010	0.020	0.011	0.003	0.2	MilliRem/hour	018
28I-02	BUILDING 11, SECOND FLOOR	15	0.010	0.020	0.011	0.003	0.2	MilliRem/hour	018
28J-01	FIREHALL	10	0.010	0.020	0.013	0.005	0.2	MilliRem/hour	031
28K-01	INCINERATOR BUILDING	18	0.010	0.030	0.020	0.010	0.2	MilliRem/hour	005
28K-02	INCINERATOR BLDG. - INSIDE INCINERATOR	12	0.020	0.060	0.040	0.010	0.2	MilliRem/hour	005
28L-01	BUILDING 12, SECOND FLOOR	25	0.010	0.011	0.010	0.000	0.2	MilliRem/hour	028
29 -01	ROOF SURFACE FOR BLDG 5	51	0.004	0.026	0.013	0.005	0.2	MilliRem/hour	038
29 -02	ROOF SURFACE FOR BLDGS 6,7&8	31	0.010	0.020	0.011	0.002	0.2	MilliRem/hour	038
29 -03	ROOF SURFACE FOR BLDG 8A	45	0.004	0.018	0.011	0.003	0.2	MilliRem/hour	038
29 -04	ROOF SURFACE FOR BLDG 9	34	0.004	0.017	0.010	0.003	0.2	MilliRem/hour	038
29 -05	ROOF SURFACE FOR HYDROGEN FACILITY	30	0.008	0.023	0.013	0.004	0.2	MilliRem/hour	038
29 -06	ROOF SURFACE FOR BLDGS 4,10,11,&FIREHALL	37	0.005	0.023	0.011	0.004	0.2	MilliRem/hour	038
29 -09	ROOF VENTS FOR BLDGS 9 & HYDROGEN FAC.	4	0.007	0.012	0.010	0.002	0.2	MilliRem/hour	038
** Subtotal **		2978							
** SURVEY TYPE = MAXIMUM - BETA SCAN OF SURFACE NEAR SURVEY POINT									
01 -01	BUILDING 5, FIRST FLOOR	74	-179.100	797.300	138.400	198.700	15000.0	DPM/100 cm^2	034
01 -03	BUILDING 5, FIRST FLOOR	69	-241.500	621.900	115.900	187.700	15000.0	DPM/100 cm^2	034
01 -04	BUILDING 5, FIRST FLOOR	72	-321.600	2182.400	213.600	472.000	15000.0	DPM/100 cm^2	034
01 -06	BUILDING 5, FIRST FLOOR	35	12.800	218.300	90.300	45.500	15000.0	DPM/100 cm^2	034
01 -07	BUILDING 5, FIRST FLOOR	30	-20.600	1264.200	593.300	419.900	15000.0	DPM/100 cm^2	034
01 -08	BUILDING 5, FIRST FLOOR	65	-570.500	1207.900	185.400	449.500	15000.0	DPM/100 cm^2	034
01 -09	BUILDING 5, FIRST FLOOR	63	8.700	616.900	138.400	106.900	15000.0	DPM/100 cm^2	034
01 -10	BUILDING 5, FIRST FLOOR	37	2.600	712.100	310.600	154.200	15000.0	DPM/100 cm^2	034
01 -13	BUILDING 5, FIRST FLOOR	31	-58.200	340.500	106.400	86.800	15000.0	DPM/100 cm^2	034
01 -14	BUILDING 5, UPPER SURFACES, UNITS 6 & 10	60	-75.700	797.300	334.000	167.900	15000.0	DPM/100 cm^2	034
02 -01	BUILDING 5, SECOND FLOOR	62	-9.600	817.700	305.000	210.400	15000.0	DPM/100 cm^2	023
02 -02	BUILDING 5, SECOND FLOOR	64	-215.300	1164.000	137.100	268.200	15000.0	DPM/100 cm^2	023
02 -03	BUILDING 5, SECOND FLOOR	30	-241.500	753.700	282.200	281.000	15000.0	DPM/100 cm^2	023
02 -04	BUILDING 5, SECOND FLOOR	61	-9.600	1236.800	281.400	275.500	15000.0	DPM/100 cm^2	023

TABLE 19
SUMMARY OF SURVEY RESULTS FOR BUILDINGS AND BUILDING ROOFS

LOCATION CODE	LOCATION DESCRIPTION	NUMBER OF SURVEY POINTS	MINIMUM VALUE	MAXIMUM VALUE	AVERAGE VALUE	STANDARD DEVIATION	RADIOLOGICAL UNITS FOR ACCEPTANCE CRITERIA ALL VALUES	REPORT NUMBER
03 -01	BUILDING 5, THIRD FLOOR	64	-68.800	934.100	223.200	202.100	15000.0 DPM/100 cm^2	024
04 -01	BUILDING 6, FIRST FLOOR	71	-85.600	910.800	281.300	235.900	15000.0 DPM/100 cm^2	017
04 -02	BUILDING 6, FIRST FLOOR	64	-98.900	675.100	184.800	131.300	15000.0 DPM/100 cm^2	017
04 -03	BUILDING 6, FIRST FLOOR	63	-83.600	704.200	198.800	199.100	15000.0 DPM/100 cm^2	017
04 -04	BUILDING 6, FIRST FLOOR	68	-141.400	695.500	224.500	190.500	15000.0 DPM/100 cm^2	017
04 -05	BUILDING 6, FIRST FLOOR	91	-93.500	680.900	232.600	164.600	15000.0 DPM/100 cm^2	017
04 -06	BUILDING 6, VENTILATION SYSTEMS	9	20.400	628.600	232.200	182.200	15000.0 DPM/100 cm^2	017
05 -01	BUILDING 6, SECOND FLOOR	74	-208.000	1820.800	126.900	320.700	15000.0 DPM/100 cm^2	019
05 -02	BUILDING 6, SECOND FLOOR	60	-126.300	701.300	266.000	201.600	15000.0 DPM/100 cm^2	019
06 -01	BUILDING 6A	86	-140.800	748.800	130.500	151.000	15000.0 DPM/100 cm^2	014
06 -02	BUILDING 6A	67	-174.900	710.400	55.400	195.500	15000.0 DPM/100 cm^2	014
06 -03	BUILDING 6A	60	-102.400	1046.400	166.500	221.300	15000.0 DPM/100 cm^2	014
07 -01	BUILDING 7, FIRST FLOOR	70	-142.700	921.600	170.200	242.400	15000.0 DPM/100 cm^2	012
07 -02	BUILDING 7, FIRST FLOOR	60	-150.400	262.300	55.000	113.800	15000.0 DPM/100 cm^2	012
07 -03	BUILDING 7, FIRST FLOOR	70	-374.400	67.200	-141.100	109.600	15000.0 DPM/100 cm^2	012
07 -04	BUILDING 7, FIRST FLOOR	60	-73.000	480.000	176.900	117.100	15000.0 DPM/100 cm^2	012
07 -05	BUILDING 7, FIRST FLOOR	61	-281.300	316.800	13.500	115.700	15000.0 DPM/100 cm^2	012
07 -06	BUILDING 7, FIRST FLOOR	67	-86.400	745.600	213.700	163.300	15000.0 DPM/100 cm^2	012
08 -01	BUILDING 8A, FIRST FLOOR	99	-130.300	850.700	201.800	202.900	15000.0 DPM/100 cm^2	035
08 -02	BUILDING 8A, FIRST FLOOR	76	-155.900	465.000	140.500	175.400	15000.0 DPM/100 cm^2	035
08 -03	BUILDING 8A, FIRST FLOOR	63	-71.200	1338.400	283.100	361.100	15000.0 DPM/100 cm^2	035
08 -04	BUILDING 8A, FIRST FLOOR	61	-203.700	579.100	138.000	110.700	15000.0 DPM/100 cm^2	035
08 -05	BUILDING 8A, FIRST FLOOR	73	-70.200	1072.500	133.000	154.300	15000.0 DPM/100 cm^2	035
09 -01	BUILDING 9, PIT	113	-92.700	436.500	135.600	101.900	15000.0 DPM/100 cm^2	016
10 -01	BUILDING 9, FIRST FLOOR, EXT. STORAGE	30	12.000	811.900	241.000	191.700	15000.0 DPM/100 cm^2	020
10 -02	BUILDING 9, FIRST FLOOR	68	-1532.800	537.600	18.700	303.000	15000.0 DPM/100 cm^2	020
10 -03	BUILDING 9, FIRST FLOOR	62	-1209.000	752.000	94.400	280.000	15000.0 DPM/100 cm^2	020
10 -04	BUILDING 9, FIRST FLOOR	79	-28.800	909.800	272.800	179.700	15000.0 DPM/100 cm^2	020
10 -05	BUILDING 9, FIRST FLOOR	61	-82.200	657.700	231.700	157.000	15000.0 DPM/100 cm^2	020
10 -06	BUILDING 9, FIRST FLOOR	60	-70.000	428.800	125.000	130.600	15000.0 DPM/100 cm^2	020
10 -08	BUILDING 9, FIRST FLOOR	66	-84.400	692.600	162.700	147.300	15000.0 DPM/100 cm^2	020

TABLE 19

SUMMARY OF SURVEY RESULTS FOR BUILDINGS AND BUILDING ROOFS

LOCATION CODE	LOCATION DESCRIPTION	NUMBER OF SURVEY POINTS	MINIMUM VALUE	MAXIMUM VALUE	AVERAGE VALUE	STANDARD DEVIATION	RADIOLOGICAL UNITS FOR ACCEPTANCE CRITERIA ALL VALUES	REPORT NUMBER
10 -09	BUILDING 9, FIRST FLOOR	69	-201.600	442.300	124.600	126.300	15000.0 DPM/100 cm^2	020
10 -10	BUILDING 9, FIRST FLOOR	61	-195.000	851.200	177.200	218.300	15000.0 DPM/100 cm^2	020
10 -11	BUILDING 9, FIRST FLOOR	62	-92.800	1152.000	223.200	279.900	15000.0 DPM/100 cm^2	020
10 -12	BUILDING 9, FIRST FLOOR	64	-206.600	832.300	130.000	236.200	15000.0 DPM/100 cm^2	020
10 -14-1	BUILDING 9 PIPE CHASES - GROUP 1	251	-327.000	4363.000	510.600	722.100	15000.0 DPM/100 cm^2	010
10 -14-2	BUILDING 9 PIPE CHASES - GROUP 2	177	-80.400	3880.600	384.800	412.700	15000.0 DPM/100 cm^2	010
10 -14-3	BUILDING 9 PIPE CHASES - GROUP 3	92	-10.700	1262.300	330.200	185.400	15000.0 DPM/100 cm^2	010
10 -14-4	BUILDING 9 PIPE CHASES - ASSOCIATED PITS	22	58.960	661.960	318.310	156.080	15000.0 DPM/100 cm^2	010
11 -01	HYDROGEN FACILITY	94	-250.300	1213.700	100.700	203.400	15000.0 DPM/100 cm^2	033
14 -01	BUILDING 4, BASEMENT	29	-290.400	904.600	100.800	296.000	15000.0 DPM/100 cm^2	015
14 -02	BUILDING 4, BASEMENT	31	-95.800	432.000	132.800	150.800	15000.0 DPM/100 cm^2	015
15 -01	BUILDING 4, THIRD FLOOR	30	-90.200	663.500	191.200	211.500	15000.0 DPM/100 cm^2	029
16 -01	BUILDING 12, FIRST FLOOR	30	30.400	213.500	114.200	47.100	15000.0 DPM/100 cm^2	027
27 -01	MONITORED DRAIN LINE PIT BEHIND BLDG. 5	20	-289.440	1490.080	37.540	489.810	15000.0 DPM/100 cm^2	008
28A-01	BUILDING 4, FIRST FLOOR	48	-32.000	1488.700	396.200	377.200	15000.0 DPM/100 cm^2	025
28A-02	BUILDING 4, SECOND FLOOR	32	-55.500	1474.400	136.300	344.200	15000.0 DPM/100 cm^2	025
28B-01	BUILDING 5, FOURTH FLOOR	30	-42.400	184.700	82.000	52.200	15000.0 DPM/100 cm^2	030
28C-01	BUILDING 5A	30	-36.000	289.400	120.300	84.300	15000.0 DPM/100 cm^2	026
28D-01	BUILDING 7, SECOND FLOOR	30	-66.900	333.800	85.400	92.800	15000.0 DPM/100 cm^2	013
28E-01	BUILDING 8	52	-1568.000	1043.000	-6.300	358.800	15000.0 DPM/100 cm^2	011
28F-01	BUILDING 8A, SECOND FLOOR	36	148.400	2170.900	831.100	531.800	15000.0 DPM/100 cm^2	032
28G-01	BUILDING 9, SECOND FLOOR	36	-75.200	274.200	110.700	81.200	15000.0 DPM/100 cm^2	022
28H-01	BUILDING 10, FIRST FLOOR	35	-23.200	368.800	149.100	119.900	15000.0 DPM/100 cm^2	021
28H-02	BUILDING 10, SECOND FLOOR	32	-40.800	300.600	92.400	85.100	15000.0 DPM/100 cm^2	021
28I-01	BUILDING 11, FIRST FLOOR	36	-26.400	203.900	79.100	50.400	15000.0 DPM/100 cm^2	018
28I-02	BUILDING 11, SECOND FLOOR	36	122.200	1850.800	661.300	487.100	15000.0 DPM/100 cm^2	018
28J-01	FIREHALL	30	-64.000	599.500	235.300	196.600	15000.0 DPM/100 cm^2	031
28K-01	INCINERATOR BUILDING	18	-70.150	98.320	18.040	46.410	15000.0 DPM/100 cm^2	005
28K-02	INCINERATOR BLDG. - INSIDE INCINERATOR	20	927.280	3339.280	2428.060	690.590	15000.0 DPM/100 cm^2	005
28K-03	INCINERATOR BUILDING - INSIDE CHIMNEY	8	857.600	1125.600	974.850	124.220	15000.0 DPM/100 cm^2	005
28L-01	BUILDING 12, SECOND FLOOR	30	-270.600	689.700	135.800	194.000	15000.0 DPM/100 cm^2	028

TABLE 19
SUMMARY OF SURVEY RESULTS FOR BUILDINGS AND BUILDING ROOFS

LOCATION CODE	LOCATION DESCRIPTION	NUMBER OF SURVEY POINTS	MINIMUM VALUE	MAXIMUM VALUE	AVERAGE VALUE	STANDARD DEVIATION	RADIOLOGICAL UNITS FOR ACCEPTANCE CRITERIA	ALL VALUES REPORT NUMBER
29 -01	ROOF SURFACE FOR BLDG 5	51	-526.500	1774.500	551.200	701.300	15000.0 DPM/100 cm^2	038
29 -02	ROOF SURFACE FOR BLDGS 6,7&8	31	-756.600	1123.200	86.400	397.900	15000.0 DPM/100 cm^2	038
29 -03	ROOF SURFACE FOR BLDG 8A	45	115.200	1540.800	625.900	302.900	15000.0 DPM/100 cm^2	038
29 -04	ROOF SURFACE FOR BLDG 9	34	75.600	1015.200	564.500	244.800	15000.0 DPM/100 cm^2	038
29 -05	ROOF SURFACE FOR HYDROGEN FACILITY	30	316.800	1594.800	1100.500	348.800	15000.0 DPM/100 cm^2	038
29 -06	ROOF SURFACE FOR BLDGS 4,10,11,&FIREHALL	37	-324.000	1131.000	323.100	354.300	15000.0 DPM/100 cm^2	038
29 -09	ROOF VENTS FOR BLDGS 9 & HYDROGEN FAC.	18	-639.600	489.600	-21.400	315.800	15000.0 DPM/100 cm^2	038
** Subtotal **		4646						
** SURVEY TYPE = AVERAGE - BETA SCAN OF SURFACE NEAR SURVEY POINT								
01 -01	BUILDING 5, FIRST FLOOR	74	-222.300	547.100	16.600	143.400	5000.0 DPM/100 cm^2	034
01 -03	BUILDING 5, FIRST FLOOR	69	-848.100	282.700	-38.600	159.800	5000.0 DPM/100 cm^2	034
01 -04	BUILDING 5, FIRST FLOOR	72	-393.600	1952.000	96.100	429.600	5000.0 DPM/100 cm^2	034
01 -06	BUILDING 5, FIRST FLOOR	35	-79.200	153.500	38.300	43.300	5000.0 DPM/100 cm^2	034
01 -07	BUILDING 5, FIRST FLOOR	30	-193.500	941.700	350.900	398.900	5000.0 DPM/100 cm^2	034
01 -08	BUILDING 5, FIRST FLOOR	65	-817.300	472.100	-102.600	334.200	5000.0 DPM/100 cm^2	034
01 -09	BUILDING 5, FIRST FLOOR	63	-165.900	462.700	23.700	89.400	5000.0 DPM/100 cm^2	034
01 -10	BUILDING 5, FIRST FLOOR	37	-201.200	304.400	39.300	123.800	5000.0 DPM/100 cm^2	034
01 -13	BUILDING 5, FIRST FLOOR	31	-189.200	200.800	-6.900	75.500	5000.0 DPM/100 cm^2	034
01 -14	BUILDING 5, UPPER SURFACES, UNITS 6 & 10	60	-171.700	480.200	153.500	173.400	5000.0 DPM/100 cm^2	034
02 -01	BUILDING 5, SECOND FLOOR	62	-96.000	518.000	160.700	147.700	5000.0 DPM/100 cm^2	023
02 -02	BUILDING 5, SECOND FLOOR	64	-323.000	689.700	28.500	202.800	5000.0 DPM/100 cm^2	023
02 -03	BUILDING 5, SECOND FLOOR	30	-363.800	464.000	110.900	223.800	5000.0 DPM/100 cm^2	023
02 -04	BUILDING 5, SECOND FLOOR	61	-113.500	759.500	165.800	193.300	5000.0 DPM/100 cm^2	023
03 -01	BUILDING 5, THIRD FLOOR	64	-165.900	416.100	75.500	120.500	5000.0 DPM/100 cm^2	024
04 -01	BUILDING 6, FIRST FLOOR	71	-151.100	622.700	114.800	173.700	5000.0 DPM/100 cm^2	017
04 -02	BUILDING 6, FIRST FLOOR	64	-168.800	413.200	62.800	109.400	5000.0 DPM/100 cm^2	017
04 -03	BUILDING 6, FIRST FLOOR	63	-124.700	454.000	60.300	124.400	5000.0 DPM/100 cm^2	017
04 -04	BUILDING 6, FIRST FLOOR	68	-177.500	442.300	80.500	150.600	5000.0 DPM/100 cm^2	017
04 -05	BUILDING 6, FIRST FLOOR	91	-177.500	331.700	70.400	115.000	5000.0 DPM/100 cm^2	017

TABLE 19
SUMMARY OF SURVEY RESULTS FOR BUILDINGS AND BUILDING ROOFS

LOCATION CODE	LOCATION DESCRIPTION	NUMBER OF SURVEY POINTS	MINIMUM VALUE	MAXIMUM VALUE	AVERAGE VALUE	STANDARD DEVIATION	RADIOLOGICAL ACCEPTANCE CRITERIA	UNITS FOR ALL VALUES	REPORT NUMBER
04 -06	BUILDING 6, VENTILATION SYSTEMS	9	-72.800	276.500	64.300	108.300	5000.0	DPM/100 cm^2	017
05 -01	BUILDING 6, SECOND FLOOR	74	-323.200	1532.800	6.500	262.300	5000.0	DPM/100 cm^2	019
05 -02	BUILDING 6, SECOND FLOOR	60	-136.700	456.900	115.500	163.000	5000.0	DPM/100 cm^2	019
06 -01	BUILDING 6A	86	-288.000	380.800	0.800	120.300	5000.0	DPM/100 cm^2	014
06 -02	BUILDING 6A	67	-262.400	326.400	-49.900	149.000	5000.0	DPM/100 cm^2	014
06 -03	BUILDING 6A	60	-176.000	438.400	1.300	168.100	5000.0	DPM/100 cm^2	014
07 -01	BUILDING 7, FIRST FLOOR	70	-252.800	370.800	25.200	135.500	5000.0	DPM/100 cm^2	012
07 -02	BUILDING 7, FIRST FLOOR	60	-1037.900	201.500	-42.600	185.800	5000.0	DPM/100 cm^2	012
07 -03	BUILDING 7, FIRST FLOOR	70	-438.400	-16.000	-221.100	123.700	5000.0	DPM/100 cm^2	012
07 -04	BUILDING 7, FIRST FLOOR	60	-99.200	371.200	101.700	105.000	5000.0	DPM/100 cm^2	012
07 -05	BUILDING 7, FIRST FLOOR	61	-304.100	198.400	-57.100	91.900	5000.0	DPM/100 cm^2	012
07 -06	BUILDING 7, FIRST FLOOR	67	-150.400	524.800	81.600	141.800	5000.0	DPM/100 cm^2	012
08 -01	BUILDING 8A, FIRST FLOOR	99	-245.700	327.600	-40.000	132.400	5000.0	DPM/100 cm^2	035
08 -02	BUILDING 8A, FIRST FLOOR	76	-382.200	249.600	-95.500	136.300	5000.0	DPM/100 cm^2	035
08 -03	BUILDING 8A, FIRST FLOOR	63	-171.700	1238.500	102.600	346.400	5000.0	DPM/100 cm^2	035
08 -04	BUILDING 8A, FIRST FLOOR	61	-299.700	275.800	2.000	105.500	5000.0	DPM/100 cm^2	035
08 -05	BUILDING 8A, FIRST FLOOR	73	-335.400	635.700	-65.300	152.900	5000.0	DPM/100 cm^2	035
09 -01	BUILDING 9, PIT	113	-637.300	177.500	0.900	103.400	5000.0	DPM/100 cm^2	016
10 -01	BUILDING 9, FIRST FLOOR, EXT. STORAGE	30	-154.200	550.000	105.500	141.100	5000.0	DPM/100 cm^2	020
10 -02	BUILDING 9, FIRST FLOOR	68	-508.800	467.200	-97.000	233.000	5000.0	DPM/100 cm^2	020
10 -03	BUILDING 9, FIRST FLOOR	62	-368.000	326.400	-23.300	182.100	5000.0	DPM/100 cm^2	020
10 -04	BUILDING 9, FIRST FLOOR	79	-86.400	284.800	84.600	90.000	5000.0	DPM/100 cm^2	020
10 -05	BUILDING 9, FIRST FLOOR	61	-251.900	308.500	13.200	129.000	5000.0	DPM/100 cm^2	020
10 -06	BUILDING 9, FIRST FLOOR	60	-185.600	358.400	21.700	97.800	5000.0	DPM/100 cm^2	020
10 -08	BUILDING 9, FIRST FLOOR	66	-145.500	404.500	40.700	103.900	5000.0	DPM/100 cm^2	020
10 -09	BUILDING 9, FIRST FLOOR	69	-284.800	183.300	-25.400	107.000	5000.0	DPM/100 cm^2	020
10 -10	BUILDING 9, FIRST FLOOR	61	-302.600	390.400	12.900	161.600	5000.0	DPM/100 cm^2	020
10 -11	BUILDING 9, FIRST FLOOR	62	-137.600	864.000	97.500	214.500	5000.0	DPM/100 cm^2	020
10 -12	BUILDING 9, FIRST FLOOR	64	-282.300	590.700	17.800	189.900	5000.0	DPM/100 cm^2	020
10 -14-1	BUILDING 9 PIPE CHASES - GROUP 1	251	-924.600	2219.000	194.700	385.200	5000.0	DPM/100 cm^2	010
10 -14-2	BUILDING 9 PIPE CHASES - GROUP 2	177	-428.600	1200.600	152.100	223.100	5000.0	DPM/100 cm^2	010

TABLE 19
SUMMARY OF SURVEY RESULTS FOR BUILDINGS AND BUILDING ROOFS

LOCATION CODE	LOCATION DESCRIPTION	NUMBER OF SURVEY POINTS	MINIMUM VALUE	MAXIMUM VALUE	AVERAGE VALUE	STANDARD DEVIATION	RADIOLOGICAL UNITS FOR ACCEPTANCE CRITERIA	ALL VALUES	REPORT NUMBER
10 -14-3	BUILDING 9 PIPE CHASES - GROUP 3	92	-142.000	394.000	130.600	109.900	5000.0	DPM/100 cm^2	010
10 -14-4	BUILDING 9 PIPE CHASES - ASSOCIATED PITS	22	-8.040	434.160	183.210	122.360	5000.0	DPM/100 cm^2	010
11 -01	HYDROGEN FACILITY	94	-285.200	533.300	-10.700	155.300	5000.0	DPM/100 cm^2	033
14 -01	BUILDING 4, BASEMENT	29	-488.300	596.200	-145.200	278.600	5000.0	DPM/100 cm^2	015
14 -02	BUILDING 4, BASEMENT	31	-135.300	288.000	24.300	118.200	5000.0	DPM/100 cm^2	015
15 -01	BUILDING 4, THIRD FLOOR	30	-238.600	285.200	57.900	120.800	5000.0	DPM/100 cm^2	029
16 -01	BUILDING 12, FIRST FLOOR	30	-42.400	157.500	59.300	46.900	5000.0	DPM/100 cm^2	027
27 -01	MONITORED DRAIN LINE PIT BEHIND BLDG. 5	20	-369.840	206.360	-206.360	162.610	5000.0	DPM/100 cm^2	008
28A-01	BUILDING 4, FIRST FLOOR	48	-787.000	1440.900	-220.500	627.200	5000.0	DPM/100 cm^2	025
28A-02	BUILDING 4, SECOND FLOOR	32	-76.800	1459.100	96.700	344.500	5000.0	DPM/100 cm^2	025
28B-01	BUILDING 5, FOURTH FLOOR	30	-80.800	119.100	18.100	49.300	5000.0	DPM/100 cm^2	030
28C-01	BUILDING 5A	30	-84.000	251.900	72.900	82.600	5000.0	DPM/100 cm^2	026
28D-01	BUILDING 7, SECOND FLOOR	30	-149.800	311.800	38.600	92.600	5000.0	DPM/100 cm^2	013
28E-01	BUILDING 8	52	-1675.800	659.200	-115.000	349.700	5000.0	DPM/100 cm^2	011
28F-01	BUILDING 8A, SECOND FLOOR	36	-11.600	1618.000	635.000	521.400	5000.0	DPM/100 cm^2	032
28G-01	BUILDING 9, SECOND FLOOR	36	-124.700	227.900	54.700	78.100	5000.0	DPM/100 cm^2	022
28H-01	BUILDING 10, FIRST FLOOR	35	-101.500	309.100	93.700	117.500	5000.0	DPM/100 cm^2	021
28H-02	BUILDING 10, SECOND FLOOR	32	-62.400	243.900	35.100	69.500	5000.0	DPM/100 cm^2	021
28I-01	BUILDING 11, FIRST FLOOR	36	-107.900	76.000	5.800	42.900	5000.0	DPM/100 cm^2	018
28I-02	BUILDING 11, SECOND FLOOR	36	11.600	1466.600	417.800	429.800	5000.0	DPM/100 cm^2	018
28J-01	FIREHALL	30	-180.400	401.600	53.700	154.800	5000.0	DPM/100 cm^2	031
28K-01	INCINERATOR BUILDING	18	-80.450	78.460	-12.030	46.570	5000.0	DPM/100 cm^2	005
28K-02	INCINERATOR BLDG. - INSIDE INCINERATOR	20	659.280	2535.280	1921.150	626.060	5000.0	DPM/100 cm^2	005
28K-03	INCINERATOR BUILDING - INSIDE CHIMNEY	8	455.600	589.600	505.850	64.870	5000.0	DPM/100 cm^2	005
28L-01	BUILDING 12, SECOND FLOOR	30	-291.000	552.900	85.900	174.500	5000.0	DPM/100 cm^2	028
29 -01	ROOF SURFACE FOR BLDG 5	51	-694.200	1298.700	168.500	617.300	5000.0	DPM/100 cm^2	038
29 -02	ROOF SURFACE FOR BLDGS 6,7&8	31	-854.100	159.900	-280.400	233.800	5000.0	DPM/100 cm^2	038
29 -03	ROOF SURFACE FOR BLDG 8A	45	3.600	748.800	288.200	203.100	5000.0	DPM/100 cm^2	038
29 -04	ROOF SURFACE FOR BLDG 9	34	-64.800	583.200	296.700	166.500	5000.0	DPM/100 cm^2	038
29 -05	ROOF SURFACE FOR HYDROGEN FACILITY	30	129.600	1335.600	761.500	329.700	5000.0	DPM/100 cm^2	038
29 -06	ROOF SURFACE FOR BLDGS 4,10,11,&FIREHALL	37	-486.000	842.400	14.900	337.600	5000.0	DPM/100 cm^2	038

TABLE 19

SUMMARY OF SURVEY RESULTS FOR BUILDINGS AND BUILDING ROOFS

LOCATION CODE	LOCATION DESCRIPTION	NUMBER OF SURVEY POINTS	MINIMUM VALUE	MAXIMUM VALUE	AVERAGE VALUE	STANDARD DEVIATION	RADIOLOGICAL UNITS FOR ACCEPTANCE ALL VALUES CRITERIA	REPORT NUMBER
29 -09	ROOF VENTS FOR BLDGS 9 & HYDROGEN FAC.	18	-858.000	147.600	-309.000	285.500	5000.0 DPM/100 cm^2	038
** Subtotal **		4646						
** SURVEY TYPE = FIXED ALPHA SURVEY AT SURVEY POINT								
01 -01	BUILDING 5, FIRST FLOOR	74	-13.000	30.300	2.100	7.800	5000.0 DPM/100 cm^2	034
01 -03	BUILDING 5, FIRST FLOOR	69	-13.200	30.300	3.700	7.300	5000.0 DPM/100 cm^2	034
01 -04	BUILDING 5, FIRST FLOOR	67	-22.000	243.800	11.500	42.200	5000.0 DPM/100 cm^2	034
01 -06	BUILDING 5, FIRST FLOOR	35	-2.400	11.000	3.100	3.400	5000.0 DPM/100 cm^2	034
01 -07	BUILDING 5, FIRST FLOOR	29	-8.300	20.800	1.300	8.500	5000.0 DPM/100 cm^2	034
01 -08	BUILDING 5, FIRST FLOOR	65	-73.400	30.900	-14.700	30.400	5000.0 DPM/100 cm^2	034
01 -09	BUILDING 5, FIRST FLOOR	63	-4.900	34.600	2.900	6.400	5000.0 DPM/100 cm^2	034
01 -10	BUILDING 5, FIRST FLOOR	37	-9.200	9.200	0.100	5.200	5000.0 DPM/100 cm^2	034
01 -13	BUILDING 5, FIRST FLOOR	31	-13.000	17.300	-1.800	6.900	5000.0 DPM/100 cm^2	034
01 -14	BUILDING 5, UPPER SURFACES, UNITS 6 & 10	60	-13.000	30.300	3.300	10.700	5000.0 DPM/100 cm^2	034
02 -01	BUILDING 5, SECOND FLOOR	62	-1.200	30.300	4.900	6.300	5000.0 DPM/100 cm^2	023
02 -02	BUILDING 5, SECOND FLOOR	64	-8.700	39.000	5.400	7.100	5000.0 DPM/100 cm^2	023
02 -03	BUILDING 5, SECOND FLOOR	30	-18.400	43.300	2.100	12.500	5000.0 DPM/100 cm^2	023
02 -04	BUILDING 5, SECOND FLOOR	61	-3.700	39.000	9.900	8.300	5000.0 DPM/100 cm^2	023
03 -01	BUILDING 5, THIRD FLOOR	64	-6.100	39.000	7.500	9.000	5000.0 DPM/100 cm^2	024
04 -01	BUILDING 6, FIRST FLOOR	71	-8.700	99.600	5.600	16.100	5000.0 DPM/100 cm^2	017
04 -02	BUILDING 6, FIRST FLOOR	64	-11.300	17.300	0.300	6.000	5000.0 DPM/100 cm^2	017
04 -03	BUILDING 6, FIRST FLOOR	63	-11.300	21.700	5.000	7.500	5000.0 DPM/100 cm^2	017
04 -04	BUILDING 6, FIRST FLOOR	67	-13.500	21.700	2.300	6.600	5000.0 DPM/100 cm^2	017
04 -05	BUILDING 6, FIRST FLOOR	91	-8.700	21.700	4.000	6.700	5000.0 DPM/100 cm^2	017
04 -06	BUILDING 6, VENTILATION SYSTEMS	9	-8.700	13.000	1.900	6.500	5000.0 DPM/100 cm^2	017
05 -01	BUILDING 6, SECOND FLOOR	74	-22.600	101.200	4.900	19.200	5000.0 DPM/100 cm^2	019
05 -02	BUILDING 6, SECOND FLOOR	60	-4.900	43.300	4.800	7.900	5000.0 DPM/100 cm^2	019
06 -01	BUILDING 6A	86	-26.000	24.800	-0.500	11.800	5000.0 DPM/100 cm^2	014
06 -02	BUILDING 6A	67	-24.800	23.000	-2.400	11.200	5000.0 DPM/100 cm^2	014
06 -03	BUILDING 6A	60	-19.200	24.800	2.400	8.400	5000.0 DPM/100 cm^2	014

TABLE 19
SUMMARY OF SURVEY RESULTS FOR BUILDINGS AND BUILDING ROOFS

LOCATION CODE	LOCATION DESCRIPTION	NUMBER OF SURVEY POINTS	MINIMUM VALUE	MAXIMUM VALUE	AVERAGE VALUE	STANDARD DEVIATION	RADIOLOGICAL UNITS FOR ACCEPTANCE CRITERIA	REPORT NUMBER
07 -01	BUILDING 7, FIRST FLOOR	70	-55.300	23.000	-5.300	17.200	ALL VALUES 5000.0 DPM/100 cm^2	012
07 -02	BUILDING 7, FIRST FLOOR	60	-56.500	13.800	-3.300	15.600	5000.0 DPM/100 cm^2	012
07 -03	BUILDING 7, FIRST FLOOR	70	-23.700	13.800	-1.700	8.500	5000.0 DPM/100 cm^2	012
07 -04	BUILDING 7, FIRST FLOOR	60	-24.800	27.600	1.900	8.600	5000.0 DPM/100 cm^2	012
07 -05	BUILDING 7, FIRST FLOOR	61	-15.800	13.800	-1.700	6.400	5000.0 DPM/100 cm^2	012
07 -06	BUILDING 7, FIRST FLOOR	67	-12.400	23.000	4.300	6.900	5000.0 DPM/100 cm^2	012
08 -01	BUILDING 8A, FIRST FLOOR	99	-20.800	15.600	0.600	7.100	5000.0 DPM/100 cm^2	035
08 -02	BUILDING 8A, FIRST FLOOR	76	-20.800	20.800	1.000	7.600	5000.0 DPM/100 cm^2	035
08 -03	BUILDING 8A, FIRST FLOOR	63	-7.300	17.300	2.600	5.600	5000.0 DPM/100 cm^2	035
08 -04	BUILDING 8A, FIRST FLOOR	61	-6.100	21.700	0.700	4.500	5000.0 DPM/100 cm^2	035
08 -05	BUILDING 8A, FIRST FLOOR	73	-10.400	15.600	-0.400	5.400	5000.0 DPM/100 cm^2	035
08 -06	BUILDING 8A, FIRST FLOOR, SPECIAL GRIDS	415	-5.900	20.500	4.000	4.500	5000.0 DPM/100 cm^2	035
09 -01	BUILDING 9, PIT	113	0.000	103.920	20.290	15.950	5000.0 DPM/100 cm^2	016
10 -01	BUILDING 9, FIRST FLOOR, EXT. STORAGE	30	-1.200	13.000	1.900	3.100	5000.0 DPM/100 cm^2	020
10 -02	BUILDING 9, FIRST FLOOR	68	-13.800	18.100	-2.200	8.600	5000.0 DPM/100 cm^2	020
10 -03	BUILDING 9, FIRST FLOOR	62	-67.700	18.400	-13.700	24.000	5000.0 DPM/100 cm^2	020
10 -04	BUILDING 9, FIRST FLOOR	79	-13.200	23.000	3.100	7.100	5000.0 DPM/100 cm^2	020
10 -05	BUILDING 9, FIRST FLOOR	61	-12.400	26.000	2.200	7.500	5000.0 DPM/100 cm^2	020
10 -06	BUILDING 9, FIRST FLOOR	60	-23.000	14.700	-7.700	9.400	5000.0 DPM/100 cm^2	020
10 -08	BUILDING 9, FIRST FLOOR	66	-18.100	129.900	5.200	17.500	5000.0 DPM/100 cm^2	020
10 -09	BUILDING 9, FIRST FLOOR	69	-4.300	27.600	5.100	6.200	5000.0 DPM/100 cm^2	020
10 -10	BUILDING 9, FIRST FLOOR	61	-24.800	21.500	1.800	8.800	5000.0 DPM/100 cm^2	020
10 -11	BUILDING 9, FIRST FLOOR	62	-21.500	23.000	-3.400	9.600	5000.0 DPM/100 cm^2	020
10 -12	BUILDING 9, FIRST FLOOR	64	-20.300	73.600	6.800	13.700	5000.0 DPM/100 cm^2	020
10 -14-1	BUILDING 9 PIPE CHASES - GROUP 1	251	-11.100	535.100	36.800	73.400	5000.0 DPM/100 cm^2	010
10 -14-2	BUILDING 9 PIPE CHASES - GROUP 2	177	-14.800	250.900	12.200	35.500	5000.0 DPM/100 cm^2	010
10 -14-3	BUILDING 9 PIPE CHASES - GROUP 3	92	-14.800	29.500	-1.600	8.000	5000.0 DPM/100 cm^2	010
10 -14-4	BUILDING 9 PIPE CHASES - ASSOCIATED PITS	22	-7.380	25.830	0.840	8.090	5000.0 DPM/100 cm^2	010
11 -01	HYDROGEN FACILITY	98	-6.100	76.900	8.200	14.800	5000.0 DPM/100 cm^2	033
14 -01	BUILDING 4, BASEMENT	29	-13.200	13.200	-1.200	7.000	5000.0 DPM/100 cm^2	015
14 -02	BUILDING 4, BASEMENT	31	-2.300	27.600	10.300	8.900	5000.0 DPM/100 cm^2	015

TABLE 19

SUMMARY OF SURVEY RESULTS FOR BUILDINGS AND BUILDING ROOFS

LOCATION CODE	LOCATION DESCRIPTION	NUMBER OF SURVEY POINTS	MINIMUM VALUE	MAXIMUM VALUE	AVERAGE VALUE	STANDARD DEVIATION	RADIOLOGICAL UNITS FOR ACCEPTANCE CRITERIA	ALL VALUES	REPORT NUMBER
15 -01	BUILDING 4, THIRD FLOOR	30	-9.800	21.700	-1.200	6.700	5000.0 DPM/100 cm^2		029
16 -01	BUILDING 12, FIRST FLOOR	30	-1.200	15.900	6.500	4.500	5000.0 DPM/100 cm^2		027
27 -01	MONITORED DRAIN LINE PIT BEHIND BLDG. 5	20	-43.540	4.430	-36.720	14.860	5000.0 DPM/100 cm^2		008
28A-01	BUILDING 4, FIRST FLOOR	48	-6.100	34.600	3.900	7.900	5000.0 DPM/100 cm^2		025
28A-02	BUILDING 4, SECOND FLOOR	32	-29.400	28.200	3.000	12.800	5000.0 DPM/100 cm^2		025
28B-01	BUILDING 5, FOURTH FLOOR	30	-3.700	24.400	5.100	6.100	5000.0 DPM/100 cm^2		030
28C-01	BUILDING 5A	30	-8.500	7.300	-0.200	4.000	5000.0 DPM/100 cm^2		026
28D-01	BUILDING 7, SECOND FLOOR	30	-10.200	15.800	1.700	7.400	5000.0 DPM/100 cm^2		013
28E-01	BUILDING 8	52	-24.800	18.400	-1.000	8.700	5000.0 DPM/100 cm^2		011
28F-01	BUILDING 8A, SECOND FLOOR	36	-17.300	69.300	-0.700	21.200	5000.0 DPM/100 cm^2		032
28G-01	BUILDING 9, SECOND FLOOR	36	-4.900	8.500	1.000	3.000	5000.0 DPM/100 cm^2		022
28H-01	BUILDING 10, FIRST FLOOR	35	-4.900	29.300	5.700	6.300	5000.0 DPM/100 cm^2		021
28H-02	BUILDING 10, SECOND FLOOR	32	-6.100	14.700	4.800	5.500	5000.0 DPM/100 cm^2		021
28I-01	BUILDING 11, FIRST FLOOR	36	-7.300	20.800	5.700	6.200	5000.0 DPM/100 cm^2		018
28I-02	BUILDING 11, SECOND FLOOR	36	-4.300	69.300	18.600	18.000	5000.0 DPM/100 cm^2		018
28J-01	FIREHALL	30	-8.700	17.300	1.000	6.600	5000.0 DPM/100 cm^2		031
28K-01	INCINERATOR BUILDING	18	-1.140	2.510	0.040	0.930	5000.0 DPM/100 cm^2		005
28K-02	INCINERATOR BLDG. - INSIDE INCINERATOR	12	-25.830	-3.690	-17.840	6.710	5000.0 DPM/100 cm^2		005
28L-01	BUILDING 12, SECOND FLOOR	30	-2.400	13.000	3.500	3.500	5000.0 DPM/100 cm^2		028
29 -01	ROOF SURFACE FOR BLDG 5	51	-20.400	321.300	66.000	91.100	5000.0 DPM/100 cm^2		038
29 -02	ROOF SURFACE FOR BLDGS 6,7&8	31	-5.200	41.600	22.300	11.200	5000.0 DPM/100 cm^2		038
29 -03	ROOF SURFACE FOR BLDG 8A	45	-5.200	66.300	20.400	15.700	5000.0 DPM/100 cm^2		038
29 -04	ROOF SURFACE FOR BLDG 9	34	0.000	66.300	21.500	14.000	5000.0 DPM/100 cm^2		038
29 -05	ROOF SURFACE FOR HYDROGEN FACILITY	30	0.000	132.600	49.500	34.300	5000.0 DPM/100 cm^2		038
29 -06	ROOF SURFACE FOR BLDGS 4,10,11,&FIREHALL	37	-10.200	51.000	17.200	17.400	5000.0 DPM/100 cm^2		038
29 -07	ROOF VENTS FOR BLDG 5	49	-10.200	86.700	16.700	21.300	5000.0 DPM/100 cm^2		038
29 -08	ROOF VENTS FOR BLDGS 6,7,&8A	22	-10.200	188.700	26.000	42.000	5000.0 DPM/100 cm^2		038
29 -09	ROOF VENTS FOR BLDGS 9 & HYDROGEN FAC.	49	-5.200	255.000	28.500	50.200	5000.0 DPM/100 cm^2		038
29 -10	ROOF VENTS FOR BLDGS 4,8,10,11& FIREHALL	36	-10.200	295.800	33.900	69.400	5000.0 DPM/100 cm^2		038
** Subtotal **		5180							

TABLE 19
SUMMARY OF SURVEY RESULTS FOR BUILDINGS AND BUILDING ROOFS

LOCATION CODE	LOCATION DESCRIPTION	NUMBER OF SURVEY POINTS	MINIMUM VALUE	MAXIMUM VALUE	AVERAGE VALUE	STANDARD DEVIATION	RADIOLOGICAL UNITS FOR ACCEPTANCE CRITERIA	ALL VALUES REPORT NUMBER
** SURVEY TYPE = FIXED BETA SURVEY AT SURVEY POINT								
01 -01	BUILDING 5, FIRST FLOOR	74	-181.500	759.500	51.100	167.500	5000.0 DPM/100 cm^2	034
01 -03	BUILDING 5, FIRST FLOOR	69	-346.300	226.200	-9.200	98.100	5000.0 DPM/100 cm^2	034
01 -04	BUILDING 5, FIRST FLOOR	67	-238.600	2230.400	119.000	414.200	5000.0 DPM/100 cm^2	034
01 -06	BUILDING 5, FIRST FLOOR	35	-87.900	131.900	55.900	47.300	5000.0 DPM/100 cm^2	034
01 -07	BUILDING 5, FIRST FLOOR	30	-221.900	754.000	270.300	377.100	5000.0 DPM/100 cm^2	034
01 -08	BUILDING 5, FIRST FLOOR	65	-683.600	289.000	-56.300	229.600	5000.0 DPM/100 cm^2	034
01 -09	BUILDING 5, FIRST FLOOR	63	-116.400	509.300	38.400	84.800	5000.0 DPM/100 cm^2	034
01 -10	BUILDING 5, FIRST FLOOR	37	-157.400	1171.300	128.000	224.400	5000.0 DPM/100 cm^2	034
01 -13	BUILDING 5, FIRST FLOOR	31	-93.100	104.800	16.700	53.400	5000.0 DPM/100 cm^2	034
01 -14	BUILDING 5, UPPER SURFACES, UNITS 6 & 10	60	-212.400	672.200	189.900	206.300	5000.0 DPM/100 cm^2	034
02 -01	BUILDING 5, SECOND FLOOR	62	-142.600	579.100	159.600	164.900	5000.0 DPM/100 cm^2	023
02 -02	BUILDING 5, SECOND FLOOR	64	-331.700	777.000	42.700	214.300	5000.0 DPM/100 cm^2	023
02 -03	BUILDING 5, SECOND FLOOR	30	-177.500	604.800	156.400	237.300	5000.0 DPM/100 cm^2	023
02 -04	BUILDING 5, SECOND FLOOR	61	-128.000	759.500	186.100	203.800	5000.0 DPM/100 cm^2	023
03 -01	BUILDING 5, THIRD FLOOR	64	-264.800	663.500	114.700	202.500	5000.0 DPM/100 cm^2	024
04 -01	BUILDING 6, FIRST FLOOR	71	-123.100	611.100	128.000	182.100	5000.0 DPM/100 cm^2	017
04 -02	BUILDING 6, FIRST FLOOR	64	-136.800	518.000	76.100	117.000	5000.0 DPM/100 cm^2	017
04 -03	BUILDING 6, FIRST FLOOR	63	-118.600	468.500	62.200	125.300	5000.0 DPM/100 cm^2	017
04 -04	BUILDING 6, FIRST FLOOR	68	-209.500	453.200	90.700	147.000	5000.0 DPM/100 cm^2	017
04 -05	BUILDING 6, FIRST FLOOR	91	-314.300	419.000	89.600	136.900	5000.0 DPM/100 cm^2	017
04 -06	BUILDING 6, VENTILATION SYSTEMS	9	-66.900	145.500	32.700	57.400	5000.0 DPM/100 cm^2	017
05 -01	BUILDING 6, SECOND FLOOR	74	-243.200	998.400	39.100	227.300	5000.0 DPM/100 cm^2	019
05 -02	BUILDING 6, SECOND FLOOR	60	-98.300	558.700	108.700	173.800	5000.0 DPM/100 cm^2	019
06 -01	BUILDING 6A	86	-188.800	761.600	31.600	141.700	5000.0 DPM/100 cm^2	014
06 -02	BUILDING 6A	67	-297.600	1209.600	-19.300	230.600	5000.0 DPM/100 cm^2	014
06 -03	BUILDING 6A	60	-256.200	486.400	-1.000	184.400	5000.0 DPM/100 cm^2	014
07 -01	BUILDING 7, FIRST FLOOR	70	-224.000	327.000	9.500	118.500	5000.0 DPM/100 cm^2	012
07 -02	BUILDING 7, FIRST FLOOR	60	-233.600	292.700	-6.500	153.200	5000.0 DPM/100 cm^2	012
07 -03	BUILDING 7, FIRST FLOOR	70	-451.200	-11.400	-201.300	119.300	5000.0 DPM/100 cm^2	012
07 -04	BUILDING 7, FIRST FLOOR	60	-76.800	576.000	123.500	137.200	5000.0 DPM/100 cm^2	012

TABLE 19
SUMMARY OF SURVEY RESULTS FOR BUILDINGS AND BUILDING ROOFS

LOCATION CODE	LOCATION DESCRIPTION	NUMBER OF SURVEY POINTS	MINIMUM VALUE	MAXIMUM VALUE	AVERAGE VALUE	STANDARD DEVIATION	RADIOLOGICAL UNITS FOR ACCEPTANCE CRITERIA	ALL VALUES	REPORT NUMBER
07 -05	BUILDING 7, FIRST FLOOR	61	-320.100	243.200	-31.200	107.200	5000.0 DPM/100 cm^2		012
07 -06	BUILDING 7, FIRST FLOOR	67	-133.100	608.000	92.900	135.100	5000.0 DPM/100 cm^2		012
08 -01	BUILDING 8A, FIRST FLOOR	99	-249.600	382.200	-29.000	139.700	5000.0 DPM/100 cm^2		035
08 -02	BUILDING 8A, FIRST FLOOR	76	-405.600	273.000	-77.000	154.200	5000.0 DPM/100 cm^2		035
08 -03	BUILDING 8A, FIRST FLOOR	63	-151.300	1260.900	104.800	350.800	5000.0 DPM/100 cm^2		035
08 -04	BUILDING 8A, FIRST FLOOR	61	-740.400	296.600	-5.200	138.300	5000.0 DPM/100 cm^2		035
08 -05	BUILDING 8A, FIRST FLOOR	73	-343.200	682.500	-53.700	175.000	5000.0 DPM/100 cm^2		035
08 -06	BUILDING 8A, FIRST FLOOR, SPECIAL GRIDS	415	-387.300	203.600	14.400	76.300	5000.0 DPM/100 cm^2		035
09 -01	BUILDING 9, PIT	113	-210.280	194.970	14.080	78.430	5000.0 DPM/100 cm^2		016
10 -01	BUILDING 9, FIRST FLOOR, EXT. STORAGE	30	-98.900	523.800	134.100	136.000	5000.0 DPM/100 cm^2		020
10 -02	BUILDING 9, FIRST FLOOR	68	-403.200	422.400	-31.000	194.700	5000.0 DPM/100 cm^2		020
10 -03	BUILDING 9, FIRST FLOOR	62	-438.400	361.600	-1.300	181.400	5000.0 DPM/100 cm^2		020
10 -04	BUILDING 9, FIRST FLOOR	79	-147.200	320.000	74.900	102.300	5000.0 DPM/100 cm^2		020
10 -05	BUILDING 9, FIRST FLOOR	61	-221.200	445.200	66.000	145.800	5000.0 DPM/100 cm^2		020
10 -06	BUILDING 9, FIRST FLOOR	60	-121.600	304.000	37.600	100.800	5000.0 DPM/100 cm^2		020
10 -08	BUILDING 9, FIRST FLOOR	66	-189.200	509.300	31.500	124.300	5000.0 DPM/100 cm^2		020
10 -09	BUILDING 9, FIRST FLOOR	69	-243.200	253.200	-6.000	118.900	5000.0 DPM/100 cm^2		020
10 -10	BUILDING 9, FIRST FLOOR	61	-323.200	337.600	9.400	132.900	5000.0 DPM/100 cm^2		020
10 -11	BUILDING 9, FIRST FLOOR	62	-102.400	921.600	137.600	201.100	5000.0 DPM/100 cm^2		020
10 -12	BUILDING 9, FIRST FLOOR	64	-148.300	704.200	103.000	212.400	5000.0 DPM/100 cm^2		020
10 -14-1	BUILDING 9 PIPE CHASES - GROUP 1	251	-302.800	3934.200	368.900	555.700	5000.0 DPM/100 cm^2		010
10 -14-2	BUILDING 9 PIPE CHASES - GROUP 2	177	-176.900	1173.800	234.100	183.300	5000.0 DPM/100 cm^2		010
10 -14-3	BUILDING 9 PIPE CHASES - GROUP 3	92	-45.600	375.200	185.700	76.900	5000.0 DPM/100 cm^2		010
10 -14-4	BUILDING 9 PIPE CHASES - ASSOCIATED PITS	22	85.760	557.440	225.850	104.400	5000.0 DPM/100 cm^2		010
11 -01	HYDROGEN FACILITY	98	-288.100	889.200	83.200	227.200	5000.0 DPM/100 cm^2		033
14 -01	BUILDING 4, BASEMENT	29	-449.800	652.800	-136.300	279.200	5000.0 DPM/100 cm^2		015
14 -02	BUILDING 4, BASEMENT	31	-167.300	387.200	46.300	155.100	5000.0 DPM/100 cm^2		015
15 -01	BUILDING 4, THIRD FLOOR	30	-4.000	480.200	95.700	89.300	5000.0 DPM/100 cm^2		029
16 -01	BUILDING 12, FIRST FLOOR	30	-20.000	202.300	73.300	48.400	5000.0 DPM/100 cm^2		027
27 -01	MONITORED DRAIN LINE PIT BEHIND BLDG. 5	20	-351.080	353.760	-191.350	196.530	5000.0 DPM/100 cm^2		008
28A-01	BUILDING 4, FIRST FLOOR	48	-739.100	1460.700	-218.900	635.500	5000.0 DPM/100 cm^2		025

TABLE 19

SUMMARY OF SURVEY RESULTS FOR BUILDINGS AND BUILDING ROOFS

LOCATION CODE	LOCATION DESCRIPTION	NUMBER OF SURVEY POINTS	MINIMUM VALUE	MAXIMUM VALUE	AVERAGE VALUE	STANDARD DEVIATION	RADIOLOGICAL UNITS FOR ACCEPTANCE ALL VALUES CRITERIA	REPORT NUMBER
28A-02	BUILDING 4, SECOND FLOOR	32	-53.200	1482.000	94.800	359.800	5000.0 DPM/100 cm^2	025
28B-01	BUILDING 5, FOURTH FLOOR	30	-64.800	116.700	40.400	45.100	5000.0 DPM/100 cm^2	030
28C-01	BUILDING 5A	30	-78.400	250.300	78.400	79.300	5000.0 DPM/100 cm^2	026
28D-01	BUILDING 7, SECOND FLOOR	30	-73.800	217.500	36.300	86.500	5000.0 DPM/100 cm^2	013
28E-01	BUILDING 8	52	-1113.600	979.200	-55.600	294.800	5000.0 DPM/100 cm^2	011
28F-01	BUILDING 8A, SECOND FLOOR	36	5.800	1563.100	642.200	530.500	5000.0 DPM/100 cm^2	032
28G-01	BUILDING 9, SECOND FLOOR	36	-46.400	298.200	67.300	81.400	5000.0 DPM/100 cm^2	022
28H-01	BUILDING 10, FIRST FLOOR	35	-92.700	338.200	110.800	115.400	5000.0 DPM/100 cm^2	021
28H-02	BUILDING 10, SECOND FLOOR	32	-31.200	331.800	63.900	90.800	5000.0 DPM/100 cm^2	021
28I-01	BUILDING 11, FIRST FLOOR	36	-86.400	96.700	16.300	42.800	5000.0 DPM/100 cm^2	018
28I-02	BUILDING 11, SECOND FLOOR	36	26.200	1268.800	379.000	373.500	5000.0 DPM/100 cm^2	018
28J-01	FIREHALL	30	-14.600	558.700	208.600	171.100	5000.0 DPM/100 cm^2	031
28K-01	INCINERATOR BUILDING	18	-37.260	40.650	2.260	16.800	5000.0 DPM/100 cm^2	005
28K-02	INCINERATOR BLDG. - INSIDE INCINERATOR	12	664.640	2481.680	1921.400	726.280	5000.0 DPM/100 cm^2	005
28L-01	BUILDING 12, SECOND FLOOR	30	-215.300	666.400	113.600	192.900	5000.0 DPM/100 cm^2	028
29 -01	ROOF SURFACE FOR BLDG 5	51	-729.300	1333.800	189.500	529.100	5000.0 DPM/100 cm^2	038
29 -02	ROOF SURFACE FOR BLDGS 6,7&8	31	-666.900	471.900	-235.800	305.800	5000.0 DPM/100 cm^2	038
29 -03	ROOF SURFACE FOR BLDG 8A	45	68.400	943.200	482.700	232.600	5000.0 DPM/100 cm^2	038
29 -04	ROOF SURFACE FOR BLDG 9	34	-75.600	867.600	322.500	185.000	5000.0 DPM/100 cm^2	038
29 -05	ROOF SURFACE FOR HYDROGEN FACILITY	30	327.600	2372.400	1299.000	482.800	5000.0 DPM/100 cm^2	038
29 -06	ROOF SURFACE FOR BLDGS 4,10,11,&FIREHALL	37	-349.200	943.800	157.900	327.200	5000.0 DPM/100 cm^2	038
29 -07	ROOF VENTS FOR BLDG 5	49	-959.400	218.400	-470.400	316.300	5000.0 DPM/100 cm^2	038
29 -08	ROOF VENTS FOR BLDGS 6,7,&8A	22	-147.600	684.000	148.400	192.500	5000.0 DPM/100 cm^2	038
29 -09	ROOF VENTS FOR BLDGS 9 & HYDROGEN FAC.	49	-799.500	907.200	-46.900	358.200	5000.0 DPM/100 cm^2	038
29 -10	ROOF VENTS FOR BLDGS 4,8,10,11& FIREHALL	36	-994.500	982.800	-200.700	442.000	5000.0 DPM/100 cm^2	038
** Subtotal **		5182						
** SURVEY TYPE = REMOVABLE ALPHA SMEAR SURVEY AT SURVEY POINT								
01 -01	BUILDING 5, FIRST FLOOR	74	-0.260	7.740	-0.160	0.920	1000.0 DPM/100 cm^2	034
01 -03	BUILDING 5, FIRST FLOOR	69	-0.260	8.050	0.010	1.360	1000.0 DPM/100 cm^2	034

TABLE 19
SUMMARY OF SURVEY RESULTS FOR BUILDINGS AND BUILDING ROOFS

LOCATION CODE	LOCATION DESCRIPTION	NUMBER OF SURVEY POINTS	MINIMUM VALUE	MAXIMUM VALUE	AVERAGE VALUE	STANDARD DEVIATION	RADIOLOGICAL UNITS FOR ACCEPTANCE ALL VALUES CRITERIA	REPORT NUMBER
01 -04	BUILDING 5, FIRST FLOOR	71	-0.260	7.740	0.040	1.450	1000.0 DPM/100 cm^2	034
01 -06	BUILDING 5, FIRST FLOOR	35	-0.260	2.380	-0.190	0.440	1000.0 DPM/100 cm^2	034
01 -07	BUILDING 5, FIRST FLOOR	30	-0.150	8.050	0.120	1.470	1000.0 DPM/100 cm^2	034
01 -08	BUILDING 5, FIRST FLOOR	65	-0.150	8.050	0.220	1.690	1000.0 DPM/100 cm^2	034
01 -09	BUILDING 5, FIRST FLOOR	63	-0.260	42.010	0.740	5.440	1000.0 DPM/100 cm^2	034
01 -10	BUILDING 5, FIRST FLOOR	37	-0.150	8.050	0.070	1.330	1000.0 DPM/100 cm^2	034
01 -13	BUILDING 5, FIRST FLOOR	31	-2.490	7.510	0.170	1.970	1000.0 DPM/100 cm^2	034
01 -14	BUILDING 5, UPPER SURFACES, UNITS 6 & 10	60	-0.260	7.740	0.270	2.000	1000.0 DPM/100 cm^2	034
02 -01	BUILDING 5, SECOND FLOOR	62	-0.260	7.740	0.160	1.710	1000.0 DPM/100 cm^2	023
02 -02	BUILDING 5, SECOND FLOOR	64	-0.260	7.740	0.650	2.500	1000.0 DPM/100 cm^2	023
02 -03	BUILDING 5, SECOND FLOOR	30	-0.260	-0.260	-0.260	0.000	1000.0 DPM/100 cm^2	023
02 -04	BUILDING 5, SECOND FLOOR	61	-0.270	7.510	-0.140	0.990	1000.0 DPM/100 cm^2	023
03 -01	BUILDING 5, THIRD FLOOR	64	-0.260	2.380	-0.220	0.330	1000.0 DPM/100 cm^2	024
04 -01	BUILDING 6, FIRST FLOOR	71	-0.270	7.740	-0.040	1.320	1000.0 DPM/100 cm^2	017
04 -02	BUILDING 6, FIRST FLOOR	64	-0.260	7.740	-0.100	1.040	1000.0 DPM/100 cm^2	017
04 -03	BUILDING 6, FIRST FLOOR	63	-0.260	7.740	-0.140	1.000	1000.0 DPM/100 cm^2	017
04 -04	BUILDING 6, FIRST FLOOR	67	-0.260	-0.160	-0.260	0.010	1000.0 DPM/100 cm^2	017
04 -05	BUILDING 6, FIRST FLOOR	91	-0.260	7.510	0.020	1.410	1000.0 DPM/100 cm^2	017
04 -06	BUILDING 6, VENTILATION SYSTEMS	9	-0.260	7.510	0.600	2.440	1000.0 DPM/100 cm^2	017
05 -01	BUILDING 6, SECOND FLOOR	74	-0.150	8.050	-0.040	0.950	1000.0 DPM/100 cm^2	019
05 -02	BUILDING 6, SECOND FLOOR	60	-0.260	15.280	0.690	2.880	1000.0 DPM/100 cm^2	019
06 -01	BUILDING 6A	86	-0.150	8.050	0.230	1.730	1000.0 DPM/100 cm^2	014
06 -02	BUILDING 6A	72	-0.150	8.050	0.300	1.970	1000.0 DPM/100 cm^2	014
06 -03	BUILDING 6A	60	-0.150	7.810	0.120	1.970	1000.0 DPM/100 cm^2	014
07 -01	BUILDING 7, FIRST FLOOR	70	-0.150	8.050	-0.030	1.670	1000.0 DPM/100 cm^2	012
07 -02	BUILDING 7, FIRST FLOOR	60	-0.150	8.050	0.260	1.670	1000.0 DPM/100 cm^2	012
07 -03	BUILDING 7, FIRST FLOOR	70	-0.015	7.810	-0.040	1.670	1000.0 DPM/100 cm^2	012
07 -04	BUILDING 7, FIRST FLOOR	60	-0.150	8.050	0.120	1.370	1000.0 DPM/100 cm^2	012
07 -05	BUILDING 7, FIRST FLOOR	61	-0.150	8.050	0.250	1.370	1000.0 DPM/100 cm^2	012
07 -06	BUILDING 7, FIRST FLOOR	67	-0.150	-0.150	-0.150	1.370	1000.0 DPM/100 cm^2	012
08 -01	BUILDING 8A, FIRST FLOOR	99	-0.260	7.740	0.080	1.560	1000.0 DPM/100 cm^2	035

TABLE 19
SUMMARY OF SURVEY RESULTS FOR BUILDINGS AND BUILDING ROOFS

LOCATION CODE	LOCATION DESCRIPTION	NUMBER OF SURVEY POINTS	MINIMUM VALUE	MAXIMUM VALUE	AVERAGE VALUE	STANDARD DEVIATION	RADIOLOGICAL UNITS FOR ACCEPTANCE CRITERIA ALL VALUES	REPORT NUMBER
08 -02	BUILDING 8A, FIRST FLOOR	76	-0.260	7.740	0.150	1.660	1000.0 DPM/100 cm^2	035
08 -03	BUILDING 8A, FIRST FLOOR	63	-0.270	2.380	-0.200	0.330	1000.0 DPM/100 cm^2	035
08 -04	BUILDING 8A, FIRST FLOOR	61	-0.260	7.510	-0.010	1.380	1000.0 DPM/100 cm^2	035
08 -05	BUILDING 8A, FIRST FLOOR	73	-2.490	7.740	0.720	2.700	1000.0 DPM/100 cm^2	035
08 -06	BUILDING 8A, FIRST FLOOR, SPECIAL GRIDS	83	0.000	3.000	0.330	0.780	1000.0 DPM/100 cm^2	035
09 -01	BUILDING 9, PIT	60	-1.070	8.110	0.770	3.120	1000.0 DPM/100 cm^2	016
09 -01	BUILDING 9, PIT	54	-0.260	15.280	0.170	2.340	1000.0 DPM/100 cm^2	016
10 -01	BUILDING 9, FIRST FLOOR, EXT. STORAGE	30	-0.260	-0.260	-0.260	0.000	1000.0 DPM/100 cm^2	020
10 -02	BUILDING 9, FIRST FLOOR	68	-0.150	8.050	0.330	1.910	1000.0 DPM/100 cm^2	020
10 -03	BUILDING 9, FIRST FLOOR	62	-0.150	8.050	0.900	2.740	1000.0 DPM/100 cm^2	020
10 -04	BUILDING 9, FIRST FLOOR	79	-0.260	8.050	0.000	1.270	1000.0 DPM/100 cm^2	020
10 -05	BUILDING 9, FIRST FLOOR	61	-0.260	7.740	0.050	1.400	1000.0 DPM/100 cm^2	020
10 -06	BUILDING 9, FIRST FLOOR	60	-0.260	7.810	0.320	1.950	1000.0 DPM/100 cm^2	020
10 -08	BUILDING 9, FIRST FLOOR	66	-0.260	-0.150	-0.200	0.060	1000.0 DPM/100 cm^2	020
10 -09	BUILDING 9, FIRST FLOOR	69	-0.260	7.510	0.100	1.430	1000.0 DPM/100 cm^2	020
10 -10	BUILDING 9, FIRST FLOOR	61	-0.260	8.050	0.360	2.010	1000.0 DPM/100 cm^2	020
10 -11	BUILDING 9, FIRST FLOOR	62	-0.150	8.050	0.030	1.080	1000.0 DPM/100 cm^2	020
10 -12	BUILDING 9, FIRST FLOOR	64	-0.260	8.050	0.170	1.690	1000.0 DPM/100 cm^2	020
10 -14-1	BUILDING 9 PIPE CHASES - GROUP 1	251	-2.550	18.050	0.760	3.040	1000.0 DPM/100 cm^2	010
10 -14-2	BUILDING 9 PIPE CHASES - GROUP 2	177	-0.800	66.600	0.800	6.100	1000.0 DPM/100 cm^2	010
10 -14-3	BUILDING 9 PIPE CHASES - GROUP 3	92	-0.150	10.880	0.280	1.410	1000.0 DPM/100 cm^2	010
10 -14-4	BUILDING 9 PIPE CHASES - ASSOCIATED PITS	22	-0.310	-0.030	-0.180	0.140	1000.0 DPM/100 cm^2	010
11 -01	HYDROGEN FACILITY	94	-2.640	7.740	-0.090	1.200	1000.0 DPM/100 cm^2	033
14 -01	BUILDING 4, BASEMENT	29	-0.150	8.050	0.140	1.490	1000.0 DPM/100 cm^2	015
14 -02	BUILDING 4, BASEMENT	31	-0.150	8.050	0.120	1.450	1000.0 DPM/100 cm^2	015
15 -01	BUILDING 4, THIRD FLOOR	30	-0.260	-0.260	-0.260	0.000	1000.0 DPM/100 cm^2	029
16 -01	BUILDING 12, FIRST FLOOR	30	-0.260	7.510	0.250	1.940	1000.0 DPM/100 cm^2	027
27 -01	MONITORED DRAIN LINE PIT BEHIND BLDG. 5	20	-0.460	2.600	-0.150	0.920	1000.0 DPM/100 cm^2	008
28A-01	BUILDING 4, FIRST FLOOR	48	-0.260	7.510	-0.100	1.110	1000.0 DPM/100 cm^2	025
28A-02	BUILDING 4, SECOND FLOOR	32	-0.260	7.740	0.320	1.970	1000.0 DPM/100 cm^2	025
28B-01	BUILDING 5, FOURTH FLOOR	30	-0.260	7.740	0.260	1.970	1000.0 DPM/100 cm^2	030

TABLE 19

SUMMARY OF SURVEY RESULTS FOR BUILDINGS AND BUILDING ROOFS

LOCATION CODE	LOCATION DESCRIPTION	NUMBER OF SURVEY POINTS	MINIMUM VALUE	MAXIMUM VALUE	AVERAGE VALUE	STANDARD DEVIATION	RADIOLOGICAL UNITS FOR ACCEPTANCE CRITERIA	ALL VALUES	REPORT NUMBER
28C-01	BUILDING 5A	30	-0.260	7.740	0.000	1.440	1000.0 DPM/100 cm^2		026
28D-01	BUILDING 7, SECOND FLOOR	30	-0.150	8.050	0.120	1.470	1000.0 DPM/100 cm^2		013
28E-01	BUILDING 8	52	-0.150	7.810	0.000	1.090	1000.0 DPM/100 cm^2		011
28F-01	BUILDING 8A, SECOND FLOOR	36	-0.260	-0.260	-0.260	0.000	1000.0 DPM/100 cm^2		032
28G-01	BUILDING 9, SECOND FLOOR	35	-0.260	5.020	-0.110	0.870	1000.0 DPM/100 cm^2		022
28H-01	BUILDING 10, FIRST FLOOR	35	-0.260	7.510	0.030	1.350	1000.0 DPM/100 cm^2		021
28H-02	BUILDING 10, SECOND FLOOR	32	-0.260	-0.260	-0.260	0.000	1000.0 DPM/100 cm^2		021
28I-01	BUILDING 11, FIRST FLOOR	36	-0.260	7.740	-0.040	1.320	1000.0 DPM/100 cm^2		018
28I-02	BUILDING 11, SECOND FLOOR	36	-0.260	7.510	-0.050	1.280	1000.0 DPM/100 cm^2		018
28J-01	FIREHALL	30	-0.260	-0.260	-0.260	0.000	1000.0 DPM/100 cm^2		031
28K-01	INCINERATOR BUILDING	18	-0.310	2.750	-0.140	0.700	1000.0 DPM/100 cm^2		005
28K-02	INCINERATOR BLDG. - INSIDE INCINERATOR	12	-0.310	2.750	-0.050	0.850	1000.0 DPM/100 cm^2		005
28K-03	INCINERATOR BUILDING - INSIDE CHIMNEY	8	-0.150	2.560	0.190	0.890	1000.0 DPM/100 cm^2		005
28L-01	BUILDING 12, SECOND FLOOR	30	-0.260	7.510	-0.010	1.390	1000.0 DPM/100 cm^2		028
29 -01	ROOF SURFACE FOR BLDG 5	51	-0.310	6.790	0.050	1.490	1000.0 DPM/100 cm^2		038
29 -02	ROOF SURFACE FOR BLDGS 6,7&8	31	-0.310	6.790	1.950	2.870	1000.0 DPM/100 cm^2		038
29 -03	ROOF SURFACE FOR BLDG 8A	45	-0.310	6.790	0.000	1.440	1000.0 DPM/100 cm^2		038
29 -04	ROOF SURFACE FOR BLDG 9	34	-0.310	-0.310	-0.310	0.000	1000.0 DPM/100 cm^2		038
29 -05	ROOF SURFACE FOR HYDROGEN FACILITY	30	-0.310	6.790	0.310	1.800	1000.0 DPM/100 cm^2		038
29 -06	ROOF SURFACE FOR BLDGS 4,10,11,&FIREHALL	37	-0.310	6.790	0.450	2.190	1000.0 DPM/100 cm^2		038
29 -07	ROOF VENTS FOR BLDG 5	49	-0.310	6.580	-0.170	0.970	1000.0 DPM/100 cm^2		038
29 -08	ROOF VENTS FOR BLDGS 6,7,&8A	39	-0.310	2.030	-0.250	0.370	1000.0 DPM/100 cm^2		038
29 -09	ROOF VENTS FOR BLDGS 9 & HYDROGEN FAC.	49	-0.310	6.710	-0.170	0.990	1000.0 DPM/100 cm^2		038
29 -10	ROOF VENTS FOR BLDGS 4,8,10,11& FIREHALL	36	-0.310	-0.310	-0.310	0.000	1000.0 DPM/100 cm^2		038
** Subtotal **		4880							
** SURVEY TYPE = REMOVABLE BETA SMEAR SURVEY AT SURVEY POINT									
01 -01	BUILDING 5, FIRST FLOOR	74	-2.490	9.660	0.380	4.010	1000.0 DPM/100 cm^2		034
01 -03	BUILDING 5, FIRST FLOOR	69	-2.820	9.660	-0.070	4.010	1000.0 DPM/100 cm^2		034
01 -04	BUILDING 5, FIRST FLOOR	71	-2.490	9.660	0.040	3.630	1000.0 DPM/100 cm^2		034

TABLE 19
SUMMARY OF SURVEY RESULTS FOR BUILDINGS AND BUILDING ROOFS

LOCATION CODE	LOCATION DESCRIPTION	NUMBER OF SURVEY POINTS	MINIMUM VALUE	MAXIMUM VALUE	AVERAGE VALUE	STANDARD DEVIATION	RADIOLOGICAL UNITS FOR ACCEPTANCE CRITERIA	ALL VALUES	REPORT NUMBER
01 -06	BUILDING 5, FIRST FLOOR	35	-2.490	9.660	-0.090	3.850	1000.0 DPM/100 cm^2		034
01 -07	BUILDING 5, FIRST FLOOR	30	-2.820	15.490	1.640	5.210	1000.0 DPM/100 cm^2		034
01 -08	BUILDING 5, FIRST FLOOR	65	-2.820	9.390	0.530	4.390	1000.0 DPM/100 cm^2		034
01 -09	BUILDING 5, FIRST FLOOR	63	-2.490	9.660	0.740	3.670	1000.0 DPM/100 cm^2		034
01 -10	BUILDING 5, FIRST FLOOR	37	-2.820	15.490	0.800	5.390	1000.0 DPM/100 cm^2		034
01 -14	BUILDING 5, UPPER SURFACES, UNITS 6 & 10	60	-2.490	9.660	0.510	3.380	1000.0 DPM/100 cm^2		034
02 -01	BUILDING 5, SECOND FLOOR	62	-2.490	9.310	-0.080	3.480	1000.0 DPM/100 cm^2		023
02 -02	BUILDING 5, SECOND FLOOR	64	-2.490	9.660	0.070	3.710	1000.0 DPM/100 cm^2		023
02 -03	BUILDING 5, SECOND FLOOR	30	-2.490	9.660	1.290	4.220	1000.0 DPM/100 cm^2		023
02 -04	BUILDING 5, SECOND FLOOR	61	-2.490	9.660	-0.130	3.810	1000.0 DPM/100 cm^2		023
03 -01	BUILDING 5, THIRD FLOOR	64	-2.490	9.660	0.540	4.250	1000.0 DPM/100 cm^2		024
01 -13	BUILDING 5, FIRST FLOOR	31	-2.490	9.660	1.170	4.730	1000.0 DPM/100 cm^2		034
04 -01	BUILDING 6, FIRST FLOOR	71	-2.490	9.660	0.320	4.040	1000.0 DPM/100 cm^2		017
04 -02	BUILDING 6, FIRST FLOOR	64	-2.490	9.660	-0.460	3.450	1000.0 DPM/100 cm^2		017
04 -03	BUILDING 6, FIRST FLOOR	63	-2.490	9.660	-0.370	3.600	1000.0 DPM/100 cm^2		017
04 -04	BUILDING 6, FIRST FLOOR	67	-2.490	9.660	0.640	4.190	1000.0 DPM/100 cm^2		017
04 -05	BUILDING 6, FIRST FLOOR	91	-2.490	11.550	0.950	4.490	1000.0 DPM/100 cm^2		017
04 -06	BUILDING 6, VENTILATION SYSTEMS	9	-2.490	9.310	0.150	4.060	1000.0 DPM/100 cm^2		017
05 -01	BUILDING 6, SECOND FLOOR	74	-2.820	9.390	0.060	4.140	1000.0 DPM/100 cm^2		019
05 -02	BUILDING 6, SECOND FLOOR	60	-2.490	9.660	-0.180	3.270	1000.0 DPM/100 cm^2		019
06 -01	BUILDING 6A	86	-2.820	15.490	0.250	4.410	1000.0 DPM/100 cm^2		014
06 -02	BUILDING 6A	72	-2.820	15.490	0.370	4.840	1000.0 DPM/100 cm^2		014
06 -03	BUILDING 6A	60	-2.820	9.390	0.030	3.930	1000.0 DPM/100 cm^2		014
07 -01	BUILDING 7, FIRST FLOOR	70	-2.820	9.390	-0.340	3.970	1000.0 DPM/100 cm^2		012
07 -02	BUILDING 7, FIRST FLOOR	60	-2.820	9.390	-1.120	3.120	1000.0 DPM/100 cm^2		012
07 -03	BUILDING 7, FIRST FLOOR	70	-2.820	9.390	-0.130	3.770	1000.0 DPM/100 cm^2		012
07 -04	BUILDING 7, FIRST FLOOR	60	-2.820	9.390	-0.200	3.890	1000.0 DPM/100 cm^2		012
07 -05	BUILDING 7, FIRST FLOOR	61	-2.820	9.390	0.360	4.210	1000.0 DPM/100 cm^2		012
07 -06	BUILDING 7, FIRST FLOOR	67	-2.820	9.390	-0.750	3.220	1000.0 DPM/100 cm^2		012
08 -01	BUILDING 8A, FIRST FLOOR	99	-2.490	9.660	0.220	3.970	1000.0 DPM/100 cm^2		035
08 -02	BUILDING 8A, FIRST FLOOR	76	-2.490	9.660	-0.480	3.350	1000.0 DPM/100 cm^2		035

TABLE 19
SUMMARY OF SURVEY RESULTS FOR BUILDINGS AND BUILDING ROOFS

LOCATION CODE	LOCATION DESCRIPTION	NUMBER OF SURVEY POINTS	MINIMUM VALUE	MAXIMUM VALUE	AVERAGE VALUE	STANDARD DEVIATION	RADIOLOGICAL UNITS FOR ACCEPTANCE CRITERIA	REPORT NUMBER
08 -03	BUILDING 8A, FIRST FLOOR	63	-2.820	9.660	0.980	4.240	ALL VALUES 1000.0 DPM/100 cm^2	035
08 -04	BUILDING 8A, FIRST FLOOR	61	-2.490	9.660	0.550	3.690	1000.0 DPM/100 cm^2	035
08 -05	BUILDING 8A, FIRST FLOOR	73	-2.490	9.660	-0.590	3.290	1000.0 DPM/100 cm^2	035
08 -06	BUILDING 8A, FIRST FLOOR, SPECIAL GRIDS	83	-15.000	59.000	5.280	8.270	1000.0 DPM/100 cm^2	035
09 -01	BUILDING 9, PIT	60	-83.080	91.220	12.780	44.330	1000.0 DPM/100 cm^2	016
09 -01	BUILDING 9, PIT	54	-2.490	9.660	-0.160	3.530	1000.0 DPM/100 cm^2	016
10 -01	BUILDING 9, FIRST FLOOR, EXT. STORAGE	30	-2.490	9.660	0.110	4.010	1000.0 DPM/100 cm^2	020
10 -02	BUILDING 9, FIRST FLOOR	68	-2.820	9.390	0.290	4.080	1000.0 DPM/100 cm^2	020
10 -03	BUILDING 9, FIRST FLOOR	62	-2.820	14.950	-0.190	4.130	1000.0 DPM/100 cm^2	020
10 -04	BUILDING 9, FIRST FLOOR	79	-2.820	9.390	-0.030	3.580	1000.0 DPM/100 cm^2	020
10 -05	BUILDING 9, FIRST FLOOR	61	-2.820	9.660	-0.680	3.260	1000.0 DPM/100 cm^2	020
10 -06	BUILDING 9, FIRST FLOOR	60	-2.820	9.660	1.440	4.110	1000.0 DPM/100 cm^2	020
10 -08	BUILDING 9, FIRST FLOOR	66	-2.820	9.660	-0.090	3.960	1000.0 DPM/100 cm^2	020
10 -09	BUILDING 9, FIRST FLOOR	69	-2.820	9.390	-0.010	3.380	1000.0 DPM/100 cm^2	020
10 -10	BUILDING 9, FIRST FLOOR	61	-2.820	9.660	0.110	3.700	1000.0 DPM/100 cm^2	020
10 -11	BUILDING 9, FIRST FLOOR	62	-2.820	9.390	0.670	4.380	1000.0 DPM/100 cm^2	020
10 -12	BUILDING 9, FIRST FLOOR	64	-2.820	15.490	1.010	4.440	1000.0 DPM/100 cm^2	020
10 -14-1	BUILDING 9 PIPE CHASES - GROUP 1	251	-78.090	138.280	14.590	32.030	1000.0 DPM/100 cm^2	010
10 -14-2	BUILDING 9 PIPE CHASES - GROUP 2	177	-68.560	164.810	22.020	42.220	1000.0 DPM/100 cm^2	010
10 -14-3	BUILDING 9 PIPE CHASES - GROUP 3	92	-2.810	88.440	23.360	26.340	1000.0 DPM/100 cm^2	010
10 -14-4	BUILDING 9 PIPE CHASES - ASSOCIATED PITS	22	-35.760	62.880	3.660	24.680	1000.0 DPM/100 cm^2	010
11 -01	HYDROGEN FACILITY	94	-2.640	9.660	0.340	3.960	1000.0 DPM/100 cm^2	033
14 -01	BUILDING 4, BASEMENT	29	-2.820	9.390	-0.630	3.280	1000.0 DPM/100 cm^2	015
14 -02	BUILDING 4, BASEMENT	31	-2.820	9.390	0.860	4.230	1000.0 DPM/100 cm^2	015
15 -01	BUILDING 4, THIRD FLOOR	30	-2.490	9.660	0.520	3.740	1000.0 DPM/100 cm^2	029
16 -01	BUILDING 12, FIRST FLOOR	30	-2.490	3.590	-0.890	2.660	1000.0 DPM/100 cm^2	027
27 -01	MONITORED DRAIN LINE PIT BEHIND BLDG. 5	20	-15.690	65.650	15.690	21.300	1000.0 DPM/100 cm^2	008
28A-01	BUILDING 4, FIRST FLOOR	48	-2.490	9.660	0.130	3.660	1000.0 DPM/100 cm^2	025
28A-02	BUILDING 4, SECOND FLOOR	32	-2.490	7.540	0.270	3.200	1000.0 DPM/100 cm^2	025
28B-01	BUILDING 5, FOURTH FLOOR	30	-2.490	9.660	0.180	4.090	1000.0 DPM/100 cm^2	030
28C-01	BUILDING 5A	30	-2.490	9.660	0.180	4.090	1000.0 DPM/100 cm^2	026

TABLE 19
SUMMARY OF SURVEY RESULTS FOR BUILDINGS AND BUILDING ROOFS

LOCATION CODE	LOCATION DESCRIPTION	NUMBER OF SURVEY POINTS	MINIMUM VALUE	MAXIMUM VALUE	AVERAGE VALUE	STANDARD DEVIATION	RADIOLOGICAL UNITS FOR ACCEPTANCE ALL VALUES CRITERIA	REPORT NUMBER
28D-01	BUILDING 7, SECOND FLOOR	30	-2.820	9.030	0.170	4.000	1000.0 DPM/100 cm^2	013
28E-01	BUILDING 8	52	-2.820	11.280	-0.030	4.210	1000.0 DPM/100 cm^2	011
28F-01	BUILDING 8A, SECOND FLOOR	36	-2.490	9.660	0.850	4.110	1000.0 DPM/100 cm^2	032
28G-01	BUILDING 9, SECOND FLOOR	36	-2.490	7.540	0.110	3.140	1000.0 DPM/100 cm^2	022
28H-01	BUILDING 10, FIRST FLOOR	35	-2.490	9.660	0.070	3.850	1000.0 DPM/100 cm^2	021
28H-02	BUILDING 10, SECOND FLOOR	32	-2.490	9.660	-0.230	3.290	1000.0 DPM/100 cm^2	021
28I-01	BUILDING 11, FIRST FLOOR	36	-2.490	9.660	0.990	3.560	1000.0 DPM/100 cm^2	018
28I-02	BUILDING 11, SECOND FLOOR	36	-2.490	9.660	0.160	3.840	1000.0 DPM/100 cm^2	018
28J-01	FIREHALL	30	-2.490	9.310	1.460	4.900	1000.0 DPM/100 cm^2	031
28K-01	INCINERATOR BUILDING	18	-62.170	77.270	-11.490	40.240	1000.0 DPM/100 cm^2	005
28K-02	INCINERATOR BLDG. - INSIDE INCINERATOR	12	-108.650	100.510	-38.930	53.460	1000.0 DPM/100 cm^2	005
28K-03	INCINERATOR BUILDING - INSIDE CHIMNEY	8	-0.810	7.250	2.720	2.420	1000.0 DPM/100 cm^2	005
28L-01	BUILDING 12, SECOND FLOOR	30	-2.490	9.310	0.100	3.330	1000.0 DPM/100 cm^2	028
29 -01	ROOF SURFACE FOR BLDG 5	51	-2.780	9.540	0.750	3.930	1000.0 DPM/100 cm^2	038
29 -02	ROOF SURFACE FOR BLDGS 6,7&8	31	-2.780	23.650	7.170	7.780	1000.0 DPM/100 cm^2	038
29 -03	ROOF SURFACE FOR BLDG 8A	45	-2.780	9.540	-0.340	3.510	1000.0 DPM/100 cm^2	038
29 -04	ROOF SURFACE FOR BLDG 9	34	-2.780	9.540	-0.290	3.640	1000.0 DPM/100 cm^2	038
29 -05	ROOF SURFACE FOR HYDROGEN FACILITY	30	-2.780	9.540	-0.010	3.720	1000.0 DPM/100 cm^2	038
29 -06	ROOF SURFACE FOR BLDGS 4,10,11,&FIREHALL	37	-2.780	9.670	0.340	4.150	1000.0 DPM/100 cm^2	038
29 -07	ROOF VENTS FOR BLDG 5	49	-2.780	9.180	-0.550	3.170	1000.0 DPM/100 cm^2	038
29 -08	ROOF VENTS FOR BLDGS 6,7,&8A	39	-2.780	5.350	0.030	3.220	1000.0 DPM/100 cm^2	038
29 -09	ROOF VENTS FOR BLDGS 9 & HYDROGEN FAC.	49	-2.780	9.540	-0.800	3.330	1000.0 DPM/100 cm^2	038
29 -10	ROOF VENTS FOR BLDGS 4,8,10,11& FIREHALL	36	-2.780	9.540	0.430	3.650	1000.0 DPM/100 cm^2	038
** Subtotal **		4880						
** SURVEY TYPE = MAXIMUM - ALPHA SCAN OF SURFACE NEAR SURVEY POINT								
09 -01	BUILDING 9, PIT	60	-33.100	425.500	32.600	60.100	15000.0 DPM/100 cm^2	016
27 -01	MONITORED DRAIN LINE PIT BEHIND BLDG. 5	20	-43.540	-32.470	-40.040	3.950	15000.0 DPM/100 cm^2	008
** Subtotal **		80						

TABLE 19
SUMMARY OF SURVEY RESULTS FOR BUILDINGS AND BUILDING ROOFS

LOCATION CODE	LOCATION DESCRIPTION	NUMBER OF SURVEY POINTS	MINIMUM VALUE	MAXIMUM VALUE	AVERAGE VALUE	STANDARD DEVIATION	RADIOLOGICAL ACCEPTANCE CRITERIA	UNITS FOR ALL VALUES	REPORT NUMBER
** SURVEY TYPE = AVERAGE - ALPHA SCAN OF SURFACE NEAR SURVEY POINT									
09 -01	BUILDING 9, PIT	60	-39.500	266.200	5.000	44.000	5000.0	DPM/100 cm^2	016
27 -01	MONITORED DRAIN LINE PIT BEHIND BLDG. 5	20	-43.540	-39.850	-42.070	1.810	5000.0	DPM/100 cm^2	008
** Subtotal **		80							
*** Total ***		35170							

TABLE 20
COMPARISON OF AVERAGE RESULTS WITH MDA VALUES

LOCATION CODE	LOCATION DESCRIPTION	NUMBER OF SURVEY POINTS	AVERAGE VALUE	MINIMUM VALUE FOR MDA	MAXIMUM VALUE FOR MDA	RATIO OF AVERAGE TO LOW MDA VALUE	RATIO OF AVERAGE TO HIGH MDA VALUE	UNITS FOR ALL VALUES	REPORT NUMBER
** SURVEY TYPE = GAMMA DOSERATE AT 1 METER FROM SURFACE									
01 -01	BUILDING 5, FIRST FLOOR	41	10.900	14.750	14.750	0.739	0.739	MicroR/hour	034
01 -03	BUILDING 5, FIRST FLOOR	38	10.870	14.750	14.750	0.737	0.737	MicroR/hour	034
01 -04	BUILDING 5, FIRST FLOOR	23	12.870	14.750	14.750	0.873	0.873	MicroR/hour	034
01 -06	BUILDING 5, FIRST FLOOR	35	11.540	14.750	14.750	0.782	0.782	MicroR/hour	034
01 -07	BUILDING 5, FIRST FLOOR	30	15.000	14.750	14.750	1.017	1.017	MicroR/hour	034
01 -08	BUILDING 5, FIRST FLOOR	30	12.770	14.750	14.750	0.866	0.866	MicroR/hour	034
01 -09	BUILDING 5, FIRST FLOOR	33	9.090	14.750	14.750	0.616	0.616	MicroR/hour	034
01 -10	BUILDING 5, FIRST FLOOR	37	12.950	14.750	14.750	0.878	0.878	MicroR/hour	034
01 -13	BUILDING 5, FIRST FLOOR	27	10.410	14.750	14.750	0.706	0.706	MicroR/hour	034
02 -01	BUILDING 5, SECOND FLOOR	20	10.050	14.750	14.750	0.681	0.681	MicroR/hour	023
02 -02	BUILDING 5, SECOND FLOOR	34	11.000	14.750	14.750	0.746	0.746	MicroR/hour	023
02 -03	BUILDING 5, SECOND FLOOR	13	10.770	14.750	14.750	0.730	0.730	MicroR/hour	023
02 -04	BUILDING 5, SECOND FLOOR	30	13.500	14.750	14.750	0.915	0.915	MicroR/hour	023
03 -01	BUILDING 5, THIRD FLOOR	34	12.350	14.750	14.750	0.837	0.837	MicroR/hour	024
04 -01	BUILDING 6, FIRST FLOOR	20	8.450	14.750	14.750	0.573	0.573	MicroR/hour	017
04 -02	BUILDING 6, FIRST FLOOR	30	8.030	14.750	14.750	0.544	0.544	MicroR/hour	017
04 -03	BUILDING 6, FIRST FLOOR	28	11.390	14.750	14.750	0.772	0.772	MicroR/hour	017
04 -04	BUILDING 6, FIRST FLOOR	22	12.770	14.750	14.750	0.866	0.866	MicroR/hour	017
04 -05	BUILDING 6, FIRST FLOOR	23	10.220	14.750	14.750	0.693	0.693	MicroR/hour	017
05 -01	BUILDING 6, SECOND FLOOR	26	12.650	14.750	14.750	0.858	0.858	MicroR/hour	019
05 -02	BUILDING 6, SECOND FLOOR	10	7.700	14.750	14.750	0.522	0.522	MicroR/hour	019
06 -01	BUILDING 6A	39	9.130	14.750	14.750	0.619	0.619	MicroR/hour	014
06 -02	BUILDING 6A	28	7.730	14.750	14.750	0.524	0.524	MicroR/hour	014
06 -03	BUILDING 6A	22	8.640	14.750	14.750	0.586	0.586	MicroR/hour	014
07 -01	BUILDING 7, FIRST FLOOR	22	10.410	14.750	14.750	0.706	0.706	MicroR/hour	012
07 -02	BUILDING 7, FIRST FLOOR	30	10.000	14.750	14.750	0.678	0.678	MicroR/hour	012
07 -03	BUILDING 7, FIRST FLOOR	30	9.700	14.750	14.750	0.658	0.658	MicroR/hour	012
07 -04	BUILDING 7, FIRST FLOOR	24	10.210	14.750	14.750	0.692	0.692	MicroR/hour	012
07 -05	BUILDING 7, FIRST FLOOR	29	9.240	14.750	14.750	0.626	0.626	MicroR/hour	012
07 -06	BUILDING 7, FIRST FLOOR	6	13.830	14.750	14.750	0.938	0.938	MicroR/hour	012

TABLE 20
COMPARISON OF AVERAGE RESULTS WITH MDA VALUES

LOCATION CODE	LOCATION DESCRIPTION	NUMBER OF SURVEY POINTS	AVERAGE VALUE	MINIMUM VALUE FOR MDA	MAXIMUM VALUE FOR MDA	RATIO OF AVERAGE TO LOW MDA VALUE	RATIO OF AVERAGE TO HIGH MDA VALUE	UNITS FOR ALL VALUES	REPORT NUMBER
08 -01	BUILDING 8A, FIRST FLOOR	43	9.880	14.750	14.750	0.670	0.670	MicroR/hour	035
08 -02	BUILDING 8A, FIRST FLOOR	25	9.520	14.750	14.750	0.645	0.645	MicroR/hour	035
08 -03	BUILDING 8A, FIRST FLOOR	28	12.960	14.750	14.750	0.879	0.879	MicroR/hour	035
08 -04	BUILDING 8A, FIRST FLOOR	19	9.110	14.750	14.750	0.618	0.618	MicroR/hour	035
08 -05	BUILDING 8A, FIRST FLOOR	40	10.850	14.750	14.750	0.736	0.736	MicroR/hour	035
08 -06	BUILDING 8A, FIRST FLOOR, SPECIAL GRIDS	83	13.640	14.750	14.750	0.925	0.925	MicroR/hour	035
09 -01	BUILDING 9, PIT	60	7.650	14.750	14.750	0.519	0.519	MicroR/hour	016
10 -01	BUILDING 9, FIRST FLOOR, EXT. STORAGE	14	11.860	14.750	14.750	0.804	0.804	MicroR/hour	020
10 -02	BUILDING 9, FIRST FLOOR	17	10.590	14.750	14.750	0.718	0.718	MicroR/hour	020
10 -03	BUILDING 9, FIRST FLOOR	22	12.860	14.750	14.750	0.872	0.872	MicroR/hour	020
10 -04	BUILDING 9, FIRST FLOOR	29	10.450	14.750	14.750	0.708	0.708	MicroR/hour	020
10 -05	BUILDING 9, FIRST FLOOR	18	10.330	14.750	14.750	0.700	0.700	MicroR/hour	020
10 -06	BUILDING 9, FIRST FLOOR	26	10.310	14.750	14.750	0.699	0.699	MicroR/hour	020
10 -08	BUILDING 9, FIRST FLOOR	14	9.500	14.750	14.750	0.644	0.644	MicroR/hour	020
10 -09	BUILDING 9, FIRST FLOOR	20	10.450	14.750	14.750	0.708	0.708	MicroR/hour	020
10 -10	BUILDING 9, FIRST FLOOR	18	11.110	14.750	14.750	0.753	0.753	MicroR/hour	020
10 -11	BUILDING 9, FIRST FLOOR	21	11.050	14.750	14.750	0.749	0.749	MicroR/hour	020
10 -12	BUILDING 9, FIRST FLOOR	21	7.710	14.750	14.750	0.523	0.523	MicroR/hour	020
10 -14-1	BUILDING 9 PIPE CHASES - GROUP 1	248	10.620	14.750	14.750	0.720	0.720	MicroR/hour	010
10 -14-2	BUILDING 9 PIPE CHASES - GROUP 2	177	10.380	14.750	14.750	0.704	0.704	MicroR/hour	010
10 -14-3	BUILDING 9 PIPE CHASES - GROUP 3	92	10.400	14.750	14.750	0.705	0.705	MicroR/hour	010
10 -14-4	BUILDING 9 PIPE CHASES - ASSOCIATED PITS	22	10.910	14.750	14.750	0.740	0.740	MicroR/hour	010
11 -01	HYDROGEN FACILITY	41	9.440	14.750	14.750	0.640	0.640	MicroR/hour	033
14 -01	BUILDING 4, BASEMENT	29	11.170	14.750	14.750	0.757	0.757	MicroR/hour	015
14 -02	BUILDING 4, BASEMENT	8	12.130	14.750	14.750	0.822	0.822	MicroR/hour	015
15 -01	BUILDING 4, THIRD FLOOR	16	13.130	14.750	14.750	0.890	0.890	MicroR/hour	029
16 -01	BUILDING 12, FIRST FLOOR	30	9.670	14.750	14.750	0.656	0.656	MicroR/hour	027
27 -01	MONITORED DRAIN LINE PIT BEHIND BLDG. 5	4	8.530	14.750	14.750	0.578	0.578	MicroR/hour	008
28A-01	BUILDING 4, FIRST FLOOR	19	13.370	14.750	14.750	0.906	0.906	MicroR/hour	025
28A-02	BUILDING 4, SECOND FLOOR	32	10.940	14.750	14.750	0.742	0.742	MicroR/hour	025
28B-01	BUILDING 5, FOURTH FLOOR	30	11.230	14.750	14.750	0.761	0.761	MicroR/hour	030

TABLE 20
COMPARISON OF AVERAGE RESULTS WITH MDA VALUES

LOCATION CODE	LOCATION DESCRIPTION	NUMBER OF SURVEY POINTS	AVERAGE VALUE	MINIMUM VALUE FOR MDA	MAXIMUM VALUE FOR MDA	RATIO OF AVERAGE TO LOW MDA VALUE	RATIO OF AVERAGE TO HIGH MDA VALUE	UNITS FOR ALL VALUES	REPORT NUMBER
28C-01	BUILDING 5A	30	8.170	14.750	14.750	0.554	0.554	MicroR/hour	026
28D-01	BUILDING 7, SECOND FLOOR	27	9.110	14.750	14.750	0.618	0.618	MicroR/hour	013
28E-01	BUILDING 8	30	10.830	14.750	14.750	0.734	0.734	MicroR/hour	011
28F-01	BUILDING 8A, SECOND FLOOR	7	15.570	14.750	14.750	1.056	1.056	MicroR/hour	032
28G-01	BUILDING 9, SECOND FLOOR	36	8.080	14.750	14.750	0.548	0.548	MicroR/hour	022
28H-01	BUILDING 10, FIRST FLOOR	17	13.410	14.750	14.750	0.909	0.909	MicroR/hour	021
28H-02	BUILDING 10, SECOND FLOOR	32	8.840	14.750	14.750	0.599	0.599	MicroR/hour	021
28I-01	BUILDING 11, FIRST FLOOR	36	11.220	14.750	14.750	0.761	0.761	MicroR/hour	018
28I-02	BUILDING 11, SECOND FLOOR	15	13.600	14.750	14.750	0.922	0.922	MicroR/hour	018
28J-01	FIREHALL	10	9.400	14.750	14.750	0.637	0.637	MicroR/hour	031
28K-01	INCINERATOR BUILDING	18	16.720	14.750	14.750	1.134	1.134	MicroR/hour	005
28K-02	INCINERATOR BLDG. - INSIDE INCINERATOR	11	53.550	14.750	14.750	3.631	3.631	MicroR/hour	005
28K-03	INCINERATOR BUILDING - INSIDE CHIMNEY	12	27.830	14.750	14.750	1.887	1.887	MicroR/hour	005
28L-01	BUILDING 12, SECOND FLOOR	25	8.400	14.750	14.750	0.569	0.569	MicroR/hour	028
29 -01	ROOF SURFACE FOR BLDG 5	51	12.350	14.750	14.750	0.837	0.837	MicroR/hour	038
29 -02	ROOF SURFACE FOR BLDGS 6,7&8	31	9.520	14.750	14.750	0.645	0.645	MicroR/hour	038
29 -03	ROOF SURFACE FOR BLDG 8A	45	9.360	14.750	14.750	0.635	0.635	MicroR/hour	038
29 -04	ROOF SURFACE FOR BLDG 9	34	9.150	14.750	14.750	0.620	0.620	MicroR/hour	038
29 -05	ROOF SURFACE FOR HYDROGEN FACILITY	30	10.530	14.750	14.750	0.714	0.714	MicroR/hour	038
29 -06	ROOF SURFACE FOR BLDGS 4,10,11,&FIREHALL	37	10.680	14.750	14.750	0.724	0.724	MicroR/hour	038
29 -09	ROOF VENTS FOR BLDGS 9 & HYDROGEN FAC.	4	7.250	14.750	14.750	0.492	0.492	MicroR/hour	038
** Subtotal **		2618							

TABLE 20
COMPARISON OF AVERAGE RESULTS WITH MDA VALUES

LOCATION CODE	LOCATION DESCRIPTION	NUMBER OF SURVEY POINTS	AVERAGE VALUE	MINIMUM VALUE FOR MDA	MAXIMUM VALUE FOR MDA	RATIO OF AVERAGE TO LOW MDA VALUE	RATIO OF AVERAGE TO HIGH MDA VALUE	UNITS FOR ALL VALUES	REPORT NUMBER
** SURVEY TYPE = BETA/GAMMA DOSERATE ON CONTACT WITH SURFACE									
01 -01	BUILDING 5, FIRST FLOOR	41	0.012	0.022	0.073	0.545	0.164	MilliRem/hour	034
01 -03	BUILDING 5, FIRST FLOOR	38	0.011	0.022	0.073	0.500	0.151	MilliRem/hour	034
01 -04	BUILDING 5, FIRST FLOOR	23	0.015	0.022	0.073	0.682	0.205	MilliRem/hour	034
01 -06	BUILDING 5, FIRST FLOOR	35	0.013	0.022	0.073	0.591	0.178	MilliRem/hour	034
01 -07	BUILDING 5, FIRST FLOOR	30	0.016	0.022	0.073	0.727	0.219	MilliRem/hour	034
01 -08	BUILDING 5, FIRST FLOOR	30	0.012	0.022	0.073	0.545	0.164	MilliRem/hour	034
01 -09	BUILDING 5, FIRST FLOOR	33	0.010	0.022	0.073	0.455	0.137	MilliRem/hour	034
01 -10	BUILDING 5, FIRST FLOOR	37	0.010	0.022	0.073	0.455	0.137	MilliRem/hour	034
01 -13	BUILDING 5, FIRST FLOOR	27	0.012	0.022	0.073	0.545	0.164	MilliRem/hour	034
02 -01	BUILDING 5, SECOND FLOOR	20	0.011	0.022	0.073	0.500	0.151	MilliRem/hour	023
02 -02	BUILDING 5, SECOND FLOOR	34	0.014	0.022	0.073	0.636	0.192	MilliRem/hour	023
02 -03	BUILDING 5, SECOND FLOOR	13	0.015	0.022	0.073	0.682	0.205	MilliRem/hour	023
02 -04	BUILDING 5, SECOND FLOOR	30	0.013	0.022	0.073	0.591	0.178	MilliRem/hour	023
03 -01	BUILDING 5, THIRD FLOOR	34	0.012	0.022	0.073	0.545	0.164	MilliRem/hour	024
04 -01	BUILDING 6, FIRST FLOOR	20	0.011	0.022	0.073	0.500	0.151	MilliRem/hour	017
04 -02	BUILDING 6, FIRST FLOOR	30	0.010	0.022	0.073	0.455	0.137	MilliRem/hour	017
04 -03	BUILDING 6, FIRST FLOOR	28	0.013	0.022	0.073	0.591	0.178	MilliRem/hour	017
04 -04	BUILDING 6, FIRST FLOOR	22	0.013	0.022	0.073	0.591	0.178	MilliRem/hour	017
04 -05	BUILDING 6, FIRST FLOOR	23	0.013	0.022	0.073	0.591	0.178	MilliRem/hour	017
05 -01	BUILDING 6, SECOND FLOOR	26	0.013	0.022	0.073	0.591	0.178	MilliRem/hour	019
05 -02	BUILDING 6, SECOND FLOOR	10	0.012	0.022	0.073	0.545	0.164	MilliRem/hour	019
06 -01	BUILDING 6A	39	0.011	0.022	0.073	0.500	0.151	MilliRem/hour	014
06 -02	BUILDING 6A	35	0.013	0.022	0.073	0.591	0.178	MilliRem/hour	014
06 -03	BUILDING 6A	22	0.010	0.022	0.073	0.455	0.137	MilliRem/hour	014
07 -01	BUILDING 7, FIRST FLOOR	22	0.013	0.022	0.073	0.591	0.178	MilliRem/hour	012
07 -02	BUILDING 7, FIRST FLOOR	30	0.015	0.022	0.073	0.682	0.205	MilliRem/hour	012
07 -03	BUILDING 7, FIRST FLOOR	30	0.015	0.022	0.073	0.682	0.205	MilliRem/hour	012
07 -04	BUILDING 7, FIRST FLOOR	24	0.014	0.022	0.073	0.636	0.192	MilliRem/hour	012
07 -05	BUILDING 7, FIRST FLOOR	29	0.012	0.022	0.073	0.545	0.164	MilliRem/hour	012
07 -06	BUILDING 7, FIRST FLOOR	6	0.016	0.022	0.073	0.727	0.219	MilliRem/hour	012

TABLE 20
COMPARISON OF AVERAGE RESULTS WITH MDA VALUES

LOCATION CODE	LOCATION DESCRIPTION	NUMBER OF SURVEY POINTS	AVERAGE VALUE	MINIMUM VALUE FOR MDA	MAXIMUM VALUE FOR MDA	RATIO OF AVERAGE TO LOW MDA VALUE	RATIO OF AVERAGE TO HIGH MDA VALUE	UNITS FOR ALL VALUES	REPORT NUMBER
08 -01	BUILDING 8A, FIRST FLOOR	43	0.011	0.022	0.073	0.500	0.151	MilliRem/hour	035
08 -02	BUILDING 8A, FIRST FLOOR	25	0.011	0.022	0.073	0.500	0.151	MilliRem/hour	035
08 -03	BUILDING 8A, FIRST FLOOR	33	0.012	0.022	0.073	0.545	0.164	MilliRem/hour	035
08 -04	BUILDING 8A, FIRST FLOOR	19	0.011	0.022	0.073	0.500	0.151	MilliRem/hour	035
08 -05	BUILDING 8A, FIRST FLOOR	40	0.011	0.022	0.073	0.500	0.151	MilliRem/hour	035
08 -06	BUILDING 8A, FIRST FLOOR, SPECIAL GRIDS	415	0.011	0.022	0.073	0.500	0.151	MilliRem/hour	035
09 -01	BUILDING 9, PIT	59	0.015	0.022	0.073	0.682	0.205	MilliRem/hour	016
10 -01	BUILDING 9, FIRST FLOOR, EXT. STORAGE	14	0.015	0.022	0.073	0.682	0.205	MilliRem/hour	020
10 -02	BUILDING 9, FIRST FLOOR	17	0.011	0.022	0.073	0.500	0.151	MilliRem/hour	020
10 -03	BUILDING 9, FIRST FLOOR	22	0.010	0.022	0.073	0.455	0.137	MilliRem/hour	020
10 -04	BUILDING 9, FIRST FLOOR	41	0.012	0.022	0.073	0.545	0.164	MilliRem/hour	020
10 -05	BUILDING 9, FIRST FLOOR	18	0.010	0.022	0.073	0.455	0.137	MilliRem/hour	020
10 -06	BUILDING 9, FIRST FLOOR	26	0.012	0.022	0.073	0.545	0.164	MilliRem/hour	020
10 -08	BUILDING 9, FIRST FLOOR	14	0.016	0.022	0.073	0.727	0.219	MilliRem/hour	020
10 -09	BUILDING 9, FIRST FLOOR	20	0.013	0.022	0.073	0.591	0.178	MilliRem/hour	020
10 -10	BUILDING 9, FIRST FLOOR	18	0.014	0.022	0.073	0.636	0.192	MilliRem/hour	020
10 -11	BUILDING 9, FIRST FLOOR	21	0.011	0.022	0.073	0.500	0.151	MilliRem/hour	020
10 -12	BUILDING 9, FIRST FLOOR	21	0.012	0.022	0.073	0.545	0.164	MilliRem/hour	020
10 -14-1	BUILDING 9 PIPE CHASES - GROUP 1	248	0.019	0.022	0.073	0.864	0.260	MilliRem/hour	010
10 -14-2	BUILDING 9 PIPE CHASES - GROUP 2	177	0.020	0.022	0.073	0.909	0.274	MilliRem/hour	010
10 -14-3	BUILDING 9 PIPE CHASES - GROUP 3	92	0.017	0.022	0.073	0.773	0.233	MilliRem/hour	010
10 -14-4	BUILDING 9 PIPE CHASES - ASSOCIATED PITS	22	0.016	0.022	0.073	0.727	0.219	MilliRem/hour	010
11 -01	HYDROGEN FACILITY	41	0.010	0.022	0.073	0.455	0.137	MilliRem/hour	033
14 -01	BUILDING 4, BASEMENT	29	0.011	0.022	0.073	0.500	0.151	MilliRem/hour	015
14 -02	BUILDING 4, BASEMENT	8	0.015	0.022	0.073	0.682	0.205	MilliRem/hour	015
15 -01	BUILDING 4, THIRD FLOOR	16	0.013	0.022	0.073	0.591	0.178	MilliRem/hour	029
16 -01	BUILDING 12, FIRST FLOOR	30	0.012	0.022	0.073	0.545	0.164	MilliRem/hour	027
27 -01	MONITORED DRAIN LINE PIT BEHIND BLDG. 5	20	0.010	0.022	0.073	0.455	0.137	MilliRem/hour	008
28A-01	BUILDING 4, FIRST FLOOR	19	0.014	0.022	0.073	0.636	0.192	MilliRem/hour	025
28A-02	BUILDING 4, SECOND FLOOR	32	0.014	0.022	0.073	0.636	0.192	MilliRem/hour	025
28B-01	BUILDING 5, FOURTH FLOOR	30	0.013	0.022	0.073	0.591	0.178	MilliRem/hour	030

TABLE 20
COMPARISON OF AVERAGE RESULTS WITH MDA VALUES

LOCATION CODE	LOCATION DESCRIPTION	NUMBER OF SURVEY POINTS	AVERAGE VALUE	MINIMUM VALUE FOR MDA	MAXIMUM VALUE FOR MDA	RATIO OF AVERAGE TO LOW MDA VALUE	RATIO OF AVERAGE TO HIGH MDA VALUE	UNITS FOR ALL VALUES	REPORT NUMBER
28C-01	BUILDING 5A	30	0.011	0.022	0.073	0.500	0.151	MilliRem/hour	026
28D-01	BUILDING 7, SECOND FLOOR	27	0.014	0.022	0.073	0.636	0.192	MilliRem/hour	013
28E-01	BUILDING 8	30	0.016	0.022	0.073	0.727	0.219	MilliRem/hour	011
28F-01	BUILDING 8A, SECOND FLOOR	7	0.015	0.022	0.073	0.682	0.205	MilliRem/hour	032
28G-01	BUILDING 9, SECOND FLOOR	36	0.013	0.022	0.073	0.591	0.178	MilliRem/hour	022
28H-01	BUILDING 10, FIRST FLOOR	17	0.015	0.022	0.073	0.682	0.205	MilliRem/hour	021
28H-02	BUILDING 10, SECOND FLOOR	32	0.014	0.022	0.073	0.636	0.192	MilliRem/hour	021
28I-01	BUILDING 11, FIRST FLOOR	36	0.011	0.022	0.073	0.500	0.151	MilliRem/hour	018
28I-02	BUILDING 11, SECOND FLOOR	15	0.011	0.022	0.073	0.500	0.151	MilliRem/hour	018
28J-01	FIREHALL	10	0.013	0.022	0.073	0.591	0.178	MilliRem/hour	031
28K-01	INCINERATOR BUILDING	18	0.020	0.022	0.073	0.909	0.274	MilliRem/hour	005
28K-02	INCINERATOR BLDG. - INSIDE INCINERATOR	12	0.040	0.022	0.073	1.818	0.548	MilliRem/hour	005
28L-01	BUILDING 12, SECOND FLOOR	25	0.010	0.022	0.073	0.455	0.137	MilliRem/hour	028
29 -01	ROOF SURFACE FOR BLDG 5	51	0.013	0.022	0.073	0.591	0.178	MilliRem/hour	038
29 -02	ROOF SURFACE FOR BLDGS 6,7&8	31	0.011	0.022	0.073	0.500	0.151	MilliRem/hour	038
29 -03	ROOF SURFACE FOR BLDG 8A	45	0.011	0.022	0.073	0.500	0.151	MilliRem/hour	038
29 -04	ROOF SURFACE FOR BLDG 9	34	0.010	0.022	0.073	0.455	0.137	MilliRem/hour	038
29 -05	ROOF SURFACE FOR HYDROGEN FACILITY	30	0.013	0.022	0.073	0.591	0.178	MilliRem/hour	038
29 -06	ROOF SURFACE FOR BLDGS 4,10,11,&FIREHALL	37	0.011	0.022	0.073	0.500	0.151	MilliRem/hour	038
29 -09	ROOF VENTS FOR BLDGS 9 & HYDROGEN FAC.	4	0.010	0.022	0.073	0.455	0.137	MilliRem/hour	038
** Subtotal **		2978							

TABLE 20
COMPARISON OF AVERAGE RESULTS WITH MDA VALUES

LOCATION CODE	LOCATION DESCRIPTION	NUMBER OF SURVEY POINTS	AVERAGE VALUE	MINIMUM VALUE FOR MDA	MAXIMUM VALUE FOR MDA	RATIO OF AVERAGE TO LOW MDA VALUE	RATIO OF AVERAGE TO HIGH MDA VALUE	UNITS FOR ALL VALUES	REPORT NUMBER
** SURVEY TYPE = MAXIMUM - BETA SCAN OF SURFACE NEAR SURVEY POINT									
01 -01	BUILDING 5, FIRST FLOOR	74	138.400	800.000	1300.000	0.173	0.106	DPM/100 cm^2	034
01 -03	BUILDING 5, FIRST FLOOR	69	115.900	800.000	1300.000	0.145	0.089	DPM/100 cm^2	034
01 -04	BUILDING 5, FIRST FLOOR	72	213.600	800.000	1300.000	0.267	0.164	DPM/100 cm^2	034
01 -06	BUILDING 5, FIRST FLOOR	35	90.300	800.000	1300.000	0.113	0.069	DPM/100 cm^2	034
01 -07	BUILDING 5, FIRST FLOOR	30	593.300	800.000	1300.000	0.742	0.456	DPM/100 cm^2	034
01 -08	BUILDING 5, FIRST FLOOR	65	185.400	800.000	1300.000	0.232	0.143	DPM/100 cm^2	034
01 -09	BUILDING 5, FIRST FLOOR	63	138.400	800.000	1300.000	0.173	0.106	DPM/100 cm^2	034
01 -10	BUILDING 5, FIRST FLOOR	37	310.600	800.000	1300.000	0.388	0.239	DPM/100 cm^2	034
01 -13	BUILDING 5, FIRST FLOOR	31	106.400	800.000	1300.000	0.133	0.082	DPM/100 cm^2	034
01 -14	BUILDING 5, UPPER SURFACES, UNITS 6 & 10	60	334.000	800.000	1300.000	0.417	0.257	DPM/100 cm^2	034
02 -01	BUILDING 5, SECOND FLOOR	62	305.000	800.000	1300.000	0.381	0.235	DPM/100 cm^2	023
02 -02	BUILDING 5, SECOND FLOOR	64	137.100	800.000	1300.000	0.171	0.105	DPM/100 cm^2	023
02 -03	BUILDING 5, SECOND FLOOR	30	282.200	800.000	1300.000	0.353	0.217	DPM/100 cm^2	023
02 -04	BUILDING 5, SECOND FLOOR	61	281.400	800.000	1300.000	0.352	0.216	DPM/100 cm^2	023
03 -01	BUILDING 5, THIRD FLOOR	64	223.200	800.000	1300.000	0.279	0.172	DPM/100 cm^2	024
04 -01	BUILDING 6, FIRST FLOOR	71	281.300	800.000	1300.000	0.352	0.216	DPM/100 cm^2	017
04 -02	BUILDING 6, FIRST FLOOR	64	184.800	800.000	1300.000	0.231	0.142	DPM/100 cm^2	017
04 -03	BUILDING 6, FIRST FLOOR	63	198.800	800.000	1300.000	0.249	0.153	DPM/100 cm^2	017
04 -04	BUILDING 6, FIRST FLOOR	68	224.500	800.000	1300.000	0.281	0.173	DPM/100 cm^2	017
04 -05	BUILDING 6, FIRST FLOOR	91	232.600	800.000	1300.000	0.291	0.179	DPM/100 cm^2	017
04 -06	BUILDING 6, VENTILATION SYSTEMS	9	232.200	800.000	1300.000	0.290	0.179	DPM/100 cm^2	017
05 -01	BUILDING 6, SECOND FLOOR	74	126.900	800.000	1300.000	0.159	0.098	DPM/100 cm^2	019
05 -02	BUILDING 6, SECOND FLOOR	60	266.000	800.000	1300.000	0.333	0.205	DPM/100 cm^2	019
06 -01	BUILDING 6A	86	130.500	800.000	1300.000	0.163	0.100	DPM/100 cm^2	014
06 -02	BUILDING 6A	67	55.400	800.000	1300.000	0.069	0.043	DPM/100 cm^2	014
06 -03	BUILDING 6A	60	166.500	800.000	1300.000	0.208	0.128	DPM/100 cm^2	014
07 -01	BUILDING 7, FIRST FLOOR	70	170.200	800.000	1300.000	0.213	0.131	DPM/100 cm^2	012
07 -02	BUILDING 7, FIRST FLOOR	60	55.000	800.000	1300.000	0.069	0.042	DPM/100 cm^2	012
07 -03	BUILDING 7, FIRST FLOOR	70	-141.100	800.000	1300.000	-0.176	-0.109	DPM/100 cm^2	012
07 -04	BUILDING 7, FIRST FLOOR	60	176.900	800.000	1300.000	0.221	0.136	DPM/100 cm^2	012

TABLE 20
COMPARISON OF AVERAGE RESULTS WITH MDA VALUES

LOCATION CODE	LOCATION DESCRIPTION	NUMBER OF SURVEY POINTS	AVERAGE VALUE	MINIMUM VALUE FOR MDA	MAXIMUM VALUE FOR MDA	RATIO OF AVERAGE TO LOW MDA VALUE	RATIO OF AVERAGE TO HIGH MDA VALUE	UNITS FOR ALL VALUES	REPORT NUMBER
07 -05	BUILDING 7, FIRST FLOOR	61	13.500	800.000	1300.000	0.017	0.010	DPM/100 cm^2	012
07 -06	BUILDING 7, FIRST FLOOR	67	213.700	800.000	1300.000	0.267	0.164	DPM/100 cm^2	012
08 -01	BUILDING 8A, FIRST FLOOR	99	201.600	800.000	1300.000	0.252	0.155	DPM/100 cm^2	035
08 -02	BUILDING 8A, FIRST FLOOR	76	140.500	800.000	1300.000	0.176	0.108	DPM/100 cm^2	035
08 -03	BUILDING 8A, FIRST FLOOR	63	283.100	800.000	1300.000	0.354	0.218	DPM/100 cm^2	035
08 -04	BUILDING 8A, FIRST FLOOR	61	138.000	800.000	1300.000	0.172	0.106	DPM/100 cm^2	035
08 -05	BUILDING 8A, FIRST FLOOR	73	133.000	800.000	1300.000	0.166	0.102	DPM/100 cm^2	035
09 -01	BUILDING 9, PIT	113	135.600	800.000	1300.000	0.169	0.104	DPM/100 cm^2	016
10 -01	BUILDING 9, FIRST FLOOR, EXT. STORAGE	30	241.000	800.000	1300.000	0.301	0.185	DPM/100 cm^2	020
10 -02	BUILDING 9, FIRST FLOOR	68	18.700	800.000	1300.000	0.023	0.014	DPM/100 cm^2	020
10 -03	BUILDING 9, FIRST FLOOR	62	94.400	800.000	1300.000	0.118	0.073	DPM/100 cm^2	020
10 -04	BUILDING 9, FIRST FLOOR	79	272.800	800.000	1300.000	0.341	0.210	DPM/100 cm^2	020
10 -05	BUILDING 9, FIRST FLOOR	61	231.700	800.000	1300.000	0.290	0.178	DPM/100 cm^2	020
10 -06	BUILDING 9, FIRST FLOOR	60	125.000	800.000	1300.000	0.156	0.096	DPM/100 cm^2	020
10 -08	BUILDING 9, FIRST FLOOR	66	162.700	800.000	1300.000	0.203	0.125	DPM/100 cm^2	020
10 -09	BUILDING 9, FIRST FLOOR	69	124.600	800.000	1300.000	0.156	0.096	DPM/100 cm^2	020
10 -10	BUILDING 9, FIRST FLOOR	61	177.200	800.000	1300.000	0.221	0.136	DPM/100 cm^2	020
10 -11	BUILDING 9, FIRST FLOOR	62	223.200	800.000	1300.000	0.279	0.172	DPM/100 cm^2	020
10 -12	BUILDING 9, FIRST FLOOR	64	130.000	800.000	1300.000	0.163	0.100	DPM/100 cm^2	020
10 -14-1	BUILDING 9 PIPE CHASES - GROUP 1	251	510.600	800.000	1300.000	0.638	0.393	DPM/100 cm^2	010
10 -14-2	BUILDING 9 PIPE CHASES - GROUP 2	177	384.800	800.000	1300.000	0.481	0.296	DPM/100 cm^2	010
10 -14-3	BUILDING 9 PIPE CHASES - GROUP 3	92	330.200	800.000	1300.000	0.413	0.254	DPM/100 cm^2	010
10 -14-4	BUILDING 9 PIPE CHASES - ASSOCIATED PITS	22	318.310	800.000	1300.000	0.398	0.245	DPM/100 cm^2	010
11 -01	HYDROGEN FACILITY	94	100.700	800.000	1300.000	0.126	0.077	DPM/100 cm^2	033
14 -01	BUILDING 4, BASEMENT	29	100.800	800.000	1300.000	0.126	0.078	DPM/100 cm^2	015
14 -02	BUILDING 4, BASEMENT	31	132.800	800.000	1300.000	0.166	0.102	DPM/100 cm^2	015
15 -01	BUILDING 4, THIRD FLOOR	30	191.200	800.000	1300.000	0.239	0.147	DPM/100 cm^2	029
16 -01	BUILDING 12, FIRST FLOOR	30	114.200	800.000	1300.000	0.143	0.088	DPM/100 cm^2	027
27 -01	MONITORED DRAIN LINE PIT BEHIND BLDG. 5	20	37.540	800.000	1300.000	0.047	0.029	DPM/100 cm^2	00?
28A-01	BUILDING 4, FIRST FLOOR	48	396.200	800.000	1300.000	0.495	0.305	DPM/100 cm^2	025
28A-02	BUILDING 4, SECOND FLOOR	32	136.300	800.000	1300.000	0.170	0.105	DPM/100 cm^2	025

TABLE 20
COMPARISON OF AVERAGE RESULTS WITH MDA VALUES

LOCATION CODE	LOCATION DESCRIPTION	NUMBER OF SURVEY POINTS	AVERAGE VALUE	MINIMUM VALUE FOR MDA	MAXIMUM VALUE FOR MDA	RATIO OF AVERAGE TO LOW MDA VALUE	RATIO OF AVERAGE TO HIGH MDA VALUE	UNITS FOR ALL VALUES	REPORT NUMBER
28B-01	BUILDING 5, FOURTH FLOOR	30	82.000	800.000	1300.000	0.102	0.063	DPM/100 cm^2	030
28C-01	BUILDING 5A	30	120.300	800.000	1300.000	0.150	0.093	DPM/100 cm^2	026
28D-01	BUILDING 7, SECOND FLOOR	30	85.400	800.000	1300.000	0.107	0.066	DPM/100 cm^2	013
28E-01	BUILDING 8	52	-6.300	800.000	1300.000	-0.008	-0.005	DPM/100 cm^2	011
28F-01	BUILDING 8A, SECOND FLOOR	36	831.100	800.000	1300.000	1.039	0.639	DPM/100 cm^2	032
28G-01	BUILDING 9, SECOND FLOOR	36	110.700	800.000	1300.000	0.138	0.085	DPM/100 cm^2	022
28H-01	BUILDING 10, FIRST FLOOR	35	149.100	800.000	1300.000	0.186	0.115	DPM/100 cm^2	021
28H-02	BUILDING 10, SECOND FLOOR	32	92.400	800.000	1300.000	0.116	0.071	DPM/100 cm^2	021
28I-01	BUILDING 11, FIRST FLOOR	36	79.100	800.000	1300.000	0.099	0.061	DPM/100 cm^2	018
28I-02	BUILDING 11, SECOND FLOOR	36	661.300	800.000	1300.000	0.827	0.509	DPM/100 cm^2	018
28J-01	FIREHALL	30	235.300	800.000	1300.000	0.294	0.181	DPM/100 cm^2	031
28K-01	INCINERATOR BUILDING	18	18.040	800.000	1300.000	0.023	0.014	DPM/100 cm^2	005
28K-02	INCINERATOR BLDG. - INSIDE INCINERATOR	20	2428.060	800.000	1300.000	3.035	1.868	DPM/100 cm^2	005
28K-03	INCINERATOR BUILDING - INSIDE CHIMNEY	8	974.850	800.000	1300.000	1.219	0.750	DPM/100 cm^2	005
28L-01	BUILDING 12, SECOND FLOOR	30	135.800	800.000	1300.000	0.170	0.104	DPM/100 cm^2	028
29 -01	ROOF SURFACE FOR BLDG 5	51	551.200	800.000	1300.000	0.689	0.424	DPM/100 cm^2	038
29 -02	ROOF SURFACE FOR BLDGS 6,7&8	31	86.400	800.000	1300.000	0.108	0.066	DPM/100 cm^2	038
29 -03	ROOF SURFACE FOR BLDG 8A	45	625.900	800.000	1300.000	0.782	0.481	DPM/100 cm^2	038
29 -04	ROOF SURFACE FOR BLDG 9	34	564.500	800.000	1300.000	0.706	0.434	DPM/100 cm^2	038
29 -05	ROOF SURFACE FOR HYDROGEN FACILITY	30	1100.500	800.000	1300.000	1.376	0.847	DPM/100 cm^2	038
29 -06	ROOF SURFACE FOR BLDGS 4,10,11,&FIREHALL	37	323.100	800.000	1300.000	0.404	0.249	DPM/100 cm^2	038
29 -09	ROOF VENTS FOR BLDGS 9 & HYDROGEN FAC.	18	-21.400	800.000	1300.000	-0.027	-0.016	DPM/100 cm^2	038
** Subtotal **		4646							

TABLE 20
COMPARISON OF AVERAGE RESULTS WITH MDA VALUES

LOCATION CODE	LOCATION DESCRIPTION	NUMBER OF SURVEY POINTS	AVERAGE VALUE	MINIMUM VALUE FOR MDA	MAXIMUM VALUE FOR MDA	RATIO OF AVERAGE TO LOW MDA VALUE	RATIO OF AVERAGE TO HIGH MDA VALUE	UNITS FOR ALL VALUES	REPORT NUMBER
** SURVEY TYPE = AVERAGE - BETA SCAN OF SURFACE NEAR SURVEY POINT									
01 -01	BUILDING 5, FIRST FLOOR	74	16.600	800.000	1300.000	0.021	0.013	DPM/100 cm^2	034
01 -03	BUILDING 5, FIRST FLOOR	69	-38.600	800.000	1300.000	-0.048	-0.030	DPM/100 cm^2	034
01 -04	BUILDING 5, FIRST FLOOR	72	96.100	800.000	1300.000	0.120	0.074	DPM/100 cm^2	034
01 -06	BUILDING 5, FIRST FLOOR	35	38.300	800.000	1300.000	0.048	0.029	DPM/100 cm^2	034
01 -07	BUILDING 5, FIRST FLOOR	30	350.900	800.000	1300.000	0.439	0.270	DPM/100 cm^2	034
01 -08	BUILDING 5, FIRST FLOOR	65	-102.600	800.000	1300.000	-0.128	-0.079	DPM/100 cm^2	034
01 -09	BUILDING 5, FIRST FLOOR	63	23.700	800.000	1300.000	0.030	0.018	DPM/100 cm^2	034
01 -10	BUILDING 5, FIRST FLOOR	37	39.300	800.000	1300.000	0.049	0.030	DPM/100 cm^2	034
01 -13	BUILDING 5, FIRST FLOOR	31	-6.900	800.000	1300.000	-0.009	-0.005	DPM/100 cm^2	034
01 -14	BUILDING 5, UPPER SURFACES, UNITS 6 & 10	60	153.500	800.000	1300.000	0.192	0.118	DPM/100 cm^2	034
02 -01	BUILDING 5, SECOND FLOOR	62	160.700	800.000	1300.000	0.201	0.124	DPM/100 cm^2	023
02 -02	BUILDING 5, SECOND FLOOR	64	28.500	800.000	1300.000	0.036	0.022	DPM/100 cm^2	023
02 -03	BUILDING 5, SECOND FLOOR	30	110.900	800.000	1300.000	0.139	0.085	DPM/100 cm^2	023
02 -04	BUILDING 5, SECOND FLOOR	61	165.800	800.000	1300.000	0.207	0.128	DPM/100 cm^2	023
03 -01	BUILDING 5, THIRD FLOOR	64	75.500	800.000	1300.000	0.094	0.058	DPM/100 cm^2	024
04 -01	BUILDING 6, FIRST FLOOR	71	114.800	800.000	1300.000	0.143	0.088	DPM/100 cm^2	017
04 -02	BUILDING 6, FIRST FLOOR	64	62.800	800.000	1300.000	0.079	0.048	DPM/100 cm^2	017
04 -03	BUILDING 6, FIRST FLOOR	63	60.300	800.000	1300.000	0.075	0.046	DPM/100 cm^2	017
04 -04	BUILDING 6, FIRST FLOOR	68	80.500	800.000	1300.000	0.101	0.062	DPM/100 cm^2	017
04 -05	BUILDING 6, FIRST FLOOR	91	70.400	800.000	1300.000	0.088	0.054	DPM/100 cm^2	017
04 -06	BUILDING 6, VENTILATION SYSTEMS	9	64.300	800.000	1300.000	0.080	0.049	DPM/100 cm^2	017
05 -01	BUILDING 6, SECOND FLOOR	74	6.500	800.000	1300.000	0.008	0.005	DPM/100 cm^2	019
05 -02	BUILDING 6, SECOND FLOOR	60	115.500	800.000	1300.000	0.144	0.089	DPM/100 cm^2	019
06 -01	BUILDING 6A	86	0.800	800.000	1300.000	0.001	0.001	DPM/100 cm^2	014
06 -02	BUILDING 6A	67	-49.900	800.000	1300.000	-0.062	-0.038	DPM/100 cm^2	014
06 -03	BUILDING 6A	60	1.300	800.000	1300.000	0.002	0.001	DPM/100 cm^2	014
07 -01	BUILDING 7, FIRST FLOOR	70	25.200	800.000	1300.000	0.032	0.019	DPM/100 cm^2	012
07 -02	BUILDING 7, FIRST FLOOR	60	-42.600	800.000	1300.000	-0.053	-0.033	DPM/100 cm^2	012
07 -03	BUILDING 7, FIRST FLOOR	70	-221.100	800.000	1300.000	-0.276	-0.170	DPM/100 cm^2	012
07 -04	BUILDING 7, FIRST FLOOR	60	101.700	800.000	1300.000	0.127	0.078	DPM/100 cm^2	012

TABLE 20
COMPARISON OF AVERAGE RESULTS WITH MDA VALUES

LOCATION CODE	LOCATION DESCRIPTION	NUMBER OF SURVEY POINTS	AVERAGE VALUE	MINIMUM VALUE FOR MDA	MAXIMUM VALUE FOR MDA	RATIO OF AVERAGE TO LOW MDA VALUE	RATIO OF AVERAGE TO HIGH MDA VALUE	UNITS FOR ALL VALUES	REPORT NUMBER
07 -05	BUILDING 7, FIRST FLOOR	61	-57.100	800.000	1300.000	-0.071	-0.044	DPM/100 cm^2	012
07 -06	BUILDING 7, FIRST FLOOR	67	81.600	800.000	1300.000	0.102	0.063	DPM/100 cm^2	012
08 -01	BUILDING 8A, FIRST FLOOR	99	-40.000	800.000	1300.000	-0.050	-0.031	DPM/100 cm^2	035
08 -02	BUILDING 8A, FIRST FLOOR	76	-95.500	800.000	1300.000	-0.119	-0.073	DPM/100 cm^2	035
08 -03	BUILDING 8A, FIRST FLOOR	63	102.600	800.000	1300.000	0.128	0.079	DPM/100 cm^2	035
08 -04	BUILDING 8A, FIRST FLOOR	61	2.000	800.000	1300.000	0.003	0.002	DPM/100 cm^2	035
08 -05	BUILDING 8A, FIRST FLOOR	73	-65.300	800.000	1300.000	-0.082	-0.050	DPM/100 cm^2	035
09 -01	BUILDING 9, PIT	113	0.900	800.000	1300.000	0.001	0.001	DPM/100 cm^2	016
10 -01	BUILDING 9, FIRST FLOOR, EXT. STORAGE	30	105.500	800.000	1300.000	0.132	0.081	DPM/100 cm^2	020
10 -02	BUILDING 9, FIRST FLOOR	68	-97.000	800.000	1300.000	-0.121	-0.075	DPM/100 cm^2	020
10 -03	BUILDING 9, FIRST FLOOR	62	-23.300	800.000	1300.000	-0.029	-0.018	DPM/100 cm^2	020
10 -04	BUILDING 9, FIRST FLOOR	79	84.600	800.000	1300.000	0.106	0.065	DPM/100 cm^2	020
10 -05	BUILDING 9, FIRST FLOOR	61	13.200	800.000	1300.000	0.017	0.010	DPM/100 cm^2	020
10 -06	BUILDING 9, FIRST FLOOR	60	21.700	800.000	1300.000	0.027	0.017	DPM/100 cm^2	020
10 -08	BUILDING 9, FIRST FLOOR	66	40.700	800.000	1300.000	0.051	0.031	DPM/100 cm^2	020
10 -09	BUILDING 9, FIRST FLOOR	69	-25.400	800.000	1300.000	-0.032	-0.020	DPM/100 cm^2	020
10 -10	BUILDING 9, FIRST FLOOR	61	12.900	800.000	1300.000	0.016	0.010	DPM/100 cm^2	020
10 -11	BUILDING 9, FIRST FLOOR	62	97.500	800.000	1300.000	0.122	0.075	DPM/100 cm^2	020
10 -12	BUILDING 9, FIRST FLOOR	64	17.800	800.000	1300.000	0.022	0.014	DPM/100 cm^2	020
10 -14-1	BUILDING 9 PIPE CHASES - GROUP 1	251	194.700	800.000	1300.000	0.243	0.150	DPM/100 cm^2	010
10 -14-2	BUILDING 9 PIPE CHASES - GROUP 2	177	152.100	800.000	1300.000	0.190	0.117	DPM/100 cm^2	010
10 -14-3	BUILDING 9 PIPE CHASES - GROUP 3	92	130.600	800.000	1300.000	0.163	0.100	DPM/100 cm^2	010
10 -14-4	BUILDING 9 PIPE CHASES - ASSOCIATED PITS	22	183.210	800.000	1300.000	0.229	0.141	DPM/100 cm^2	010
11 -01	HYDROGEN FACILITY	94	-10.700	800.000	1300.000	-0.013	-0.008	DPM/100 cm^2	033
14 -01	BUILDING 4, BASEMENT	29	-145.200	800.000	1300.000	-0.181	-0.112	DPM/100 cm^2	015
14 -02	BUILDING 4, BASEMENT	31	24.300	800.000	1300.000	0.030	0.019	DPM/100 cm^2	015
15 -01	BUILDING 4, THIRD FLOOR	30	57.900	800.000	1300.000	0.072	0.045	DPM/100 cm^2	029
16 -01	BUILDING 12, FIRST FLOOR	30	59.300	800.000	1300.000	0.074	0.046	DPM/100 cm^2	027
27 -01	MONITORED DRAIN LINE PIT BEHIND BLDG. 5	20	-206.360	800.000	1300.000	-0.258	-0.159	DPM/100 cm^2	008
28A-01	BUILDING 4, FIRST FLOOR	48	-220.500	800.000	1300.000	-0.276	-0.170	DPM/100 cm^2	025
28A-02	BUILDING 4, SECOND FLOOR	32	96.700	800.000	1300.000	0.121	0.074	DPM/100 cm^2	025

TABLE 20
COMPARISON OF AVERAGE RESULTS WITH MDA VALUES

LOCATION CODE	LOCATION DESCRIPTION	NUMBER OF SURVEY POINTS	AVERAGE VALUE	MINIMUM VALUE FOR MDA	MAXIMUM VALUE FOR MDA	RATIO OF AVERAGE TO LOW MDA VALUE	RATIO OF AVERAGE TO HIGH MDA VALUE	UNITS FOR ALL VALUES	REPORT NUMBER
28B-01	BUILDING 5, FOURTH FLOOR	30	18.100	800.000	1300.000	0.023	0.014	DPM/100 cm^2	030
28C-01	BUILDING 5A	30	72.900	800.000	1300.000	0.091	0.056	DPM/100 cm^2	026
28D-01	BUILDING 7, SECOND FLOOR	30	38.600	800.000	1300.000	0.048	0.030	DPM/100 cm^2	013
28E-01	BUILDING 8	52	-115.000	800.000	1300.000	-0.144	-0.088	DPM/100 cm^2	011
28F-01	BUILDING 8A, SECOND FLOOR	36	635.000	800.000	1300.000	0.794	0.488	DPM/100 cm^2	032
28G-01	BUILDING 9, SECOND FLOOR	36	54.700	800.000	1300.000	0.068	0.042	DPM/100 cm^2	022
28H-01	BUILDING 10, FIRST FLOOR	35	93.700	800.000	1300.000	0.117	0.072	DPM/100 cm^2	021
28H-02	BUILDING 10, SECOND FLOOR	32	35.100	800.000	1300.000	0.044	0.027	DPM/100 cm^2	021
28I-01	BUILDING 11, FIRST FLOOR	36	5.800	800.000	1300.000	0.007	0.004	DPM/100 cm^2	018
28I-02	BUILDING 11, SECOND FLOOR	36	417.800	800.000	1300.000	0.522	0.321	DPM/100 cm^2	018
28J-01	FIREHALL	30	53.700	800.000	1300.000	0.067	0.041	DPM/100 cm^2	031
28K-01	INCINERATOR BUILDING	18	-12.030	800.000	1300.000	-0.015	-0.009	DPM/100 cm^2	005
28K-02	INCINERATOR BLDG. - INSIDE INCINERATOR	20	1921.150	800.000	1300.000	2.401	1.478	DPM/100 cm^2	005
28K-03	INCINERATOR BUILDING - INSIDE CHIMNEY	8	505.850	800.000	1300.000	0.632	0.389	DPM/100 cm^2	005
28L-01	BUILDING 12, SECOND FLOOR	30	85.900	800.000	1300.000	0.107	0.066	DPM/100 cm^2	028
29 -01	ROOF SURFACE FOR BLDG 5	51	168.500	800.000	1300.000	0.211	0.130	DPM/100 cm^2	038
29 -02	ROOF SURFACE FOR BLDGS 6,7&8	31	-280.400	800.000	1300.000	-0.350	-0.216	DPM/100 cm^2	038
29 -03	ROOF SURFACE FOR BLDG 8A	45	288.200	800.000	1300.000	0.360	0.222	DPM/100 cm^2	038
29 -04	ROOF SURFACE FOR BLDG 9	34	296.700	800.000	1300.000	0.371	0.228	DPM/100 cm^2	038
29 -05	ROOF SURFACE FOR HYDROGEN FACILITY	30	761.500	800.000	1300.000	0.952	0.586	DPM/100 cm^2	038
29 -06	ROOF SURFACE FOR BLDGS 4,10,11,&FIREHALL	37	14.900	800.000	1300.000	0.019	0.011	DPM/100 cm^2	038
29 -09	ROOF VENTS FOR BLDGS 9 & HYDROGEN FAC.	18	-309.000	800.000	1300.000	-0.386	-0.238	DPM/100 cm^2	038
** Subtotal **		4646							

TABLE 20
COMPARISON OF AVERAGE RESULTS WITH MDA VALUES

LOCATION CODE	LOCATION DESCRIPTION	NUMBER OF SURVEY POINTS	AVERAGE VALUE	MINIMUM VALUE FOR MDA	MAXIMUM VALUE FOR MDA	RATIO OF AVERAGE TO LOW MDA VALUE	RATIO OF AVERAGE TO HIGH MDA VALUE	UNITS FOR ALL VALUES	REPORT NUMBER
** SURVEY TYPE = FIXED ALPHA SURVEY AT SURVEY POINT									
01 -01	BUILDING 5, FIRST FLOOR	74	2.100	18.000	21.000	0.117	0.100	DPM/100 cm^2	034
01 -03	BUILDING 5, FIRST FLOOR	69	3.700	18.000	21.000	0.206	0.176	DPM/100 cm^2	034
01 -04	BUILDING 5, FIRST FLOOR	67	11.500	18.000	21.000	0.639	0.548	DPM/100 cm^2	034
01 -06	BUILDING 5, FIRST FLOOR	35	3.100	18.000	21.000	0.172	0.148	DPM/100 cm^2	034
01 -07	BUILDING 5, FIRST FLOOR	29	1.300	18.000	21.000	0.072	0.062	DPM/100 cm^2	034
01 -08	BUILDING 5, FIRST FLOOR	65	-14.700	18.000	21.000	-0.817	-0.700	DPM/100 cm^2	034
01 -09	BUILDING 5, FIRST FLOOR	63	2.900	18.000	21.000	0.161	0.138	DPM/100 cm^2	034
01 -10	BUILDING 5, FIRST FLOOR	37	0.100	18.000	21.000	0.006	0.005	DPM/100 cm^2	034
01 -13	BUILDING 5, FIRST FLOOR	31	-1.800	18.000	21.000	-0.100	-0.086	DPM/100 cm^2	034
01 -14	BUILDING 5, UPPER SURFACES, UNITS 6 & 10	60	3.300	18.000	21.000	0.183	0.157	DPM/100 cm^2	034
02 -01	BUILDING 5, SECOND FLOOR	62	4.900	18.000	21.000	0.272	0.233	DPM/100 cm^2	023
02 -02	BUILDING 5, SECOND FLOOR	64	5.400	18.000	21.000	0.300	0.257	DPM/100 cm^2	023
02 -03	BUILDING 5, SECOND FLOOR	30	2.100	18.000	21.000	0.117	0.100	DPM/100 cm^2	023
02 -04	BUILDING 5, SECOND FLOOR	61	9.900	18.000	21.000	0.550	0.471	DPM/100 cm^2	023
03 -01	BUILDING 5, THIRD FLOOR	64	7.500	18.000	21.000	0.417	0.357	DPM/100 cm^2	024
04 -01	BUILDING 6, FIRST FLOOR	71	5.600	18.000	21.000	0.311	0.267	DPM/100 cm^2	017
04 -02	BUILDING 6, FIRST FLOOR	64	0.300	18.000	21.000	0.017	0.014	DPM/100 cm^2	017
04 -03	BUILDING 6, FIRST FLOOR	63	5.000	18.000	21.000	0.278	0.238	DPM/100 cm^2	017
04 -04	BUILDING 6, FIRST FLOOR	67	2.300	18.000	21.000	0.128	0.110	DPM/100 cm^2	017
04 -05	BUILDING 6, FIRST FLOOR	91	4.000	18.000	21.000	0.222	0.190	DPM/100 cm^2	017
04 -06	BUILDING 6, VENTILATION SYSTEMS	9	1.900	18.000	21.000	0.106	0.090	DPM/100 cm^2	017
05 -01	BUILDING 6, SECOND FLOOR	74	4.900	18.000	21.000	0.272	0.233	DPM/100 cm^2	019
05 -02	BUILDING 6, SECOND FLOOR	60	4.800	18.000	21.000	0.267	0.229	DPM/100 cm^2	019
06 -01	BUILDING 6A	86	-0.500	18.000	21.000	-0.028	-0.024	DPM/100 cm^2	014
06 -02	BUILDING 6A	67	-2.400	18.000	21.000	-0.133	-0.114	DPM/100 cm^2	014
06 -03	BUILDING 6A	60	2.400	18.000	21.000	0.133	0.114	DPM/100 cm^2	014
07 -01	BUILDING 7, FIRST FLOOR	70	-5.300	18.000	21.000	-0.294	-0.252	DPM/100 cm^2	012
07 -02	BUILDING 7, FIRST FLOOR	60	-3.300	18.000	21.000	-0.183	-0.157	DPM/100 cm^2	012
07 -03	BUILDING 7, FIRST FLOOR	70	-1.700	18.000	21.000	-0.094	-0.081	DPM/100 cm^2	012
07 -04	BUILDING 7, FIRST FLOOR	60	1.900	18.000	21.000	0.106	0.090	DPM/100 cm^2	012

TABLE 20
COMPARISON OF AVERAGE RESULTS WITH MDA VALUES

LOCATION CODE	LOCATION DESCRIPTION	NUMBER OF SURVEY POINTS	AVERAGE VALUE	MINIMUM VALUE FOR MDA	MAXIMUM VALUE FOR MDA	RATIO OF AVERAGE TO LOW MDA VALUE	RATIO OF AVERAGE TO HIGH MDA VALUE	UNITS FOR ALL VALUES	REPORT NUMBER
07 -05	BUILDING 7, FIRST FLOOR	61	-1.700	18.000	21.000	-0.094	-0.081	DPM/100 cm^2	012
07 -06	BUILDING 7, FIRST FLOOR	67	4.300	18.000	21.000	0.239	0.205	DPM/100 cm^2	012
08 -01	BUILDING 8A, FIRST FLOOR	99	0.600	18.000	21.000	0.033	0.029	DPM/100 cm^2	035
08 -02	BUILDING 8A, FIRST FLOOR	76	1.000	18.000	21.000	0.056	0.048	DPM/100 cm^2	035
08 -03	BUILDING 8A, FIRST FLOOR	63	2.600	18.000	21.000	0.144	0.124	DPM/100 cm^2	035
08 -04	BUILDING 8A, FIRST FLOOR	61	0.700	18.000	21.000	0.039	0.033	DPM/100 cm^2	035
08 -05	BUILDING 8A, FIRST FLOOR	73	-0.400	18.000	21.000	-0.022	-0.019	DPM/100 cm^2	035
08 -06	BUILDING 8A, FIRST FLOOR, SPECIAL GRIDS	415	4.000	18.000	21.000	0.222	0.190	DPM/100 cm^2	035
09 -01	BUILDING 9, PIT	113	20.290	18.000	21.000	1.127	0.966	DPM/100 cm^2	016
10 -01	BUILDING 9, FIRST FLOOR, EXT. STORAGE	30	1.900	18.000	21.000	0.106	0.090	DPM/100 cm^2	020
10 -02	BUILDING 9, FIRST FLOOR	68	-2.200	18.000	21.000	-0.122	-0.105	DPM/100 cm^2	020
10 -03	BUILDING 9, FIRST FLOOR	62	-13.700	18.000	21.000	-0.761	-0.652	DPM/100 cm^2	020
10 -04	BUILDING 9, FIRST FLOOR	79	3.100	18.000	21.000	0.172	0.148	DPM/100 cm^2	020
10 -05	BUILDING 9, FIRST FLOOR	61	2.200	18.000	21.000	0.122	0.105	DPM/100 cm^2	020
10 -06	BUILDING 9, FIRST FLOOR	60	-7.700	18.000	21.000	-0.428	-0.367	DPM/100 cm^2	020
10 -08	BUILDING 9, FIRST FLOOR	66	5.200	18.000	21.000	0.289	0.248	DPM/100 cm^2	020
10 -09	BUILDING 9, FIRST FLOOR	69	5.100	18.000	21.000	0.283	0.243	DPM/100 cm^2	020
10 -10	BUILDING 9, FIRST FLOOR	61	1.800	18.000	21.000	0.100	0.086	DPM/100 cm^2	020
10 -11	BUILDING 9, FIRST FLOOR	62	-3.400	18.000	21.000	-0.189	-0.162	DPM/100 cm^2	020
10 -12	BUILDING 9, FIRST FLOOR	64	6.800	18.000	21.000	0.378	0.324	DPM/100 cm^2	020
10 -14-1	BUILDING 9 PIPE CHASES - GROUP 1	251	36.800	18.000	21.000	2.044	1.752	DPM/100 cm^2	010
10 -14-2	BUILDING 9 PIPE CHASES - GROUP 2	177	12.200	18.000	21.000	0.678	0.581	DPM/100 cm^2	010
10 -14-3	BUILDING 9 PIPE CHASES - GROUP 3	92	-1.600	18.000	21.000	-0.089	-0.076	DPM/100 cm^2	010
10 -14-4	BUILDING 9 PIPE CHASES - ASSOCIATED PITS	22	0.840	18.000	21.000	0.047	0.040	DPM/100 cm^2	010
11 -01	HYDROGEN FACILITY	98	8.200	18.000	21.000	0.456	0.390	DPM/100 cm^2	033
14 -01	BUILDING 4, BASEMENT	29	-1.200	18.000	21.000	-0.067	-0.057	DPM/100 cm^2	015
14 -02	BUILDING 4, BASEMENT	31	10.300	18.000	21.000	0.572	0.490	DPM/100 cm^2	015
15 -01	BUILDING 4, THIRD FLOOR	30	-1.200	18.000	21.000	-0.067	-0.057	DPM/100 cm^2	029
16 -01	BUILDING 12, FIRST FLOOR	30	6.500	18.000	21.000	0.361	0.310	DPM/100 cm^2	027
27 -01	MONITORED DRAIN LINE PIT BEHIND BLDG. 5	20	-36.720	18.000	21.000	-2.040	-1.749	DPM/100 cm^2	008
28A-01	BUILDING 4, FIRST FLOOR	48	3.900	18.000	21.000	0.217	0.186	DPM/100 cm^2	025

TABLE 20

COMPARISON OF AVERAGE RESULTS WITH MDA VALUES

LOCATION CODE	LOCATION DESCRIPTION	NUMBER OF SURVEY POINTS	AVERAGE VALUE	MINIMUM VALUE FOR MDA	MAXIMUM VALUE FOR MDA	RATIO OF AVERAGE TO LOW MDA VALUE	RATIO OF AVERAGE TO HIGH MDA VALUE	UNITS FOR ALL VALUES	REPORT NUMBER
28A-02	BUILDING 4, SECOND FLOOR	32	3.000	18.000	21.000	0.167	0.143	DPM/100 cm^2	025
28B-01	BUILDING 5, FOURTH FLOOR	30	5.100	18.000	21.000	0.283	0.243	DPM/100 cm^2	030
28C-01	BUILDING 5A	30	-0.200	18.000	21.000	-0.011	-0.010	DPM/100 cm^2	026
28D-01	BUILDING 7, SECOND FLOOR	30	1.700	18.000	21.000	0.094	0.081	DPM/100 cm^2	013
28E-01	BUILDING 8	52	-1.000	18.000	21.000	-0.056	-0.048	DPM/100 cm^2	011
28F-01	BUILDING 8A, SECOND FLOOR	36	-0.700	18.000	21.000	-0.039	-0.033	DPM/100 cm^2	032
28G-01	BUILDING 9, SECOND FLOOR	36	1.000	18.000	21.000	0.056	0.048	DPM/100 cm^2	022
28H-01	BUILDING 10, FIRST FLOOR	35	5.700	18.000	21.000	0.317	0.271	DPM/100 cm^2	021
28H-02	BUILDING 10, SECOND FLOOR	32	4.800	18.000	21.000	0.267	0.229	DPM/100 cm^2	021
28I-01	BUILDING 11, FIRST FLOOR	36	5.700	18.000	21.000	0.317	0.271	DPM/100 cm^2	018
28I-02	BUILDING 11, SECOND FLOOR	36	18.600	18.000	21.000	1.033	0.88[illegible]	DPM/100 cm^2	018
28J-01	FIREHALL	30	1.000	18.000	21.000	0.056	0.048	DPM/100 cm^2	031
28K-01	INCINERATOR BUILDING	18	0.040	18.000	21.000	0.002	0.002	DPM/100 cm^2	005
28K-02	INCINERATOR BLDG. - INSIDE INCINERATOR	12	-17.840	18.000	21.000	-0.991	-0.850	DPM/100 cm^2	005
28L-01	BUILDING 12, SECOND FLOOR	30	3.500	18.000	21.000	0.194	0.167	DPM/100 cm^2	028
29 -01	ROOF SURFACE FOR BLDG 5	51	66.000	18.000	21.000	3.667	3.143	DPM/100 cm^2	038
29 -02	ROOF SURFACE FOR BLDGS 6,7&8	31	22.300	18.000	21.000	1.239	1.062	DPM/100 cm^2	038
29 -03	ROOF SURFACE FOR BLDG 8A	45	20.400	18.000	21.000	1.133	0.971	DPM/100 cm^2	038
29 -04	ROOF SURFACE FOR BLDG 9	34	21.500	18.000	21.000	1.194	1.024	DPM/100 cm^2	038
29 -05	ROOF SURFACE FOR HYDROGEN FACILITY	30	49.500	18.000	21.000	2.750	2.357	DPM/100 cm^2	038
29 -06	ROOF SURFACE FOR BLDGS 4,10,11,&FIREHALL	37	17.200	18.000	21.000	0.956	0.819	DPM/100 cm^2	038
29 -07	ROOF VENTS FOR BLDG 5	49	16.700	18.000	21.000	0.928	0.795	DPM/100 cm^2	038
29 -08	ROOF VENTS FOR BLDGS 6,7,&8A	22	26.000	18.000	21.000	1.444	1.238	DPM/100 cm^2	038
29 -09	ROOF VENTS FOR BLDGS 9 & HYDROGEN FAC.	49	28.500	18.000	21.000	1.583	1.357	DPM/100 cm^2	038
29 -10	ROOF VENTS FOR BLDGS 4,8,10,11& FIREHALL	36	33.900	18.000	21.000	1.883	1.614	DPM/100 cm^2	038
** Subtotal **		5180							

TABLE 20
COMPARISON OF AVERAGE RESULTS WITH MDA VALUES

LOCATION CODE	LOCATION DESCRIPTION	NUMBER OF SURVEY POINTS	AVERAGE VALUE	MINIMUM VALUE FOR MDA	MAXIMUM VALUE FOR MDA	RATIO OF AVERAGE TO LOW MDA VALUE	RATIO OF AVERAGE TO HIGH MDA VALUE	UNITS FOR ALL VALUES	REPORT NUMBER
** SURVEY TYPE = FIXED BETA SURVEY AT SURVEY POINT									
01 -01	BUILDING 5, FIRST FLOOR	74	51.100	127.000	269.000	0.402	0.190	DPM/100 cm^2	034
01 -03	BUILDING 5, FIRST FLOOR	69	-9.200	127.000	269.000	-0.072	-0.034	DPM/100 cm^2	034
01 -04	BUILDING 5, FIRST FLOOR	67	119.000	127.000	269.000	0.937	0.442	DPM/100 cm^2	034
01 -06	BUILDING 5, FIRST FLOOR	35	55.900	127.000	269.000	0.440	0.208	DPM/100 cm^2	034
01 -07	BUILDING 5, FIRST FLOOR	30	270.300	127.000	269.000	2.128	1.005	DPM/100 cm^2	034
01 -08	BUILDING 5, FIRST FLOOR	65	-56.300	127.000	269.000	-0.443	-0.209	DPM/100 cm^2	034
01 -09	BUILDING 5, FIRST FLOOR	63	38.400	127.000	269.000	0.302	0.143	DPM/100 cm^2	034
01 -10	BUILDING 5, FIRST FLOOR	37	128.000	127.000	269.000	1.008	0.476	DPM/100 cm^2	034
01 -13	BUILDING 5, FIRST FLOOR	31	16.700	127.000	269.000	0.131	0.062	DPM/100 cm^2	034
01 -14	BUILDING 5, UPPER SURFACES, UNITS 6 & 10	60	189.900	127.000	269.000	1.495	0.706	DPM/100 cm^2	034
02 -01	BUILDING 5, SECOND FLOOR	62	159.600	127.000	269.000	1.257	0.593	DPM/100 cm^2	023
02 -02	BUILDING 5, SECOND FLOOR	64	42.700	127.000	269.000	0.336	0.159	DPM/100 cm^2	023
02 -03	BUILDING 5, SECOND FLOOR	30	156.400	127.000	269.000	1.231	0.581	DPM/100 cm^2	023
02 -04	BUILDING 5, SECOND FLOOR	61	186.100	127.000	269.000	1.465	0.692	DPM/100 cm^2	023
03 -01	BUILDING 5, THIRD FLOOR	64	114.700	127.000	269.000	0.903	0.426	DPM/100 cm^2	024
04 -01	BUILDING 6, FIRST FLOOR	71	128.000	127.000	269.000	1.008	0.476	DPM/100 cm^2	017
04 -02	BUILDING 6, FIRST FLOOR	64	76.100	127.000	269.000	0.599	0.283	DPM/100 cm^2	017
04 -03	BUILDING 6, FIRST FLOOR	63	62.200	127.000	269.000	0.490	0.231	DPM/100 cm^2	017
04 -04	BUILDING 6, FIRST FLOOR	68	90.700	127.000	269.000	0.714	0.337	DPM/100 cm^2	017
04 -05	BUILDING 6, FIRST FLOOR	91	89.600	127.000	269.000	0.706	0.333	DPM/100 cm^2	017
04 -06	BUILDING 6, VENTILATION SYSTEMS	9	32.700	127.000	269.000	0.257	0.122	DPM/100 cm^2	017
05 -01	BUILDING 6, SECOND FLOOR	74	39.100	127.000	269.000	0.308	0.145	DPM/100 cm^2	019
05 -02	BUILDING 6, SECOND FLOOR	60	108.700	127.000	269.000	0.856	0.404	DPM/100 cm^2	019
06 -01	BUILDING 6A	86	31.600	127.000	269.000	0.249	0.117	DPM/100 cm^2	014
06 -02	BUILDING 6A	67	-19.300	127.000	269.000	-0.152	-0.072	DPM/100 cm^2	014
06 -03	BUILDING 6A	60	-1.000	127.000	269.000	-0.008	-0.004	DPM/100 cm^2	014
07 -01	BUILDING 7, FIRST FLOOR	70	9.500	127.000	269.000	0.075	0.035	DPM/100 cm^2	012
07 -02	BUILDING 7, FIRST FLOOR	60	-6.500	127.000	269.000	-0.051	-0.024	DPM/100 cm^2	012
07 -03	BUILDING 7, FIRST FLOOR	70	-201.300	127.000	269.000	-1.585	-0.748	DPM/100 cm^2	012
07 -04	BUILDING 7, FIRST FLOOR	60	123.500	127.000	269.000	0.972	0.459	DPM/100 cm^2	012

TABLE 20
COMPARISON OF AVERAGE RESULTS WITH MDA VALUES

LOCATION CODE	LOCATION DESCRIPTION	NUMBER OF SURVEY POINTS	AVERAGE VALUE	MINIMUM VALUE FOR MDA	MAXIMUM VALUE FOR MDA	RATIO OF AVERAGE TO LOW MDA VALUE	RATIO OF AVERAGE TO HIGH MDA VALUE	UNITS FOR ALL VALUES	REPORT NUMBER
07 -05	BUILDING 7, FIRST FLOOR	61	-31.200	127.000	269.000	-0.246	-0.116	DPM/100 cm^2	012
07 -06	BUILDING 7, FIRST FLOOR	67	92.900	127.000	269.000	0.731	0.345	DPM/100 cm^2	012
08 -01	BUILDING 8A, FIRST FLOOR	99	-29.000	127.000	269.000	-0.228	-0.108	DPM/100 cm^2	035
08 -02	BUILDING 8A, FIRST FLOOR	76	-77.000	127.000	269.000	-0.606	-0.286	DPM/100 cm^2	035
08 -03	BUILDING 8A, FIRST FLOOR	63	104.800	127.000	269.000	0.825	0.390	DPM/100 cm^2	035
08 -04	BUILDING 8A, FIRST FLOOR	61	-5.200	127.000	269.000	-0.041	-0.019	DPM/100 cm^2	035
08 -05	BUILDING 8A, FIRST FLOOR	73	-53.700	127.000	269.000	-0.423	-0.200	DPM/100 cm^2	035
08 -06	BUILDING 8A, FIRST FLOOR, SPECIAL GRIDS	415	14.400	127.000	269.000	0.113	0.054	DPM/100 cm^2	035
09 -01	BUILDING 9, PIT	113	14.080	127.000	269.000	0.111	0.052	DPM/100 cm^2	016
10 -01	BUILDING 9, FIRST FLOOR, EXT. STORAGE	30	134.100	127.000	269.000	1.056	0.499	DPM/100 cm^2	020
10 -02	BUILDING 9, FIRST FLOOR	68	-31.000	127.000	269.000	-0.244	-0.115	DPM/100 cm^2	020
10 -03	BUILDING 9, FIRST FLOOR	62	-1.300	127.000	269.000	-0.010	-0.005	DPM/100 cm^2	020
10 -04	BUILDING 9, FIRST FLOOR	79	74.900	127.000	269.000	0.590	0.278	DPM/100 cm^2	020
10 -05	BUILDING 9, FIRST FLOOR	61	66.000	127.000	269.000	0.520	0.245	DPM/100 cm^2	020
10 -06	BUILDING 9, FIRST FLOOR	60	37.600	127.000	269.000	0.296	0.140	DPM/100 cm^2	020
10 -08	BUILDING 9, FIRST FLOOR	66	31.500	127.000	269.000	0.248	0.117	DPM/100 cm^2	020
10 -09	BUILDING 9, FIRST FLOOR	69	-6.000	127.000	269.000	-0.047	-0.022	DPM/100 cm^2	020
10 -10	BUILDING 9, FIRST FLOOR	61	9.400	127.000	269.000	0.074	0.035	DPM/100 cm^2	020
10 -11	BUILDING 9, FIRST FLOOR	62	137.600	127.000	269.000	1.083	0.512	DPM/100 cm^2	020
10 -12	BUILDING 9, FIRST FLOOR	64	103.000	127.000	269.000	0.811	0.383	DPM/100 cm^2	020
10 -14-1	BUILDING 9 PIPE CHASES - GROUP 1	251	368.900	127.000	269.000	2.905	1.371	DPM/100 cm^2	010
10 -14-2	BUILDING 9 PIPE CHASES - GROUP 2	177	234.100	127.000	269.000	1.843	0.870	DPM/100 cm^2	010
10 -14-3	BUILDING 9 PIPE CHASES - GROUP 3	92	185.700	127.000	269.000	1.462	0.690	DPM/100 cm^2	010
10 -14-4	BUILDING 9 PIPE CHASES - ASSOCIATED PITS	22	225.850	127.000	269.000	1.778	0.840	DPM/100 cm^2	010
11 -01	HYDROGEN FACILITY	98	83.200	127.000	269.000	0.655	0.309	DPM/100 cm^2	033
14 -01	BUILDING 4, BASEMENT	29	-136.300	127.000	269.000	-1.073	-0.507	DPM/100 cm^2	015
14 -02	BUILDING 4, BASEMENT	31	46.300	127.000	269.000	0.365	0.172	DPM/100 cm^2	015
15 -01	BUILDING 4, THIRD FLOOR	30	95.700	127.000	269.000	0.754	0.356	DPM/100 cm^2	029
16 -01	BUILDING 12, FIRST FLOOR	30	73.300	127.000	269.000	0.577	0.272	DPM/100 cm^2	027
27 -01	MONITORED DRAIN LINE PIT BEHIND BLDG. 5	20	-191.350	127.000	269.000	-1.507	-0.711	DPM/100 cm^2	008
28A-01	BUILDING 4, FIRST FLOOR	48	-218.900	127.000	269.000	-1.724	-0.814	DPM/100 cm^2	025

TABLE 20
COMPARISON OF AVERAGE RESULTS WITH MDA VALUES

LOCATION CODE	LOCATION DESCRIPTION	NUMBER OF SURVEY POINTS	AVERAGE VALUE	MINIMUM VALUE FOR MDA	MAXIMUM VALUE FOR MDA	RATIO OF AVERAGE TO LOW MDA VALUE	RATIO OF AVERAGE TO HIGH MDA VALUE	UNITS FOR ALL VALUES	REPORT NUMBER
28A-02	BUILDING 4, SECOND FLOOR	32	94.800	127.000	269.000	0.746	0.352	DPM/100 cm^2	025
28B-01	BUILDING 5, FOURTH FLOOR	30	40.400	127.000	269.000	0.318	0.150	DPM/100 cm^2	030
28C-01	BUILDING 5A	30	78.400	127.000	269.000	0.617	0.291	DPM/100 cm^2	026
28D-01	BUILDING 7, SECOND FLOOR	30	36.300	127.000	269.000	0.286	0.135	DPM/100 cm^2	013
28E-01	BUILDING 8	52	-55.600	127.000	269.000	-0.438	-0.207	DPM/100 cm^2	011
28F-01	BUILDING 8A, SECOND FLOOR	36	642.200	127.000	269.000	5.057	2.387	DPM/100 cm^2	032
28G-01	BUILDING 9, SECOND FLOOR	36	67.300	127.000	269.000	0.530	0.250	DPM/100 cm^2	022
28H-01	BUILDING 10, FIRST FLOOR	35	110.800	127.000	269.000	0.872	0.412	DPM/100 cm^2	021
28H-02	BUILDING 10, SECOND FLOOR	32	63.900	127.000	269.000	0.503	0.238	DPM/100 cm^2	021
28I-01	BUILDING 11, FIRST FLOOR	36	16.300	127.000	269.000	0.128	0.061	DPM/100 cm^2	018
28I-02	BUILDING 11, SECOND FLOOR	36	379.000	127.000	269.000	2.984	1.409	DPM/100 cm^2	018
28J-01	FIREHALL	30	208.600	127.000	269.000	1.643	0.775	DPM/100 cm^2	031
28K-01	INCINERATOR BUILDING	18	2.260	127.000	269.000	0.018	0.008	DPM/100 cm^2	005
28K-02	INCINERATOR BLDG. - INSIDE INCINERATOR	12	1921.400	127.000	269.000	15.129	7.143	DPM/100 cm^2	005
28L-01	BUILDING 12, SECOND FLOOR	30	113.600	127.000	269.000	0.894	0.422	DPM/100 cm^2	028
29 -01	ROOF SURFACE FOR BLDG 5	51	189.500	127.000	269.000	1.492	0.704	DPM/100 cm^2	038
29 -02	ROOF SURFACE FOR BLDGS 6,7&8	31	-235.800	127.000	269.000	-1.857	-0.877	DPM/100 cm^2	038
29 -03	ROOF SURFACE FOR BLDG 8A	45	482.700	127.000	269.000	3.801	1.794	DPM/100 cm^2	038
29 -04	ROOF SURFACE FOR BLDG 9	34	322.500	127.000	269.000	2.539	1.199	DPM/100 cm^2	038
29 -05	ROOF SURFACE FOR HYDROGEN FACILITY	30	1299.000	127.000	269.000	10.228	4.829	DPM/100 cm^2	038
29 -06	ROOF SURFACE FOR BLDGS 4,10,11,&FIREHALL	37	157.900	127.000	269.000	1.243	0.587	DPM/100 cm^2	038
29 -07	ROOF VENTS FOR BLDG 5	49	-470.400	127.000	269.000	-3.704	-1.749	DPM/100 cm^2	038
29 -08	ROOF VENTS FOR BLDGS 6,7,&8A	22	148.400	127.000	269.000	1.169	0.552	DPM/100 cm^2	038
29 -09	ROOF VENTS FOR BLDGS 9 & HYDROGEN FAC.	49	-46.900	127.000	269.000	-0.369	-0.174	DPM/100 cm^2	038
29 -10	ROOF VENTS FOR BLDGS 4,8,10,11& FIREHALL	36	-200.700	127.000	269.000	-1.580	-0.746	DPM/100 cm^2	038
** Subtotal **		5182							

TABLE 20
COMPARISON OF AVERAGE RESULTS WITH MDA VALUES

LOCATION CODE	LOCATION DESCRIPTION	NUMBER OF SURVEY POINTS	AVERAGE VALUE	MINIMUM VALUE FOR MDA	MAXIMUM VALUE FOR MDA	RATIO OF AVERAGE TO LOW MDA VALUE	RATIO OF AVERAGE TO HIGH MDA VALUE	UNITS FOR ALL VALUES	REPORT NUMBER
** SURVEY TYPE = REMOVABLE ALPHA SMEAR SURVEY AT SURVEY POINT									
01 -01	BUILDING 5, FIRST FLOOR	74	-0.160	9.000	15.000	-0.018	-0.011	DPM/100 cm^2	034
01 -03	BUILDING 5, FIRST FLOOR	69	0.010	9.000	15.000	0.001	0.001	DPM/100 cm^2	034
01 -04	BUILDING 5, FIRST FLOOR	71	0.040	9.000	15.000	0.004	0.003	DPM/100 cm^2	034
01 -06	BUILDING 5, FIRST FLOOR	35	-0.190	9.000	15.000	-0.021	-0.013	DPM/100 cm^2	034
01 -07	BUILDING 5, FIRST FLOOR	30	0.120	9.000	15.000	0.013	0.008	DPM/100 cm^2	034
01 -08	BUILDING 5, FIRST FLOOR	65	0.220	9.000	15.000	0.024	0.015	DPM/100 cm^2	034
01 -09	BUILDING 5, FIRST FLOOR	63	0.740	9.000	15.000	0.082	0.049	DPM/100 cm^2	034
01 -10	BUILDING 5, FIRST FLOOR	37	0.070	9.000	15.000	0.008	0.005	DPM/100 cm^2	034
01 -13	BUILDING 5, FIRST FLOOR	31	0.170	9.000	15.000	0.019	0.011	DPM/100 cm^2	034
01 -14	BUILDING 5, UPPER SURFACES, UNITS 6 & 10	60	0.270	9.000	15.000	0.030	0.018	DPM/100 cm^2	034
02 -01	BUILDING 5, SECOND FLOOR	62	0.160	9.000	15.000	0.018	0.011	DPM/100 cm^2	023
02 -02	BUILDING 5, SECOND FLOOR	64	0.650	9.000	15.000	0.072	0.043	DPM/100 cm^2	023
02 -03	BUILDING 5, SECOND FLOOR	30	-0.260	9.000	15.000	-0.029	-0.017	DPM/100 cm^2	023
02 -04	BUILDING 5, SECOND FLOOR	61	-0.140	9.000	15.000	-0.016	-0.009	DPM/100 cm^2	023
03 -01	BUILDING 5, THIRD FLOOR	64	-0.220	9.000	15.000	-0.024	-0.015	DPM/100 cm^2	024
04 -01	BUILDING 6, FIRST FLOOR	71	-0.040	9.000	15.000	-0.004	-0.003	DPM/100 cm^2	017
04 -02	BUILDING 6, FIRST FLOOR	64	-0.100	9.000	15.000	-0.011	-0.007	DPM/100 cm^2	017
04 -03	BUILDING 6, FIRST FLOOR	63	-0.140	9.000	15.000	-0.016	-0.009	DPM/100 cm^2	017
04 -04	BUILDING 6, FIRST FLOOR	67	-0.260	9.000	15.000	-0.029	-0.017	DPM/100 cm^2	017
04 -05	BUILDING 6, FIRST FLOOR	91	0.020	9.000	15.000	0.002	0.001	DPM/100 cm^2	017
04 -06	BUILDING 6, VENTILATION SYSTEMS	9	0.600	9.000	15.000	0.067	0.040	DPM/100 cm^2	017
05 -01	BUILDING 6, SECOND FLOOR	74	-0.040	9.000	15.000	-0.004	-0.003	DPM/100 cm^2	019
05 -02	BUILDING 6, SECOND FLOOR	60	0.690	9.000	15.000	0.077	0.046	DPM/100 cm^2	019
06 -01	BUILDING 6A	86	0.230	9.000	15.000	0.026	0.015	DPM/100 cm^2	014
06 -02	BUILDING 6A	72	0.300	9.000	15.000	0.033	0.020	DPM/100 cm^2	014
06 -03	BUILDING 6A	60	0.120	9.000	15.000	0.013	0.008	DPM/100 cm^2	014
07 -01	BUILDING 7, FIRST FLOOR	70	-0.030	9.000	15.000	-0.003	-0.002	DPM/100 cm^2	012
07 -02	BUILDING 7, FIRST FLOOR	60	0.260	9.000	15.000	0.029	0.017	DPM/100 cm^2	012
07 -03	BUILDING 7, FIRST FLOOR	70	-0.040	9.000	15.000	-0.004	-0.003	DPM/100 cm^2	012
07 -04	BUILDING 7, FIRST FLOOR	60	0.120	9.000	15.000	0.013	0.008	DPM/100 cm^2	012

TABLE 20
COMPARISON OF AVERAGE RESULTS WITH MDA VALUES

LOCATION CODE	LOCATION DESCRIPTION	NUMBER OF SURVEY POINTS	AVERAGE VALUE	MINIMUM VALUE FOR MDA	MAXIMUM VALUE FOR MDA	RATIO OF AVERAGE TO LOW MDA VALUE	RATIO OF AVERAGE TO HIGH MDA VALUE	UNITS FOR ALL VALUES	REPORT NUMBER
07 -05	BUILDING 7, FIRST FLOOR	61	0.250	9.000	15.000	0.028	0.017	DPM/100 cm^2	012
07 -06	BUILDING 7, FIRST FLOOR	67	-0.150	9.000	15.000	-0.017	-0.010	DPM/100 cm^2	012
08 -01	BUILDING 8A, FIRST FLOOR	99	0.080	9.000	15.000	0.009	0.005	DPM/100 cm^2	035
08 -02	BUILDING 8A, FIRST FLOOR	76	0.150	9.000	15.000	0.017	0.010	DPM/100 cm^2	035
08 -03	BUILDING 8A, FIRST FLOOR	63	-0.200	9.000	15.000	-0.022	-0.013	DPM/100 cm^2	035
08 -04	BUILDING 8A, FIRST FLOOR	61	-0.010	9.000	15.000	-0.001	-0.001	DPM/100 cm^2	035
08 -05	BUILDING 8A, FIRST FLOOR	73	0.720	9.000	15.000	0.080	0.048	DPM/100 cm^2	035
08 -06	BUILDING 8A, FIRST FLOOR, SPECIAL GRIDS	83	0.330	9.000	15.000	0.037	0.022	DPM/100 cm^2	035
09 -01	BUILDING 9, PIT	60	0.770	9.000	15.000	0.086	0.051	DPM/100 cm^2	016
09 -01	BUILDING 9, PIT	54	0.170	9.000	15.000	0.019	0.011	DPM/100 cm^2	016
10 -01	BUILDING 9, FIRST FLOOR, EXT. STORAGE	30	-0.260	9.000	15.000	-0.029	-0.017	DPM/100 cm^2	020
10 -02	BUILDING 9, FIRST FLOOR	68	0.330	9.000	15.000	0.037	0.022	DPM/100 cm^2	020
10 -03	BUILDING 9, FIRST FLOOR	62	0.900	9.000	15.000	0.100	0.060	DPM/100 cm^2	020
10 -04	BUILDING 9, FIRST FLOOR	79	0.000	9.000	15.000	0.000	0.000	DPM/100 cm^2	020
10 -05	BUILDING 9, FIRST FLOOR	61	0.050	9.000	15.000	0.006	0.003	DPM/100 cm^2	020
10 -06	BUILDING 9, FIRST FLOOR	60	0.320	9.000	15.000	0.036	0.021	DPM/100 cm^2	020
10 -08	BUILDING 9, FIRST FLOOR	66	-0.200	9.000	15.000	-0.022	-0.013	DPM/100 cm^2	020
10 -09	BUILDING 9, FIRST FLOOR	69	0.100	9.000	15.000	0.011	0.007	DPM/100 cm^2	020
10 -10	BUILDING 9, FIRST FLOOR	61	0.360	9.000	15.000	0.040	0.024	DPM/100 cm^2	020
10 -11	BUILDING 9, FIRST FLOOR	62	0.030	9.000	15.000	0.003	0.002	DPM/100 cm^2	020
10 -12	BUILDING 9, FIRST FLOOR	64	0.170	9.000	15.000	0.019	0.011	DPM/100 cm^2	020
10 -14-1	BUILDING 9 PIPE CHASES - GROUP 1	251	0.760	9.000	15.000	0.084	0.051	DPM/100 cm^2	010
10 -14-2	BUILDING 9 PIPE CHASES - GROUP 2	177	0.800	9.000	15.000	0.089	0.053	DPM/100 cm^2	010
10 -14-3	BUILDING 9 PIPE CHASES - GROUP 3	92	0.280	9.000	15.000	0.031	0.019	DPM/100 cm^2	010
10 -14-4	BUILDING 9 PIPE CHASES - ASSOCIATED PITS	22	-0.180	9.000	15.000	-0.020	-0.012	DPM/100 cm^2	010
11 -01	HYDROGEN FACILITY	94	-0.090	9.000	15.000	-0.010	-0.006	DPM/100 cm^2	033
14 -01	BUILDING 4, BASEMENT	29	0.140	9.000	15.000	0.016	0.009	DPM/100 cm^2	015
14 -02	BUILDING 4, BASEMENT	31	0.120	9.000	15.000	0.013	0.008	DPM/100 cm^2	015
15 -01	BUILDING 4, THIRD FLOOR	30	-0.260	9.000	15.000	-0.029	-0.017	DPM/100 cm^2	029
16 -01	BUILDING 12, FIRST FLOOR	30	0.250	9.000	15.000	0.028	0.017	DPM/100 cm^2	027
27 -01	MONITORED DRAIN LINE PIT BEHIND BLDG. 5	20	-0.150	9.000	15.000	-0.017	-0.010	DPM/100 cm^2	008

TABLE 20
COMPARISON OF AVERAGE RESULTS WITH MDA VALUES

LOCATION CODE	LOCATION DESCRIPTION	NUMBER OF SURVEY POINTS	AVERAGE VALUE	MINIMUM VALUE FOR MDA	MAXIMUM VALUE FOR MDA	RATIO OF AVERAGE TO LOW MDA VALUE	RATIO OF AVERAGE TO HIGH MDA VALUE	UNITS FOR ALL VALUES	REPORT NUMBER
28A-01	BUILDING 4, FIRST FLOOR	48	-0.100	9.000	15.000	-0.011	-0.007	DPM/100 cm^2	025
28A-02	BUILDING 4, SECOND FLOOR	32	0.320	9.000	15.000	0.036	0.021	DPM/100 cm^2	025
28B-01	BUILDING 5, FOURTH FLOOR	30	0.260	9.000	15.000	0.029	0.017	DPM/100 cm^2	030
28C-01	BUILDING 5A	30	0.000	9.000	15.000	0.000	0.000	DPM/100 cm^2	026
28D-01	BUILDING 7, SECOND FLOOR	30	0.120	9.000	15.000	0.013	0.008	DPM/100 cm^2	013
28E-01	BUILDING 8	52	0.000	9.000	15.000	0.000	0.000	DPM/100 cm^2	011
28F-01	BUILDING 8A, SECOND FLOOR	36	-0.260	9.000	15.000	-0.029	-0.017	DPM/100 cm^2	032
28G-01	BUILDING 9, SECOND FLOOR	36	-0.110	9.000	15.000	-0.012	-0.007	DPM/100 cm^2	022
28H-01	BUILDING 10, FIRST FLOOR	35	0.030	9.000	15.000	0.003	0.002	DPM/100 cm^2	021
28H-02	BUILDING 10, SECOND FLOOR	32	-0.260	9.000	15.000	-0.029	-0.017	DPM/100 cm^2	021
28I-01	BUILDING 11, FIRST FLOOR	36	-0.040	9.000	15.000	-0.004	-0.003	DPM/100 cm^2	018
28I-02	BUILDING 11, SECOND FLOOR	36	-0.050	9.000	15.000	-0.006	-0.003	DPM/100 cm^2	018
28J-01	FIREHALL	30	-0.260	9.000	15.000	-0.029	-0.017	DPM/100 cm^2	031
28K-01	INCINERATOR BUILDING	18	-0.140	9.000	15.000	-0.016	-0.009	DPM/100 cm^2	005
28K-02	INCINERATOR BLDG. - INSIDE INCINERATOR	12	-0.050	9.000	15.000	-0.006	-0.003	DPM/100 cm^2	005
28K-03	INCINERATOR BUILDING - INSIDE CHIMNEY	8	0.190	9.000	15.000	0.021	0.013	DPM/100 cm^2	005
28L-01	BUILDING 12, SECOND FLOOR	30	-0.010	9.000	15.000	-0.001	-0.001	DPM/100 cm^2	028
29 -01	ROOF SURFACE FOR BLDG 5	51	0.050	9.000	15.000	0.006	0.003	DPM/100 cm^2	038
29 -02	ROOF SURFACE FOR BLDGS 6,7&8	31	1.950	9.000	15.000	0.217	0.130	DPM/100 cm^2	038
29 -03	ROOF SURFACE FOR BLDG 8A	45	0.000	9.000	15.000	0.000	0.000	DPM/100 cm^2	038
29 -04	ROOF SURFACE FOR BLDG 9	34	-0.310	9.000	15.000	-0.034	-0.021	DPM/100 cm^2	038
29 -05	ROOF SURFACE FOR HYDROGEN FACILITY	30	0.310	9.000	15.000	0.034	0.021	DPM/100 cm^2	038
29 -06	ROOF SURFACE FOR BLDGS 4,10,11,&FIREHALL	37	0.450	9.000	15.000	0.050	0.030	DPM/100 cm^2	038
29 -07	ROOF VENTS FOR BLDG 5	49	-0.170	9.000	15.000	-0.019	-0.011	DPM/100 cm^2	038
29 -08	ROOF VENTS FOR BLDGS 6,7,&8A	39	-0.250	9.000	15.000	-0.028	-0.017	DPM/100 cm^2	038
29 -09	ROOF VENTS FOR BLDGS 9 & HYDROGEN FAC.	49	-0.170	9.000	15.000	-0.019	-0.011	DPM/100 cm^2	038
29 -10	ROOF VENTS FOR BLDGS 4,8,10,11& FIREHALL	36	-0.310	9.000	15.000	-0.034	-0.021	DPM/100 cm^2	038
** Subtotal **		4880							

TABLE 20
COMPARISON OF AVERAGE RESULTS WITH MDA VALUES

LOCATION CODE	LOCATION DESCRIPTION	NUMBER OF SURVEY POINTS	AVERAGE VALUE	MINIMUM VALUE FOR MDA	MAXIMUM VALUE FOR MDA	RATIO OF AVERAGE TO LOW MDA VALUE	RATIO OF AVERAGE TO HIGH MDA VALUE	UNITS FOR ALL VALUES	REPORT NUMBER
** SURVEY TYPE = REMOVABLE BETA SMEAR SURVEY AT SURVEY POINT									
01 -01	BUILDING 5, FIRST FLOOR	74	0.380	12.000	154.000	0.032	0.002	DPM/100 cm^2	034
01 -03	BUILDING 5, FIRST FLOOR	69	-0.070	12.000	154.000	-0.006	0.000	DPM/100 cm^2	034
01 -04	BUILDING 5, FIRST FLOOR	71	0.040	12.000	154.000	0.003	0.000	DPM/100 cm^2	034
01 -06	BUILDING 5, FIRST FLOOR	35	-0.090	12.000	154.000	-0.007	-0.001	DPM/100 cm^2	034
01 -07	BUILDING 5, FIRST FLOOR	30	1.640	12.000	154.000	0.137	0.011	DPM/100 cm^2	034
01 -08	BUILDING 5, FIRST FLOOR	65	0.530	12.000	154.000	0.044	0.003	DPM/100 cm^2	034
01 -09	BUILDING 5, FIRST FLOOR	63	0.740	12.000	154.000	0.062	0.005	DPM/100 cm^2	034
01 -10	BUILDING 5, FIRST FLOOR	37	0.800	12.000	154.000	0.067	0.005	DPM/100 cm^2	034
01 -14	BUILDING 5, UPPER SURFACES, UNITS 6 & 10	60	0.510	12.000	154.000	0.043	0.003	DPM/100 cm^2	034
02 -01	BUILDING 5, SECOND FLOOR	62	-0.080	12.000	154.000	-0.007	-0.001	DPM/100 cm^2	023
02 -02	BUILDING 5, SECOND FLOOR	64	0.070	12.000	154.000	0.006	0.000	DPM/100 cm^2	023
02 -03	BUILDING 5, SECOND FLOOR	30	1.290	12.000	154.000	0.107	0.008	DPM/100 cm^2	023
02 -04	BUILDING 5, SECOND FLOOR	61	-0.130	12.000	154.000	-0.011	-0.001	DPM/100 cm^2	023
03 -01	BUILDING 5, THIRD FLOOR	64	0.540	12.000	154.000	0.045	0.004	DPM/100 cm^2	024
01 -13	BUILDING 5, FIRST FLOOR	31	1.170	12.000	154.000	0.097	0.008	DPM/100 cm^2	034
04 -01	BUILDING 6, FIRST FLOOR	71	0.320	12.000	154.000	0.027	0.002	DPM/100 cm^2	017
04 -02	BUILDING 6, FIRST FLOOR	64	-0.460	12.000	154.000	-0.038	-0.003	DPM/100 cm^2	017
04 -03	BUILDING 6, FIRST FLOOR	63	-0.370	12.000	154.000	-0.031	-0.002	DPM/100 cm^2	017
04 -04	BUILDING 6, FIRST FLOOR	67	0.640	12.000	154.000	0.053	0.004	DPM/100 cm^2	017
04 -05	BUILDING 6, FIRST FLOOR	91	0.950	12.000	154.000	0.079	0.006	DPM/100 cm^2	017
04 -06	BUILDING 6, VENTILATION SYSTEMS	9	0.150	12.000	154.000	0.012	0.001	DPM/100 cm^2	017
05 -01	BUILDING 6, SECOND FLOOR	74	0.060	12.000	154.000	0.005	0.000	DPM/100 cm^2	019
05 -02	BUILDING 6, SECOND FLOOR	60	-0.180	12.000	154.000	-0.015	-0.001	DPM/100 cm^2	019
06 -01	BUILDING 6A	86	0.250	12.000	154.000	0.021	0.002	DPM/100 cm^2	014
06 -02	BUILDING 6A	72	0.370	12.000	154.000	0.031	0.002	DPM/100 cm^2	014
06 -03	BUILDING 6A	60	0.030	12.000	154.000	0.003	0.000	DPM/100 cm^2	014
07 -01	BUILDING 7, FIRST FLOOR	70	-0.340	12.000	154.000	-0.028	-0.002	DPM/100 cm^2	012
07 -02	BUILDING 7, FIRST FLOOR	60	-1.120	12.000	154.000	-0.093	-0.007	DPM/100 cm^2	012
07 -03	BUILDING 7, FIRST FLOOR	70	-0.130	12.000	154.000	-0.011	-0.001	DPM/100 cm^2	012
07 -04	BUILDING 7, FIRST FLOOR	60	-0.200	12.000	154.000	-0.017	-0.001	DPM/100 cm^2	012

TABLE 20
COMPARISON OF AVERAGE RESULTS WITH MDA VALUES

LOCATION CODE	LOCATION DESCRIPTION	NUMBER OF SURVEY POINTS	AVERAGE VALUE	MINIMUM VALUE FOR MDA	MAXIMUM VALUE FOR MDA	RATIO OF AVERAGE TO LOW MDA VALUE	RATIO OF AVERAGE TO HIGH MDA VALUE	UNITS FOR ALL VALUES	REPORT NUMBER
07 -05	BUILDING 7, FIRST FLOOR	61	0.360	12.000	154.000	0.030	0.002	DPM/100 cm^2	012
07 -06	BUILDING 7, FIRST FLOOR	67	-0.750	12.000	154.000	-0.063	-0.005	DPM/100 cm^2	012
08 -01	BUILDING 8A, FIRST FLOOR	99	0.220	12.000	154.000	0.018	0.001	DPM/100 cm^2	035
08 -02	BUILDING 8A, FIRST FLOOR	76	-0.480	12.000	154.000	-0.040	-0.003	DPM/100 cm^2	035
08 -03	BUILDING 8A, FIRST FLOOR	63	0.980	12.000	154.000	0.082	0.006	DPM/100 cm^2	035
08 -04	BUILDING 8A, FIRST FLOOR	61	0.550	12.000	154.000	0.046	0.004	DPM/100 cm^2	035
08 -05	BUILDING 8A, FIRST FLOOR	73	-0.590	12.000	154.000	-0.049	-0.004	DPM/100 cm^2	035
08 -06	BUILDING 8A, FIRST FLOOR, SPECIAL GRIDS	83	5.280	12.000	154.000	0.440	0.034	DPM/100 cm^2	035
09 -01	BUILDING 9, PIT	60	12.780	12.000	154.000	1.065	0.083	DPM/100 cm^2	016
09 -01	BUILDING 9, PIT	54	-0.160	12.000	154.000	-0.013	-0.001	DPM/100 cm^2	016
10 -01	BUILDING 9, FIRST FLOOR, EXT. STORAGE	30	0.110	12.000	154.000	0.009	0.001	DPM/100 cm^2	020
10 -02	BUILDING 9, FIRST FLOOR	68	0.290	12.000	154.000	0.024	0.002	DPM/100 cm^2	020
10 -03	BUILDING 9, FIRST FLOOR	62	-0.190	12.000	154.000	-0.016	-0.001	DPM/100 cm^2	020
10 -04	BUILDING 9, FIRST FLOOR	79	-0.030	12.000	154.000	-0.003	0.000	DPM/100 cm^2	020
10 -05	BUILDING 9, FIRST FLOOR	61	-0.680	12.000	154.000	-0.057	-0.004	DPM/100 cm^2	020
10 -06	BUILDING 9, FIRST FLOOR	60	1.440	12.000	154.000	0.120	0.009	DPM/100 cm^2	020
10 -08	BUILDING 9, FIRST FLOOR	66	-0.090	12.000	154.000	-0.007	-0.001	DPM/100 cm^2	020
10 -09	BUILDING 9, FIRST FLOOR	69	-0.010	12.000	154.000	-0.001	0.000	DPM/100 cm^2	020
10 -10	BUILDING 9, FIRST FLOOR	61	0.110	12.000	154.000	0.009	0.001	DPM/100 cm^2	020
10 -11	BUILDING 9, FIRST FLOOR	62	0.670	12.000	154.000	0.056	0.004	DPM/100 cm^2	020
10 -12	BUILDING 9, FIRST FLOOR	64	1.010	12.000	154.000	0.084	0.007	DPM/100 cm^2	020
10 -14-1	BUILDING 9 PIPE CHASES - GROUP 1	251	14.590	12.000	154.000	1.216	0.095	DPM/100 cm^2	010
10 -14-2	BUILDING 9 PIPE CHASES - GROUP 2	177	22.020	12.000	154.000	1.835	0.143	DPM/100 cm^2	010
10 -14-3	BUILDING 9 PIPE CHASES - GROUP 3	92	23.360	12.000	154.000	1.947	0.152	DPM/100 cm^2	010
10 -14-4	BUILDING 9 PIPE CHASES - ASSOCIATED [illegible] S	22	3.660	12.000	154.000	0.305	0.024	DPM/100 cm^2	010
11 -01	HYDROGEN FACILITY	94	0.340	12.000	154.000	0.028	0.002	DPM/100 cm^2	033
14 -01	BUILDING 4, BASEMENT	29	-0.630	12.000	154.000	-0.052	-0.004	DPM/100 cm^2	015
14 -02	BUILDING 4, BASEMENT	31	0.860	12.000	154.000	0.072	0.006	DPM/100 cm^2	015
15 -01	BUILDING 4, THIRD FLOOR	30	0.520	12.000	154.000	0.043	0.003	DPM/100 cm^2	029
16 -01	BUILDING 12, FIRST FLOOR	30	-0.890	12.000	154.000	-0.074	-0.006	DPM/100 cm^2	027
27 -01	MONITORED DRAIN LINE PIT BEHIND BLDG. 5	20	15.690	12.000	154.000	1.307	0.102	DPM/100 cm^2	008

TABLE 20
COMPARISON OF AVERAGE RESULTS WITH MDA VALUES

LOCATION CODE	LOCATION DESCRIPTION	NUMBER OF SURVEY POINTS	AVERAGE VALUE	MINIMUM VALUE FOR MDA	MAXIMUM VALUE FOR MDA	RATIO OF AVERAGE TO LOW MDA VALUE	RATIO OF AVERAGE TO HIGH MDA VALUE	UNITS FOR ALL VALUES	REPORT NUMBER
28A-01	BUILDING 4, FIRST FLOOR	48	0.130	12.000	154.000	0.011	0.001	DPM/100 cm^2	025
28A-02	BUILDING 4, SECOND FLOOR	32	0.270	12.000	154.000	0.023	0.002	DPM/100 cm^2	025
28B-01	BUILDING 5, FOURTH FLOOR	30	0.180	12.000	154.000	0.015	0.001	DPM/100 cm^2	030
28C-01	BUILDING 5A	30	0.180	12.000	154.000	0.015	0.001	DPM/100 cm^2	026
28D-01	BUILDING 7, SECOND FLOOR	30	0.170	12.000	154.000	0.014	0.001	DPM/100 cm^2	013
28E-01	BUILDING 8	52	-0.030	12.000	154.000	-0.003	0.000	DPM/100 cm^2	011
28F-01	BUILDING 8A, SECOND FLOOR	36	0.850	12.000	154.000	0.071	0.006	DPM/100 cm^2	032
28G-01	BUILDING 9, SECOND FLOOR	36	0.110	12.000	154.000	0.009	0.001	DPM/100 cm^2	022
28H-01	BUILDING 10, FIRST FLOOR	35	0.070	12.000	154.000	0.006	0.000	DPM/100 cm^2	021
28H-02	BUILDING 10, SECOND FLOOR	32	-0.230	12.000	154.000	-0.019	-0.001	DPM/100 cm^2	021
28I-01	BUILDING 11, FIRST FLOOR	36	0.990	12.000	154.000	0.083	0.006	DPM/100 cm^2	018
28I-02	BUILDING 11, SECOND FLOOR	36	0.160	12.000	154.000	0.013	0.001	DPM/100 cm^2	018
28J-01	FIREHALL	30	1.460	12.000	154.000	0.122	0.009	DPM/100 cm^2	031
28K-01	INCINERATOR BUILDING	18	-11.490	12.000	154.000	-0.958	-0.075	DPM/100 cm^2	005
28K-02	INCINERATOR BLDG. - INSIDE INCINERATOR	12	-38.930	12.000	154.000	-3.244	-0.253	DPM/100 cm^2	005
28K-03	INCINERATOR BUILDING - INSIDE CHIMNEY	8	2.720	12.000	154.000	0.227	0.018	DPM/100 cm^2	005
28L-01	BUILDING 12, SECOND FLOOR	30	0.100	12.000	154.000	0.008	0.001	DPM/100 cm^2	028
29 -01	ROOF SURFACE FOR BLDG 5	51	0.750	12.000	154.000	0.063	0.005	DPM/100 cm^2	038
29 -02	ROOF SURFACE FOR BLDGS 6,7&8	31	7.170	12.000	154.000	0.598	0.047	DPM/100 cm^2	038
29 -03	ROOF SURFACE FOR BLDG 8A	45	-0.340	12.000	154.000	-0.028	-0.002	DPM/100 cm^2	038
29 -04	ROOF SURFACE FOR BLDG 9	34	-0.290	12.000	154.000	-0.024	-0.002	DPM/100 cm^2	038
29 -05	ROOF SURFACE FOR HYDROGEN FACILITY	30	-0.010	12.000	154.000	-0.001	0.000	DPM/100 cm^2	038
29 -06	ROOF SURFACE FOR BLDGS 4,10,11,&FIREHALL	37	0.340	12.000	154.000	0.028	0.002	DPM/100 cm^2	038
29 -07	ROOF VENTS FOR BLDG 5	49	-0.550	12.000	154.000	-0.046	-0.004	DPM/100 cm^2	038
29 -08	ROOF VENTS FOR BLDGS 6,7,&8A	39	0.030	12.000	154.000	0.003	0.000	DPM/100 cm^2	038
29 -09	ROOF VENTS FOR BLDGS 9 & HYDROGEN FAC.	49	-0.800	12.000	154.000	-0.067	-0.005	DPM/100 cm^2	038
29 -10	ROOF VENTS FOR BLDGS 4,8,10,11& FIREHALL	36	0.430	12.000	154.000	0.036	0.003	DPM/100 cm^2	038
** Subtotal **		4880							

TABLE 20
COMPARISON OF AVERAGE RESULTS WITH MDA VALUES

LOCATION CODE	LOCATION DESCRIPTION	NUMBER OF SURVEY POINTS	AVERAGE VALUE	MINIMUM VALUE FOR MDA	MAXIMUM VALUE FOR MDA	RATIO OF AVERAGE TO LOW MDA VALUE	RATIO OF AVERAGE TO HIGH MDA VALUE	UNITS FOR ALL VALUES	REPORT NUMBER
** SURVEY TYPE = MAXIMUM - ALPHA SCAN OF SURFACE NEAR SURVEY POINT									
09 -01	BUILDING 9, PIT	60	32.600	500.000	1000.000	0.065	0.033	DPM/100 cm^2	016
27 -01	MONITORED DRAIN LINE PIT BEHIND BLDG. 5	20	-40.040	500.000	1000.000	-0.080	-0.040	DPM/100 cm^2	008
** Subtotal **		80							

TABLE 20
COMPARISON OF AVERAGE RESULTS WITH MDA VALUES

LOCATION CODE	LOCATION DESCRIPTION	NUMBER OF SURVEY POINTS	AVERAGE VALUE	MINIMUM VALUE FOR MDA	MAXIMUM VALUE FOR MDA	RATIO OF AVERAGE TO LOW MDA VALUE	RATIO OF AVERAGE TO HIGH MDA VALUE	UNITS FOR ALL VALUES	REPORT NUMBER
** SURVEY TYPE = AVERAGE - ALPHA SCAN OF SURFACE NEAR SURVEY POINT									
09 -01	BUILDING 9, PIT	60	5.000	500.000	1000.000	0.010	0.005	DPM/100 cm^2	016
27 -01	MONITORED DRAIN LINE PIT BEHIND BLDG. 5	20	-42.070	500.000	1000.000	-0.084	-0.042	DPM/100 cm^2	008
** Subtotal **		80							
*** Total ***		35170							

TABLE 21
COMPARISON OF MAXIMUM RESULTS WITH MDA VALUES

LOCATION CODE	LOCATION DESCRIPTION	NUMBER OF SURVEY POINTS	MAXIMUM VALUE	MINIMUM VALUE FOR MDA	MAXIMUM VALUE FOR MDA	RATIO OF MAXIMUM TO LOW MDA VALUE	RATIO OF MAXIMUM TO HIGH MDA VALUE	UNITS FOR ALL VALUES	REPORT NUMBER
** SURVEY TYPE = GAMMA DOSERATE AT 1 METER FROM SURFACE									
01 -01	BUILDING 5, FIRST FLOOR	41	17.000	14.750	14.750	1.153	1.153	MicroR/hour	034
01 -03	BUILDING 5, FIRST FLOOR	38	14.000	14.750	14.750	0.949	0.949	MicroR/hour	034
01 -04	BUILDING 5, FIRST FLOOR	23	15.000	14.750	14.750	1.017	1.017	MicroR/hour	034
01 -06	BUILDING 5, FIRST FLOOR	35	14.000	14.750	14.750	0.949	0.949	MicroR/hour	034
01 -07	BUILDING 5, FIRST FLOOR	30	15.000	14.750	14.750	1.017	1.017	MicroR/hour	034
01 -08	BUILDING 5, FIRST FLOOR	30	15.000	14.750	14.750	1.017	1.017	MicroR/hour	034
01 -09	BUILDING 5, FIRST FLOOR	33	12.000	14.750	14.750	0.814	0.814	MicroR/hour	034
01 -10	BUILDING 5, FIRST FLOOR	37	18.000	14.750	14.750	1.220	1.220	MicroR/hour	034
01 -13	BUILDING 5, FIRST FLOOR	27	14.000	14.750	14.750	0.949	0.949	MicroR/hour	034
02 -01	BUILDING 5, SECOND FLOOR	20	13.000	14.750	14.750	0.881	0.881	MicroR/hour	023
02 -02	BUILDING 5, SECOND FLOOR	34	17.000	14.750	14.750	1.153	1.153	MicroR/hour	023
02 -03	BUILDING 5, SECOND FLOOR	13	14.000	14.750	14.750	0.949	0.949	MicroR/hour	023
02 -04	BUILDING 5, SECOND FLOOR	30	15.000	14.750	14.750	1.017	1.017	MicroR/hour	023
03 -01	BUILDING 5, THIRD FLOOR	34	15.000	14.750	14.750	1.017	1.017	MicroR/hour	024
04 -01	BUILDING 6, FIRST FLOOR	20	10.000	14.750	14.750	0.678	0.678	MicroR/hour	017
04 -02	BUILDING 6, FIRST FLOOR	30	9.000	14.750	14.750	0.610	0.610	MicroR/hour	017
04 -03	BUILDING 6, FIRST FLOOR	28	18.000	14.750	14.750	1.220	1.220	MicroR/hour	017
04 -04	BUILDING 6, FIRST FLOOR	22	30.000	14.750	14.750	2.034	2.034	MicroR/hour	017
04 -05	BUILDING 6, FIRST FLOOR	23	13.000	14.750	14.750	0.881	0.881	MicroR/hour	017
05 -01	BUILDING 6, SECOND FLOOR	26	18.000	14.750	14.750	1.220	1.220	MicroR/hour	019
05 -02	BUILDING 6, SECOND FLOOR	10	8.000	14.750	14.750	0.542	0.542	MicroR/hour	019
06 -01	BUILDING 6A	39	13.000	14.750	14.750	0.881	0.881	MicroR/hour	014
06 -02	BUILDING 6A	28	11.000	14.750	14.750	0.746	0.746	MicroR/hour	014
06 -03	BUILDING 6A	22	10.000	14.750	14.750	0.678	0.678	MicroR/hour	014
07 -01	BUILDING 7, FIRST FLOOR	22	14.000	14.750	14.750	0.949	0.949	MicroR/hour	012
07 -02	BUILDING 7, FIRST FLOOR	30	11.000	14.750	14.750	0.746	0.746	MicroR/hour	012
07 -03	BUILDING 7, FIRST FLOOR	30	11.000	14.750	14.750	0.746	0.746	MicroR/hour	012
07 -04	BUILDING 7, FIRST FLOOR	24	15.000	14.750	14.750	1.017	1.017	MicroR/hour	012
07 -05	BUILDING 7, FIRST FLOOR	29	12.000	14.750	14.750	0.814	0.814	MicroR/hour	012
07 -06	BUILDING 7, FIRST FLOOR	6	16.000	14.750	14.750	1.085	1.085	MicroR/hour	012

TABLE 21
COMPARISON OF MAXIMUM RESULTS WITH MDA VALUES

LOCATION CODE	LOCATION DESCRIPTION	NUMBER OF SURVEY POINTS	MAXIMUM VALUE	MINIMUM VALUE FOR MDA	MAXIMUM VALUE FOR MDA	RATIO OF MAXIMUM TO LOW MDA VALUE	RATIO OF MAXIMUM TO HIGH MDA VALUE	UNITS FOR ALL VALUES	REPORT NUMBER
08 -01	BUILDING 8A, FIRST FLOOR	43	14.000	14.750	14.750	0.949	0.949	MicroR/hour	035
08 -02	BUILDING 8A, FIRST FLOOR	25	12.000	14.750	14.750	0.814	0.814	MicroR/hour	035
08 -03	BUILDING 8A, FIRST FLOOR	28	20.000	14.750	14.750	1.356	1.356	MicroR/hour	035
08 -04	BUILDING 8A, FIRST FLOOR	19	11.000	14.750	14.750	0.746	0.746	MicroR/hour	035
08 -05	BUILDING 8A, FIRST FLOOR	40	15.000	14.750	14.750	1.017	1.017	MicroR/hour	035
08 -06	BUILDING 8A, FIRST FLOOR, SPECIAL GRIDS	83	17.000	14.750	14.750	1.153	1.153	MicroR/hour	035
09 -01	BUILDING 9, PIT	60	8.200	14.750	14.750	0.556	0.556	MicroR/hour	016
10 -01	BUILDING 9, FIRST FLOOR, EXT. STORAGE	14	15.000	14.750	14.750	1.017	1.017	MicroR/hour	020
10 -02	BUILDING 9, FIRST FLOOR	17	12.000	14.750	14.750	0.814	0.814	MicroR/hour	020
10 -03	BUILDING 9, FIRST FLOOR	22	13.000	14.750	14.750	0.881	0.881	MicroR/hour	020
10 -04	BUILDING 9, FIRST FLOOR	29	11.000	14.750	14.750	0.746	0.746	MicroR/hour	020
10 -05	BUILDING 9, FIRST FLOOR	18	11.000	14.750	14.750	0.746	0.746	MicroR/hour	020
10 -06	BUILDING 9, FIRST FLOOR	26	12.000	14.750	14.750	0.814	0.814	MicroR/hour	020
10 -08	BUILDING 9, FIRST FLOOR	14	10.000	14.750	14.750	0.678	0.678	MicroR/hour	020
10 -09	BUILDING 9, FIRST FLOOR	20	12.000	14.750	14.750	0.814	0.814	MicroR/hour	020
10 -10	BUILDING 9, FIRST FLOOR	18	13.000	14.750	14.750	0.881	0.881	MicroR/hour	020
10 -11	BUILDING 9, FIRST FLOOR	21	13.000	14.750	14.750	0.881	0.881	MicroR/hour	020
10 -12	BUILDING 9, FIRST FLOOR	21	9.000	14.750	14.750	0.610	0.610	MicroR/hour	020
10 -14-1	BUILDING 9 PIPE CHASES - GROUP 1	248	17.000	14.750	14.750	1.153	1.153	MicroR/hour	010
10 -14-2	BUILDING 9 PIPE CHASES - GROUP 2	177	14.000	14.750	14.750	0.949	0.949	MicroR/hour	010
10 -14-3	BUILDING 9 PIPE CHASES - GROUP 3	92	12.000	14.750	14.750	0.814	0.814	MicroR/hour	010
10 -14-4	BUILDING 9 PIPE CHASES - ASSOCIATED PITS	22	12.000	14.750	14.750	0.814	0.814	MicroR/hour	010
11 -01	HYDROGEN FACILITY	41	14.000	14.750	14.750	0.949	0.949	MicroR/hour	033
14 -01	BUILDING 4, BASEMENT	29	16.000	14.750	14.750	1.085	1.085	MicroR/hour	015
14 -02	BUILDING 4, BASEMENT	8	13.000	14.750	14.750	0.881	0.881	MicroR/hour	015
15 -01	BUILDING 4, THIRD FLOOR	16	15.000	14.750	14.750	1.017	1.017	MicroR/hour	029
16 -01	BUILDING 12, FIRST FLOOR	30	15.000	14.750	14.750	1.017	1.017	MicroR/hour	027
27 -01	MONITORED DRAIN LINE PIT BEHIND BLDG. 5	4	8.700	14.750	14.750	0.590	0.590	MicroR/hour	008
28A-01	BUILDING 4, FIRST FLOOR	19	18.000	14.750	14.750	1.220	1.220	MicroR/hour	025
28A-02	BUILDING 4, SECOND FLOOR	32	16.000	14.750	14.750	1.085	1.085	MicroR/hour	025
28B-01	BUILDING 5, FOURTH FLOOR	30	16.000	14.750	14.750	1.085	1.085	MicroR/hour	030

TABLE 21
COMPARISON OF MAXIMUM RESULTS WITH MDA VALUES

LOCATION CODE	LOCATION DESCRIPTION	NUMBER OF SURVEY POINTS	MAXIMUM VALUE	MINIMUM VALUE FOR MDA	MAXIMUM VALUE FOR MDA	RATIO OF MAXIMUM TO LOW MDA VALUE	RATIO OF MAXIMUM TO HIGH MDA VALUE	UNITS FOR ALL VALUES	REPORT NUMBER
28C-01	BUILDING 5A	30	12.000	14.750	14.750	0.814	0.814	MicroR/hour	026
28D-01	BUILDING 7, SECOND FLOOR	27	12.000	14.750	14.750	0.814	0.814	MicroR/hour	013
28E-01	BUILDING 8	30	15.000	14.750	14.750	1.017	1.017	MicroR/hour	011
28F-01	BUILDING 8A, SECOND FLOOR	7	19.000	14.750	14.750	1.288	1.288	MicroR/hour	032
28G-01	BUILDING 9, SECOND FLOOR	36	13.000	14.750	14.750	0.881	0.881	MicroR/hour	022
28H-01	BUILDING 10, FIRST FLOOR	17	18.000	14.750	14.750	1.220	1.220	MicroR/hour	021
28H-02	BUILDING 10, SECOND FLOOR	32	12.000	14.750	14.750	0.814	0.814	MicroR/hour	021
28I-01	BUILDING 11, FIRST FLOOR	36	14.000	14.750	14.750	0.949	0.949	MicroR/hour	018
28I-02	BUILDING 11, SECOND FLOOR	15	15.000	14.750	14.750	1.017	1.017	MicroR/hour	018
28J-01	FIREHALL	10	11.000	14.750	14.750	0.746	0.746	MicroR/hour	031
28K-01	INCINERATOR BUILDING	18	24.000	14.750	14.750	1.627	1.627	MicroR/hour	005
28K-02	INCINERATOR BLDG. - INSIDE INCINERATOR	11	60.000	14.750	14.750	4.068	4.068	MicroR/hour	005
28K-03	INCINERATOR BUILDING - INSIDE CHIMNEY	12	32.000	14.750	14.750	2.169	2.169	MicroR/hour	005
28L-01	BUILDING 12, SECOND FLOOR	25	10.000	14.750	14.750	0.678	0.678	MicroR/hour	028
29 -01	ROOF SURFACE FOR BLDG 5	51	19.000	14.750	14.750	1.288	1.288	MicroR/hour	038
29 -02	ROOF SURFACE FOR BLDGS 6,7&8	31	12.000	14.750	14.750	0.814	0.814	MicroR/hour	038
29 -03	ROOF SURFACE FOR BLDG 8A	45	13.000	14.750	14.750	0.881	0.881	MicroR/hour	038
29 -04	ROOF SURFACE FOR BLDG 9	34	12.000	14.750	14.750	0.814	0.814	MicroR/hour	038
29 -05	ROOF SURFACE FOR HYDROGEN FACILITY	30	12.000	14.750	14.750	0.814	0.814	MicroR/hour	038
29 -06	ROOF SURFACE FOR BLDGS 4,10,11,&FIREHALL	37	17.000	14.750	14.750	1.153	1.153	MicroR/hour	038
29 -09	ROOF VENTS FOR BLDGS 9 & HYDROGEN FAC.	4	8.000	14.750	14.750	0.542	0.542	MicroR/hour	038
** Subtotal **		2618							

TABLE 21
COMPARISON OF MAXIMUM RESULTS WITH MDA VALUES

LOCATION CODE	LOCATION DESCRIPTION	NUMBER OF SURVEY POINTS	MAXIMUM VALUE	MINIMUM VALUE FOR MDA	MAXIMUM VALUE FOR MDA	RATIO OF MAXIMUM TO LOW MDA VALUE	RATIO OF MAXIMUM TO HIGH MDA VALUE	UNITS FOR ALL VALUES	REPORT NUMBER
** SURVEY TYPE = BETA/GAMMA DOSERATE ON CONTACT WITH SURFACE									
01 -01	BUILDING 5, FIRST FLOOR	41	0.020	0.022	0.073	0.909	0.274	MilliRem/hour	034
01 -03	BUILDING 5, FIRST FLOOR	38	0.020	0.022	0.073	0.909	0.274	MilliRem/hour	034
01 -04	BUILDING 5, FIRST FLOOR	23	0.022	0.022	0.073	1.000	0.301	MilliRem/hour	034
01 -06	BUILDING 5, FIRST FLOOR	35	0.020	0.022	0.073	0.909	0.274	MilliRem/hour	034
01 -07	BUILDING 5, FIRST FLOOR	30	0.026	0.022	0.073	1.182	0.356	MilliRem/hour	034
01 -08	BUILDING 5, FIRST FLOOR	30	0.020	0.022	0.073	0.909	0.274	MilliRem/hour	034
01 -09	BUILDING 5, FIRST FLOOR	33	0.020	0.022	0.073	0.909	0.274	MilliRem/hour	034
01 -10	BUILDING 5, FIRST FLOOR	37	0.010	0.022	0.073	0.455	0.137	MilliRem/hour	034
01 -13	BUILDING 5, FIRST FLOOR	27	0.020	0.022	0.073	0.909	0.274	MilliRem/hour	034
02 -01	BUILDING 5, SECOND FLOOR	20	0.020	0.022	0.073	0.909	0.274	MilliRem/hour	023
02 -02	BUILDING 5, SECOND FLOOR	34	0.020	0.022	0.073	0.909	0.274	MilliRem/hour	023
02 -03	BUILDING 5, SECOND FLOOR	13	0.023	0.022	0.073	1.045	0.315	MilliRem/hour	023
02 -04	BUILDING 5, SECOND FLOOR	30	0.020	0.022	0.073	0.909	0.274	MilliRem/hour	023
03 -01	BUILDING 5, THIRD FLOOR	34	0.020	0.022	0.073	0.909	0.274	MilliRem/hour	024
04 -01	BUILDING 6, FIRST FLOOR	20	0.020	0.022	0.073	0.909	0.274	MilliRem/hour	017
04 -02	BUILDING 6, FIRST FLOOR	30	0.010	0.022	0.073	0.455	0.137	MilliRem/hour	017
04 -03	BUILDING 6, FIRST FLOOR	28	0.020	0.022	0.073	0.909	0.274	MilliRem/hour	017
04 -04	BUILDING 6, FIRST FLOOR	22	0.020	0.022	0.073	0.909	0.274	MilliRem/hour	017
04 -05	BUILDING 6, FIRST FLOOR	23	0.020	0.022	0.073	0.909	0.274	MilliRem/hour	017
05 -01	BUILDING 6, SECOND FLOOR	26	0.023	0.022	0.073	1.045	0.315	MilliRem/hour	019
05 -02	BUILDING 6, SECOND FLOOR	10	0.020	0.022	0.073	0.909	0.274	MilliRem/hour	019
06 -01	BUILDING 6A	39	0.021	0.022	0.073	0.955	0.288	MilliRem/hour	014
06 -02	BUILDING 6A	35	0.021	0.022	0.073	0.955	0.288	MilliRem/hour	014
06 -03	BUILDING 6A	22	0.010	0.022	0.073	0.455	0.137	MilliRem/hour	014
07 -01	BUILDING 7, FIRST FLOOR	22	0.020	0.022	0.073	0.909	0.274	MilliRem/hour	012
07 -02	BUILDING 7, FIRST FLOOR	30	0.030	0.022	0.073	1.364	0.411	MilliRem/hour	012
07 -03	BUILDING 7, FIRST FLOOR	30	0.040	0.022	0.073	1.818	0.548	MilliRem/hour	012
07 -04	BUILDING 7, FIRST FLOOR	24	0.022	0.022	0.073	1.000	0.301	MilliRem/hour	012
07 -05	BUILDING 7, FIRST FLOOR	29	0.020	0.022	0.073	0.909	0.274	MilliRem/hour	012
07 -06	BUILDING 7, FIRST FLOOR	6	0.022	0.022	0.073	1.000	0.301	MilliRem/hour	012

TABLE 21
COMPARISON OF MAXIMUM RESULTS WITH MDA VALUES

LOCATION CODE	LOCATION DESCRIPTION	NUMBER OF SURVEY POINTS	MAXIMUM VALUE	MINIMUM VALUE FOR MDA	MAXIMUM VALUE FOR MDA	RATIO OF MAXIMUM TO LOW MDA VALUE	RATIO OF MAXIMUM TO HIGH MDA VALUE	UNITS FOR ALL VALUES	REPORT NUMBER
08 -01	BUILDING 8A, FIRST FLOOR	43	0.019	0.022	0.073	0.864	0.260	MilliRem/hour	035
08 -02	BUILDING 8A, FIRST FLOOR	25	0.018	0.022	0.073	0.818	0.247	MilliRem/hour	035
08 -03	BUILDING 8A, FIRST FLOOR	33	0.018	0.022	0.073	0.818	0.247	MilliRem/hour	035
08 -04	BUILDING 8A, FIRST FLOOR	19	0.016	0.022	0.073	0.727	0.219	MilliRem/hour	035
08 -05	BUILDING 8A, FIRST FLOOR	40	0.018	0.022	0.073	0.818	0.247	MilliRem/hour	035
08 -06	BUILDING 8A, FIRST FLOOR, SPECIAL GRIDS	415	0.030	0.022	0.073	1.364	0.411	MilliRem/hour	035
09 -01	BUILDING 9, PIT	59	0.026	0.022	0.073	1.182	0.356	MilliRem/hour	016
10 -01	BUILDING 9, FIRST FLOOR, EXT. STORAGE	14	0.020	0.022	0.073	0.909	0.274	MilliRem/hour	020
10 -02	BUILDING 9, FIRST FLOOR	17	0.018	0.022	0.073	0.818	0.247	MilliRem/hour	020
10 -03	BUILDING 9, FIRST FLOOR	22	0.010	0.022	0.073	0.455	0.137	MilliRem/hour	020
10 -04	BUILDING 9, FIRST FLOOR	41	0.030	0.022	0.073	1.364	0.411	MilliRem/hour	020
10 -05	BUILDING 9, FIRST FLOOR	18	0.010	0.022	0.073	0.455	0.137	MilliRem/hour	020
10 -06	BUILDING 9, FIRST FLOOR	26	0.020	0.022	0.073	0.909	0.274	MilliRem/hour	020
10 -08	BUILDING 9, FIRST FLOOR	14	0.024	0.022	0.073	1.091	0.329	MilliRem/hour	020
10 -09	BUILDING 9, FIRST FLOOR	20	0.021	0.022	0.073	0.955	0.288	MilliRem/hour	020
10 -10	BUILDING 9, FIRST FLOOR	18	0.035	0.022	0.073	1.591	0.479	MilliRem/hour	020
10 -11	BUILDING 9, FIRST FLOOR	21	0.016	0.022	0.073	0.727	0.219	MilliRem/hour	020
10 -12	BUILDING 9, FIRST FLOOR	21	0.017	0.022	0.073	0.773	0.233	MilliRem/hour	020
10 -14-1	BUILDING 9 PIPE CHASES - GROUP 1	248	0.038	0.022	0.073	1.727	0.521	MilliRem/hour	010
10 -14-2	BUILDING 9 PIPE CHASES - GROUP 2	177	0.090	0.022	0.073	4.091	1.233	MilliRem/hour	010
10 -14-3	BUILDING 9 PIPE CHASES - GROUP 3	92	0.030	0.022	0.073	1.364	0.411	MilliRem/hour	010
10 -14-4	BUILDING 9 PIPE CHASES - ASSOCIATED PITS	22	0.030	0.022	0.073	1.364	0.411	MilliRem/hour	010
11 -01	HYDROGEN FACILITY	41	0.020	0.022	0.073	0.909	0.274	MilliRem/hour	033
14 -01	BUILDING 4, BASEMENT	29	0.020	0.022	0.073	0.909	0.274	MilliRem/hour	015
14 -02	BUILDING 4, BASEMENT	8	0.021	0.022	0.073	0.955	0.288	MilliRem/hour	015
15 -01	BUILDING 4, THIRD FLOOR	16	0.020	0.022	0.073	0.909	0.274	MilliRem/hour	029
16 -01	BUILDING 12, FIRST FLOOR	30	0.020	0.022	0.073	0.909	0.274	MilliRem/hour	027
27 -01	MONITORED DRAIN LINE PIT BEHIND BLDG. 5	20	0.020	0.022	0.073	0.909	0.274	MilliRem/hour	008
28A-01	BUILDING 4, FIRST FLOOR	19	0.025	0.022	0.073	1.136	0.342	MilliRem/hour	025
28A-02	BUILDING 4, SECOND FLOOR	32	0.026	0.022	0.073	1.182	0.356	MilliRem/hour	025
28B-01	BUILDING 5, FOURTH FLOOR	30	0.020	0.022	0.073	0.909	0.274	MilliRem/hour	030

TABLE 21
COMPARISON OF MAXIMUM RESULTS WITH MDA VALUES

LOCATION CODE	LOCATION DESCRIPTION	NUMBER OF SURVEY POINTS	MAXIMUM VALUE	MINIMUM VALUE FOR MDA	MAXIMUM VALUE FOR MDA	RATIO OF MAXIMUM TO LOW MDA VALUE	RATIO OF MAXIMUM TO HIGH MDA VALUE	UNITS FOR ALL VALUES	REPORT NUMBER
28C-01	BUILDING 5A	30	0.020	0.022	0.073	0.909	0.274	MilliRem/hou.	026
28D-01	BUILDING 7, SECOND FLOOR	27	0.030	0.022	0.073	1.364	0.411	MilliRem/hour	013
28E-01	BUILDING 8	30	0.030	0.022	0.073	1.364	0.411	MilliRem/hour	011
28F-01	BUILDING 8A, SECOND FLOOR	7	0.023	0.022	0.073	1.045	0.315	MilliRem/hour	032
28G-01	BUILDING 9, SECOND FLOOR	36	0.020	0.022	0.073	0.909	0.274	MilliRem/hour	022
28H-01	BUILDING 10, FIRST FLOOR	17	0.020	0.022	0.073	0.909	0.274	MilliRem/hour	021
28H-02	BUILDING 10, SECOND FLOOR	32	0.020	0.022	0.073	0.909	0.274	MilliRem/hour	021
28I-01	BUILDING 11, FIRST FLOOR	36	0.020	0.022	0.073	0.909	0.274	MilliRem/hour	018
28I-02	BUILDING 11, SECOND FLOOR	15	0.020	0.022	0.073	0.909	0.274	MilliRem/hour	018
28J-01	FIREHALL	10	0.020	0.022	0.073	0.909	0.274	MilliRem/hour	031
28K-01	INCINERATOR BUILDING	18	0.030	0.022	0.073	1.364	0.411	MilliRem/hour	005
28K-02	INCINERATOR BLDG. - INSIDE INCINERATOR	12	0.060	0.022	0.073	2.727	0.822	MilliRem/hour	005
28L-01	BUILDING 12, SECOND FLOOR	25	0.011	0.022	0.073	0.500	0.151	MilliRem/hour	028
29 -01	ROOF SURFACE FOR BLDG 5	51	0.026	0.022	0.073	1.182	0.356	MilliRem/hour	038
29 -02	ROOF SURFACE FOR BLDGS 6,7&8	31	0.020	0.022	0.073	0.909	0.274	MilliRem/hour	038
29 -03	ROOF SURFACE FOR BLDG 8A	45	0.018	0.022	0.073	0.818	0.247	MilliRem/hour	038
29 -04	ROOF SURFACE FOR BLDG 9	34	0.017	0.022	0.073	0.773	0.233	MilliRem/hour	038
29 -05	ROOF SURFACE FOR HYDROGEN FACILITY	30	0.023	0.022	0.073	1.045	0.315	MilliRem/hour	038
29 -06	ROOF SURFACE FOR BLDGS 4,10,11,&FIREHALL	37	0.023	0.022	0.073	.045	0.315	MilliRem/hour	038
29 -09	ROOF VENTS FOR BLDGS 9 & HYDROGEN FAC.	4	0.012	0.022	0.073	0.545	0.164	MilliRem/hour	038
** Subtotal **		2978							

TABLE 21
COMPARISON OF MAXIMUM RESULTS WITH MDA VALUES

LOCATION CODE	LOCATION DESCRIPTION	NUMBER OF SURVEY POINTS	MAXIMUM VALUE	MINIMUM VALUE FOR MDA	MAXIMUM VALUE FOR MDA	RATIO OF MAXIMUM TO LOW MDA VALUE	RATIO OF MAXIMUM TO HIGH MDA VALUE	UNITS FOR ALL VALUES	REPORT NUMBER
** SURVEY TYPE = MAXIMUM - BETA SCAN OF SURFACE NEAR SURVEY POINT									
01 -01	BUILDING 5, FIRST FLOOR	74	797.300	800.000	1300.000	0.997	0.613	DPM/100 cm^2	034
01 -03	BUILDING 5, FIRST FLOOR	69	621.900	800.000	1300.000	0.777	0.478	DPM/100 cm^2	034
01 -04	BUILDING 5, FIRST FLOOR	72	2182.400	800.000	1300.000	2.728	1.679	DPM/100 cm^2	034
01 -06	BUILDING 5, FIRST FLOOR	35	218.300	800.000	1300.000	0.273	0.168	DPM/100 cm^2	034
01 -07	BUILDING 5, FIRST FLOOR	30	1264.200	800.000	1300.000	1.580	0.972	DPM/100 cm^2	034
01 -08	BUILDING 5, FIRST FLOOR	65	1207.900	800.000	1300.000	1.510	0.929	DPM/100 cm^2	034
01 -09	BUILDING 5, FIRST FLOOR	63	616.900	800.000	1300.000	0.771	0.475	DPM/100 cm^2	034
01 -10	BUILDING 5, FIRST FLOOR	37	712.100	800.000	1300.000	0.890	0.548	DPM/100 cm^2	034
01 -13	BUILDING 5, FIRST FLOOR	31	340.500	800.000	1300.000	0.426	0.262	DPM/100 cm^2	034
01 -14	BUILDING 5, UPPER SURFACES, UNITS 6 & 10	60	797.300	800.000	1300.000	0.997	0.613	DPM/100 cm^2	034
02 -01	BUILDING 5, SECOND FLOOR	62	817.700	800.000	1300.000	1.022	0.629	DPM/100 cm^2	023
02 -02	BUILDING 5, SECOND FLOOR	64	1164.000	800.000	1300.000	1.455	0.895	DPM/100 cm^2	023
02 -03	BUILDING 5, SECOND FLOOR	30	753.700	800.000	1300.000	0.942	0.580	DPM/100 cm^2	023
02 -04	BUILDING 5, SECOND FLOOR	61	1236.800	800.000	1300.000	1.546	0.951	DPM/100 cm^2	023
03 -01	BUILDING 5, THIRD FLOOR	64	934.100	800.000	1300.000	1.168	0.719	DPM/100 cm^2	024
04 -01	BUILDING 6, FIRST FLOOR	71	910.800	800.000	1300.000	1.138	0.701	DPM/100 cm^2	017
04 -02	BUILDING 6, FIRST FLOOR	64	675.100	800.000	1300.000	0.844	0.519	DPM/100 cm^2	017
04 -03	BUILDING 6, FIRST FLOOR	63	704.200	800.000	1300.000	0.880	0.542	DPM/100 cm^2	017
04 -04	BUILDING 6, FIRST FLOOR	68	695.500	800.000	1300.000	0.869	0.535	DPM/100 cm^2	017
04 -05	BUILDING 6, FIRST FLOOR	91	680.900	800.000	1300.000	0.851	0.524	DPM/100 cm^2	017
04 -06	BUILDING 6, VENTILATION SYSTEMS	9	628.600	800.000	1300.000	0.786	0.484	DPM/100 cm^2	017
05 -01	BUILDING 6, SECOND FLOOR	74	1820.800	800.000	1300.000	2.276	1.401	DPM/100 cm^2	019
05 -02	BUILDING 6, SECOND FLOOR	60	701.300	800.000	1300.000	0.877	0.539	DPM/100 cm^2	019
06 -01	BUILDING 6A	86	748.800	800.000	1300.000	0.936	0.576	DPM/100 cm^2	014
06 -02	BUILDING 6A	67	710.400	800.000	1300.000	0.888	0.546	DPM/100 cm^2	014
06 -03	BUILDING 6A	60	1046.400	800.000	1300.000	1.308	0.805	DPM/100 cm^2	014
07 -01	BUILDING 7, FIRST FLOOR	70	921.600	800.000	1300.000	1.152	0.709	DPM/100 cm^2	012
07 -02	BUILDING 7, FIRST FLOOR	60	262.300	800.000	1300.000	0.328	0.202	DPM/100 cm^2	012
07 -03	BUILDING 7, FIRST FLOOR	70	67.200	800.000	1300.000	0.084	0.052	DPM/100 cm^2	012
07 -04	BUILDING 7, FIRST FLOOR	60	480.000	800.000	1300.000	0.600	0.369	DPM/100 cm^2	012

TABLE 21
COMPARISON OF MAXIMUM RESULTS WITH MDA VALUES

LOCATION CODE	LOCATION DESCRIPTION	NUMBER OF SURVEY POINTS	MAXIMUM VALUE	MINIMUM VALUE FOR MDA	MAXIMUM VALUE FOR MDA	RATIO OF MAXIMUM TO LOW MDA VALUE	RATIO OF MAXIMUM TO HIGH MDA VALUE	UNITS FOR ALL VALUES	REPORT NUMBER
07 -05	BUILDING 7, FIRST FLOOR	61	316.800	800.000	1300.000	0.396	0.244	DPM/100 cm^2	012
07 -06	BUILDING 7, FIRST FLOOR	67	745.600	800.000	1300.000	0.932	0.574	DPM/100 cm^2	012
08 -01	BUILDING 8A, FIRST FLOOR	99	850.700	800.000	1300.000	1.063	0.654	DPM/100 cm^2	035
08 -02	BUILDING 8A, FIRST FLOOR	76	465.000	800.000	1300.000	0.581	0.358	DPM/100 cm^2	035
08 -03	BUILDING 8A, FIRST FLOOR	63	1338.400	800.000	1300.000	1.673	1.030	DPM/100 cm^2	035
08 -04	BUILDING 8A, FIRST FLOOR	61	579.100	800.000	1300.000	0.724	0.445	DPM/100 cm^2	035
08 -05	BUILDING 8A, FIRST FLOOR	73	1072.500	800.000	1300.000	1.341	0.825	DPM/100 cm^2	035
09 -01	BUILDING 9, PIT	113	436.500	800.000	1300.000	0.546	0.336	DPM/100 cm^2	016
10 -01	BUILDING 9, FIRST FLOOR, EXT. STORAGE	30	811.900	800.000	1300.000	1.015	0.625	DPM/100 cm^2	020
10 -02	BUILDING 9, FIRST FLOOR	68	537.600	800.000	1300.000	0.672	0.414	DPM/100 cm^2	020
10 -03	BUILDING 9, FIRST FLOOR	62	752.000	800.000	1300.000	0.940	0.578	DPM/100 cm^2	020
10 -04	BUILDING 9, FIRST FLOOR	79	909.800	800.000	1300.000	1.137	0.700	DPM/100 cm^2	020
10 -05	BUILDING 9, FIRST FLOOR	61	657.700	800.000	1300.000	0.822	0.506	DPM/100 cm^2	020
10 -06	BUILDING 9, FIRST FLOOR	60	428.800	800.000	1300.000	0.536	0.330	DPM/100 cm^2	020
10 -08	BUILDING 9, FIRST FLOOR	66	692.600	800.000	1300.000	0.866	0.533	DPM/100 cm^2	020
10 -09	BUILDING 9, FIRST FLOOR	69	442.300	800.000	1300.000	0.553	0.340	DPM/100 cm^2	020
10 -10	BUILDING 9, FIRST FLOOR	61	851.200	800.000	1300.000	1.064	0.655	DPM/100 cm^2	020
10 -11	BUILDING 9, FIRST FLOOR	62	1152.000	800.000	1300.000	1.440	0.886	DPM/100 cm^2	020
10 -12	BUILDING 9, FIRST FLOOR	64	832.300	800.000	1300.000	1.040	0.640	DPM/100 cm^2	020
10 -14-1	BUILDING 9 PIPE CHASES - GROUP 1	251	4363.000	800.000	1300.000	5.454	3.356	DPM/100 cm^2	010
10 -14-2	BUILDING 9 PIPE CHASES - GROUP 2	177	3880.600	800.000	1300.000	4.851	2.985	DPM/100 cm^2	010
10 -14-3	BUILDING 9 PIPE CHASES - GROUP 3	92	1262.300	800.000	1300.000	1.578	0.971	DPM/100 cm^2	010
10 -14-4	BUILDING 9 PIPE CHASES - ASSOCIATED PITS	22	661.960	800.000	1300.000	0.827	0.509	DPM/100 cm^2	010
11 -01	HYDROGEN FACILITY	94	1213.700	800.000	1300.000	1.517	0.934	DPM/100 cm^2	033
14 -01	BUILDING 4, BASEMENT	29	904.600	800.000	1300.000	1.131	0.696	DPM/100 cm^2	015
14 -02	BUILDING 4, BASEMENT	31	432.000	800.000	1300.000	0.540	0.332	DPM/100 cm^2	015
15 -01	BUILDING 4, THIRD FLOOR	30	663.500	800.000	1300.000	0.829	0.510	DPM/100 cm^2	029
16 -01	BUILDING 12, FIRST FLOOR	30	213.500	800.000	1300.000	0.267	0.164	DPM/100 cm^2	027
27 -01	MONITORED DRAIN LINE PIT BEHIND BLDG. 5	20	1490.080	800.000	1300.000	1.863	1.146	DPM/100 cm^2	008
28A-01	BUILDING 4, FIRST FLOOR	48	1488.700	800.000	1300.000	1.861	1.145	DPM/100 cm^2	025
28A-02	BUILDING 4, SECOND FLOOR	32	1474.400	800.000	1300.000	1.843	1.134	DPM/100 cm^2	025

TABLE 21
COMPARISON OF MAXIMUM RESULTS WITH MDA VALUES

LOCATION CODE	LOCATION DESCRIPTION	NUMBER OF SURVEY POINTS	MAXIMUM VALUE	MINIMUM VALUE FOR MDA	MAXIMUM VALUE FOR MDA	RATIO OF MAXIMUM TO LOW MDA VALUE	RATIO OF MAXIMUM TO HIGH MDA VALUE	UNITS FOR ALL VALUES	REPORT NUMBER
28B-01	BUILDING 5, FOURTH FLOOR	30	184.700	800.000	1300.000	0.231	0.142	DPM/100 cm^2	030
28C-01	BUILDING 5A	30	289.400	800.000	1300.000	0.362	0.223	DPM/100 cm^2	026
28D-01	BUILDING 7, SECOND FLOOR	30	333.800	800.000	1300.000	0.417	0.257	DPM/100 cm^2	013
28E-01	BUILDING 8	52	1043.000	800.000	1300.000	1.304	0.802	DPM/100 cm^2	011
28F-01	BUILDING 8A, SECOND FLOOR	36	2170.900	800.000	1300.000	2.714	1.670	DPM/100 cm^2	032
28G-01	BUILDING 9, SECOND FLOOR	36	274.200	800.000	1300.000	0.343	0.211	DPM/100 cm^2	022
28H-01	BUILDING 10, FIRST FLOOR	35	368.800	800.000	1300.000	0.461	0.284	DPM/100 cm^2	021
28H-02	BUILDING 10, SECOND FLOOR	32	300.600	800.000	1300.000	0.376	0.231	DPM/100 cm^2	021
28I-01	BUILDING 11, FIRST FLOOR	36	203.900	800.000	1300.000	0.255	0.157	DPM/100 cm^2	018
28I-02	BUILDING 11, SECOND FLOOR	36	1850.800	800.000	1300.000	2.313	1.424	DPM/100 cm^2	018
28J-01	FIREHALL	30	599.500	800.000	1300.000	0.749	0.461	DPM/100 cm^2	031
28K-01	INCINERATOR BUILDING	18	98.320	800.000	1300.000	0.123	0.076	DPM/100 cm^2	005
28K-02	INCINERATOR BLDG. - INSIDE INCINERATOR	20	3339.280	800.000	1300.000	4.174	2.569	DPM/100 cm^2	005
28K-03	INCINERATOR BUILDING - INSIDE CHIMNEY	8	1125.600	800.000	1300.000	1.407	0.866	DPM/100 cm^2	005
28L-01	BUILDING 12, SECOND FLOOR	30	689.700	800.000	1300.000	0.862	0.531	DPM/100 cm^2	028
29 -01	ROOF SURFACE FOR BLDG 5	51	1774.500	800.000	1300.000	2.218	1.365	DPM/100 cm^2	038
29 -02	ROOF SURFACE FOR BLDGS 6,7&8	31	1123.200	800.000	1300.000	1.404	0.864	DPM/100 cm^2	038
29 -03	ROOF SURFACE FOR BLDG 8A	45	1540.800	800.000	1300.000	1.926	1.185	DPM/100 cm^2	038
29 -04	ROOF SURFACE FOR BLDG 9	34	1015.200	800.000	1300.000	1.269	0.781	DPM/100 cm^2	038
29 -05	ROOF SURFACE FOR HYDROGEN FACILITY	30	1594.800	800.000	1300.000	1.994	1.227	DPM/100 cm^2	038
29 -06	ROOF SURFACE FOR BLDGS 4,10,11,&FIREHALL	37	1131.000	800.000	1300.000	1.414	0.870	DPM/100 cm^2	038
29 -09	ROOF VENTS FOR BLDGS 9 & HYDROGEN FAC.	18	489.600	800.000	1300.000	0.612	0.377	DPM/100 cm^2	038
** Subtotal **		4646							

TABLE 21
COMPARISON OF MAXIMUM RESULTS WITH MDA VALUES

LOCATION CODE	LOCATION DESCRIPTION	NUMBER OF SURVEY POINTS	MAXIMUM VALUE	MINIMUM VALUE FOR MDA	MAXIMUM VALUE FOR MDA	RATIO OF MAXIMUM TO LOW MDA VALUE	RATIO OF MAXIMUM TO HIGH MDA VALUE	UNITS FOR ALL VALUES	REPORT NUMBER
** SURVEY TYPE = AVERAGE - BETA SCAN OF SURFACE NEAR SURVEY POINT									
01 -01	BUILDING 5, FIRST FLOOR	74	547.100	800.000	1300.000	0.684	0.421	DPM/100 cm^2	034
01 -03	BUILDING 5, FIRST FLOOR	69	282.700	800.000	1300.000	0.353	0.217	DPM/100 cm^2	034
01 -04	BUILDING 5, FIRST FLOOR	72	1952.000	800.000	1300.000	2.440	1.502	DPM/100 cm^2	034
01 -06	BUILDING 5, FIRST FLOOR	35	153.500	800.000	1300.000	0.192	0.118	DPM/100 cm^2	034
01 -07	BUILDING 5, FIRST FLOOR	30	941.700	800.000	1300.000	1.177	0.724	DPM/100 cm^2	034
01 -08	BUILDING 5, FIRST FLOOR	65	472.100	800.000	1300.000	0.590	0.363	DPM/100 cm^2	034
01 -09	BUILDING 5, FIRST FLOOR	63	462.700	800.000	1300.000	0.578	0.356	DPM/100 cm^2	034
01 -10	BUILDING 5, FIRST FLOOR	37	304.400	800.000	1300.000	0.380	0.234	DPM/100 cm^2	034
01 -13	BUILDING 5, FIRST FLOOR	31	200.800	800.000	1300.000	0.251	0.154	DPM/100 cm^2	034
01 -14	BUILDING 5, UPPER SURFACES, UNITS 6 & 10	60	480.200	800.000	1300.000	0.600	0.369	DPM/100 cm^2	034
02 -01	BUILDING 5, SECOND FLOOR	62	518.000	800.000	1300.000	0.647	0.398	DPM/100 cm^2	023
02 -02	BUILDING 5, SECOND FLOOR	64	689.700	800.000	1300.000	0.862	0.531	DPM/100 cm^2	023
02 -03	BUILDING 5, SECOND FLOOR	30	464.000	800.000	1300.000	0.580	0.357	DPM/100 cm^2	023
02 -04	BUILDING 5, SECOND FLOOR	61	759.500	800.000	1300.000	0.949	0.584	DPM/100 cm^2	023
03 -01	BUILDING 5, THIRD FLOOR	64	416.100	800.000	1300.000	0.520	0.320	DPM/100 cm^2	024
04 -01	BUILDING 6, FIRST FLOOR	71	622.700	800.000	1300.000	0.778	0.479	DPM/100 cm^2	017
04 -02	BUILDING 6, FIRST FLOOR	64	413.200	800.000	1300.000	0.516	0.318	DPM/100 cm^2	017
04 -03	BUILDING 6, FIRST FLOOR	63	454.000	800.000	1300.000	0.568	0.349	DPM/100 cm^2	017
04 -04	BUILDING 6, FIRST FLOOR	68	442.300	800.000	1300.000	0.553	0.340	DPM/100 cm^2	017
04 -05	BUILDING 6, FIRST FLOOR	91	331.700	800.000	1300.000	0.415	0.255	DPM/100 cm^2	017
04 -06	BUILDING 6, VENTILATION SYSTEMS	9	276.500	800.000	1300.000	0.346	0.213	DPM/100 cm^2	017
05 -01	BUILDING 6, SECOND FLOOR	74	1532.800	800.000	1300.000	1.916	1.179	DPM/100 cm^2	019
05 -02	BUILDING 6, SECOND FLOOR	60	456.900	800.000	1300.000	0.571	0.351	DPM/100 cm^2	019
06 -01	BUILDING 6A	86	380.800	800.000	1300.000	0.476	0.293	DPM/100 cm^2	014
06 -02	BUILDING 6A	67	326.400	800.000	1300.000	0.408	0.251	DPM/100 cm^2	014
06 -03	BUILDING 6A	60	438.400	800.000	1300.000	0.548	0.337	DPM/100 cm^2	014
07 -01	BUILDING 7, FIRST FLOOR	70	370.800	800.000	1300.000	0.464	0.285	DPM/100 cm^2	012
07 -02	BUILDING 7, FIRST FLOOR	60	201.500	800.000	1300.000	0.252	0.155	DPM/100 cm^2	012
07 -03	BUILDING 7, FIRST FLOOR	70	-16.000	800.000	1300.000	-0.020	-0.012	DPM/100 cm^2	012
07 -04	BUILDING 7, FIRST FLOOR	60	371.200	800.000	1300.000	0.464	0.286	DPM/100 cm^2	012

TABLE 21
COMPARISON OF MAXIMUM RESULTS WITH MDA VALUES

LOCATION CODE	LOCATION DESCRIPTION	NUMBER OF SURVEY POINTS	MAXIMUM VALUE	MINIMUM VALUE FOR MDA	MAXIMUM VALUE FOR MDA	RATIO OF MAXIMUM TO LOW MDA VALUE	RATIO OF MAXIMUM TO HIGH MDA VALUE	UNITS FOR ALL VALUES	REPORT NUMBER
07 -05	BUILDING 7, FIRST FLOOR	61	198.400	800.000	1300.000	0.248	0.153	DPM/100 cm^2	012
07 -06	BUILDING 7, FIRST FLOOR	67	524.800	800.000	1300.000	0.656	0.404	DPM/100 cm^2	012
08 -01	BUILDING 8A, FIRST FLOOR	99	327.600	800.000	1300.000	0.410	0.252	DPM/100 cm^2	035
08 -02	BUILDING 8A, FIRST FLOOR	76	249.600	800.000	1300.000	0.312	0.192	DPM/100 cm^2	035
08 -03	BUILDING 8A, FIRST FLOOR	63	1238.500	800.000	1300.000	1.548	0.953	DPM/100 cm^2	035
08 -04	BUILDING 8A, FIRST FLOOR	61	275.800	800.000	1300.000	0.345	0.212	DPM/100 cm^2	035
08 -05	BUILDING 8A, FIRST FLOOR	73	635.700	800.000	1300.000	0.795	0.489	DPM/100 cm^2	035
09 -01	BUILDING 9, PIT	113	177.500	800.000	1300.000	0.222	0.137	DPM/100 cm^2	016
10 -01	BUILDING 9, FIRST FLOOR, EXT. STORAGE	30	550.000	800.000	1300.000	0.688	0.423	DPM/100 cm^2	020
10 -02	BUILDING 9, FIRST FLOOR	68	467.200	800.000	1300.000	0.584	0.359	DPM/100 cm^2	020
10 -03	BUILDING 9, FIRST FLOOR	62	326.400	800.000	1300.000	0.408	0.251	DPM/100 cm^2	020
10 -04	BUILDING 9, FIRST FLOOR	79	284.800	800.000	1300.000	0.356	0.219	DPM/100 cm^2	020
10 -05	BUILDING 9, FIRST FLOOR	61	308.500	800.000	1300.000	0.386	0.237	DPM/100 cm^2	020
10 -06	BUILDING 9, FIRST FLOOR	60	358.400	800.000	1300.000	0.448	0.276	DPM/100 cm^2	020
10 -08	BUILDING 9, FIRST FLOOR	66	404.500	800.000	1300.000	0.506	0.311	DPM/100 cm^2	020
10 -09	BUILDING 9, FIRST FLOOR	69	183.300	800.000	1300.000	0.229	0.141	DPM/100 cm^2	020
10 -10	BUILDING 9, FIRST FLOOR	61	390.400	800.000	1300.000	0.488	0.300	DPM/100 cm^2	020
10 -11	BUILDING 9, FIRST FLOOR	62	864.000	800.000	1300.000	1.080	0.665	DPM/100 cm^2	020
10 -12	BUILDING 9, FIRST FLOOR	64	590.700	800.000	1300.000	0.738	0.454	DPM/100 cm^2	020
10 -14-1	BUILDING 9 PIPE CHASES - GROUP 1	251	2219.000	800.000	1300.000	2.774	1.707	DPM/100 cm^2	010
10 -14-2	BUILDING 9 PIPE CHASES - GROUP 2	177	1200.600	800.000	1300.000	1.501	0.924	DPM/100 cm^2	010
10 -14-3	BUILDING 9 PIPE CHASES - GROUP 3	92	394.000	800.000	1300.000	0.492	0.303	DPM/100 cm^2	010
10 -14-4	BUILDING 9 PIPE CHASES - ASSOCIATED PITS	22	434.160	800.000	1300.000	0.543	0.334	DPM/100 cm^2	010
11 -01	HYDROGEN FACILITY	94	533.300	800.000	1300.000	0.667	0.410	DPM/100 cm^2	033
14 -01	BUILDING 4, BASEMENT	29	596.200	800.000	1300.000	0.745	0.459	DPM/100 cm^2	015
14 -02	BUILDING 4, BASEMENT	31	288.000	800.000	1300.000	0.360	0.222	DPM/100 cm^2	015
15 -01	BUILDING 4, THIRD FLOOR	30	285.200	800.000	1300.000	0.356	0.219	DPM/100 cm^2	029
16 -01	BUILDING 12, FIRST FLOOR	30	157.500	800.000	1300.000	0.197	0.121	DPM/100 cm^2	027
27 -01	MONITORED DRAIN LINE PIT BEHIND BLDG. 5	20	206.360	800.000	1300.000	0.258	0.159	DPM/100 cm^2	008
28A-01	BUILDING 4, FIRST FLOOR	48	1440.900	800.000	1300.000	1.801	1.108	DPM/100 cm^2	025
28A-02	BUILDING 4, SECOND FLOOR	32	1459.100	800.000	1300.000	1.824	1.122	DPM/100 cm^2	025

TABLE 21
COMPARISON OF MAXIMUM RESULTS WITH MDA VALUES

LOCATION CODE	LOCATION DESCRIPTION	NUMBER OF SURVEY POINTS	MAXIMUM VALUE	MINIMUM VALUE FOR MDA	MAXIMUM VALUE FOR MDA	RATIO OF MAXIMUM TO LOW MDA VALUE	RATIO OF MAXIMUM TO HIGH MDA VALUE	UNITS FOR ALL VALUES	REPORT NUMBER
28B-01	BUILDING 5, FOURTH FLOOR	30	119.100	800.000	1300.000	0.149	0.092	DPM/100 cm^2	030
28C-01	BUILDING 5A	30	251.900	800.000	1300.000	0.315	0.194	DPM/100 cm^2	026
28D-01	BUILDING 7, SECOND FLOOR	30	311.800	800.000	1300.000	0.390	0.240	DPM/100 cm^2	013
28E-01	BUILDING 8	52	659.200	800.000	1300.000	0.824	0.507	DPM/100 cm^2	011
28F-01	BUILDING 8A, SECOND FLOOR	36	1618.000	800.000	1300.000	2.022	1.245	DPM/100 cm^2	032
28G-01	BUILDING 9, SECOND FLOOR	36	227.900	800.000	1300.000	0.285	0.175	DPM/100 cm^2	022
28H-01	BUILDING 10, FIRST FLOOR	35	309.100	800.000	1300.000	0.386	0.238	DPM/100 cm^2	021
28H-02	BUILDING 10, SECOND FLOOR	32	243.900	800.000	1300.000	0.305	0.188	DPM/100 cm^2	021
28I-01	BUILDING 11, FIRST FLOOR	36	76.000	800.000	1300.000	0.095	0.058	DPM/100 cm^2	018
28I-02	BUILDING 11, SECOND FLOOR	36	1466.600	800.000	1300.000	1.833	1.128	DPM/100 cm^2	018
28J-01	FIREHALL	30	401.600	800.000	1300.000	0.502	0.309	DPM/100 cm^2	031
28K-01	INCINERATOR BUILDING	18	78.460	800.000	1300.000	0.098	0.060	DPM/100 cm^2	005
28K-02	INCINERATOR BLDG. - INSIDE INCINERATOR	20	2535.280	800.000	1300.000	3.169	1.950	DPM/100 cm^2	005
28K-03	INCINERATOR BUILDING - INSIDE CHIMNEY	8	589.600	800.000	1300.000	0.737	0.454	DPM/100 cm^2	005
28L-01	BUILDING 12, SECOND FLOOR	30	552.900	800.000	1300.000	0.691	0.425	DPM/100 cm^2	028
29 -01	ROOF SURFACE FOR BLDG 5	51	1298.700	800.000	1300.000	1.623	0.999	DPM/100 cm^2	038
29 -02	ROOF SURFACE FOR BLDGS 6,7&8	31	159.900	800.000	1300.000	0.200	0.123	DPM/100 cm^2	038
29 -03	ROOF SURFACE FOR BLDG 8A	45	748.800	800.000	1300.000	0.936	0.576	DPM/100 cm^2	038
29 -04	ROOF SURFACE FOR BLDG 9	34	583.200	800.000	1300.000	0.729	0.449	DPM/100 cm^2	038
29 -05	ROOF SURFACE FOR HYDROGEN FACILITY	30	1335.600	800.000	1300.000	1.669	1.027	DPM/100 cm^2	038
29 -06	ROOF SURFACE FOR BLDGS 4,10,11,&FIREHALL	37	842.400	800.000	1300.000	1.053	0.648	DPM/100 cm^2	038
29 -09	ROOF VENTS FOR BLDGS 9 & HYDROGEN FAC.	18	147.600	800.000	1300.000	0.184	0.114	DPM/100 cm^2	038
** Subtotal **		4646							

TABLE 21
COMPARISON OF MAXIMUM RESULTS WITH MDA VALUES

LOCATION CODE	LOCATION DESCRIPTION	NUMBER OF SURVEY POINTS	MAXIMUM VALUE	MINIMUM VALUE FOR MDA	MAXIMUM VALUE FOR MDA	RATIO OF MAXIMUM TO LOW MDA VALUE	RATIO OF MAXIMUM TO HIGH MDA VALUE	UNITS FOR ALL VALUES	REPORT NUMBER
** SURVEY TYPE = FIXED ALPHA SURVEY AT SURVEY POINT									
01 -01	BUILDING 5, FIRST FLOOR	74	30.300	18.000	21.000	1.683	1.443	DPM/100 cm^2	034
01 -03	BUILDING 5, FIRST FLOOR	69	30.300	18.000	21.000	1.683	1.443	DPM/100 cm^2	034
01 -04	BUILDING 5, FIRST FLOOR	67	243.800	18.000	21.000	13.544	11.610	DPM/100 cm^2	034
01 -06	BUILDING 5, FIRST FLOOR	35	11.000	18.000	21.000	0.611	0.524	DPM/100 cm^2	034
01 -07	BUILDING 5, FIRST FLOOR	29	20.800	18.000	21.000	1.156	0.990	DPM/100 cm^2	034
01 -08	BUILDING 5, FIRST FLOOR	65	30.900	18.000	21.000	1.717	1.471	DPM/100 cm^2	034
01 -09	BUILDING 5, FIRST FLOOR	63	34.600	18.000	21.000	1.922	1.648	DPM/100 cm^2	034
01 -10	BUILDING 5, FIRST FLOOR	37	9.200	18.000	21.000	0.511	0.438	DPM/100 cm^2	034
01 -13	BUILDING 5, FIRST FLOOR	31	17.300	18.000	21.000	0.961	0.824	DPM/100 cm^2	034
01 -14	BUILDING 5, UPPER SURFACES, UNITS 6 & 10	60	30.300	18.000	21.000	1.683	1.443	DPM/100 cm^2	034
02 -01	BUILDING 5, SECOND FLOOR	62	30.300	18.000	21.000	1.683	1.443	DPM/100 cm^2	023
02 -02	BUILDING 5, SECOND FLOOR	64	39.000	18.000	21.000	2.167	1.857	DPM/100 cm^2	023
02 -03	BUILDING 5, SECOND FLOOR	30	43.300	18.000	21.000	2.406	2.062	DPM/100 cm^2	023
02 -04	BUILDING 5, SECOND FLOOR	61	39.000	18.000	21.000	2.167	1.857	DPM/100 cm^2	023
03 -01	BUILDING 5, THIRD FLOOR	64	39.000	18.000	21.000	2.167	1.857	DPM/100 cm^2	024
04 -01	BUILDING 6, FIRST FLOOR	71	99.600	18.000	21.000	5.533	4.743	DPM/100 cm^2	017
04 -02	BUILDING 6, FIRST FLOOR	64	17.300	18.000	21.000	0.961	0.824	DPM/100 cm^2	017
04 -03	BUILDING 6, FIRST FLOOR	63	21.700	18.000	21.000	1.206	1.033	DPM/100 cm^2	017
04 -04	BUILDING 6, FIRST FLOOR	67	21.700	18.000	21.000	1.206	1.033	DPM/100 cm^2	017
04 -05	BUILDING 6, FIRST FLOOR	91	21.700	18.000	21.000	1.206	1.033	DPM/100 cm^2	017
04 -06	BUILDING 6, VENTILATION SYSTEMS	9	13.000	18.000	21.000	0.722	0.619	DPM/100 cm^2	017
05 -01	BUILDING 6, SECOND FLOOR	74	101.200	18.000	21.000	5.622	4.819	DPM/100 cm^2	019
05 -02	BUILDING 6, SECOND FLOOR	60	43.300	18.000	21.000	2.406	2.062	DPM/100 cm^2	019
06 -01	BUILDING 6A	86	24.800	18.000	21.000	1.378	1.181	DPM/100 cm^2	014
06 -02	BUILDING 6A	67	23.000	18.000	21.000	1.278	1.095	DPM/100 cm^2	014
06 -03	BUILDING 6A	60	24.800	18.000	21.000	1.378	1.181	DPM/100 cm^2	014
07 -01	BUILDING 7, FIRST FLOOR	70	23.000	18.000	21.000	1.278	1.095	DPM/100 cm^2	012
07 -02	BUILDING 7, FIRST FLOOR	60	13.800	18.000	21.000	0.767	0.657	DPM/100 cm^2	012
07 -03	BUILDING 7, FIRST FLOOR	70	13.800	18.000	21.000	0.767	0.657	DPM/100 cm^2	012
07 -04	BUILDING 7, FIRST FLOOR	60	27.600	18.000	21.000	1.533	1.314	DPM/100 cm^2	012

TABLE 21
COMPARISON OF MAXIMUM RESULTS WITH MDA VALUES

LOCATION CODE	LOCATION DESCRIPTION	NUMBER OF SURVEY POINTS	MAXIMUM VALUE	MINIMUM VALUE FOR MDA	MAXIMUM VALUE FOR MDA	RATIO OF MAXIMUM TO LOW MDA VALUE	RATIO OF MAXIMUM TO HIGH MDA VALUE	UNITS FOR ALL VALUES	REPORT NUMBER
07 -05	BUILDING 7, FIRST FLOOR	61	13.800	18.000	21.000	0.767	0.657	DPM/100 cm^2	012
07 -06	BUILDING 7, FIRST FLOOR	67	23.000	18.000	21.000	1.278	1.095	DPM/100 cm^2	012
08 -01	BUILDING 8A, FIRST FLOOR	99	15.600	18.000	21.000	0.867	0.743	DPM/100 cm^2	035
08 -02	BUILDING 8A, FIRST FLOOR	76	20.800	18.000	21.000	1.156	0.990	DPM/100 cm^2	035
08 -03	BUILDING 8A, FIRST FLOOR	63	17.300	18.000	21.000	0.961	0.824	DPM/100 cm^2	035
08 -04	BUILDING 8A, FIRST FLOOR	61	21.700	18.000	21.000	1.206	1.033	DPM/100 cm^2	035
08 -05	BUILDING 8A, FIRST FLOOR	73	15.600	18.000	21.000	0.867	0.743	DPM/100 cm^2	035
08 -06	BUILDING 8A, FIRST FLOOR, SPECIAL GRIDS	415	20.500	18.000	21.000	1.139	0.976	DPM/100 cm^2	035
09 -01	BUILDING 9, PIT	113	103.920	18.000	21.000	5.773	4.949	DPM/100 cm^2	016
10 -01	BUILDING 9, FIRST FLOOR, EXT. STORAGE	30	13.000	18.000	21.000	0.722	0.619	DPM/100 cm^2	020
10 -02	BUILDING 9, FIRST FLOOR	68	18.100	18.000	21.000	1.006	0.862	DPM/100 cm^2	020
10 -03	BUILDING 9, FIRST FLOOR	62	18.400	18.000	21.000	1.022	0.876	DPM/100 cm^2	020
10 -04	BUILDING 9, FIRST FLOOR	79	23.000	18.000	21.000	1.278	1.095	DPM/100 cm^2	020
10 -05	BUILDING 9, FIRST FLOOR	61	26.000	18.000	21.000	1.444	1.238	DPM/100 cm^2	020
10 -06	BUILDING 9, FIRST FLOOR	60	14.700	18.000	21.000	0.817	0.700	DPM/100 cm^2	020
10 -08	BUILDING 9, FIRST FLOOR	66	129.900	18.000	21.000	7.217	6.186	DPM/100 cm^2	020
10 -09	BUILDING 9, FIRST FLOOR	69	27.600	18.000	21.000	1.533	1.314	DPM/100 cm^2	020
10 -10	BUILDING 9, FIRST FLOOR	61	21.500	18.000	21.000	1.194	1.024	DPM/100 cm^2	020
10 -11	BUILDING 9, FIRST FLOOR	62	23.000	18.000	21.000	1.278	1.095	DPM/100 cm^2	020
10 -12	BUILDING 9, FIRST FLOOR	64	73.600	18.000	21.000	4.089	3.505	DPM/100 cm^2	020
10 -14-1	BUILDING 9 PIPE CHASES - GROUP 1	251	535.100	18.000	21.000	29.728	25.481	DPM/100 cm^2	010
10 -14-2	BUILDING 9 PIPE CHASES - GROUP 2	177	250.900	18.000	21.000	13.939	11.948	DPM/100 cm^2	010
10 -14-3	BUILDING 9 PIPE CHASES - GROUP 3	92	29.500	18.000	21.000	1.639	1.405	DPM/100 cm^2	010
10 -14-4	BUILDING 9 PIPE CHASES - ASSOCIATED PITS	22	25.830	18.000	21.000	1.435	1.230	DPM/100 cm^2	010
11 -01	HYDROGEN FACILITY	98	76.900	18.000	21.000	4.272	3.662	DPM/100 cm^2	033
14 -01	BUILDING 4, BASEMENT	29	13.200	18.000	21.000	0.733	0.629	DPM/100 cm^2	015
14 -02	BUILDING 4, BASEMENT	31	27.600	18.000	21.000	1.533	1.314	DPM/100 cm^2	015
15 -01	BUILDING 4, THIRD FLOOR	30	21.700	18.000	21.000	1.206	1.033	DPM/100 cm^2	029
16 -01	BUILDING 12, FIRST FLOOR	30	15.900	18.000	21.000	0.883	0.757	DPM/100 cm^2	027
27 -01	MONITORED DRAIN LINE PIT BEHIND BLDG. 5	20	4.430	18.000	21.000	0.246	0.211	DPM/100 cm^2	008
28A-01	BUILDING 4, FIRST FLOOR	48	34.600	18.000	21.000	1.922	1.648	DPM/100 cm^2	025

TABLE 21
COMPARISON OF MAXIMUM RESULTS WITH MDA VALUES

LOCATION CODE	LOCATION DESCRIPTION	NUMBER OF SURVEY POINTS	MAXIMUM VALUE	MINIMUM VALUE FOR MDA	MAXIMUM VALUE FOR MDA	RATIO OF MAXIMUM TO LOW MDA VALUE	RATIO OF MAXIMUM TO HIGH MDA VALUE	UNITS FOR ALL VALUES	REPORT NUMBER
28A-02	BUILDING 4, SECOND FLOOR	32	28.200	18.000	21.000	1.567	1.343	DPM/100 cm^2	025
28B-01	BUILDING 5, FOURTH FLOOR	30	24.400	18.000	21.000	1.356	1.162	DPM/100 cm^2	030
28C-01	BUILDING 5A	30	7.300	18.000	21.000	0.406	0.348	DPM/100 cm^2	026
28D-01	BUILDING 7, SECOND FLOOR	30	15.800	18.000	21.000	0.878	0.752	DPM/100 cm^2	013
28E-01	BUILDING 8	52	18.400	18.000	21.000	1.022	0.876	DPM/100 cm^2	011
28F-01	BUILDING 8A, SECOND FLOOR	36	69.300	18.000	21.000	3.850	3.300	DPM/100 cm^2	032
28G-01	BUILDING 9, SECOND FLOOR	36	8.500	18.000	21.000	0.472	0.405	DPM/100 cm^2	022
28H-01	BUILDING 10, FIRST FLOOR	35	29.300	18.000	21.000	1.628	1.395	DPM/100 cm^2	021
28H-02	BUILDING 10, SECOND FLOOR	32	14.700	18.000	21.000	0.817	0.700	DPM/100 cm^2	021
28I-01	BUILDING 11, FIRST FLOOR	36	20.800	18.000	21.000	1.156	0.990	DPM/100 cm^2	018
28I-02	BUILDING 11, SECOND FLOOR	36	69.300	18.000	21.000	3.850	3.300	DPM/100 cm^2	018
28J-01	FIREHALL	30	17.300	18.000	21.000	0.961	0.824	DPM/100 cm^2	031
28K-01	INCINERATOR BUILDING	18	2.510	18.000	21.000	0.139	0.120	DPM/100 cm^2	005
28K-02	INCINERATOR BLDG. - INSIDE INCINERATOR	12	-3.690	18.000	21.000	-0.205	-0.176	DPM/100 cm^2	005
28L-01	BUILDING 12, SECOND FLOOR	30	13.000	18.000	21.000	0.722	0.619	DPM/100 cm^2	028
29 -01	ROOF SURFACE FOR BLDG 5	51	321.300	18.000	21.000	17.850	15.300	DPM/100 cm^2	038
29 -02	ROOF SURFACE FOR BLDGS 6,7&8	31	41.600	18.000	21.000	2.311	1.981	DPM/100 cm^2	038
29 -03	ROOF SURFACE FOR BLDG 8A	45	66.300	18.000	21.000	3.683	3.157	DPM/100 cm^2	038
29 -04	ROOF SURFACE FOR BLDG 9	34	66.300	18.000	21.000	3.683	3.157	DPM/100 cm^2	038
29 -05	ROOF SURFACE FOR HYDROGEN FACILITY	30	132.600	18.000	21.000	7.367	6.314	DPM/100 cm^2	038
29 -06	ROOF SURFACE FOR BLDGS 4,10,11,&FIREHALL	37	51.000	18.000	21.000	2.833	2.429	DPM/100 cm^2	038
29 -07	ROOF VENTS FOR BLDG 5	49	86.700	18.000	21.000	4.817	4.129	DPM/100 cm^2	038
29 -08	ROOF VENTS FOR BLDGS 6,7,&8A	22	188.700	18.000	21.000	10.483	8.986	DPM/100 cm^2	038
29 -09	ROOF VENTS FOR BLDGS 9 & HYDROGEN FAC.	49	255.000	18.000	21.000	14.167	12.143	DPM/100 cm^2	038
29 -10	ROOF VENTS FOR BLDGS 4,8,10,11& FIREHALL	36	295.800	18.000	21.000	16.433	14.086	DPM/100 cm^2	038
** Subtotal **		5180							

TABLE 21
COMPARISON OF MAXIMUM RESULTS WITH MDA VALUES

LOCATION CODE	LOCATION DESCRIPTION	NUMBER OF SURVEY POINTS	MAXIMUM VALUE	MINIMUM VALUE FOR MDA	MAXIMUM VALUE FOR MDA	RATIO OF MAXIMUM TO LOW MDA VALUE	RATIO OF MAXIMUM TO HIGH MDA VALUE	UNITS FOR ALL VALUES	REPORT NUMBER
** SURVEY TYPE = FIXED BETA SURVEY AT SURVEY POINT									
01 -01	BUILDING 5, FIRST FLOOR	74	759.500	127.000	269.000	5.980	2.823	DPM/100 cm^2	034
01 -03	BUILDING 5, FIRST FLOOR	69	226.200	127.000	269.000	1.781	0.841	DPM/100 cm^2	034
01 -04	BUILDING 5, FIRST FLOOR	67	2230.400	127.000	269.000	17.562	8.291	DPM/100 cm^2	034
01 -06	BUILDING 5, FIRST FLOOR	35	131.900	127.000	269.000	1.039	0.490	DPM/100 cm^2	034
01 -07	BUILDING 5, FIRST FLOOR	30	754.000	127.000	269.000	5.937	2.803	DPM/100 cm^2	034
01 -08	BUILDING 5, FIRST FLOOR	65	289.000	127.000	269.000	2.276	1.074	DPM/100 cm^2	034
01 -09	BUILDING 5, FIRST FLOOR	63	509.300	127.000	269.000	4.010	1.893	DPM/100 cm^2	034
01 -10	BUILDING 5, FIRST FLOOR	37	1171.300	127.000	269.000	9.223	4.354	DPM/100 cm^2	034
01 -13	BUILDING 5, FIRST FLOOR	31	104.800	127.000	269.000	0.825	0.390	DPM/100 cm^2	034
01 -14	BUILDING 5, UPPER SURFACES, UNITS 6 & 10	60	672.200	127.000	269.000	5.293	2.499	DPM/100 cm^2	034
02 -01	BUILDING 5, SECOND FLOOR	62	579.100	127.000	269.000	4.560	2.153	DPM/100 cm^2	023
02 -02	BUILDING 5, SECOND FLOOR	64	777.000	127.000	269.000	6.118	2.888	DPM/100 cm^2	023
02 -03	BUILDING 5, SECOND FLOOR	30	604.800	127.000	269.000	4.762	2.248	DPM/100 cm^2	023
02 -04	BUILDING 5, SECOND FLOOR	61	759.500	127.000	269.000	5.980	2.823	DPM/100 cm^2	023
03 -01	BUILDING 5, THIRD FLOOR	64	663.500	127.000	269.000	5.224	2.467	DPM/100 cm^2	024
04 -01	BUILDING 6, FIRST FLOOR	71	611.100	127.000	269.000	4.812	2.272	DPM/100 cm^2	017
04 -02	BUILDING 6, FIRST FLOOR	64	518.000	127.000	269.000	4.079	1.926	DPM/100 cm^2	017
04 -03	BUILDING 6, FIRST FLOOR	63	468.500	127.000	269.000	3.689	1.742	DPM/100 cm^2	017
04 -04	BUILDING 6, FIRST FLOOR	68	453.200	127.000	269.000	3.569	1.685	DPM/100 cm^2	017
04 -05	BUILDING 6, FIRST FLOOR	91	419.000	127.000	269.000	3.299	1.558	DPM/100 cm^2	017
04 -06	BUILDING 6, VENTILATION SYSTEMS	9	145.500	127.000	269.000	1.146	0.541	DPM/100 cm^2	017
05 -01	BUILDING 6, SECOND FLOOR	74	998.400	127.000	269.000	7.861	3.712	DPM/100 cm^2	019
05 -02	BUILDING 6, SECOND FLOOR	60	558.700	127.000	269.000	4.399	2.077	DPM/100 cm^2	019
06 -01	BUILDING 6A	86	761.600	127.000	269.000	5.997	2.831	DPM/100 cm^2	014
06 -02	BUILDING 6A	67	1209.600	127.000	269.000	9.524	4.497	DPM/100 cm^2	014
06 -03	BUILDING 6A	60	486.400	127.000	269.000	3.830	1.808	DPM/100 cm^2	014
07 -01	BUILDING 7, FIRST FLOOR	70	327.000	127.000	269.000	2.575	1.216	DPM/100 cm^2	012
07 -02	BUILDING 7, FIRST FLOOR	60	292.700	127.000	269.000	2.305	1.088	DPM/100 cm^2	012
07 -03	BUILDING 7, FIRST FLOOR	70	-11.400	127.000	269.000	-0.090	-0.042	DPM/100 cm^2	012
07 -04	BUILDING 7, FIRST FLOOR	60	576.000	127.000	269.000	4.535	2.141	DPM/100 cm^2	012

TABLE 21
COMPARISON OF MAXIMUM RESULTS WITH MDA VALUES

LOCATION CODE	LOCATION DESCRIPTION	NUMBER OF SURVEY POINTS	MAXIMUM VALUE	MINIMUM VALUE FOR MDA	MAXIMUM VALUE FOR MDA	RATIO OF MAXIMUM TO LOW MDA VALUE	RATIO OF UNITS FOR MAXIMUM ALL VALUES TO HIGH MDA VALUE	REPORT NUMBER
07 -05	BUILDING 7, FIRST FLOOR	61	243.200	127.000	269.000	1.915	0.904 DPM/100 cm^2	012
07 -06	BUILDING 7, FIRST FLOOR	67	608.000	127.000	269.000	4.787	2.260 DPM/100 cm^2	012
08 -01	BUILDING 8A, FIRST FLOOR	99	382.200	127.000	269.000	3.009	1.421 DPM/100 cm^2	035
08 -02	BUILDING 8A, FIRST FLOOR	76	273.000	127.000	269.000	2.150	1.015 DPM/100 cm^2	035
08 -03	BUILDING 8A, FIRST FLOOR	63	1260.900	127.000	269.000	9.928	4.687 DPM/100 cm^2	035
08 -04	BUILDING 8A, FIRST FLOOR	61	296.600	127.000	269.000	2.335	1.103 DPM/100 cm^2	035
08 -05	BUILDING 8A, FIRST FLOOR	73	682.500	127.000	269.000	5.374	2.537 DPM/100 cm^2	035
08 -06	BUILDING 8A, FIRST FLOOR, SPECIAL GRIDS	415	203.600	127.000	269.000	1.603	0.757 DPM/100 cm^2	035
09 -01	BUILDING 9, PIT	113	194.970	127.000	269.000	1.535	0.725 DPM/100 cm^2	016
10 -01	BUILDING 9, FIRST FLOOR, EXT. STORAGE	30	523.800	127.000	269.000	4.124	1.947 DPM/100 cm^2	020
10 -02	BUILDING 9, FIRST FLOOR	68	422.400	127.000	269.000	3.326	1.570 DPM/100 cm^2	020
10 -03	BUILDING 9, FIRST FLOOR	62	361.600	127.000	269.000	2.847	1.344 DPM/100 cm^2	020
10 -04	BUILDING 9, FIRST FLOOR	79	320.000	127.000	269.000	2.520	1.190 DPM/100 cm^2	020
10 -05	BUILDING 9, FIRST FLOOR	61	445.200	127.000	269.000	3.506	1.655 DPM/100 cm^2	020
10 -06	BUILDING 9, FIRST FLOOR	60	304.000	127.000	269.000	2.394	1.130 DPM/100 cm^2	020
10 -08	BUILDING 9, FIRST FLOOR	66	509.300	127.000	269.000	4.010	1.893 DPM/100 cm^2	020
10 -09	BUILDING 9, FIRST FLOOR	69	253.200	127.000	269.000	1.994	0.941 DPM/100 cm^2	020
10 -10	BUILDING 9, FIRST FLOOR	61	337.600	127.000	269.000	2.658	1.255 DPM/100 cm^2	020
10 -11	BUILDING 9, FIRST FLOOR	62	921.600	127.000	269.000	7.257	3.426 DPM/100 cm^2	020
10 -12	BUILDING 9, FIRST FLOOR	64	704.200	127.000	269.000	5.545	2.618 DPM/100 cm^2	020
10 -14-1	BUILDING 9 PIPE CHASES - GROUP 1	251	3934.200	127.000	269.000	30.978	14.625 DPM/100 cm^2	010
10 -14-2	BUILDING 9 PIPE CHASES - GROUP 2	177	1173.800	127.000	269.000	9.243	4.364 DPM/100 cm^2	010
10 -14-3	BUILDING 9 PIPE CHASES - GROUP 3	92	375.200	127.000	269.000	2.954	1.395 DPM/100 cm^2	010
10 -14-4	BUILDING 9 PIPE CHASES - ASSOCIATED PITS	22	557.440	127.000	269.000	4.389	2.072 DPM/100 cm^2	010
11 -01	HYDROGEN FACILITY	98	889.200	127.000	269.000	7.002	3.306 DPM/100 cm^2	033
14 -01	BUILDING 4, BASEMENT	29	652.800	127.000	269.000	5.140	2.427 DPM/100 cm^2	015
14 -02	BUILDING 4, BASEMENT	31	387.200	127.000	269.000	3.049	1.439 DPM/100 cm^2	015
15 -01	BUILDING 4, THIRD FLOOR	30	480.200	127.000	269.000	3.781	1.785 DPM/100 cm^2	029
16 -01	BUILDING 12, FIRST FLOOR	30	202.300	127.000	269.000	1.593	0.752 DPM/100 cm^2	027
27 -01	MONITORED DRAIN LINE PIT BEHIND BLDG. 5	20	353.760	127.000	269.000	2.786	1.315 DPM/100 cm^2	008
28A-01	BUILDING 4, FIRST FLOOR	48	1460.700	127.000	269.000	11.502	5.430 DPM/100 cm^2	025

TABLE 21
COMPARISON OF MAXIMUM RESULTS WITH MDA VALUES

LOCATION CODE	LOCATION DESCRIPTION	NUMBER OF SURVEY POINTS	MAXIMUM VALUE	MINIMUM VALUE FOR MDA	MAXIMUM VALUE FOR MDA	RATIO OF MAXIMUM TO LOW MDA VALUE	RATIO OF MAXIMUM TO HIGH MDA VALUE	UNITS FOR ALL VALUES	REPORT NUMBER
28A-02	BUILDING 4, SECOND FLOOR	32	1482.000	127.000	269.000	11.669	5.509	DPM/100 cm^2	025
28B-01	BUILDING 5, FOURTH FLOOR	30	116.700	127.000	269.000	0.919	0.434	DPM/100 cm^2	030
28C-01	BUILDING 5A	30	250.300	127.000	269.000	1.971	0.930	DPM/100 cm^2	026
28D-01	BUILDING 7, SECOND FLOOR	30	217.500	127.000	269.000	1.713	0.809	DPM/100 cm^2	013
28E-01	BUILDING 8	52	979.200	127.000	269.000	7.710	3.640	DPM/100 cm^2	011
28F-01	BUILDING 8A, SECOND FLOOR	36	1563.100	127.000	269.000	12.308	5.811	DPM/100 cm^2	032
28G-01	BUILDING 9, SECOND FLOOR	36	298.200	127.000	269.000	2.348	1.109	DPM/100 cm^2	022
28H-01	BUILDING 10, FIRST FLOOR	35	338.200	127.000	269.000	2.663	1.257	DPM/100 cm^2	021
28H-02	BUILDING 10, SECOND FLOOR	32	331.800	127.000	269.000	2.613	1.233	DPM/100 cm^2	021
28I-01	BUILDING 11, FIRST FLOOR	36	96.700	127.000	269.000	0.761	0.359	DPM/100 cm^2	018
28I-02	BUILDING 11, SECOND FLOOR	36	1268.800	127.000	269.000	9.991	4.717	DPM/100 cm^2	018
28J-01	FIREHALL	30	558.700	127.000	269.000	4.399	2.077	DPM/100 cm^2	031
28K-01	INCINERATOR BUILDING	18	40.650	127.000	269.000	0.320	0.151	DPM/100 cm^2	005
28K-02	INCINERATOR BLDG. - INSIDE INCINERATOR	12	2481.680	127.000	269.000	19.541	9.226	DPM/100 cm^2	005
28L-01	BUILDING 12, SECOND FLOOR	30	666.400	127.000	269.000	5.247	2.477	DPM/100 cm^2	028
29 -01	ROOF SURFACE FOR BLDG 5	51	1333.800	127.000	269.000	10.502	4.958	DPM/100 cm^2	038
29 -02	ROOF SURFACE FOR BLDGS 6,7&8	31	471.900	127.000	269.000	3.716	1.754	DPM/100 cm^2	038
29 -03	ROOF SURFACE FOR BLDG 8A	45	943.200	127.000	269.000	7.427	3.506	DPM/100 cm^2	038
29 -04	ROOF SURFACE FOR BLDG 9	34	867.600	127.000	269.000	6.831	3.225	DPM/100 cm^2	038
29 -05	ROOF SURFACE FOR HYDROGEN FACILITY	30	2372.400	127.000	269.000	18.680	8.819	DPM/100 cm^2	038
29 -06	ROOF SURFACE FOR BLDGS 4,10,11,&FIREHALL	37	943.800	127.000	269.000	7.431	3.509	DPM/100 cm^2	038
29 -07	ROOF VENTS FOR BLDG 5	49	218.400	127.000	269.000	1.720	0.812	DPM/100 cm^2	038
29 -08	ROOF VENTS FOR BLDGS 6,7,&8A	22	684.000	127.000	269.000	5.386	2.543	DPM/100 cm^2	038
29 -09	ROOF VENTS FOR BLDGS 9 & HYDROGEN FAC.	49	907.200	127.000	269.000	7.143	3.372	DPM/100 cm^2	038
29 -10	ROOF VENTS FOR BLDGS 4,8,10,11& FIREHALL	36	982.800	127.000	269.000	7.739	3.654	DPM/100 cm^2	038
** Subtotal **		5182							

TABLE 21
COMPARISON OF MAXIMUM RESULTS WITH MDA VALUES

LOCATION CODE	LOCATION DESCRIPTION	NUMBER OF SURVEY POINTS	MAXIMUM VALUE	MINIMUM VALUE FOR MDA	MAXIMUM VALUE FOR MDA	RATIO OF MAXIMUM TO LOW MDA VALUE	RATIO OF MAXIMUM TO HIGH MDA VALUE	UNITS FOR ALL VALUES	REPORT NUMBER
** SURVEY TYPE = REMOVABLE ALPHA SMEAR SURVEY AT SURVEY POINT									
01 -01	BUILDING 5, FIRST FLOOR	74	7.740	9.000	15.000	0.860	0.516	DPM/100 cm^2	034
01 -03	BUILDING 5, FIRST FLOOR	69	8.050	9.000	15.000	0.894	0.537	DPM/100 cm^2	034
01 -04	BUILDING 5, FIRST FLOOR	71	7.740	9.000	15.000	0.860	0.516	DPM/100 cm^2	034
01 -06	BUILDING 5, FIRST FLOOR	35	2.380	9.000	15.000	0.264	0.159	DPM/100 cm^2	034
01 -07	BUILDING 5, FIRST FLOOR	30	8.050	9.000	15.000	0.894	0.537	DPM/100 cm^2	034
01 -08	BUILDING 5, FIRST FLOOR	65	8.050	9.000	15.000	0.894	0.537	DPM/100 cm^2	034
01 -09	BUILDING 5, FIRST FLOOR	63	42.010	9.000	15.000	4.668	2.801	DPM/100 cm^2	034
01 -10	BUILDING 5, FIRST FLOOR	37	8.050	9.000	15.000	0.894	0.537	DPM/100 cm^2	034
01 -13	BUILDING 5, FIRST FLOOR	31	7.510	9.000	15.000	0.834	0.501	DPM/100 cm^2	034
01 -14	BUILDING 5, UPPER SURFACES, UNITS 6 & 10	60	7.740	9.000	15.000	0.860	0.516	DPM/100 cm^2	034
02 -01	BUILDING 5, SECOND FLOOR	62	7.740	9.000	15.000	0.860	0.516	DPM/100 cm^2	023
02 -02	BUILDING 5, SECOND FLOOR	64	7.740	9.000	15.000	0.860	0.516	DPM/100 cm^2	023
02 -03	BUILDING 5, SECOND FLOOR	30	-0.260	9.000	15.000	-0.029	-0.017	DPM/100 cm^2	023
02 -04	BUILDING 5, SECOND FLOOR	61	7.510	9.000	15.000	0.834	0.501	DPM/100 cm^2	023
03 -01	BUILDING 5, THIRD FLOOR	64	2.380	9.000	15.000	0.264	0.159	DPM/100 cm^2	024
04 -01	BUILDING 6, FIRST FLOOR	71	7.740	9.000	15.000	0.860	0.516	DPM/100 cm^2	017
04 -02	BUILDING 6, FIRST FLOOR	64	7.740	9.000	15.000	0.860	0.516	DPM/100 cm^2	017
04 -03	BUILDING 6, FIRST FLOOR	63	7.740	9.000	15.000	0.860	0.516	DPM/100 cm^2	017
04 -04	BUILDING 6, FIRST FLOOR	67	-0.160	9.000	15.000	-0.018	-0.011	DPM/100 cm^2	017
04 -05	BUILDING 6, FIRST FLOOR	91	7.510	9.000	15.000	0.834	0.501	DPM/100 cm^2	017
04 -06	BUILDING 6, VENTILATION SYSTEMS	9	7.510	9.000	15.000	0.834	0.501	DPM/100 cm^2	017
05 -01	BUILDING 6, SECOND FLOOR	74	8.050	9.000	15.000	0.894	0.537	DPM/100 cm^2	019
05 -02	BUILDING 6, SECOND FLOOR	60	15.280	9.000	15.000	1.698	1.019	DPM/100 cm^2	019
06 -01	BUILDING 6A	86	8.050	9.000	15.000	0.894	0.537	DPM/100 cm^2	014
06 -02	BUILDING 6A	72	8.050	9.000	15.000	0.894	0.537	DPM/100 cm^2	014
06 -03	BUILDING 6A	60	7.810	9.000	15.000	0.868	0.521	DPM/100 cm^2	014
07 -01	BUILDING 7, FIRST FLOOR	70	8.050	9.000	15.000	0.894	0.537	DPM/100 cm^2	012
07 -02	BUILDING 7, FIRST FLOOR	60	8.050	9.000	15.000	0.894	0.537	DPM/100 cm^2	012
07 -03	BUILDING 7, FIRST FLOOR	70	7.810	9.000	15.000	0.868	0.521	DPM/100 cm^2	012
07 -04	BUILDING 7, FIRST FLOOR	60	8.050	9.000	15.000	0.894	0.537	DPM/100 cm^2	012

TABLE 21
COMPARISON OF MAXIMUM RESULTS WITH MDA VALUES

LOCATION CODE	LOCATION DESCRIPTION	NUMBER OF SURVEY POINTS	MAXIMUM VALUE	MINIMUM VALUE FOR MDA	MAXIMUM VALUE FOR MDA	RATIO OF MAXIMUM TO LOW MDA VALUE	RATIO OF MAXIMUM TO HIGH MDA VALUE	UNITS FOR ALL VALUES	REPORT NUMBER
07 -05	BUILDING 7, FIRST FLOOR	61	8.050	9.000	15.000	0.894	0.537	DPM/100 cm^2	012
07 -06	BUILDING 7, FIRST FLOOR	67	-0.150	9.000	15.000	-0.017	-0.010	DPM/100 cm^2	012
08 -01	BUILDING 8A, FIRST FLOOR	99	7.740	9.000	15.000	0.860	0.516	DPM/100 cm^2	035
08 -02	BUILDING 8A, FIRST FLOOR	76	7.740	9.000	15.000	0.860	0.516	DPM/100 cm^2	035
08 -03	BUILDING 8A, FIRST FLOOR	63	2.380	9.000	15.000	0.264	0.159	DPM/100 cm^2	035
08 -04	BUILDING 8A, FIRST FLOOR	61	7.510	9.000	15.000	0.834	0.501	DPM/100 cm^2	035
08 -05	BUILDING 8A, FIRST FLOOR	73	7.740	9.000	15.000	0.860	0.516	DPM/100 cm^2	035
08 -06	BUILDING 8A, FIRST FLOOR, SPECIAL GRIDS	83	3.000	9.000	15.000	0.333	0.200	DPM/100 cm^2	035
09 -01	BUILDING 9, PIT	60	8.110	9.000	15.000	0.901	0.541	DPM/100 cm^2	016
09 -01	BUILDING 9, PIT	54	15.280	9.000	15.000	1.698	1.019	DPM/100 cm^2	016
10 -01	BUILDING 9, FIRST FLOOR, EXT. STORAGE	30	-0.260	9.000	15.000	-0.029	-0.017	DPM/100 cm^2	020
10 -02	BUILDING 9, FIRST FLOOR	68	8.050	9.000	15.000	0.894	0.537	DPM/100 cm^2	020
10 -03	BUILDING 9, FIRST FLOOR	62	8.050	9.000	15.000	0.894	0.537	DPM/100 cm^2	020
10 -04	BUILDING 9, FIRST FLOOR	79	8.050	9.000	15.000	0.894	0.537	DPM/100 cm^2	020
10 -05	BUILDING 9, FIRST FLOOR	61	7.740	9.000	15.000	0.860	0.516	DPM/100 cm^2	020
10 -06	BUILDING 9, FIRST FLOOR	60	7.810	9.000	15.000	0.868	0.521	DPM/100 cm^2	020
10 -08	BUILDING 9, FIRST FLOOR	66	-0.150	9.000	15.000	-0.017	-0.010	DPM/100 cm^2	020
10 -09	BUILDING 9, FIRST FLOOR	69	7.510	9.000	15.000	0.834	0.501	DPM/100 cm^2	020
10 -10	BUILDING 9, FIRST FLOOR	61	8.050	9.000	15.000	0.894	0.537	DPM/100 cm^2	020
10 -11	BUILDING 9, FIRST FLOOR	62	8.050	9.000	15.000	0.894	0.537	DPM/100 cm^2	020
10 -12	BUILDING 9, FIRST FLOOR	64	8.050	9.000	15.000	0.894	0.537	DPM/100 cm^2	020
10 -14-1	BUILDING 9 PIPE CHASES - GROUP 1	251	18.050	9.000	15.000	2.006	1.203	DPM/100 cm^2	010
10 -14-2	BUILDING 9 PIPE CHASES - GROUP 2	177	66.600	9.000	15.000	7.400	4.440	DPM/100 cm^2	010
10 -14-3	BUILDING 9 PIPE CHASES - GROUP 3	92	10.880	9.000	15.000	1.209	0.725	DPM/100 cm^2	010
10 -14-4	BUILDING 9 PIPE CHASES - ASSOCIATED PITS	22	-0.030	9.000	15.000	-0.003	-0.002	DPM/100 cm^2	010
11 -01	HYDROGEN FACILITY	94	7.740	9.000	15.000	0.860	0.516	DPM/100 cm^2	033
14 -01	BUILDING 4, BASEMENT	29	8.050	9.000	15.000	0.894	0.537	DPM/100 cm^2	015
14 -02	BUILDING 4, BASEMENT	31	8.050	9.000	15.000	0.894	0.537	DPM/100 cm^2	015
15 -01	BUILDING 4, THIRD FLOOR	30	-0.260	9.000	15.000	-0.029	-0.017	DPM/100 cm^2	029
16 -01	BUILDING 12, FIRST FLOOR	30	7.510	9.000	15.000	0.834	0.501	DPM/100 cm^2	027
27 -01	MONITORED DRAIN LINE PIT BEHIND BLDG. 5	20	2.600	9.000	15.000	0.289	0.173	DPM/100 cm^2	008

TABLE 21
COMPARISON OF MAXIMUM RESULTS WITH MDA VALUES

LOCATION CODE	LOCATION DESCRIPTION	NUMBER OF SURVEY POINTS	MAXIMUM VALUE	MINIMUM VALUE FOR MDA	MAXIMUM VALUE FOR MDA	RATIO OF MAXIMUM TO LOW MDA VALUE	RATIO OF MAXIMUM TO HIGH MDA VALUE	UNITS FOR ALL VALUES	REPORT NUMBER
28A-01	BUILDING 4, FIRST FLOOR	48	7.510	9.000	15.000	0.834	0.501	DPM/100 cm^2	025
28A-02	BUILDING 4, SECOND FLOOR	32	7.740	9.000	15.000	0.860	0.516	DPM/100 cm^2	025
28B-01	BUILDING 5, FOURTH FLOOR	30	7.740	9.000	15.000	0.860	0.516	DPM/100 cm^2	030
28C-01	BUILDING 5A	30	7.740	9.000	15.000	0.860	0.516	DPM/100 cm^2	026
28D-01	BUILDING 7, SECOND FLOOR	30	8.050	9.000	15.000	0.894	0.537	DPM/100 cm^2	013
28E-01	BUILDING 8	52	7.810	9.000	15.000	0.868	0.521	DPM/100 cm^2	011
28F-01	BUILDING 8A, SECOND FLOOR	36	-0.260	9.000	15.000	-0.029	-0.017	DPM/100 cm^2	032
28G-01	BUILDING 9, SECOND FLOOR	36	5.020	9.000	15.000	0.558	0.335	DPM/100 cm^2	022
28H-01	BUILDING 10, FIRST FLOOR	35	7.510	9.000	15.000	0.834	0.501	DPM/100 cm^2	021
28H-02	BUILDING 10, SECOND FLOOR	32	-0.260	9.000	15.000	-0.029	-0.017	DPM/100 cm^2	021
28I-01	BUILDING 11, FIRST FLOOR	36	7.740	9.000	15.000	0.860	0.516	DPM/100 cm^2	018
28I-02	BUILDING 11, SECOND FLOOR	36	7.510	9.000	15.000	0.834	0.501	DPM/100 cm^2	018
28J-01	FIREHALL	30	-0.260	9.000	15.000	-0.029	-0.017	DPM/100 cm^2	031
28K-01	INCINERATOR BUILDING	18	2.750	9.000	15.000	0.306	0.183	DPM/100 cm^2	005
28K-02	INCINERATOR BLDG. - INSIDE INCINERATOR	12	2.750	9.000	15.000	0.306	0.183	DPM/100 cm^2	005
28K-03	INCINERATOR BUILDING - INSIDE CHIMNEY	8	2.560	9.000	15.000	0.284	0.171	DPM/100 cm^2	005
28L-01	BUILDING 12, SECOND FLOOR	30	7.510	9.000	15.000	0.834	0.501	DPM/100 cm^2	028
29 -01	ROOF SURFACE FOR BLDG 5	51	6.790	9.000	15.000	0.754	0.453	DPM/100 cm^2	038
29 -02	ROOF SURFACE FOR BLDGS 6,7&8	31	6.790	9.000	15.000	0.754	0.453	DPM/100 cm^2	038
29 -03	ROOF SURFACE FOR BLDG 8A	45	6.790	9.000	15.000	0.754	0.453	DPM/100 cm^2	038
29 -04	ROOF SURFACE FOR BLDG 9	34	-0.310	9.000	15.000	-0.034	-0.021	DPM/100 cm^2	038
29 -05	ROOF SURFACE FOR HYDROGEN FACILITY	30	6.790	9.000	15.000	0.754	0.453	DPM/100 cm^2	038
29 -06	ROOF SURFACE FOR BLDGS 4,10,11,&FIREHALL	37	6.790	9.000	15.000	0.754	0.453	DPM/100 cm^2	038
29 -07	ROOF VENTS FOR BLDG 5	49	6.580	9.000	15.000	0.731	0.439	DPM/100 cm^2	038
29 -08	ROOF VENTS FOR BLDGS 6,7,&8A	39	2.030	9.000	15.000	0.226	0.135	DPM/100 cm^2	038
29 -09	ROOF VENTS FOR BLDGS 9 & HYDROGEN FAC.	49	6.710	9.000	15.000	0.746	0.447	DPM/100 cm^2	038
29 -10	ROOF VENTS FOR BLDGS 4,8,10,11& FIREHALL	36	-0.310	9.000	15.000	-0.034	-0.021	DPM/100 cm^2	038
** Subtotal **		4880							

TABLE 21
COMPARISON OF MAXIMUM RESULTS WITH MDA VALUES

LOCATION CODE	LOCATION DESCRIPTION	NUMBER OF SURVEY POINTS	MAXIMUM VALUE	MINIMUM VALUE FOR MDA	MAXIMUM VALUE FOR MDA	RATIO OF MAXIMUM TO LOW MDA VALUE	RATIO OF MAXIMUM TO HIGH MDA VALUE	UNITS FOR ALL VALUES	REPORT NUMBER
** SURVEY TYPE = REMOVABLE BETA SMEAR SURVEY AT SURVEY POINT									
01 -01	BUILDING 5, FIRST FLOOR	74	9.660	12.000	154.000	0.805	0.063	DPM/100 cm^2	034
01 -03	BUILDING 5, FIRST FLOOR	69	9.660	12.000	154.000	0.805	0.063	DPM/100 cm^2	034
01 -04	BUILDING 5, FIRST FLOOR	71	9.660	12.000	154.000	0.805	0.063	DPM/100 cm^2	034
01 -06	BUILDING 5, FIRST FLOOR	35	9.660	12.000	154.000	0.805	0.063	DPM/100 cm^2	034
01 -07	BUILDING 5, FIRST FLOOR	30	15.490	12.000	154.000	1.291	0.101	DPM/100 cm^2	034
01 -08	BUILDING 5, FIRST FLOOR	65	9.390	12.000	154.000	0.783	0.061	DPM/100 cm^2	034
01 -09	BUILDING 5, FIRST FLOOR	63	9.660	12.000	154.000	0.805	0.063	DPM/100 cm^2	034
01 -10	BUILDING 5, FIRST FLOOR	37	15.490	12.000	154.000	1.291	0.101	DPM/100 cm^2	034
01 -14	BUILDING 5, UPPER SURFACES, UNITS 6 & 10	60	9.660	12.000	154.000	0.805	0.063	DPM/100 cm^2	034
02 -01	BUILDING 5, SECOND FLOOR	62	9.310	12.000	154.000	0.776	0.060	DPM/100 cm^2	023
02 -02	BUILDING 5, SECOND FLOOR	64	9.660	12.000	154.000	0.805	0.063	DPM/100 cm^2	023
02 -03	BUILDING 5, SECOND FLOOR	30	9.660	12.000	154.000	0.805	0.063	DPM/100 cm^2	023
02 -04	BUILDING 5, SECOND FLOOR	61	9.660	12.000	154.000	0.805	0.063	DPM/100 cm^2	023
03 -01	BUILDING 5, THIRD FLOOR	64	9.660	12.000	154.000	0.805	0.063	DPM/100 cm^2	024
01 -13	BUILDING 5, FIRST FLOOR	31	9.660	12.000	154.000	0.805	0.063	DPM/100 cm^2	034
04 -01	BUILDING 6, FIRST FLOOR	71	9.660	12.000	154.000	0.805	0.063	DPM/100 cm^2	017
04 -02	BUILDING 6, FIRST FLOOR	64	9.660	12.000	154.000	0.805	0.063	DPM/100 cm^2	017
04 -03	BUILDING 6, FIRST FLOOR	63	9.660	12.000	154.000	0.805	0.063	DPM/100 cm^2	017
04 -04	BUILDING 6, FIRST FLOOR	67	9.660	12.000	154.000	0.805	0.063	DPM/100 cm^2	017
04 -05	BUILDING 6, FIRST FLOOR	91	11.550	12.000	154.000	0.963	0.075	DPM/100 cm^2	017
04 -06	BUILDING 6, VENTILATION SYSTEMS	9	9.310	12.000	154.000	0.776	0.060	DPM/100 cm^2	017
05 -01	BUILDING 6, SECOND FLOOR	74	9.390	12.000	154.000	0.783	0.061	DPM/100 cm^2	019
05 -02	BUILDING 6, SECOND FLOOR	60	9.660	12.000	154.000	0.805	0.063	DPM/100 cm^2	019
06 -01	BUILDING 6A	86	15.490	12.000	154.000	1.291	0.101	DPM/100 cm^2	014
06 -02	BUILDING 6A	72	15.490	12.000	154.000	1.291	0.101	DPM/100 cm^2	014
06 -03	BUILDING 6A	60	9.390	12.000	154.000	0.783	0.061	DPM/100 cm^2	014
07 -01	BUILDING 7, FIRST FLOOR	70	9.390	12.000	154.000	0.783	0.061	DPM/100 cm^2	012
07 -02	BUILDING 7, FIRST FLOOR	60	9.390	12.000	154.000	0.783	0.061	DPM/100 cm^2	012
07 -03	BUILDING 7, FIRST FLOOR	70	9.390	12.000	154.000	0.783	0.061	DPM/100 cm^2	012
07 -04	BUILDING 7, FIRST FLOOR	60	9.390	12.000	154.000	0.783	0.061	DPM/100 cm^2	012

TABLE 21
COMPARISON OF MAXIMUM RESULTS WITH MDA VALUES

LOCATION CODE	LOCATION DESCRIPTION	NUMBER OF SURVEY POINTS	MAXIMUM VALUE	MINIMUM VALUE FOR MDA	MAXIMUM VALUE FOR MDA	RATIO OF MAXIMUM TO LOW MDA VALUE	RATIO OF MAXIMUM TO HIGH MDA VALUE	UNITS FOR ALL VALUES	REPORT NUMBER
07 -05	BUILDING 7, FIRST FLOOR	61	9.390	12.000	154.000	0.783	0.061	DPM/100 cm^2	012
07 -06	BUILDING 7, FIRST FLOOR	67	9.390	12.000	154.000	0.783	0.061	DPM/100 cm^2	012
08 -01	BUILDING 8A, FIRST FLOOR	99	9.660	12.000	154.000	0.805	0.063	DPM/100 cm^2	035
08 -02	BUILDING 8A, FIRST FLOOR	76	9.660	12.000	154.000	0.805	0.063	DPM/100 cm^2	035
08 -03	BUILDING 8A, FIRST FLOOR	63	9.660	12.000	154.000	0.805	0.063	DPM/100 cm^2	035
08 -04	BUILDING 8A, FIRST FLOOR	61	9.660	12.000	154.000	0.805	0.063	DPM/100 cm^2	035
08 -05	BUILDING 8A, FIRST FLOOR	73	9.660	12.000	154.000	0.805	0.063	DPM/100 cm^2	035
08 -06	BUILDING 8A, FIRST FLOOR, SPECIAL GRIDS	83	59.000	12.000	154.000	4.917	0.383	DPM/100 cm^2	035
09 -01	BUILDING 9, PIT	60	91.220	12.000	154.000	7.602	0.592	DPM/100 cm^2	016
09 -01	BUILDING 9, PIT	54	9.660	12.000	154.000	0.805	0.063	DPM/100 cm^2	016
10 -01	BUILDING 9, FIRST FLOOR, EXT. STORAGE	30	9.660	12.000	154.000	0.805	0.063	DPM/100 cm^2	020
10 -02	BUILDING 9, FIRST FLOOR	68	9.390	12.000	154.000	0.783	0.061	DPM/100 cm^2	020
10 -03	BUILDING 9, FIRST FLOOR	62	14.950	12.000	154.000	1.246	0.097	DPM/100 cm^2	020
10 -04	BUILDING 9, FIRST FLOOR	79	9.390	12.000	154.000	0.783	0.061	DPM/100 cm^2	020
10 -05	BUILDING 9, FIRST FLOOR	61	9.660	12.000	154.000	0.805	0.063	DPM/100 cm^2	020
10 -06	BUILDING 9, FIRST FLOOR	60	9.660	12.000	154.000	0.805	0.063	DPM/100 cm^2	020
10 -08	BUILDING 9, FIRST FLOOR	66	9.660	12.000	154.000	0.805	0.063	DPM/100 cm^2	020
10 -09	BUILDING 9, FIRST FLOOR	69	9.390	12.000	154.000	0.783	0.061	DPM/100 cm^2	020
10 -10	BUILDING 9, FIRST FLOOR	61	9.660	12.000	154.000	0.805	0.063	DPM/100 cm^2	020
10 -11	BUILDING 9, FIRST FLOOR	62	9.390	12.000	154.000	0.783	0.061	DPM/100 cm^2	020
10 -12	BUILDING 9, FIRST FLOOR	64	15.490	12.000	154.000	1.291	0.101	DPM/100 cm^2	020
10 -14-1	BUILDING 9 PIPE CHASES - GROUP 1	251	138.280	12.000	154.000	11.523	0.898	DPM/100 cm^2	010
10 -14-2	BUILDING 9 PIPE CHASES - GROUP 2	177	164.810	12.000	154.000	13.734	1.070	DPM/100 cm^2	010
10 -14-3	BUILDING 9 PIPE CHASES - GROUP 3	92	88.440	12.000	154.000	7.370	0.574	DPM/100 cm^2	010
10 -14-4	BUILDING 9 PIPE CHASES - ASSOCIATED PITS	22	62.880	12.000	154.000	5.240	0.408	DPM/100 cm^2	010
11 -01	HYDROGEN FACILITY	94	9.660	12.000	154.000	0.805	0.063	DPM/100 cm^2	033
14 -01	BUILDING 4, BASEMENT	29	9.390	12.000	154.000	0.783	0.061	DPM/100 cm^2	015
14 -02	BUILDING 4, BASEMENT	31	9.390	12.000	154.000	0.783	0.061	DPM/100 cm^2	015
15 -01	BUILDING 4, THIRD FLOOR	30	9.660	12.000	154.000	0.805	0.063	DPM/100 cm^2	029
16 -01	BUILDING 12, FIRST FLOOR	30	3.590	12.000	154.000	0.299	0.023	DPM/100 cm^2	027
27 -01	MONITORED DRAIN LINE PIT BEHIND BLDG. 5	20	65.650	12.000	154.000	5.471	0.426	DPM/100 cm^2	008

TABLE 21
COMPARISON OF MAXIMUM RESULTS WITH MDA VALUES

LOCATION CODE	LOCATION DESCRIPTION	NUMBER OF SURVEY POINTS	MAXIMUM VALUE	MINIMUM VALUE FOR MDA	MAXIMUM VALUE FOR MDA	RATIO OF MAXIMUM TO LOW MDA VALUE	RATIO OF MAXIMUM TO HIGH MDA VALUE	UNITS FOR ALL VALUES	REPORT NUMBER
28A-01	BUILDING 4, FIRST FLOOR	48	9.660	12.000	154.000	0.805	0.063	DPM/100 cm^2	025
28A-02	BUILDING 4, SECOND FLOOR	32	7.540	12.000	154.000	0.628	0.049	DPM/100 cm^2	025
28B-01	BUILDING 5, FOURTH FLOOR	30	9.660	12.000	154.000	0.805	0.063	DPM/100 cm^2	030
28C-01	BUILDING 5A	30	9.660	12.000	154.000	0.805	0.063	DPM/100 cm^2	026
28D-01	BUILDING 7, SECOND FLOOR	30	9.030	12.000	154.000	0.752	0.059	DPM/100 cm^2	013
28E-01	BUILDING 8	52	11.280	12.000	154.000	0.940	0.073	DPM/100 cm^2	011
28F-01	BUILDING 8A, SECOND FLOOR	36	9.660	12.000	154.000	0.805	0.063	DPM/100 cm^2	032
28G-01	BUILDING 9, SECOND FLOOR	36	7.540	12.000	154.000	0.628	0.049	DPM/100 cm^2	022
28H-01	BUILDING 10, FIRST FLOOR	35	9.660	12.000	154.000	0.805	0.063	DPM/100 cm^2	021
28H-02	BUILDING 10, SECOND FLOOR	32	9.660	12.000	154.000	0.805	0.063	DPM/100 cm^2	021
28I-01	BUILDING 11, FIRST FLOOR	36	9.660	12.000	154.000	0.805	0.063	DPM/100 cm^2	018
28I-02	BUILDING 11, SECOND FLOOR	36	9.660	12.000	154.000	0.805	0.063	DPM/100 cm^2	018
28J-01	FIREHALL	30	9.310	12.000	154.000	0.776	0.060	DPM/100 cm^2	031
28K-01	INCINERATOR BUILDING	18	77.270	12.000	154.000	6.439	0.502	DPM/100 cm^2	005
28K-02	INCINERATOR BLDG. - INSIDE INCINERATOR	12	100.510	12.000	154.000	8.376	0.653	DPM/100 cm^2	005
28K-03	INCINERATOR BUILDING - INSIDE CHIMNEY	8	7.250	12.000	154.000	0.604	0.047	DPM/100 cm^2	005
28L-01	BUILDING 12, SECOND FLOOR	30	9.310	12.000	154.000	0.776	0.060	DPM/100 cm^2	028
29 -01	ROOF SURFACE FOR BLDG 5	51	9.540	12.000	154.000	0.795	0.062	DPM/100 cm^2	038
29 -02	ROOF SURFACE FOR BLDGS 6,7&8	31	23.650	12.000	154.000	1.971	0.154	DPM/100 cm^2	038
29 -03	ROOF SURFACE FOR BLDG 8A	45	9.540	12.000	154.000	0.795	0.062	DPM/100 cm^2	038
29 -04	ROOF SURFACE FOR BLDG 9	34	9.540	12.000	154.000	0.795	0.062	DPM/100 cm^2	038
29 -05	ROOF SURFACE FOR HYDROGEN FACILITY	30	9.540	12.000	154.000	0.795	0.062	DPM/100 cm^2	038
29 -06	ROOF SURFACE FOR BLDGS 4,10,11,&FIREHALL	37	9.670	12.000	154.000	0.806	0.063	DPM/100 cm^2	038
29 -07	ROOF VENTS FOR BLDG 5	49	9.180	12.000	154.000	0.765	0.060	DPM/100 cm^2	038
29 -08	ROOF VENTS FOR BLDGS 6,7,&8A	39	5.350	12.000	154.000	0.446	0.035	DPM/100 cm^2	038
29 -09	ROOF VENTS FOR BLDGS 9 & HYDROGEN FAC.	49	9.540	12.000	154.000	0.795	0.062	DPM/100 cm^2	038
29 -10	ROOF VENTS FOR BLDGS 4,8,10,11& FIREHALL	36	9.540	12.000	154.000	0.795	0.062	DPM/100 cm^2	038
** Subtotal **		4880							

TABLE 21
COMPARISON OF MAXIMUM RESULTS WITH MDA VALUES

LOCATION CODE	LOCATION DESCRIPTION	NUMBER OF SURVEY POINTS	MAXIMUM VALUE	MINIMUM VALUE FOR MDA	MAXIMUM VALUE FOR MDA	RATIO OF MAXIMUM TO LOW MDA VALUE	RATIO OF MAXIMUM TO HIGH MDA VALUE	UNITS FOR ALL VALUES	REPORT NUMBER
** SURVEY TYPE = MAXIMUM - ALPHA SCAN OF SURFACE NEAR SURVEY POINT									
09 -01	BUILDING 9, PIT	60	425.500	500.000	1000.000	0.851	0.425	DPM/100 cm^2	016
27 -01	MONITORED DRAIN LINE PIT BEHIND BLDG. 5	20	-32.470	500.000	1000.000	-0.065	-0.032	DPM/100 cm^2	008
** Subtotal **		80							

TABLE 21
COMPARISON OF MAXIMUM RESULTS WITH MDA VALUES

LOCATION CODE	LOCATION DESCRIPTION	NUMBER OF SURVEY POINTS	MAXIMUM VALUE	MINIMUM VALUE FOR MDA	MAXIMUM VALUE FOR MDA	RATIO OF MAXIMUM TO LOW MDA VALUE	RATIO OF MAXIMUM TO HIGH MDA VALUE	UNITS FOR ALL VALUES	REPORT NUMBER
** SURVEY TYPE = AVERAGE - ALPHA SCAN OF SURFACE NEAR SURVEY POINT									
09 -01	BUILDING 9, PIT	60	266.200	500.000	1000.000	0.532	0.266	DPM/100 cm^2	016
27 -01	MONITORED DRAIN LINE PIT BEHIND BLDG. 5	20	-39.850	500.000	1000.000	-0.080	-0.040	DPM/100 cm^2	008
** Subtotal **		80							
*** Total ***		35170							

TABLE 22

COMPARISON OF MAXIMUM RESULTS AGAINST ACCEPTANCE CRITERIA

LOCATION CODE	LOCATION DESCRIPTION	NUMBER OF SURVEY POINTS	MAXIMUM VALUE	RADIOLOGICAL ACCEPTANCE CRITERIA	MAXIMUM VALUE AS A % OF CRITERIA	UNITS FOR ALL VALUES	REPORT NUMBER
** SURVEY TYPE = GAMMA DOSERATE AT 1 METER FROM SURFACE							
01 -01	BUILDING 5, FIRST FLOOR	41	17.000	15.000	113.333	MicroR/hour	034
01 -03	BUILDING 5, FIRST FLOOR	38	14.000	15.000	93.333	MicroR/hour	034
01 -04	BUILDING 5, FIRST FLOOR	23	15.000	15.000	100.000	MicroR/hour	034
01 -06	BUILDING 5, FIRST FLOOR	35	14.000	15.000	93.333	MicroR/hour	034
01 -07	BUILDING 5, FIRST FLOOR	30	15.000	15.000	100.000	MicroR/hour	034
01 -08	BUILDING 5, FIRST FLOOR	30	15.000	15.000	100.000	MicroR/hour	034
01 -09	BUILDING 5, FIRST FLOOR	33	12.000	15.000	80.000	MicroR/hour	034
01 -10	BUILDING 5, FIRST FLOOR	37	18.000	15.000	120.000	MicroR/hour	034
01 -13	BUILDING 5, FIRST FLOOR	27	14.000	15.000	93.333	MicroR/hour	034
02 -01	BUILDING 5, SECOND FLOOR	20	13.000	15.000	86.667	MicroR/hour	023
02 -02	BUILDING 5, SECOND FLOOR	34	17.000	15.000	113.333	MicroR/hour	023
02 -03	BUILDING 5, SECOND FLOOR	13	14.000	15.000	93.333	MicroR/hour	023
02 -04	BUILDING 5, SECOND FLOOR	30	15.000	15.000	100.000	MicroR/hour	023
03 -01	BUILDING 5, THIRD FLOOR	34	15.000	15.000	100.000	MicroR/hour	024
04 -01	BUILDING 6, FIRST FLOOR	20	10.000	15.000	66.667	MicroR/hour	017
04 -02	BUILDING 6, FIRST FLOOR	30	9.000	15.000	60.000	MicroR/hour	017
04 -03	BUILDING 6, FIRST FLOOR	28	18.000	15.000	120.000	MicroR/hour	017
04 -04	BUILDING 6, FIRST FLOOR	22	30.000	15.000	200.000	MicroR/hour	017
04 -05	BUILDING 6, FIRST FLOOR	23	13.000	15.000	86.667	MicroR/hour	017
05 -01	BUILDING 6, SECOND FLOOR	26	18.000	15.000	120.000	MicroR/hour	019
05 -02	BUILDING 6, SECOND FLOOR	10	8.000	15.000	53.333	MicroR/hour	019
06 -01	BUILDING 6A	39	13.000	15.000	86.667	MicroR/hour	014
06 -02	BUILDING 6A	28	11.000	15.000	73.333	MicroR/hour	014
06 -03	BUILDING 6A	22	10.000	15.000	66.667	MicroR/hour	014
07 -01	BUILDING 7, FIRST FLOOR	22	14.000	15.000	93.333	MicroR/hour	012
07 -02	BUILDING 7, FIRST FLOOR	30	11.000	15.000	73.333	MicroR/hour	012
07 -03	BUILDING 7, FIRST FLOOR	30	11.000	15.000	73.333	MicroR/hour	012
07 -04	BUILDING 7, FIRST FLOOR	24	15.000	15.000	100.000	MicroR/hour	012
07 -05	BUILDING 7, FIRST FLOOR	29	12.000	15.000	80.000	MicroR/hour	012
07 -06	BUILDING 7, FIRST FLOOR	6	16.000	15.000	106.667	MicroR/hour	012

TABLE 22
COMPARISON OF MAXIMUM RESULTS AGAINST ACCEPTANCE CRITERIA

LOCATION CODE	LOCATION DESCRIPTION	NUMBER OF SURVEY POINTS	MAXIMUM VALUE	RADIOLOGICAL ACCEPTANCE CRITERIA	MAXIMUM VALUE AS A % OF CRITERIA	UNITS FOR ALL VALUES	REPORT NUMBER
08 -01	BUILDING 8A, FIRST FLOOR	43	14.000	15.000	93.333	MicroR/hour	035
08 -02	BUILDING 8A, FIRST FLOOR	25	12.000	15.000	80.000	MicroR/hour	035
08 -03	BUILDING 8A, FIRST FLOOR	28	20.000	15.000	133.333	MicroR/hour	035
08 -04	BUILDING 8A, FIRST FLOOR	19	11.000	15.000	73.333	MicroR/hour	035
08 -05	BUILDING 8A, FIRST FLOOR	40	15.000	15.000	100.000	MicroR/hour	035
08 -06	BUILDING 8A, FIRST FLOOR, SPECIAL GRIDS	83	17.000	15.000	113.333	MicroR/hour	035
09 -01	BUILDING 9, PIT	60	8.200	15.000	54.667	MicroR/hour	016
10 -01	BUILDING 9, FIRST FLOOR, EXT. STORAGE	14	15.000	15.000	100.000	MicroR/hour	020
10 -02	BUILDING 9, FIRST FLOOR	17	12.000	15.000	80.000	MicroR/hour	020
10 -03	BUILDING 9, FIRST FLOOR	22	13.000	15.000	86.667	MicroR/hour	020
10 -04	BUILDING 9, FIRST FLOOR	29	11.000	15.000	73.333	MicroR/hour	020
10 -05	BUILDING 9, FIRST FLOOR	18	11.000	15.000	73.333	MicroR/hour	020
10 -06	BUILDING 9, FIRST FLOOR	26	12.000	15.000	80.000	MicroR/hour	020
10 -08	BUILDING 9, FIRST FLOOR	14	10.000	15.000	66.667	MicroR/hour	020
10 -09	BUILDING 9, FIRST FLOOR	20	12.000	15.000	80.000	MicroR/hour	020
10 -10	BUILDING 9, FIRST FLOOR	18	13.000	15.000	86.667	MicroR/hour	020
10 -11	BUILDING 9, FIRST FLOOR	21	13.000	15.000	86.667	MicroR/hour	020
10 -12	BUILDING 9, FIRST FLOOR	21	9.000	15.000	60.000	MicroR/hour	020
10 -14-1	BUILDING 9 PIPE CHASES - GROUP 1	248	17.000	15.000	113.333	MicroR/hour	010
10 -14-2	BUILDING 9 PIPE CHASES - GROUP 2	177	14.000	15.000	93.333	MicroR/hour	010
10 -14-3	BUILDING 9 PIPE CHASES - GROUP 3	92	12.000	15.000	80.000	MicroR/hour	010
10 -14-4	BUILDING 9 PIPE CHASES - ASSOCIATED PITS	22	12.000	15.000	80.000	MicroR/hour	010
11 -01	HYDROGEN FACILITY	41	14.000	15.000	93.333	MicroR/hour	033
14 -01	BUILDING 4, BASEMENT	29	16.000	15.000	106.667	MicroR/hour	015
14 -02	BUILDING 4, BASEMENT	8	13.000	15.000	86.667	MicroR/hour	015
15 -01	BUILDING 4, THIRD FLOOR	16	15.000	15.000	100.000	MicroR/hour	029
16 -01	BUILDING 12, FIRST FLOOR	30	15.000	15.000	100.000	MicroR/hour	027
27 -01	MONITORED DRAIN LINE PIT BEHIND BLDG. 5	4	8.700	15.000	58.000	MicroR/hour	008
28A-01	BUILDING 4, FIRST FLOOR	19	18.000	15.000	120.000	MicroR/hour	025
28A-02	BUILDING 4, SECOND FLOOR	32	16.000	15.000	106.667	MicroR/hour	025
28B-01	BUILDING 5, FOURTH FLOOR	30	16.000	15.000	106.667	MicroR/hour	030

TABLE 22
COMPARISON OF MAXIMUM RESULTS AGAINST ACCEPTANCE CRITERIA

LOCATION CODE	LOCATION DESCRIPTION	NUMBER OF SURVEY POINTS	MAXIMUM VALUE	RADIOLOGICAL ACCEPTANCE CRITERIA	MAXIMUM VALUE AS A % OF CRITERIA	UNITS FOR ALL VALUES	REPORT NUMBER
28C-01	BUILDING 5A	30	12.000	15.000	80.000	MicroR/hour	026
28D-01	BUILDING 7, SECOND FLOOR	27	12.000	15.000	80.000	MicroR/hour	013
28E-01	BUILDING 8	30	15.000	15.000	100.000	MicroR/hour	011
28F-01	BUILDING 8A, SECOND FLOOR	7	19.000	15.000	126.667	MicroR/hour	032
28G-01	BUILDING 9, SECOND FLOOR	36	13.000	15.000	86.667	MicroR/hour	022
28H-01	BUILDING 10, FIRST FLOOR	17	18.000	15.000	120.000	MicroR/hour	021
28H-02	BUILDING 10, SECOND FLOOR	32	12.000	15.000	80.000	MicroR/hour	021
28I-01	BUILDING 11, FIRST FLOOR	36	14.000	15.000	93.333	MicroR/hour	018
28I-02	BUILDING 11, SECOND FLOOR	15	15.000	15.000	100.000	MicroR/hour	018
28J-01	FIREHALL	10	11.000	15.000	73.333	MicroR/hour	031
28K-01	INCINERATOR BUILDING	18	24.000	15.000	160.000	MicroR/hour	005
28K-02	INCINERATOR BLDG. - INSIDE INCINERATOR	11	60.000	15.000	400.000	MicroR/hour	005
28K-03	INCINERATOR BUILDING - INSIDE CHIMNEY	12	32.000	15.000	213.333	MicroR/hour	005
28L-01	BUILDING 12, SECOND FLOOR	25	10.000	15.000	66.667	MicroR/hour	028
29 -01	ROOF SURFACE FOR BLDG 5	51	19.000	15.000	126.667	MicroR/hour	038
29 -02	ROOF SURFACE FOR BLDGS 6,7&8	31	12.000	15.000	80.000	MicroR/hour	038
29 -03	ROOF SURFACE FOR BLDG 8A	45	13.000	15.000	86.667	MicroR/hour	038
29 -04	ROOF SURFACE FOR BLDG 9	34	12.000	15.000	80.000	MicroR/hour	038
29 -05	ROOF SURFACE FOR HYDROGEN FACILITY	30	12.000	15.000	80.000	MicroR/hour	038
29 -06	ROOF SURFACE FOR BLDGS 4,10,11,&FIREHALL	37	17.000	15.000	113.333	MicroR/hour	038
29 -09	ROOF VENTS FOR BLDGS 9 & HYDROGEN FAC.	4	8.000	15.000	53.333	MicroR/hour	038
** Subtotal **		2618					

TABLE 22

COMPARISON OF MAXIMUM RESULTS AGAINST ACCEPTANCE CRITERIA

LOCATION CODE	LOCATION DESCRIPTION	NUMBER OF SURVEY POINTS	MAXIMUM VALUE	RADIOLOGICAL ACCEPTANCE CRITERIA	MAXIMUM VALUE AS A % OF CRITERIA	UNITS FOR ALL VALUES	REPORT NUMBER
** SURVEY TYPE = BETA/GAMMA DOSERATE ON CONTACT WITH SURFACE							
01 -01	BUILDING 5, FIRST FLOOR	41	0.020	0.200	10.000	MilliRem/hour	034
01 -03	BUILDING 5, FIRST FLOOR	38	0.020	0.200	10.000	MilliRem/hour	034
01 -04	BUILDING 5, FIRST FLOOR	23	0.022	0.200	11.000	MilliRem/hour	034
01 -06	BUILDING 5, FIRST FLOOR	35	0.020	0.200	10.000	MilliRem/hour	034
01 -07	BUILDING 5, FIRST FLOOR	30	0.026	0.200	13.000	MilliRem/hour	034
01 -08	BUILDING 5, FIRST FLOOR	30	0.020	0.200	10.000	MilliRem/hour	034
01 -09	BUILDING 5, FIRST FLOOR	33	0.020	0.200	10.000	MilliRem/hour	034
01 -10	BUILDING 5, FIRST FLOOR	37	0.010	0.200	5.000	MilliRem/hour	034
01 -13	BUILDING 5, FIRST FLOOR	27	0.020	0.200	10.000	MilliRem/hour	034
02 -01	BUILDING 5, SECOND FLOOR	20	0.020	0.200	10.000	MilliRem/hour	023
02 -02	BUILDING 5, SECOND FLOOR	34	0.020	0.200	10.000	MilliRem/hour	023
02 -03	BUILDING 5, SECOND FLOOR	13	0.023	0.200	11.500	MilliRem/hour	023
02 -04	BUILDING 5, SECOND FLOOR	30	0.020	0.200	10.000	MilliRem/hour	023
03 -01	BUILDING 5, THIRD FLOOR	34	0.020	0.200	10.000	MilliRem/hour	024
04 -01	BUILDING 6, FIRST FLOOR	20	0.020	0.200	10.000	MilliRem/hour	017
04 -02	BUILDING 6, FIRST FLOOR	30	0.010	0.200	5.000	MilliRem/hour	017
04 -03	BUILDING 6, FIRST FLOOR	28	0.020	0.200	10.000	MilliRem/hour	017
04 -04	BUILDING 6, FIRST FLOOR	22	0.020	0.200	10.000	MilliRem/hour	017
04 -05	BUILDING 6, FIRST FLOOR	23	0.020	0.200	10.000	MilliRem/hour	017
05 -01	BUILDING 6, SECOND FLOOR	26	0.023	0.200	11.500	MilliRem/hour	019
05 -02	BUILDING 6, SECOND FLOOR	10	0.020	0.200	10.000	MilliRem/hour	019
06 -01	BUILDING 6A	39	0.021	0.200	10.500	MilliRem/hour	014
06 -02	BUILDING 6A	35	0.021	0.200	10.500	MilliRem/hour	014
06 -03	BUILDING 6A	22	0.010	0.200	5.000	MilliRem/hour	014
07 -01	BUILDING 7, FIRST FLOOR	22	0.020	0.200	10.000	MilliRem/hour	012
07 -02	BUILDING 7, FIRST FLOOR	30	0.030	0.200	15.000	MilliRem/hour	012
07 -03	BUILDING 7, FIRST FLOOR	30	0.040	0.200	20.000	MilliRem/hour	012
07 -04	BUILDING 7, FIRST FLOOR	24	0.022	0.200	11.000	MilliRem/hour	012
07 -05	BUILDING 7, FIRST FLOOR	29	0.020	0.200	10.000	MilliRem/hour	012
07 -06	BUILDING 7, FIRST FLOOR	6	0.022	0.200	11.000	MilliRem/hour	012

TABLE 22

COMPARISON OF MAXIMUM RESULTS AGAINST ACCEPTANCE CRITERIA

LOCATION CODE	LOCATION DESCRIPTION	NUMBER OF SURVEY POINTS	MAXIMUM VALUE	RADIOLOGICAL ACCEPTANCE CRITERIA	MAXIMUM VALUE AS A % OF CRITERIA	UNITS FOR ALL VALUES	REPORT NUMBER
08 -01	BUILDING 8A, FIRST FLOOR	43	0.019	0.200	9.500	MilliRem/hour	035
08 -02	BUILDING 8A, FIRST FLOOR	25	0.018	0.200	9.000	MilliRem/hour	035
08 -03	BUILDING 8A, FIRST FLOOR	33	0.018	0.200	9.000	MilliRem/hour	035
08 -04	BUILDING 8A, FIRST FLOOR	19	0.016	0.200	8.000	MilliRem/hour	035
08 -05	BUILDING 8A, FIRST FLOOR	40	0.018	0.200	9.000	MilliRem/hour	035
08 -06	BUILDING 8A, FIRST FLOOR, SPECIAL GRIDS	415	0.030	0.200	15.000	MilliRem/hour	035
09 -01	BUILDING 9, PIT	59	0.026	0.200	13.000	MilliRem/hour	016
10 -01	BUILDING 9, FIRST FLOOR, EXT. STORAGE	14	0.020	0.200	10.000	MilliRem/hour	020
10 -02	BUILDING 9, FIRST FLOOR	17	0.018	0.200	9.000	MilliRem/hour	020
10 -03	BUILDING 9, FIRST FLOOR	22	0.010	0.200	5.000	MilliRem/hour	020
10 -04	BUILDING 9, FIRST FLOOR	41	0.030	0.200	15.000	MilliRem/hour	020
10 -05	BUILDING 9, FIRST FLOOR	18	0.010	0.200	5.000	MilliRem/hour	020
10 -06	BUILDING 9, FIRST FLOOR	26	0.020	0.200	10.000	MilliRem/hour	020
10 -08	BUILDING 9, FIRST FLOOR	14	0.024	0.200	12.000	MilliRem/hour	020
10 -09	BUILDING 9, FIRST FLOOR	20	0.021	0.200	10.500	MilliRem/hour	020
10 -10	BUILDING 9, FIRST FLOOR	18	0.035	0.200	17.500	MilliRem/hour	020
10 -11	BUILDING 9, FIRST FLOOR	21	0.016	0.200	8.000	MilliRem/hour	020
10 -12	BUILDING 9, FIRST FLOOR	21	0.017	0.200	8.500	MilliRem/hour	020
10 -14-1	BUILDING 9 PIPE CHASES - GROUP 1	248	0.038	0.200	19.000	MilliRem/hour	010
10 -14-2	BUILDING 9 PIPE CHASES - GROUP 2	177	0.090	0.200	45.000	MilliRem/hour	010
10 -14-3	BUILDING 9 PIPE CHASES - GROUP 3	92	0.030	0.200	15.000	MilliRem/hour	010
10 -14-4	BUILDING 9 PIPE CHASES - ASSOCIATED PITS	22	0.030	0.200	15.000	MilliRem/hour	010
11 -01	HYDROGEN FACILITY	41	0.020	0.200	10.000	MilliRem/hour	033
14 -01	BUILDING 4, BASEMENT	29	0.020	0.200	10.000	MilliRem/hour	015
14 -02	BUILDING 4, BASEMENT	8	0.021	0.200	10.500	MilliRem/hour	015
15 -01	BUILDING 4, THIRD FLOOR	16	0.020	0.200	10.000	MilliRem/hour	029
16 -01	BUILDING 12, FIRST FLOOR	30	0.020	0.200	10.000	MilliRem/hour	027
27 -01	MONITORED DRAIN LINE PIT BEHIND BLDG. 5	20	0.020	0.200	10.000	MilliRem/hour	008
28A-01	BUILDING 4, FIRST FLOOR	19	0.025	0.200	12.500	MilliRem/hour	025
28A-02	BUILDING 4, SECOND FLOOR	32	0.026	0.200	13.000	MilliRem/hour	025
28B-01	BUILDING 5, FOURTH FLOOR	30	0.020	0.200	10.000	MilliRem/hour	030

TABLE 22

COMPARISON OF MAXIMUM RESULTS AGAINST ACCEPTANCE CRITERIA

LOCATION CODE	LOCATION DESCRIPTION	NUMBER OF SURVEY POINTS	MAXIMUM VALUE	RADIOLOGICAL ACCEPTANCE CRITERIA	MAXIMUM VALUE AS A % OF CRITERIA	UNITS FOR ALL VALUES	REPORT NUMBER
28C-01	BUILDING 5A	30	0.020	0.200	10.000	MilliRem/hour	026
28D-01	BUILDING 7, SECOND FLOOR	27	0.030	0.200	15.000	MilliRem/hour	013
28E-01	BUILDING 8	30	0.030	0.200	15.000	MilliRem/hour	011
28F-01	BUILDING 8A, SECOND FLOOR	7	0.023	0.200	11.500	MilliRem/hour	032
28G-01	BUILDING 9, SECOND FLOOR	36	0.020	0.200	10.000	MilliRem/hour	022
28H-01	BUILDING 10, FIRST FLOOR	17	0.020	0.200	10.000	MilliRem/hour	021
28H-02	BUILDING 10, SECOND FLOOR	32	0.020	0.200	10.000	MilliRem/hour	021
28I-01	BUILDING 11, FIRST FLOOR	36	0.020	0.200	10.000	MilliRem/hour	018
28I-02	BUILDING 11, SECOND FLOOR	15	0.020	0.200	10.000	MilliRem/hour	018
28J-01	FIREHALL	10	0.020	0.200	10.000	MilliRem/hour	031
28K-01	INCINERATOR BUILDING	18	0.030	0.200	15.000	MilliRem/hour	005
28K-02	INCINERATOR BLDG. - INSIDE INCINERATOR	12	0.060	0.200	30.000	MilliRem/hour	005
28L-01	BUILDING 12, SECOND FLOOR	25	0.011	0.200	5.500	MilliRem/hour	028
29 -01	ROOF SURFACE FOR BLDG 5	51	0.026	0.200	13.000	MilliRem/hour	038
29 -02	ROOF SURFACE FOR BLDGS 6,7&8	31	0.020	0.200	10.000	MilliRem/hour	038
29 -03	ROOF SURFACE FOR BLDG 8A	45	0.018	0.200	9.000	MilliRem/hour	038
29 -04	ROOF SURFACE FOR BLDG 9	34	0.017	0.200	8.500	MilliRem/hour	038
29 -05	ROOF SURFACE FOR HYDROGEN FACILITY	30	0.023	0.200	11.500	MilliRem/hour	038
29 -06	ROOF SURFACE FOR BLDGS 4,10,11,&FIREHALL	37	0.023	0.200	11.500	MilliRem/hour	038
29 -09	ROOF VENTS FOR BLDGS 9 & HYDROGEN FAC.	4	0.012	0.200	6.000	MilliRem/hour	038
** Subtotal **		2978					

TABLE 22
COMPARISON OF MAXIMUM RESULTS AGAINST ACCEPTANCE CRITERIA

LOCATION CODE	LOCATION DESCRIPTION	NUMBER OF SURVEY POINTS	MAXIMUM VALUE	RADIOLOGICAL ACCEPTANCE CRITERIA	MAXIMUM VALUE AS A % OF CRITERIA	UNITS FOR ALL VALUES	REPORT NUMBER
** SURVEY TYPE = MAXIMUM - BETA SCAN OF SURFACE NEAR SURVEY POINT							
01 -01	BUILDING 5, FIRST FLOOR	74	797.300	15000.000	5.315	DPM/100 cm^2	034
01 -03	BUILDING 5, FIRST FLOOR	69	621.900	15000.000	4.146	DPM/100 cm^2	034
01 -04	BUILDING 5, FIRST FLOOR	72	2182.400	15000.000	14.549	DPM/100 cm^2	034
01 -06	BUILDING 5, FIRST FLOOR	35	218.300	15000.000	1.455	DPM/100 cm^2	034
01 -07	BUILDING 5, FIRST FLOOR	30	1264.200	15000.000	8.428	DPM/100 cm^2	034
01 -08	BUILDING 5, FIRST FLOOR	65	1207.900	15000.000	8.053	DPM/100 cm^2	034
01 -09	BUILDING 5, FIRST FLOOR	63	616.900	15000.000	4.113	DPM/100 cm^2	034
01 -10	BUILDING 5, FIRST FLOOR	37	712.100	15000.000	4.747	DPM/100 cm^2	034
01 -13	BUILDING 5, FIRST FLOOR	31	340.500	15000.000	2.270	DPM/100 cm^2	034
01 -14	BUILDING 5, UPPER SURFACES, UNITS 6 & 10	60	797.300	15000.000	5.315	DPM/100 cm^2	034
02 -01	BUILDING 5, SECOND FLOOR	62	817.700	15000.000	5.451	DPM/100 cm^2	023
02 -02	BUILDING 5, SECOND FLOOR	64	1164.000	15000.000	7.760	DPM/100 cm^2	023
02 -03	BUILDING 5, SECOND FLOOR	30	753.700	15000.000	5.025	DPM/100 cm^2	023
02 -04	BUILDING 5, SECOND FLOOR	61	1236.800	15000.000	8.245	DPM/100 cm^2	023
03 -01	BUILDING 5, THIRD FLOOR	64	934.100	15000.000	6.227	DPM/100 cm^2	024
04 -01	BUILDING 6, FIRST FLOOR	71	910.800	15000.000	6.072	DPM/100 cm^2	017
04 -02	BUILDING 6, FIRST FLOOR	64	675.100	15000.000	4.501	DPM/100 cm^2	017
04 -03	BUILDING 6, FIRST FLOOR	63	704.200	15000.000	4.695	DPM/100 cm^2	017
04 -04	BUILDING 6, FIRST FLOOR	68	695.500	15000.000	4.637	DPM/100 cm^2	017
04 -05	BUILDING 6, FIRST FLOOR	91	680.900	15000.000	4.539	DPM/100 cm^2	017
04 -06	BUILDING 6, VENTILATION SYSTEMS	9	628.600	15000.000	4.191	DPM/100 cm^2	017
05 -01	BUILDING 6, SECOND FLOOR	74	1820.800	15000.000	12.139	DPM/100 cm^2	019
05 -02	BUILDING 6, SECOND FLOOR	60	701.300	15000.000	4.675	DPM/100 cm^2	019
06 -01	BUILDING 6A	86	748.800	15000.000	4.992	DPM/100 cm^2	014
06 -02	BUILDING 6A	67	710.400	15000.000	4.736	DPM/100 cm^2	014
06 -03	BUILDING 6A	60	1046.400	15000.000	6.976	DPM/100 cm^2	014
07 -01	BUILDING 7, FIRST FLOOR	70	921.600	15000.000	6.144	DPM/100 cm^2	012
07 -02	BUILDING 7, FIRST FLOOR	60	262.300	15000.000	1.749	DPM/100 cm^2	012
07 -03	BUILDING 7, FIRST FLOOR	70	67.200	15000.000	0.448	DPM/100 cm^2	012
07 -04	BUILDING 7, FIRST FLOOR	60	480.000	15000.000	3.200	DPM/100 cm^2	012

TABLE 22

COMPARISON OF MAXIMUM RESULTS AGAINST ACCEPTANCE CRITERIA

LOCATION CODE	LOCATION DESCRIPTION	NUMBER OF SURVEY POINTS	MAXIMUM VALUE	RADIOLOGICAL ACCEPTANCE CRITERIA	MAXIMUM VALUE AS A % OF CRITERIA	UNITS FOR ALL VALUES	REPORT NUMBER
07 -05	BUILDING 7, FIRST FLOOR	61	316.800	15000.000	2.112	DPM/100 cm^2	012
07 -06	BUILDING 7, FIRST FLOOR	67	745.600	15000.000	4.971	DPM/100 cm^2	012
08 -01	BUILDING 8A, FIRST FLOOR	99	850.700	15000.000	5.671	DPM/100 cm^2	035
08 -02	BUILDING 8A, FIRST FLOOR	76	465.000	15000.000	3.100	DPM/100 cm^2	035
08 -03	BUILDING 8A, FIRST FLOOR	63	1338.400	15000.000	8.923	DPM/100 cm^2	035
08 -04	BUILDING 8A, FIRST FLOOR	61	579.100	15000.000	3.861	DPM/100 cm^2	035
08 -05	BUILDING 8A, FIRST FLOOR	73	1072.500	15000.000	7.150	DPM/100 cm^2	035
09 -01	BUILDING 9, PIT	113	436.500	15000.000	2.910	DPM/100 cm^2	016
10 -01	BUILDING 9, FIRST FLOOR, EXT. STORAGE	30	811.900	15000.000	5.413	DPM/100 cm^2	020
10 -02	BUILDING 9, FIRST FLOOR	68	537.600	15000.000	3.584	DPM/100 cm^2	020
10 -03	BUILDING 9, FIRST FLOOR	62	752.000	15000.000	5.013	DPM/100 cm^2	020
10 -04	BUILDING 9, FIRST FLOOR	79	909.800	15000.000	6.065	DPM/100 cm^2	020
10 -05	BUILDING 9, FIRST FLOOR	61	657.700	15000.000	4.385	DPM/100 cm^2	020
10 -06	BUILDING 9, FIRST FLOOR	60	428.800	15000.000	2.859	DPM/100 cm^2	020
10 -08	BUILDING 9, FIRST FLOOR	66	692.600	15000.000	4.617	DPM/100 cm^2	020
10 -09	BUILDING 9, FIRST FLOOR	69	442.300	15000.000	2.949	DPM/100 cm^2	020
10 -10	BUILDING 9, FIRST FLOOR	61	851.200	15000.000	5.675	DPM/100 cm^2	020
10 -11	BUILDING 9, FIRST FLOOR	62	1152.000	15000.000	7.680	DPM/100 cm^2	020
10 -12	BUILDING 9, FIRST FLOOR	64	832.300	15000.000	5.549	DPM/100 cm^2	020
10 -14-1	BUILDING 9 PIPE CHASES - GROUP 1	251	4363.000	15000.000	29.087	DPM/100 cm^2	010
10 -14-2	BUILDING 9 PIPE CHASES - GROUP 2	177	3880.600	15000.000	25.871	DPM/100 cm^2	010
10 -14-3	BUILDING 9 PIPE CHASES - GROUP 3	92	1262.300	15000.000	8.415	DPM/100 cm^2	010
10 -14-4	BUILDING 9 PIPE CHASES - ASSOCIATED PITS	22	661.960	15000.000	4.413	DPM/100 cm^2	010
11 -01	HYDROGEN FACILITY	94	1213.700	15000.000	8.091	DPM/100 cm^2	033
14 -01	BUILDING 4, BASEMENT	29	904.600	15000.000	6.031	DPM/100 cm^2	015
14 -02	BUILDING 4, BASEMENT	31	432.000	15000.000	2.880	DPM/100 cm^2	015
15 -01	BUILDING 4, THIRD FLOOR	30	663.500	15000.000	4.423	DPM/100 cm^2	029
16 -01	BUILDING 12, FIRST FLOOR	30	213.500	15000.000	1.423	DPM/100 cm^2	027
27 -01	MONITORED DRAIN LINE PIT BEHIND BLDG. 5	20	1490.080	15000.000	9.934	DPM/100 cm^2	008
28A-01	BUILDING 4, FIRST FLOOR	48	1488.700	15000.000	9.925	DPM/100 cm^2	025
28A-02	BUILDING 4, SECOND FLOOR	32	1474.400	15000.000	9.829	DPM/100 cm^2	025

TABLE 22
COMPARISON OF MAXIMUM RESULTS AGAINST ACCEPTANCE CRITERIA

LOCATION CODE	LOCATION DESCRIPTION	NUMBER OF SURVEY POINTS	MAXIMUM VALUE	RADIOLOGICAL ACCEPTANCE CRITERIA	MAXIMUM VALUE AS A % OF CRITERIA	UNITS FOR ALL VALUES	REPORT NUMBER
28B-01	BUILDING 5, FOURTH FLOOR	30	184.700	15000.000	1.231	DPM/100 cm^2	030
28C-01	BUILDING 5A	30	289.400	15000.000	1.929	DPM/100 cm^2	026
28D-01	BUILDING 7, SECOND FLOOR	30	333.800	15000.000	2.225	DPM/100 cm^2	013
28E-01	BUILDING 8	52	1043.000	15000.000	6.953	DPM/100 cm^2	011
28F-01	BUILDING 8A, SECOND FLOOR	36	2170.900	15000.000	14.473	DPM/100 cm^2	032
28G-01	BUILDING 9, SECOND FLOOR	36	274.200	15000.000	1.828	DPM/100 cm^2	022
28H-01	BUILDING 10, FIRST FLOOR	35	368.800	15000.000	2.459	DPM/100 cm^2	021
28H-02	BUILDING 10, SECOND FLOOR	32	300.600	15000.000	2.004	DPM/100 cm^2	021
28I-01	BUILDING 11, FIRST FLOOR	36	203.900	15000.000	1.359	DPM/100 cm^2	018
28I-02	BUILDING 11, SECOND FLOOR	36	1850.800	15000.000	12.339	DPM/100 cm^2	018
28J-01	FIREHALL	30	599.500	15000.000	3.997	DPM/100 cm^2	031
28K-01	INCINERATOR BUILDING	18	98.320	15000.000	0.655	DPM/100 cm^2	005
28K-02	INCINERATOR BLDG. - INSIDE INCINERATOR	20	3339.280	15000.000	22.262	DPM/100 cm^2	005
28K-03	INCINERATOR BUILDING - INSIDE CHIMNEY	8	1125.600	15000.000	7.504	DPM/100 cm^2	005
28L-01	BUILDING 12, SECOND FLOOR	30	689.700	15000.000	4.598	DPM/100 cm^2	028
29 -01	ROOF SURFACE FOR BLDG 5	51	1774.500	15000.000	11.830	DPM/100 cm^2	038
29 -02	ROOF SURFACE FOR BLDGS 6,7&8	31	1123.200	15000.000	7.488	DPM/100 cm^2	038
29 -03	ROOF SURFACE FOR BLDG 8A	45	1540.800	15000.000	10.272	DPM/100 cm^2	038
29 -04	ROOF SURFACE FOR BLDG 9	34	1015.200	15000.000	6.768	DPM/100 cm^2	038
29 -05	ROOF SURFACE FOR HYDROGEN FACILITY	30	1594.800	15000.000	10.632	DPM/100 cm^2	038
29 -06	ROOF SURFACE FOR BLDGS 4,10,11,&FIREHALL	37	1131.000	15000.000	7.540	DPM/100 cm^2	038
29 -09	ROOF VENTS FOR BLDGS 9 & HYDROGEN FAC.	18	489.600	15000.000	3.264	DPM/100 cm^2	038
** Subtotal **		4646					

TABLE 22

COMPARISON OF MAXIMUM RESULTS AGAINST ACCEPTANCE CRITERIA

LOCATION CODE	LOCATION DESCRIPTION	NUMBER OF SURVEY POINTS	MAXIMUM VALUE	RADIOLOGICAL ACCEPTANCE CRITERIA	MAXIMUM VALUE AS A % OF CRITERIA	UNITS FOR ALL VALUES	REPORT NUMBER
** SURVEY TYPE = AVERAGE - BETA SCAN OF SURFACE WEAR SURVEY POINT							
01 -01	BUILDING 5, FIRST FLOOR	74	547.100	5000.000	10.942	DPM/100 cm^2	034
01 -03	BUILDING 5, FIRST FLOOR	69	282.700	5000.000	5.654	DPM/100 cm^2	034
01 -04	BUILDING 5, FIRST FLOOR	72	1952.000	5000.000	39.040	DPM/100 cm^2	034
01 -06	BUILDING 5, FIRST FLOOR	35	153.500	5000.000	3.070	DPM/100 cm^2	034
01 -07	BUILDING 5, FIRST FLOOR	30	941.700	5000.000	18.834	DPM/100 cm^2	034
01 -08	BUILDING 5, FIRST FLOOR	65	472.100	5000.000	9.442	DPM/100 cm^2	034
01 -09	BUILDING 5, FIRST FLOOR	63	462.700	5000.000	9.254	DPM/100 cm^2	034
01 -10	BUILDING 5, FIRST FLOOR	37	304.400	5000.000	6.088	DPM/100 cm^2	034
01 -13	BUILDING 5, FIRST FLOOR	31	200.800	5000.000	4.016	DPM/100 cm^2	034
01 -14	BUILDING 5, UPPER SURFACES, UNITS 6 & 10	60	480.200	5000.000	9.604	DPM/100 cm^2	034
02 -01	BUILDING 5, SECOND FLOOR	62	518.000	5000.000	10.360	DPM/100 cm^2	023
02 -02	BUILDING 5, SECOND FLOOR	64	689.700	5000.000	13.794	DPM/100 cm^2	023
02 -03	BUILDING 5, SECOND FLOOR	30	464.000	5000.000	9.280	DPM/100 cm^2	023
02 -04	BUILDING 5, SECOND FLOOR	61	759.500	5000.000	15.190	DPM/100 cm^2	023
03 -01	BUILDING 5, THIRD FLOOR	64	416.100	5000.000	8.322	DPM/100 cm^2	024
04 -01	BUILDING 6, FIRST FLOOR	71	622.700	5000.000	12.454	DPM/100 cm^2	017
04 -02	BUILDING 6, FIRST FLOOR	64	413.200	5000.000	8.264	DPM/100 cm^2	017
04 -03	BUILDING 6, FIRST FLOOR	63	454.000	5000.000	9.080	DPM/100 cm^2	017
04 -04	BUILDING 6, FIRST FLOOR	68	442.300	5000.000	8.846	DPM/100 cm^2	017
04 -05	BUILDING 6, FIRST FLOOR	91	331.700	5000.000	6.634	DPM/100 cm^2	017
04 -06	BUILDING 6, VENTILATION SYSTEMS	9	276.500	5000.000	5.530	DPM/100 cm^2	017
05 -01	BUILDING 6, SECOND FLOOR	74	1532.800	5000.000	30.656	DPM/100 cm^2	019
05 -02	BUILDING 6, SECOND FLOOR	60	456.900	5000.000	9.138	DPM/100 cm^2	019
06 -01	BUILDING 6A	86	380.800	5000.000	7.616	DPM/100 cm^2	014
06 -02	BUILDING 6A	67	326.400	5000.000	6.528	DPM/100 cm^2	014
06 -03	BUILDING 6A	60	438.400	5000.000	8.768	DPM/100 cm^2	014
07 -01	BUILDING 7, FIRST FLOOR	70	370.800	5000.000	7.416	DPM/100 cm^2	012
07 -02	BUILDING 7, FIRST FLOOR	60	201.500	5000.000	4.030	DPM/100 cm^2	012
07 -03	BUILDING 7, FIRST FLOOR	70	-16.000	5000.000	-0.320	DPM/100 cm^2	012
07 -04	BUILDING 7, FIRST FLOOR	60	371.200	5000.000	7.424	DPM/100 cm^2	012

TABLE 22
COMPARISON OF MAXIMUM RESULTS AGAINST ACCEPTANCE CRITERIA

LOCATION CODE	LOCATION DESCRIPTION	NUMBER OF SURVEY POINTS	MAXIMUM VALUE	RADIOLOGICAL ACCEPTANCE CRITERIA	MAXIMUM VALUE AS A % OF CRITERIA	UNITS FOR ALL VALUES	REPORT NUMBER
07 -05	BUILDING 7, FIRST FLOOR	61	198.400	5000.000	3.968	DPM/100 cm^2	012
07 -06	BUILDING 7, FIRST FLOOR	67	524.800	5000.000	10.496	DPM/100 cm^2	012
08 -01	BUILDING 8A, FIRST FLOOR	99	327.600	5000.000	6.552	DPM/100 cm^2	035
08 -02	BUILDING 8A, FIRST FLOOR	76	249.600	5000.000	4.992	DPM/100 cm^2	035
08 -03	BUILDING 8A, FIRST FLOOR	63	1238.500	5000.000	24.770	DPM/100 cm^2	035
08 -04	BUILDING 8A, FIRST FLOOR	61	275.800	5000.000	5.516	DPM/100 cm^2	035
08 -05	BUILDING 8A, FIRST FLOOR	73	635.700	5000.000	12.714	DPM/100 cm^2	035
09 -01	BUILDING 9, PIT	113	177.500	5000.000	3.550	DPM/100 cm^2	016
10 -01	BUILDING 9, FIRST FLOOR, EXT. STORAGE	30	550.000	5000.000	11.000	DPM/100 cm^2	020
10 -02	BUILDING 9, FIRST FLOOR	68	467.200	5000.000	9.344	DPM/100 cm^2	020
10 -03	BUILDING 9, FIRST FLOOR	62	326.400	5000.000	6.528	DPM/100 cm^2	020
10 -04	BUILDING 9, FIRST FLOOR	79	284.800	5000.000	5.696	DPM/100 cm^2	020
10 -05	BUILDING 9, FIRST FLOOR	61	308.500	5000.000	6.170	DPM/100 cm^2	020
10 -06	BUILDING 9, FIRST FLOOR	60	358.400	5000.000	7.168	DPM/100 cm^2	020
10 -08	BUILDING 9, FIRST FLOOR	66	404.500	5000.000	8.090	DPM/100 cm^2	020
10 -09	BUILDING 9, FIRST FLOOR	69	183.300	5000.000	3.666	DPM/100 cm^2	020
10 -10	BUILDING 9, FIRST FLOOR	61	390.400	5000.000	7.808	DPM/100 cm^2	020
10 -11	BUILDING 9, FIRST FLOOR	62	864.000	5000.000	17.280	DPM/100 cm^2	020
10 -12	BUILDING 9, FIRST FLOOR	64	590.700	5000.000	11.814	DPM/100 cm^2	020
10 -14-1	BUILDING 9 PIPE CHASES - GROUP 1	251	2219.000	5000.000	44.380	DPM/100 cm^2	010
10 -14-2	BUILDING 9 PIPE CHASES - GROUP 2	177	1200.600	5000.000	24.012	DPM/100 cm^2	010
10 -14-3	BUILDING 9 PIPE CHASES - GROUP 3	92	394.000	5000.000	7.880	DPM/100 cm^2	010
10 -14-4	BUILDING 9 PIPE CHASES - ASSOCIATED PITS	22	434.160	5000.000	8.683	DPM/100 cm^2	010
11 -01	HYDROGEN FACILITY	94	533.300	5000.000	10.666	DPM/100 cm^2	033
14 -01	BUILDING 4, BASEMENT	29	596.200	5000.000	11.924	DPM/100 cm^2	015
14 -02	BUILDING 4, BASEMENT	31	288.000	5000.000	5.760	DPM/100 cm^2	015
15 -01	BUILDING 4, THIRD FLOOR	30	285.200	5000.000	5.704	DPM/100 cm^2	029
16 -01	BUILDING 12, FIRST FLOOR	30	157.500	5000.000	3.150	DPM/100 cm^2	027
27 -01	MONITORED DRAIN LINE PIT BEHIND BLDG. 5	20	206.360	5000.000	4.127	DPM/100 cm^2	008
28A-01	BUILDING 4, FIRST FLOOR	48	1440.900	5000.000	28.818	DPM/100 cm^2	025
28A-02	BUILDING 4, SECOND FLOOR	32	1459.100	5000.000	29.182	DPM/100 cm^2	025

TABLE 22

COMPARISON OF MAXIMUM RESULTS AGAINST ACCEPTANCE CRITERIA

LOCATION CODE	LOCATION DESCRIPTION	NUMBER OF SURVEY POINTS	MAXIMUM VALUE	RADIOLOGICAL ACCEPTANCE CRITERIA	MAXIMUM VALUE AS A % OF CRITERIA	UNITS FOR ALL VALUES	REPORT NUMBER
28B-01	BUILDING 5, FOURTH FLOOR	30	119.100	5000.000	2.382	DPM/100 cm^2	030
28C-01	BUILDING 5A	30	251.900	5000.000	5.038	DPM/100 cm^2	026
28D-01	BUILDING 7, SECOND FLOOR	30	311.800	5000.000	6.236	DPM/100 cm^2	013
28E-01	BUILDING 8	52	659.200	5000.000	13.184	DPM/100 cm^2	011
28F-01	BUILDING 8A, SECOND FLOOR	36	1618.000	5000.000	32.360	DPM/100 cm^2	032
28G-01	BUILDING 9, SECOND FLOOR	36	227.900	5000.000	4.558	DPM/100 cm^2	022
28H-01	BUILDING 10, FIRST FLOOR	35	309.100	5000.000	6.182	DPM/100 cm^2	021
28H-02	BUILDING 10, SECOND FLOOR	32	243.900	5000.000	4.878	DPM/100 cm^2	021
28I-01	BUILDING 11, FIRST FLOOR	36	76.000	5000.000	1.520	DPM/100 cm^2	018
28I-02	BUILDING 11, SECOND FLOOR	36	1466.600	5000.000	29.332	DPM/100 cm^2	018
28J-01	FIREHALL	30	401.600	5000.000	8.032	DPM/100 cm^2	031
28K-01	INCINERATOR BUILDING	18	78.460	5000.000	1.569	DPM/100 cm^2	005
28K-02	INCINERATOR BLDG. - INSIDE INCINERATOR	20	2535.280	5000.000	50.706	DPM/100 cm^2	005
28K-03	INCINERATOR BUILDING - INSIDE CHIMNEY	8	589.600	5000.000	11.792	DPM/100 cm^2	005
28L-01	BUILDING 12, SECOND FLOOR	30	552.900	5000.000	11.058	DPM/100 cm^2	028
29 -01	ROOF SURFACE FOR BLDG 5	51	1298.700	5000.000	25.974	DPM/100 cm^2	038
29 -02	ROOF SURFACE FOR BLDGS 6,7&8	31	159.900	5000.000	3.198	DPM/100 cm^2	038
29 -03	ROOF SURFACE FOR BLDG 8A	45	748.800	5000.000	14.976	DPM/100 cm^2	038
29 -04	ROOF SURFACE FOR BLDG 9	34	583.200	5000.000	11.664	DPM/100 cm^2	038
29 -05	ROOF SURFACE FOR HYDROGEN FACILITY	30	1335.600	5000.000	26.712	DPM/100 cm^2	038
29 -06	ROOF SURFACE FOR BLDGS 4,10,11,&FIREHALL	37	842.400	5000.000	16.848	DPM/100 cm^2	038
29 -09	ROOF VENTS FOR BLDGS 9 & HYDROGEN FAC.	18	147.600	5000.000	2.952	DPM/100 cm^2	038
** Subtotal **		4646					

TABLE 22

COMPARISON OF MAXIMUM RESULTS AGAINST ACCEPTANCE CRITERIA

LOCATION CODE	LOCATION DESCRIPTION	NUMBER OF SURVEY POINTS	MAXIMUM VALUE	RADIOLOGICAL ACCEPTANCE CRITERIA	MAXIMUM VALUE AS A % OF CRITERIA	UNITS FOR ALL VALUES	REPORT NUMBER
** SURVEY TYPE = FIXED ALPHA SURVEY AT SURVEY POINT							
01 -01	BUILDING 5, FIRST FLOOR	74	30.300	5000.000	0.606	DPM/100 cm^2	034
01 -03	BUILDING 5, FIRST FLOOR	69	30.300	5000.000	0.606	DPM/100 cm^2	034
01 -04	BUILDING 5, FIRST FLOOR	67	243.800	5000.000	4.876	DPM/100 cm^2	034
01 -06	BUILDING 5, FIRST FLOOR	35	11.000	5000.000	0.220	DPM/100 cm^2	034
01 -07	BUILDING 5, FIRST FLOOR	29	20.800	5000.000	0.416	DPM/100 cm^2	034
01 -08	BUILDING 5, FIRST FLOOR	65	30.900	5000.000	0.618	DPM/100 cm^2	034
01 -09	BUILDING 5, FIRST FLOOR	63	34.600	5000.000	0.692	DPM/100 cm^2	034
01 -10	BUILDING 5, FIRST FLOOR	37	9.200	5000.000	0.184	DPM/100 cm^2	034
01 -13	BUILDING 5, FIRST FLOOR	31	17.300	5000.000	0.346	DPM/100 cm^2	034
01 -14	BUILDING 5, UPPER SURFACES, UNITS 6 & 10	60	30.300	5000.000	0.606	DPM/100 cm^2	034
02 -01	BUILDING 5, SECOND FLOOR	62	30.300	5000.000	0.606	DPM/100 cm^2	023
02 -02	BUILDING 5, SECOND FLOOR	64	39.000	5000.000	0.780	DPM/100 cm^2	023
02 -03	BUILDING 5, SECOND FLOOR	30	43.300	5000.000	0.866	DPM/100 cm^2	023
02 -04	BUILDING 5, SECOND FLOOR	61	39.000	5000.000	0.780	DPM/100 cm^2	023
03 -01	BUILDING 5, THIRD FLOOR	64	39.000	5000.000	0.780	DPM/100 cm^2	024
04 -01	BUILDING 6, FIRST FLOOR	71	99.600	5000.000	1.992	DPM/100 cm^2	017
04 -02	BUILDING 6, FIRST FLOOR	64	17.300	5000.000	0.346	DPM/100 cm^2	017
04 -03	BUILDING 6, FIRST FLOOR	63	21.700	5000.000	0.434	DPM/100 cm^2	017
04 -04	BUILDING 6, FIRST FLOOR	67	21.700	5000.000	0.434	DPM/100 cm^2	017
04 -05	BUILDING 6, FIRST FLOOR	91	21.700	5000.000	0.434	DPM/100 cm^2	017
04 -06	BUILDING 6, VENTILATION SYSTEMS	9	13.000	5000.000	0.260	DPM/100 cm^2	017
05 -01	BUILDING 6, SECOND FLOOR	74	101.200	5000.000	2.024	DPM/100 cm^2	019
05 -02	BUILDING 6, SECOND FLOOR	60	43.300	5000.000	0.866	DPM/100 cm^2	019
06 -01	BUILDING 6A	86	24.800	5000.000	0.496	DPM/100 cm^2	014
06 -02	BUILDING 6A	67	23.000	5000.000	0.460	DPM/100 cm^2	014
06 -03	BUILDING 6A	60	24.800	5000.000	0.496	DPM/100 cm^2	014
07 -01	BUILDING 7, FIRST FLOOR	70	23.000	5000.000	0.460	DPM/100 cm^2	012
07 -02	BUILDING 7, FIRST FLOOR	60	13.800	5000.000	0.276	DPM/100 cm^2	012
07 -03	BUILDING 7, FIRST FLOOR	70	13.800	5000.000	0.276	DPM/100 cm^2	012
07 -04	BUILDING 7, FIRST FLOOR	60	27.600	5000.000	0.552	DPM/100 cm^2	012

TABLE 22

COMPARISON OF MAXIMUM RESULTS AGAINST ACCEPTANCE CRITERIA

LOCATION CODE	LOCATION DESCRIPTION	NUMBER OF SURVEY POINTS	MAXIMUM RADIOLOGICAL VALUE	ACCEPTANCE CRITERIA	MAXIMUM VALUE AS A % OF CRITERIA	UNITS FOR ALL VALUES	REPORT NUMBER
07 -05	BUILDING 7, FIRST FLOOR	61	13.800	5000.000	0.276	DPM/100 cm^2	012
07 -06	BUILDING 7, FIRST FLOOR	67	23.000	5000.000	0.460	DPM/100 cm^2	012
08 -01	BUILDING 8A, FIRST FLOOR	99	15.600	5000.000	0.312	DPM/100 cm^2	035
08 -02	BUILDING 8A, FIRST FLOOR	76	20.800	5000.000	0.416	DPM/100 cm^2	035
08 -03	BUILDING 8A, FIRST FLOOR	63	17.300	5000.000	0.346	DPM/100 cm^2	035
08 -04	BUILDING 8A, FIRST FLOOR	61	21.700	5000.000	0.434	DPM/100 cm^2	035
08 -05	BUILDING 8A, FIRST FLOOR	73	15.600	5000.000	0.312	DPM/100 cm^2	035
08 -06	BUILDING 8A, FIRST FLOOR, SPECIAL GRIDS	415	20.500	5000.000	0.410	DPM/100 cm^2	035
09 -01	BUILDING 9, PIT	113	103.920	5000.000	2.078	DPM/100 cm^2	016
10 -01	BUILDING 9, FIRST FLOOR, EXT. STORAGE	30	13.000	5000.000	0.260	DPM/100 cm^2	020
10 -02	BUILDING 9, FIRST FLOOR	68	18.100	5000.000	0.362	DPM/100 cm^2	020
10 -03	BUILDING 9, FIRST FLOOR	62	18.400	5000.000	0.368	DPM/100 cm^2	020
10 -04	BUILDING 9, FIRST FLOOR	79	23.000	5000.000	0.460	DPM/100 cm^2	020
10 -05	BUILDING 9, FIRST FLOOR	61	26.000	5000.000	0.520	DPM/100 cm^2	020
10 -06	BUILDING 9, FIRST FLOOR	60	14.700	5000.000	0.294	DPM/100 cm^2	020
10 -08	BUILDING 9, FIRST FLOOR	66	129.900	5000.000	2.598	DPM/100 cm^2	020
10 -09	BUILDING 9, FIRST FLOOR	69	27.600	5000.000	0.552	DPM/100 cm^2	020
10 -10	BUILDING 9, FIRST FLOOR	61	21.500	5000.000	0.430	DPM/100 cm^2	020
10 -11	BUILDING 9, FIRST FLOOR	62	23.000	5000.000	0.460	DPM/100 cm^2	020
10 -12	BUILDING 9, FIRST FLOOR	64	73.600	5000.000	1.472	DPM/100 cm^2	020
10 -14-1	BUILDING 9 PIPE CHASES - GROUP 1	251	535.100	5000.000	10.702	DPM/100 cm^2	010
10 -14-2	BUILDING 9 PIPE CHASES - GROUP 2	177	250.900	5000.000	5.018	DPM/100 cm^2	010
10 -14-3	BUILDING 9 PIPE CHASES - GROUP 3	92	29.500	5000.000	0.590	DPM/100 cm^2	010
10 -14-4	BUILDING 9 PIPE CHASES - ASSOCIATED PITS	22	25.830	5000.000	0.517	DPM/100 cm^2	010
11 -01	HYDROGEN FACILITY	98	76.900	5000.000	1.538	DPM/100 cm^2	033
14 -01	BUILDING 4, BASEMENT	29	13.200	5000.000	0.264	DPM/100 cm^2	015
14 -02	BUILDING 4, BASEMENT	31	27.600	5000.000	0.552	DPM/100 cm^2	015
15 -01	BUILDING 4, THIRD FLOOR	30	21.700	5000.000	0.434	DPM/100 cm^2	029
16 -01	BUILDING 12, FIRST FLOOR	30	15.900	5000.000	0.318	DPM/100 cm^2	027
27 -01	MONITORED DRAIN LINE PIT BEHIND BLDG. 5	20	4.430	5000.000	0.089	DPM/100 cm^2	008
28A-01	BUILDING 4, FIRST FLOOR	48	34.600	5000.000	0.692	DPM/100 cm^2	025

TABLE 22
COMPARISON OF MAXIMUM RESULTS AGAINST ACCEPTANCE CRITERIA

LOCATION CODE	LOCATION DESCRIPTION	NUMBER OF SURVEY POINTS	MAXIMUM VALUE	RADIOLOGICAL ACCEPTANCE CRITERIA	MAXIMUM VALUE AS A % OF CRITERIA	UNITS FOR ALL VALUES	REPORT NUMBER
28A-02	BUILDING 4, SECOND FLOOR	32	28.200	5000.000	0.564	DPM/100 cm^2	025
28B-01	BUILDING 5, FOURTH FLOOR	30	24.400	5000.000	0.488	DPM/100 cm^2	030
28C-01	BUILDING 5A	30	7.300	5000.000	0.146	DPM/100 cm^2	026
28D-01	BUILDING 7, SECOND FLOOR	30	15.800	5000.000	0.316	DPM/100 cm^2	013
28E-01	BUILDING 8	52	18.400	5000.000	0.368	DPM/100 cm^2	011
28F-01	BUILDING 8A, SECOND FLOOR	36	69.300	5000.000	1.386	DPM/100 cm^2	032
28G-01	BUILDING 9, SECOND FLOOR	36	8.500	5000.000	0.170	DPM/100 cm^2	022
28H-01	BUILDING 10, FIRST FLOOR	35	29.300	5000.000	0.586	DPM/100 cm^2	021
28H-02	BUILDING 10, SECOND FLOOR	32	14.700	5000.000	0.294	DPM/100 cm^2	021
28I-01	BUILDING 11, FIRST FLOOR	36	20.800	5000.000	0.416	DPM/100 cm^2	018
28I-02	BUILDING 11, SECOND FLOOR	36	69.300	5000.000	1.386	DPM/100 cm^2	018
28J-01	FIREHALL	30	17.300	5000.000	0.346	DPM/100 cm^2	031
28K-01	INCINERATOR BUILDING	18	2.510	5000.000	0.050	DPM/100 cm^2	005
28K-02	INCINERATOR BLDG. - INSIDE INCINERATOR	12	-3.690	5000.000	-0.074	DPM/100 cm^2	005
28L-01	BUILDING 12, SECOND FLOOR	30	13.000	5000.000	0.260	DPM/100 cm^2	028
29 -01	ROOF SURFACE FOR BLDG 5	51	321.300	5000.000	6.426	DPM/100 cm^2	038
29 -02	ROOF SURFACE FOR BLDGS 6,7&8	31	41.600	5000.000	0.832	DPM/100 cm^2	038
29 -03	ROOF SURFACE FOR BLDG 8A	45	66.300	5000.000	1.326	DPM/100 cm^2	038
29 -04	ROOF SURFACE FOR BLDG 9	34	66.300	5000.000	1.326	DPM/100 cm^2	038
29 -05	ROOF SURFACE FOR HYDROGEN FACILITY	30	132.600	5000.000	2.652	DPM/100 cm^2	038
29 -06	ROOF SURFACE FOR BLDGS 4,10,11,&FIREHALL	37	51.000	5000.000	1.020	DPM/100 cm^2	038
29 -07	ROOF VENTS FOR BLDG 5	49	86.700	5000.000	1.734	DPM/100 cm^2	038
29 -08	ROOF VENTS FOR BLDGS 6,7,&8A	22	188.700	5000.000	3.774	DPM/100 cm^2	038
29 -09	ROOF VENTS FOR BLDGS 9 & HYDROGEN FAC.	49	255.000	5000.000	5.100	DPM/100 cm^2	038
29 -10	ROOF VENTS FOR BLDGS 4,8,10,11& FIREHALL	36	295.800	5000.000	5.916	DPM/100 cm^2	038
** Subtotal **		5180					

TABLE 22

COMPARISON OF MAXIMUM RESULTS AGAINST ACCEPTANCE CRITERIA

LOCATION CODE	LOCATION DESCRIPTION	NUMBER OF SURVEY POINTS	MAXIMUM VALUE	RADIOLOGICAL ACCEPTANCE CRITERIA	MAXIMUM VALUE AS A % OF CRITERIA	UNITS FOR ALL VALUES	REPORT NUMBER
** SURVEY TYPE = FIXED BETA SURVEY AT SURVEY POINT							
01 -01	BUILDING 5, FIRST FLOOR	74	759.500	5000.000	15.190	DPM/100 cm^2	034
01 -03	BUILDING 5, FIRST FLOOR	69	226.200	5000.000	4.524	DPM/100 cm^2	034
01 -04	BUILDING 5, FIRST FLOOR	67	2230.400	5000.000	44.608	DPM/100 cm^2	034
01 -06	BUILDING 5, FIRST FLOOR	35	131.900	5000.000	2.638	DPM/100 cm^2	034
01 -07	BUILDING 5, FIRST FLOOR	30	754.000	5000.000	15.080	DPM/100 cm^2	034
01 -08	BUILDING 5, FIRST FLOOR	65	289.000	5000.000	5.780	DPM/100 cm^2	034
01 -09	BUILDING 5, FIRST FLOOR	63	509.300	5000.000	10.186	DPM/100 cm^2	034
01 -10	BUILDING 5, FIRST FLOOR	37	1171.300	5000.000	23.426	DPM/100 cm^2	034
01 -13	BUILDING 5, FIRST FLOOR	31	104.800	5000.000	2.096	DPM/100 cm^2	034
01 -14	BUILDING 5, UPPER SURFACES, UNITS 6 & 10	60	672.200	5000.000	13.444	DPM/100 cm^2	034
02 -01	BUILDING 5, SECOND FLOOR	62	579.100	5000.000	11.582	DPM/100 cm^2	023
02 -02	BUILDING 5, SECOND FLOOR	64	777.000	5000.000	15.540	DPM/100 cm^2	023
02 -03	BUILDING 5, SECOND FLOOR	30	604.800	5000.000	12.096	DPM/100 cm^2	023
02 -04	BUILDING 5, SECOND FLOOR	61	759.500	5000.000	15.190	DPM/100 cm^2	023
03 -01	BUILDING 5, THIRD FLOOR	64	663.500	5000.000	13.270	DPM/100 cm^2	024
04 -01	BUILDING 6, FIRST FLOOR	71	611.100	5000.000	12.222	DPM/100 cm^2	017
04 -02	BUILDING 6, FIRST FLOOR	64	518.000	5000.000	10.360	DPM/100 cm^2	017
04 -03	BUILDING 6, FIRST FLOOR	63	468.500	5000.000	9.370	DPM/100 cm^2	017
04 -04	BUILDING 6, FIRST FLOOR	68	453.200	5000.000	9.064	DPM/100 cm^2	017
04 -05	BUILDING 6, FIRST FLOOR	91	419.000	5000.000	8.380	DPM/100 cm^2	017
04 -06	BUILDING 6, VENTILATION SYSTEMS	9	145.500	5000.000	2.910	DPM/100 cm^2	017
05 -01	BUILDING 6, SECOND FLOOR	74	998.400	5000.000	19.968	DPM/100 cm^2	019
05 -02	BUILDING 6, SECOND FLOOR	60	558.700	5000.000	11.174	DPM/100 cm^2	019
06 -01	BUILDING 6A	86	761.600	5000.000	15.232	DPM/100 cm^2	014
06 -02	BUILDING 6A	67	1209.600	5000.000	24.192	DPM/100 cm^2	014
06 -03	BUILDING 6A	60	486.400	5000.000	9.728	DPM/100 cm^2	014
07 -01	BUILDING 7, FIRST FLOOR	70	327.000	5000.000	6.540	DPM/100 cm^2	012
07 -02	BUILDING 7, FIRST FLOOR	60	292.700	5000.000	5.854	DPM/100 cm^2	012
07 -03	BUILDING 7, FIRST FLOOR	70	-11.400	5000.000	-0.228	DPM/100 cm^2	012
07 -04	BUILDING 7, FIRST FLOOR	60	576.000	5000.000	11.520	DPM/100 cm^2	012

TABLE 22
COMPARISON OF MAXIMUM RESULTS AGAINST ACCEPTANCE CRITERIA

LOCATION CODE	LOCATION DESCRIPTION	NUMBER OF SURVEY POINTS	MAXIMUM VALUE	RADIOLOGICAL ACCEPTANCE CRITERIA	MAXIMUM VALUE AS A % OF CRITERIA	UNITS FOR ALL VALUES	REPORT NUMBER
07 -05	BUILDING 7, FIRST FLOOR	61	243.200	5000.000	4.864	DPM/100 cm^2	012
07 -06	BUILDING 7, FIRST FLOOR	67	608.000	5000.000	12.160	DPM/100 cm^2	012
08 -01	BUILDING 8A, FIRST FLOOR	99	382.200	5000.000	7.644	DPM/100 cm^2	035
08 -02	BUILDING 8A, FIRST FLOOR	76	273.000	5000.000	5.460	DPM/100 cm^2	035
08 -03	BUILDING 8A, FIRST FLOOR	63	1260.900	5000.000	25.218	DPM/100 cm^2	035
08 -04	BUILDING 8A, FIRST FLOOR	61	296.600	5000.000	5.932	DPM/100 cm^2	035
08 -05	BUILDING 8A, FIRST FLOOR	73	682.500	5000.000	13.650	DPM/100 cm^2	035
08 -06	BUILDING 8A, FIRST FLOOR, SPECIAL GRIDS	415	203.600	5000.000	4.072	DPM/100 cm^2	035
09 -01	BUILDING 9, PIT	113	194.970	5000.000	3.899	DPM/100 cm^2	016
10 -01	BUILDING 9, FIRST FLOOR, EXT. STORAGE	30	523.800	5000.000	10.476	DPM/100 cm^2	020
10 -02	BUILDING 9, FIRST FLOOR	68	422.400	5000.000	8.448	DPM/100 cm^2	020
10 -03	BUILDING 9, FIRST FLOOR	62	361.600	5000.000	7.232	DPM/100 cm^2	020
10 -04	BUILDING 9, FIRST FLOOR	79	320.000	5000.000	6.400	DPM/100 cm^2	020
10 -05	BUILDING 9, FIRST FLOOR	61	445.200	5000.000	8.904	DPM/100 cm^2	020
10 -06	BUILDING 9, FIRST FLOOR	60	304.000	5000.000	6.080	DPM/100 cm^2	020
10 -08	BUILDING 9, FIRST FLOOR	66	509.300	5000.000	10.186	DPM/100 cm^2	020
10 -09	BUILDING 9, FIRST FLOOR	69	253.200	5000.000	5.064	DPM/100 cm^2	020
10 -10	BUILDING 9, FIRST FLOOR	61	337.600	5000.000	6.752	DPM/100 cm^2	020
10 -11	BUILDING 9, FIRST FLOOR	62	921.600	5000.000	18.432	DPM/100 cm^2	020
10 -12	BUILDING 9, FIRST FLOOR	64	704.200	5000.000	14.084	DPM/100 cm^2	020
10 -14-1	BUILDING 9 PIPE CHASES - GROUP 1	251	3934.200	5000.000	78.684	DPM/100 cm^2	010
10 -14-2	BUILDING 9 PIPE CHASES - GROUP 2	177	1173.800	5000.000	23.476	DPM/100 cm^2	010
10 -14-3	BUILDING 9 PIPE CHASES - GROUP 3	92	375.200	5000.000	7.504	DPM/100 cm^2	010
10 -14-4	BUILDING 9 PIPE CHASES - ASSOCIATED PITS	22	557.440	5000.000	11.149	DPM/100 cm^2	010
11 -01	HYDROGEN FACILITY	98	889.200	5000.000	17.784	DPM/100 cm^2	033
14 -01	BUILDING 4, BASEMENT	29	652.800	5000.000	13.056	DPM/100 cm^2	015
14 -02	BUILDING 4, BASEMENT	31	387.200	5000.000	7.744	DPM/100 cm^2	015
15 -01	BUILDING 4, THIRD FLOOR	30	480.200	5000.000	9.604	DPM/100 cm^2	029
16 -01	BUILDING 12, FIRST FLOOR	30	202.300	5000.000	4.046	DPM/100 cm^2	027
27 -01	MONITORED DRAIN LINE PIT BEHIND BLDG. 5	20	353.760	5000.000	7.075	DPM/100 cm^2	008
28A-01	BUILDING 4, FIRST FLOOR	48	1460.700	5000.000	29.214	DPM/100 cm^2	025

TABLE 22

COMPARISON OF MAXIMUM RESULTS AGAINST ACCEPTANCE CRITERIA

LOCATION CODE	LOCATION DESCRIPTION	NUMBER OF SURVEY POINTS	MAXIMUM VALUE	RADIOLOGICAL ACCEPTANCE CRITERIA	MAXIMUM VALUE AS A % OF CRITERIA	UNITS FOR ALL VALUES	REPORT NUMBER
28A-02	BUILDING 4, SECOND FLOOR	32	1482.000	5000.000	29.640	DPM/100 cm^2	025
28B-01	BUILDING 5, FOURTH FLOOR	30	116.700	5000.000	2.334	DPM/100 cm^2	030
28C-01	BUILDING 5A	30	250.300	5000.000	5.006	DPM/100 cm^2	026
28D-01	BUILDING 7, SECOND FLOOR	30	217.500	5000.000	4.350	DPM/100 cm^2	013
28E-01	BUILDING 8	52	979.200	5000.000	19.584	DPM/100 cm^2	011
28F-01	BUILDING 8A, SECOND FLOOR	36	1563.100	5000.000	31.262	DPM/100 cm^2	032
28G-01	BUILDING 9, SECOND FLOOR	36	298.200	5000.000	5.964	DPM/100 cm^2	022
28H-01	BUILDING 10, FIRST FLOOR	35	338.200	5000.000	6.764	DPM/100 cm^2	021
28H-02	BUILDING 10, SECOND FLOOR	32	331.800	5000.000	6.636	DPM/100 cm^2	021
28I-01	BUILDING 11, FIRST FLOOR	36	96.700	5000.000	1.934	DPM/100 cm^2	018
28I-02	BUILDING 11, SECOND FLOOR	36	1268.800	5000.000	25.376	DPM/100 cm^2	018
28J-01	FIREHALL	30	558.700	5000.000	11.174	DPM/100 cm^2	031
28K-01	INCINERATOR BUILDING	18	40.650	5000.000	0.813	DPM/100 cm^2	005
28K-02	INCINERATOR BLDG. - INSIDE INCINERATOR	12	2481.680	5000.000	49.634	DPM/100 cm^2	005
28L-01	BUILDING 12, SECOND FLOOR	30	666.400	5000.000	13.328	DPM/100 cm^2	028
29 -01	ROOF SURFACE FOR BLDG 5	51	1333.800	5000.000	26.676	DPM/100 cm^2	038
29 -02	ROOF SURFACE FOR BLDGS 6,7&8	31	471.900	5000.000	9.438	DPM/100 cm^2	038
29 -03	ROOF SURFACE FOR BLDG 8A	45	943.200	5000.000	18.864	DPM/100 cm^2	038
29 -04	ROOF SURFACE FOR BLDG 9	34	867.600	5000.000	17.352	DPM/100 cm^2	038
29 -05	ROOF SURFACE FOR HYDROGEN FACILITY	30	2372.400	5000.000	47.448	DPM/100 cm^2	038
29 -06	ROOF SURFACE FOR BLDGS 4,10,11,&FIREHALL	37	943.800	5000.000	18.876	DPM/100 cm^2	038
29 -07	ROOF VENTS FOR BLDG 5	49	218.400	5000.000	4.368	DPM/100 cm^2	038
29 -08	ROOF VENTS FOR BLDGS 6,7,&8A	22	684.000	5000.000	13.680	DPM/100 cm^2	038
29 -09	ROOF VENTS FOR BLDGS 9 & HYDROGEN FAC.	49	907.200	5000.000	18.144	DPM/100 cm^2	038
29 -10	ROOF VENTS FOR BLDGS 4,8,10,11& FIREHALL	36	982.800	5000.000	19.656	DPM/100 cm^2	038
** Subtotal **		5182					

TABLE 22
COMPARISON OF MAXIMUM RESULTS AGAINST ACCEPTANCE CRITERIA

LOCATION CODE	LOCATION DESCRIPTION	NUMBER OF SURVEY POINTS	MAXIMUM VALUE	RADIOLOGICAL ACCEPTANCE CRITERIA	MAXIMUM VALUE AS A % OF CRITERIA	UNITS FOR ALL VALUES	REPORT NUMBER
** SURVEY TYPE = REMOVABLE ALPHA SMEAR SURVEY AT SURVEY POINT							
01 -01	BUILDING 5, FIRST FLOOR	74	7.740	1000.000	0.774	DPM/100 cm^2	034
01 -03	BUILDING 5, FIRST FLOOR	69	8.050	1000.000	0.805	DPM/100 cm^2	034
01 -04	BUILDING 5, FIRST FLOOR	71	7.740	1000.000	0.774	DPM/100 cm^2	034
01 -06	BUILDING 5, FIRST FLOOR	35	2.380	1000.000	0.238	DPM/100 cm^2	034
01 -07	BUILDING 5, FIRST FLOOR	30	8.050	1000.000	0.805	DPM/100 cm^2	034
01 -08	BUILDING 5, FIRST FLOOR	65	8.050	1000.000	0.805	DPM/100 cm^2	034
01 -09	BUILDING 5, FIRST FLOOR	63	42.010	1000.000	4.201	DPM/100 cm^2	034
01 -10	BUILDING 5, FIRST FLOOR	37	8.050	1000.000	0.805	DPM/100 cm^2	034
01 -13	BUILDING 5, FIRST FLOOR	31	7.510	1000.000	0.751	DPM/100 cm^2	034
01 -14	BUILDING 5, UPPER SURFACES, UNITS 6 & 10	60	7.740	1000.000	0.774	DPM/100 cm^2	034
02 -01	BUILDING 5, SECOND FLOOR	62	7.740	1000.000	0.774	DPM/100 cm^2	023
02 -02	BUILDING 5, SECOND FLOOR	64	7.740	1000.000	0.774	DPM/100 cm^2	023
02 -03	BUILDING 5, SECOND FLOOR	30	-0.260	1000.000	-0.026	DPM/100 cm^2	023
02 -04	BUILDING 5, SECOND FLOOR	61	7.510	1000.000	0.751	DPM/100 cm^2	023
03 -01	BUILDING 5, THIRD FLOOR	64	2.380	1000.000	0.238	DPM/100 cm^2	024
04 -01	BUILDING 6, FIRST FLOOR	71	7.740	1000.000	0.774	DPM/100 cm^2	017
04 -02	BUILDING 6, FIRST FLOOR	64	7.740	1000.000	0.774	DPM/100 cm^2	017
04 -03	BUILDING 6, FIRST FLOOR	63	7.740	1000.000	0.774	DPM/100 cm^2	017
04 -04	BUILDING 6, FIRST FLOOR	67	-0.160	1000.000	-0.016	DPM/100 cm^2	017
04 -05	BUILDING 6, FIRST FLOOR	91	7.510	1000.000	0.751	DPM/100 cm^2	017
04 -06	BUILDING 6, VENTILATION SYSTEMS	9	7.510	1000.000	0.751	DPM/100 cm^2	017
05 -01	BUILDING 6, SECOND FLOOR	74	8.050	1000.000	0.805	DPM/100 cm^2	019
05 -02	BUILDING 6, SECOND FLOOR	60	15.280	1000.000	1.528	DPM/100 cm^2	019
06 -01	BUILDING 6A	86	8.050	1000.000	0.805	DPM/100 cm^2	014
06 -02	BUILDING 6A	72	8.050	1000.000	0.805	DPM/100 cm^2	014
06 -03	BUILDING 6A	60	7.810	1000.000	0.781	DPM/100 cm^2	014
07 -01	BUILDING 7, FIRST FLOOR	70	8.050	1000.000	0.805	DPM/100 cm^2	012
07 -02	BUILDING 7, FIRST FLOOR	60	8.050	1000.000	0.805	DPM/100 cm^2	012
07 -03	BUILDING 7, FIRST FLOOR	70	7.810	1000.000	0.781	DPM/100 cm^2	012
07 -04	BUILDING 7, FIRST FLOOR	60	8.050	1000.000	0.805	DPM/100 cm^2	012

TABLE 22
COMPARISON OF MAXIMUM RESULTS AGAINST ACCEPTANCE CRITERIA

LOCATION CODE	LOCATION DESCRIPTION	NUMBER OF SURVEY POINTS	MAXIMUM VALUE	RADIOLOGICAL ACCEPTANCE CRITERIA	MAXIMUM VALUE AS A % OF CRITERIA	UNITS FOR ALL VALUES	REPORT NUMBER
07 -05	BUILDING 7, FIRST FLOOR	61	8.050	1000.000	0.805	DPM/100 cm^2	012
07 -06	BUILDING 7, FIRST FLOOR	67	-0.150	1000.000	-0.015	DPM/100 cm^2	012
08 -01	BUILDING 8A, FIRST FLOOR	99	7.740	1000.000	0.774	DPM/100 cm^2	035
08 -02	BUILDING 8A, FIRST FLOOR	76	7.740	1000.000	0.774	DPM/100 cm^2	035
08 -03	BUILDING 8A, FIRST FLOOR	63	2.380	1000.000	0.238	DPM/100 cm^2	035
08 -04	BUILDING 8A, FIRST FLOOR	61	7.510	1000.000	0.751	DPM/100 cm^2	035
08 -05	BUILDING 8A, FIRST FLOOR	73	7.740	1000.000	0.774	DPM/100 cm^2	035
08 -06	BUILDING 8A, FIRST FLOOR, SPECIAL GRIDS	83	3.000	1000.000	0.300	DPM/100 cm^2	035
09 -01	BUILDING 9, PIT	60	8.110	1000.000	0.811	DPM/100 cm^2	016
09 -01	BUILDING 9, PIT	54	15.280	1000.000	1.528	DPM/100 cm^2	016
10 -01	BUILDING 9, FIRST FLOOR, EXT. STORAGE	30	-0.260	1000.000	-0.026	DPM/100 cm^2	020
10 -02	BUILDING 9, FIRST FLOOR	68	8.050	1000.000	0.805	DPM/100 cm^2	020
10 -03	BUILDING 9, FIRST FLOOR	62	8.050	1000.000	0.805	DPM/100 cm^2	020
10 -04	BUILDING 9, FIRST FLOOR	79	8.050	1000.000	0.805	DPM/100 cm^2	020
10 -05	BUILDING 9, FIRST FLOOR	61	7.740	1000.000	0.774	DPM/100 cm^2	020
10 -06	BUILDING 9, FIRST FLOOR	60	7.810	1000.000	0.781	DPM/100 cm^2	020
10 -08	BUILDING 9, FIRST FLOOR	66	-0.150	1000.000	-0.015	DPM/100 cm^2	020
10 -09	BUILDING 9, FIRST FLOOR	69	7.510	1000.000	0.751	DPM/100 cm^2	020
10 -10	BUILDING 9, FIRST FLOOR	61	8.050	1000.000	0.805	DPM/100 cm^2	020
10 -11	BUILDING 9, FIRST FLOOR	62	8.050	1000.000	0.805	DPM/100 cm^2	020
10 -12	BUILDING 9, FIRST FLOOR	64	8.050	1000.000	0.805	DPM/100 cm^2	020
10 -14-1	BUILDING 9 PIPE CHASES - GROUP 1	251	18.050	1000.000	1.805	DPM/100 cm^2	010
10 -14-2	BUILDING 9 PIPE CHASES - GROUP 2	177	66.600	1000.000	6.660	DPM/100 cm^2	010
10 -14-3	BUILDING 9 PIPE CHASES - GROUP 3	92	10.880	1000.000	1.088	DPM/100 cm^2	010
10 -14-4	BUILDING 9 PIPE CHASES - ASSOCIATED PITS	22	-0.030	1000.000	-0.003	DPM/100 cm^2	010
11 -01	HYDROGEN FACILITY	94	7.740	1000.000	0.774	DPM/100 cm^2	033
14 -01	BUILDING 4, BASEMENT	29	8.050	1000.000	0.805	DPM/100 cm^2	015
14 -02	BUILDING 4, BASEMENT	31	8.050	1000.000	0.805	DPM/100 cm^2	015
15 -01	BUILDING 4, THIRD FLOOR	30	-0.260	1000.000	-0.026	DPM/100 cm^2	029
16 -01	BUILDING 12, FIRST FLOOR	30	7.510	1000.000	0.751	DPM/100 cm^2	027
27 -01	MONITORED DRAIN LINE PIT BEHIND BLDG. 5	20	2.600	1000.000	0.260	DPM/100 cm^2	008

TABLE 22
COMPARISON OF MAXIMUM RESULTS AGAINST ACCEPTANCE CRITERIA

LOCATION CODE	LOCATION DESCRIPTION	NUMBER OF SURVEY POINTS	MAXIMUM VALUE	RADIOLOGICAL ACCEPTANCE CRITERIA	MAXIMUM VALUE AS A % OF CRITERIA	UNITS FOR ALL VALUES	REPORT NUMBER
28A-01	BUILDING 4, FIRST FLOOR	48	7.510	1000.000	0.751	DPM/100 cm^2	025
28A-02	BUILDING 4, SECOND FLOOR	32	7.740	1000.000	0.774	DPM/100 cm^2	025
28B-01	BUILDING 5, FOURTH FLOOR	30	7.740	1000.000	0.774	DPM/100 cm^2	030
28C-01	BUILDING 5A	30	7.740	1000.000	0.774	DPM/100 cm^2	026
28D-01	BUILDING 7, SECOND FLOOR	30	8.050	1000.000	0.805	DPM/100 cm^2	013
28E-01	BUILDING 8	52	7.810	1000.000	0.781	DPM/100 cm^2	011
28F-01	BUILDING 8A, SECOND FLOOR	36	-0.260	1000.000	-0.026	DPM/100 cm^2	032
28G-01	BUILDING 9, SECOND FLOOR	36	5.020	1000.000	0.502	DPM/100 cm^2	022
28H-01	BUILDING 10, FIRST FLOOR	35	7.510	1000.000	0.751	DPM/100 cm^2	021
28H-02	BUILDING 10, SECOND FLOOR	32	-0.260	1000.000	-0.026	DPM/100 cm^2	021
28I-01	BUILDING 11, FIRST FLOOR	36	7.740	1000.000	0.774	DPM/100 cm^2	018
28I-02	BUILDING 11, SECOND FLOOR	36	7.510	1000.000	0.751	DPM/100 cm^2	018
28J-01	FIREHALL	30	-0.260	1000.000	-0.026	DPM/100 cm^2	031
28K-01	INCINERATOR BUILDING	18	2.750	1000.000	0.275	DPM/100 cm^2	005
28K-02	INCINERATOR BLDG. - INSIDE INCINERATOR	12	2.750	1000.000	0.275	DPM/100 cm^2	005
28K-03	INCINERATOR BUILDING - INSIDE CHIMNEY	8	2.560	1000.000	0.256	DPM/100 cm^2	005
28L-01	BUILDING 12, SECOND FLOOR	30	7.510	1000.000	0.751	DPM/100 cm^2	028
29 -01	ROOF SURFACE FOR BLDG 5	51	6.790	1000.000	0.679	DPM/100 cm^2	038
29 -02	ROOF SURFACE FOR BLDGS 6,7&8	31	6.790	1000.000	0.679	DPM/100 cm^2	038
29 -03	ROOF SURFACE FOR BLDG 8A	45	6.790	1000.000	0.679	DPM/100 cm^2	038
29 -04	ROOF SURFACE FOR BLDG 9	34	-0.310	1000.000	-0.031	DPM/100 cm^2	038
29 -05	ROOF SURFACE FOR HYDROGEN FACILITY	30	6.790	1000.000	0.679	DPM/100 cm^2	038
29 -06	ROOF SURFACE FOR BLDGS 4,10,11,&FIREHALL	37	6.790	1000.000	0.679	DPM/100 cm^2	038
29 -07	ROOF VENTS FOR BLDG 5	49	6.580	1000.000	0.658	DPM/100 cm^2	038
29 -08	ROOF VENTS FOR BLDGS 6,7,&8A	39	2.030	1000.000	0.203	DPM/100 cm^2	038
29 -09	ROOF VENTS FOR BLDGS 9 & HYDROGEN FAC.	49	6.710	1000.000	0.671	DPM/100 cm^2	038
29 -10	ROOF VENTS FOR BLDGS 4,8,10,11& FIREHALL	36	-0.310	1000.000	-0.031	DPM/100 cm^2	038
** Subtotal **		4880					

TABLE 22

COMPARISON OF MAXIMUM RESULTS AGAINST ACCEPTANCE CRITERIA

LOCATION CODE	LOCATION DESCRIPTION	NUMBER OF SURVEY POINTS	MAXIMUM VALUE	RADIOLOGICAL ACCEPTANCE CRITERIA	MAXIMUM VALUE AS A % OF CRITERIA	UNITS FOR ALL VALUES	REPORT NUMBER
** SURVEY TYPE = REMOVABLE BETA SMEAR SURVEY AT SURVEY POINT							
01 -01	BUILDING 5, FIRST FLOOR	74	9.660	1000.000	0.966	DPM/100 cm^2	034
01 -03	BUILDING 5, FIRST FLOOR	69	9.660	1000.000	0.966	DPM/100 cm^2	034
01 -04	BUILDING 5, FIRST FLOOR	71	9.660	1000.000	0.966	DPM/100 cm^2	034
01 -06	BUILDING 5, FIRST FLOOR	35	9.660	1000.000	0.966	DPM/100 cm^2	034
01 -07	BUILDING 5, FIRST FLOOR	30	15.490	1000.000	1.549	DPM/100 cm^2	034
01 -08	BUILDING 5, FIRST FLOOR	65	9.390	1000.000	0.939	DPM/100 cm^2	034
01 -09	BUILDING 5, FIRST FLOOR	63	9.660	1000.000	0.966	DPM/100 cm^2	034
01 -10	BUILDING 5, FIRST FLOOR	37	15.490	1000.000	1.549	DPM/100 cm^2	034
01 -14	BUILDING 5, UPPER SURFACES, UNITS 6 & 10	60	9.660	1000.000	0.966	DPM/100 cm^2	034
02 -01	BUILDING 5, SECOND FLOOR	62	9.310	1000.000	0.931	DPM/100 cm^2	023
02 -02	BUILDING 5, SECOND FLOOR	64	9.660	1000.000	0.966	DPM/100 cm^2	023
02 -03	BUILDING 5, SECOND FLOOR	30	9.660	1000.000	0.966	DPM/100 cm^2	023
02 -04	BUILDING 5, SECOND FLOOR	61	9.660	1000.000	0.966	DPM/100 cm^2	023
03 -01	BUILDING 5, THIRD FLOOR	64	9.660	1000.000	0.966	DPM/100 cm^2	024
01 -13	BUILDING 5, FIRST FLOOR	31	9.660	1000.000	0.966	DPM/100 cm^2	034
04 -01	BUILDING 6, FIRST FLOOR	71	9.660	1000.000	0.966	DPM/100 cm^2	017
04 -02	BUILDING 6, FIRST FLOOR	64	9.660	1000.000	0.966	DPM/100 cm^2	017
04 -03	BUILDING 6, FIRST FLOOR	63	9.660	1000.000	0.966	DPM/100 cm^2	017
04 -04	BUILDING 6, FIRST FLOOR	67	9.660	1000.000	0.966	DPM/100 cm^2	017
04 -05	BUILDING 6, FIRST FLOOR	91	11.550	1000.000	1.155	DPM/100 cm^2	017
04 -06	BUILDING 6, VENTILATION SYSTEMS	9	9.310	1000.000	0.931	DPM/100 cm^2	017
05 -01	BUILDING 6, SECOND FLOOR	74	9.390	1000.000	0.939	DPM/100 cm^2	019
05 -02	BUILDING 6, SECOND FLOOR	60	9.660	1000.000	0.966	DPM/100 cm^2	019
06 -01	BUILDING 6A	86	15.490	1000.000	1.549	DPM/100 cm^2	014
06 -02	BUILDING 6A	72	15.490	1000.000	1.549	DPM/100 cm^2	014
06 -03	BUILDING 6A	60	9.390	1000.000	0.939	DPM/100 cm^2	014
07 -01	BUILDING 7, FIRST FLOOR	70	9.390	1000.000	0.939	DPM/100 cm^2	012
07 -02	BUILDING 7, FIRST FLOOR	60	9.390	1000.000	0.939	DPM/100 cm^2	012
07 -03	BUILDING 7, FIRST FLOOR	70	9.390	1000.000	0.939	DPM/100 cm^2	012
07 -04	BUILDING 7, FIRST FLOOR	60	9.390	1000.000	0.939	DPM/100 cm^2	012

TABLE 22

COMPARISON OF MAXIMUM RESULTS AGAINST ACCEPTANCE CRITERIA

LOCATION CODE	LOCATION DESCRIPTION	NUMBER OF SURVEY POINTS	MAXIMUM VALUE	RADIOLOGICAL ACCEPTANCE CRITERIA	MAXIMUM VALUE AS A % OF CRITERIA	UNITS FOR ALL VALUES	REPORT NUMBER
07 -05	BUILDING 7, FIRST FLOOR	61	9.390	1000.000	0.939	DPM/100 cm^2	012
07 -06	BUILDING 7, FIRST FLOOR	67	9.390	1000.000	0.939	DPM/100 cm^2	012
08 -01	BUILDING 8A, FIRST FLOOR	99	9.660	1000.000	0.966	DPM/100 cm^2	035
08 -02	BUILDING 8A, FIRST FLOOR	76	9.660	1000.000	0.966	DPM/100 cm^2	035
08 -03	BUILDING 8A, FIRST FLOOR	63	9.660	1000.000	0.966	DPM/100 cm^2	035
08 -04	BUILDING 8A, FIRST FLOOR	61	9.660	1000.000	0.966	DPM/100 cm^2	035
08 -05	BUILDING 8A, FIRST FLOOR	73	9.660	1000.000	0.966	DPM/100 cm^2	035
08 06	BUILDING 8A, FIRST FLOOR, SPECIAL GRIDS	83	59.000	1000.000	5.900	DPM/100 cm^2	035
09 -01	BUILDING 9, PIT	60	91.220	1000.000	9.122	DPM/100 cm^2	016
09 -01	BUILDING 9, PIT	54	9.660	1000.000	0.966	DPM/100 cm^2	016
10 -01	BUILDING 9, FIRST FLOOR, EXT. STORAGE	30	9.660	1000.000	0.966	DPM/100 cm^2	020
10 -02	BUILDING 9, FIRST FLOOR	68	9.390	1000.000	0.939	DPM/100 cm^2	020
10 -03	BUILDING 9, FIRST FLOOR	62	14.950	1000.000	1.495	DPM/100 cm^2	020
10 -04	BUILDING 9, FIRST FLOOR	79	9.390	1000.000	0.939	DPM/100 cm^2	020
10 -05	BUILDING 9, FIRST FLOOR	61	9.660	1000.000	0.966	DPM/100 cm^2	020
10 -06	BUILDING 9, FIRST FLOOR	60	9.660	1000.000	0.966	DPM/100 cm^2	020
10 -08	BUILDING 9, FIRST FLOOR	66	9.660	1000.000	0.966	DPM/100 cm^2	020
10 -09	BUILDING 9, FIRST FLOOR	69	9.390	1000.000	0.939	DPM/100 cm^2	020
10 -10	BUILDING 9, FIRST FLOOR	61	9.660	1000.000	0.966	DPM/100 cm^2	020
10 -11	BUILDING 9, FIRST FLOOR	62	9.390	1000.000	0.939	DPM/100 cm^2	020
10 -12	BUILDING 9, FIRST FLOOR	64	15.490	1000.000	1.549	DPM/100 cm^2	020
10 -14-1	BUILDING 9 PIPE CHASES - GROUP 1	251	138.280	1000.000	13.828	DPM/100 cm^2	010
10 -14-2	BUILDING 9 PIPE CHASES - GROUP 2	177	164.810	1000.000	16.481	DPM/100 cm^2	010
10 -14-3	BUILDING 9 PIPE CHASES - GROUP 3	92	88.440	1000.000	8.844	DPM/100 cm^2	010
10 -14-4	BUILDING 9 PIPE CHASES - ASSOCIATED PITS	22	62.880	1000.000	6.288	DPM/100 cm^2	010
11 -01	HYDROGEN FACILITY	94	9.660	1000.000	0.966	DPM/100 cm^2	033
14 -01	BUILDING 4, BASEMENT	29	9.390	1000.000	0.939	DPM/100 cm^2	015
14 -02	BUILDING 4, BASEMENT	31	9.390	1000.000	0.939	DPM/100 cm^2	015
15 -01	BUILDING 4, THIRD FLOOR	30	9.660	1000.000	0.966	DPM/100 cm^2	029
16 -01	BUILDING 12, FIRST FLOOR	30	3.590	1000.000	0.359	DPM/100 cm^2	027
27 -01	MONITORED DRAIN LINE PIT BEHIND BLDG. 5	20	65.650	1000.000	6.565	DPM/100 cm^2	008

TABLE 22

COMPARISON OF MAXIMUM RESULTS AGAINST ACCEPTANCE CRITERIA

LOCATION CODE	LOCATION DESCRIPTION	NUMBER OF SURVEY POINTS	MAXIMUM VALUE	RADIOLOGICAL ACCEPTANCE CRITERIA	MAXIMUM VALUE AS A % OF CRITERIA	UNITS FOR ALL VALUES	REPORT NUMBER
28A-01	BUILDING 4, FIRST FLOOR	48	9.660	1000.000	0.966	DPM/100 cm^2	025
28A-02	BUILDING 4, SECOND FLOOR	32	7.540	1000.000	0.754	DPM/100 cm^2	025
28B-01	BUILDING 5, FOURTH FLOOR	30	9.660	1000.000	0.966	DPM/100 cm^2	030
28C-01	BUILDING 5A	30	9.660	1000.000	0.966	DPM/100 cm^2	026
28D-01	BUILDING 7, SECOND FLOOR	30	9.030	1000.000	0.903	DPM/100 cm^2	013
28E-01	BUILDING 8	52	11.280	1000.000	1.128	DPM/100 cm^2	011
28F-01	BUILDING 8A, SECOND FLOOR	36	9.660	1000.000	0.966	DPM/100 cm^2	032
28G-01	BUILDING 9, SECOND FLOOR	36	7.540	1000.000	0.754	DPM/100 cm^2	022
28H-01	BUILDING 10, FIRST FLOOR	35	9.660	1000.000	0.966	DPM/100 cm^2	021
28H-02	BUILDING 10, SECOND FLOOR	32	9.660	1000.000	0.966	DPM/100 cm^2	021
28I-01	BUILDING 11, FIRST FLOOR	36	9.660	1000.000	0.966	DPM/100 cm^2	018
28I-02	BUILDING 11, SECOND FLOOR	36	9.660	1000.000	0.966	DPM/100 cm^2	018
28J-01	FIREHALL	30	9.310	1000.000	0.931	DPM/100 cm^2	031
28K-01	INCINERATOR BUILDING	18	77.270	1000.000	7.727	DPM/100 cm^2	005
28K-02	INCINERATOR BLDG. - INSIDE INCINERATOR	12	100.510	1000.000	10.051	DPM/100 cm^2	005
28K-03	INCINERATOR BUILDING - INSIDE CHIMNEY	8	7.250	1000.000	0.725	DPM/100 cm^2	005
28L-01	BUILDING 12, SECOND FLOOR	30	9.310	1000.000	0.931	DPM/100 cm^2	028
29 -01	ROOF SURFACE FOR BLDG 5	51	9.540	1000.000	0.954	DPM/100 cm^2	038
29 -02	ROOF SURFACE FOR BLDGS 6,7&8	31	23.650	1000.000	2.365	DPM/100 cm^2	038
29 -03	ROOF SURFACE FOR BLDG 8A	45	9.540	1000.000	0.954	DPM/100 cm^2	038
29 -04	ROOF SURFACE FOR BLDG 9	34	9.540	1000.000	0.954	DPM/100 cm^2	038
29 -05	ROOF SURFACE FOR HYDROGEN FACILITY	30	9.540	1000.000	0.954	DPM/100 cm^2	038
29 -06	ROOF SURFACE FOR BLDGS 4,10,11,&FIREHALL	37	9.670	1000.000	0.967	DPM/100 cm^2	038
29 -07	ROOF VENTS FOR BLDG 5	49	9.180	1000.000	0.918	DPM/100 cm^2	038
29 -08	ROOF VENTS FOR BLDGS 6,7,&8A	39	5.350	1000.000	0.535	DPM/100 cm^2	038
29 -09	ROOF VENTS FOR BLDGS 9 & HYDROGEN FAC.	49	9.540	1000.000	0.954	DPM/100 cm^2	038
29 -10	ROOF VENTS FOR BLDGS 4,8,10,11& FIREHALL	36	9.540	1000.000	0.954	DPM/100 cm^2	038
** Subtotal **		4880					

TABLE 22

COMPARISON OF MAXIMUM RESULTS AGAINST ACCEPTANCE CRITERIA

LOCATION CODE	LOCATION DESCRIPTION	NUMBER OF SURVEY POINTS	MAXIMUM VALUE	RADIOLOGICAL ACCEPTANCE CRITERIA	MAXIMUM VALUE AS A % OF CRITERIA	UNITS FOR ALL VALUES	REPORT NUMBER
** SURVEY TYPE = MAXIMUM - ALPHA SCAN OF SURFACE NEAR SURVEY POINT							
09 -01	BUILDING 9, PIT	60	425.500	15000.000	2.837	DPM/100 cm^2	016
27 -01	MONITORED DRAIN LINE PIT BEHIND BLDG. 5	20	-32.470	15000.000	-0.216	DPM/100 cm^2	008
** Subtotal **		80					

TABLE 22

COMPARISON OF MAXIMUM RESULTS AGAINST ACCEPTANCE CRITERIA

LOCATION CODE	LOCATION DESCRIPTION	NUMBER OF SURVEY POINTS	MAXIMUM VALUE	RADIOLOGICAL ACCEPTANCE CRITERIA	MAXIMUM VALUE AS A % OF CRITERIA	UNITS FOR ALL VALUES	REPORT NUMBER
** SURVEY TYPE = AVERAGE - ALPHA SCAN OF SURFACE NEAR SURVEY POINT							
09 -01	BUILDING 9, PIT	60	266.200	5000.000	5.324	DPM/100 cm^2	016
27 -01	MONITORED DRAIN LINE PIT BEHIND BLDG. 5	20	-39.850	5000.000	-0.797	DPM/100 cm^2	008
** Subtotal **		80					
*** Total ***		35170					

TABLE 23
DESCRIPTION OF SURVEY SECTIONS AND UNITS
FOR BUILDINGS AND BUILDING ROOFS

LOCATION CODE	LOCATION DESCRIPTION	REPORT NUMBER REFERENCE	SURVEY CLASS
01 -01	BUILDING 5, FIRST FLOOR	034	4
01 -03	BUILDING 5, FIRST FLOOR	034	4
01 -04	BUILDING 5, FIRST FLOOR	034	4
01 -06	BUILDING 5, FIRST FLOOR	034	4
01 -07	BUILDING 5, FIRST FLOOR	034	1
01 -08	BUILDING 5, FIRST FLOOR	034	4
01 -09	BUILDING 5, FIRST FLOOR	034	4
01 -10	BUILDING 5, FIRST FLOOR	034	4
01 -13	BUILDING 5, FIRST FLOOR	034	1
01 -14	BUILDING 5, UPPER SURFACES, UNITS 6 & 10	034	4
02 -01	BUILDING 5, SECOND FLOOR	023	4
02 -02	BUILDING 5, SECOND FLOOR	023	3
02 -03	BUILDING 5, SECOND FLOOR	023	1
02 -04	BUILDING 5, SECOND FLOOR	023	3
03 -01	BUILDING 5, THIRD FLOOR	024	3
04 -01	BUILDING 6, FIRST FLOOR	017	4
04 -02	BUILDING 6, FIRST FLOOR	017	4
04 -03	BUILDING 6, FIRST FLOOR	017	4
04 -04	BUILDING 6, FIRST FLOOR	017	4
04 -05	BUILDING 6, FIRST FLOOR	017	3
04 -06	BUILDING 6, VENTILATION SYSTEMS	017	4
05 -01	BUILDING 6, SECOND FLOOR	019	3
05 -02	BUILDING 6, SECOND FLOOR	019	4
06 -01	BUILDING 6A	014	4
06 -02	BUILDING 6A	014	4
06 -03	BUILDING 6A	014	3
07 -01	BUILDING 7, FIRST FLOOR	012	4
07 -02	BUILDING 7, FIRST FLOOR	012	4
07 -03	BUILDING 7, FIRST FLOOR	012	4
07 -04	BUILDING 7, FIRST FLOOR	012	3
07 -05	BUILDING 7, FIRST FLOOR	012	3
07 -06	BUILDING 7, FIRST FLOOR	012	3
08 -01	BUILDING 8A, FIRST FLOOR	035	4
08 -02	BUILDING 8A, FIRST FLOOR	035	4
08 -03	BUILDING 8A, FIRST FLOOR	035	3
08 -04	BUILDING 8A, FIRST FLOOR	035	3
08 -05	BUILDING 8A, FIRST FLOOR	035	4
08 -06	BUILDING 8A, FIRST FLOOR, SPECIAL GRIDS	035	4
09 -01	BUILDING 9, PIT	016	4
09 -01A	BUILDING 9, PIT - INITIAL SURVEY	016	4
10 -01	BUILDING 9, FIRST FLOOR, EXT. STORAGE	020	1
10 -02	BUILDING 9, FIRST FLOOR	020	4
10 -03	BUILDING 9, FIRST FLOOR	020	4
10 -04	BUILDING 9, FIRST FLOOR	020	4
10 -05	BUILDING 9, FIRST FLOOR	020	3
10 -06	BUILDING 9, FIRST FLOOR	020	4
10 -08	BUILDING 9, FIRST FLOOR	020	4

TABLE 23
DESCRIPTION OF SURVEY SECTIONS AND UNITS
FOR BUILDINGS AND BUILDING ROOFS

LOCATION CODE	LOCATION DESCRIPTION	REPORT NUMBER REFERENCE	SURVEY CLASS
10 -09	BUILDING 9, FIRST FLOOR	020	4
10 -10	BUILDING 9, FIRST FLOOR	020	3
10 -11	BUILDING 9, FIRST FLOOR	020	3
10 -12	BUILDING 9, FIRST FLOOR	020	3
10 -14-1	BUILDING 9 PIPE CHASES - GROUP 1	010	4
10 -14-2	BUILDING 9 PIPE CHASES - GROUP 2	010	4
10 -14-3	BUILDING 9 PIPE CHASES - GROUP 3	010	4
10 -14-4	BUILDING 9 PIPE CHASES - ASSOCIATED PITS	010	4
11 -01	HYDROGEN FACILITY	033	4
14 -01	BUILDING 4, BASEMENT	015	3
14 -02	BUILDING 4, BASEMENT	015	4
15 -01	BUILDING 4, THIRD FLOOR	029	2
16 -01	BUILDING 12, FIRST FLOOR	027	2
27 -01	MONITORED DRAIN LINE PIT BEHIND BLDG. 5	008	4
28A-01	BUILDING 4, FIRST FLOOR	025	1
28A-02	BUILDING 4, SECOND FLOOR	025	1
28B-01	BUILDING 5, FOURTH FLOOR	030	1
28C-01	BUILDING 5A	026	1
28D-01	BUILDING 7, SECOND FLOOR	013	1
28E-01	BUILDING 8	011	1
28F-01	BUILDING 8A, SECOND FLOOR	032	1
28G-01	BUILDING 9, SECOND FLOOR	022	1
28H-01	BUILDING 10, FIRST FLOOR	021	1
28H-02	BUILDING 10, SECOND FLOOR	021	1
28I-01	BUILDING 11, FIRST FLOOR	018	1
28I-02	BUILDING 11, SECOND FLOOR	018	1
28J-01	FIREHALL	031	1
28K-01	INCINERATOR BUILDING	005	1
28K-02	INCINERATOR BLDG - INSIDE INCINERATOR	005	1
28K-03	INCINERATOR BUILDING - INSIDE CHIMNEY	005	1
28L-01	BUILDING 12, SECOND FLOOR	028	1
29 -01	ROOF SURFACE FOR BLDG 5	038	7
29 -02	ROOF SURFACE FOR BLDGS 6,7&8	038	7
29 -03	ROOF SURFACE FOR BLDG 8A	038	7
29 -04	ROOF SURFACE FOR BLDG 9	038	7
29 -05	ROOF SURFACE FOR HYDROGEN FACILITY	038	7
29 -06	ROOF SURFACE FOR BLDGS 4,10,11,&FIREHALL	038	7
29 -07	ROOF VENTS FOR BLDG 5	038	7
29 -08	ROOF VENTS FOR BLDGS 6,7,&8A	038	7
29 -09	ROOF VENTS FOR BLDGS 9 & HYDROGEN FAC.	038	7
29 -10	ROOF VENTS FOR BLDGS 4,8,10,11& FIREHALL	038	7

TABLE 24

SUMMARY OF BUILDING AND BUILDING ROOF SURVEY RESULTS FOR ENTIRE SITE

	MEASUREMENT DESCRIPTION	NUMBER OF SURVEY POINTS	WEIGHTED AVERAGE	WEIGHTED STANDARD DEVIATION	BACKGROUND RADIATION LEVEL	MINIMUM DETECTABLE ACTIVITY	RADIOLOGICAL ACCEPTANCE CRITERIA	UNITS OF MEASUREMENTS FOR VALUES
1	GAMMA DOSE RATE AT 1 METER FROM SURFACE	2618	10.9	1.6	10.63	14.8	15	microR/hr
2	BETA/GAMMA DOSE RATE ON CONTACT WITH SURFACE AT SURVEY POINT	2978	0.013	0.004	0.014	0.022	0.2	mR/hr
3	SCAN OF APPROXIMATELY 1 SQ. METER AROUND SURVEY POINT FOR MAXIMUM BETA ACTIVITY	4646	233.5 *	253.4	1184	269	15,000	DPM/100cm^2
4	SCAN OF APPROXIMATELY 1 SQ. METER AROUND SURVEY POINT FOR AVERAGE BETA ACTIVITY	4646	62.3 *	192.4	1184	269	5,000	DPM/100cm^2
5	TOTAL ALPHA ACTIVITY AT SURVEY POINT	5180	6.5 *	15.8	3.4	18	5,000	DPM/100cm^2
6	TOTAL BETA ACTIVITY AT SURVEY POINT	5182	83.5 *	197.3	1184	269	5,000	DPM/100cm^2
7	REMOVABLE ALPHA ACTIVITY AT SURVEY POINT	4880	0.17 *	1.69	0.15	9	1,000	DPM/100cm^2
8	REMOVABLE BETA ACTIVITY AT SURVEY POINT	4880	2.36 *	8.14	2.82	12	1,000	DPM/100cm^2
9	SCAN OF APPROXIMATELY 1 SQ. METER AROUND SURVEY POINT FOR MAXIMUM ALPHA ACTIVITY	80	14.4 *	46.1	11.4	18	15,000	DPM/100cm^2
10	SCAN OF APPROXIMATELY 1 SQ. METER AROUND SURVEY POINT FOR AVERAGE ALPHA ACTIVITY	80	−6.8 *	33.5	11.4	18	5,000	DPM/100cm^2

* THE BACKGROUND RADIATION LEVEL WAS SUBTRACTED IN THE CALCULATION OF THESE MEASUREMENT VALUES.

TABLE 25

ANALYTICAL RESULTS FOR ROOFING MATERIAL SAMPLES

PROJ ID	DESCRIPTION	GAMMA SPECTROMETRY LAB ID	GAMMA SPECTROMETRY U-235 pCi/gm
732	BLDG 5, ROOF 'B', ROOFING MAT'L - (10,-10)	93- 791	<2.80E-01
733	BLDG 8A, ROOFING MAT'L - (30,5)	93- 792	<4.60E-01
734	BLDG 9, ROOFING MAT'L - (10,-50)	93- 793	<4.40E-01
735	BLDG 9, ROOFING MAT'L - @VENT #12	93- 794	<3.00E-01
736	BLDG 9, ROOFING MAT'L - @VENT #31	93- 795	<4.10E-01
737	H2 FACILITY, ROOFING MAT'L - (15,1)	93- 796	<4.40E-01
738	H2 FACILITY, ROOFING MAT'L - (15,-2)	93- 797	<4.20E-01
739	H2 FACILITY, ROOFING MAT'L - (14,-2)	93- 798	<5.10E-01
740	H2 FACILITY, ROOFING MAT'L - (14,-1)	93- 799	<6.40E-01
741	BLDG 5, ROOF 'B', ROOF GRAVEL - (10,-10)	93- 800	4.44E-01
742	BLDG 8A, ROOF GRAVEL - (30,5)	93- 801	<3.70E-01
743	BLDG 9, ROOF GRAVEL - (10,-50)	93- 802	<2.70E-01
744	BLDG 9, ROOF GRAVEL - @VENT #12	93- 803	4.84E-01
745	BLDG 9, ROOF GRAVEL - @VENT #31	93- 804	<2.80E-01
746	H2 FACILITY, ROOF GRAVEL - (15,1)	93- 805	2.81E-01
747	H2 FACILITY, ROOF GRAVEL - (15,-2)	93- 806	5.44E-01
748	H2 FACILITY, ROOF GRAVEL - (14,-2)	93- 807	4.70E-01
749	H2 FACILITY, ROOF GRAVEL - (14,-1)	93- 808	3.43E-01

STASTICAL ANALYSIS:

NUMBER OF SAMPLES	18
MINIMUM	2.70E-01
MAXIMUM	6.40E-01
AVERAGE	4.10E-01
STANDARD DEVIATION	1.01E-01
LIMIT	1
FACTOR FOR COMPARISON OF SURVEY DATA @95% CONFIDENCE:	1.740
DATA TEST PARAMETER	0.45
"NUMBER OF SAMPLES" FACTOR	5.84
DOES DATA SATISFY LIMIT CRITERIA?	YES
WERE AN ADEQUATE NUMBER OF SAMPLES TAKEN?	YES

	BACKGROUND SOIL RESULTS (SEE REPORT #007 FOR INFORMATION)	GAMMA SPEC. U-235 pCi/gm
	AVERAGE	3.24E-01
	STANDARD DEVIATION	1.01E-01

TABLE 26

ANALYSIS OF SURVEY RESULTS AND COMPARISON AGAINST LIMITS FOR EAST PARKING LOT (SECTION 30)

SAMPLE LOCATION DESCRIPTION (SEE FIGURE 5 FOR LOCATION)	LOCATION NUMBER	GAMMA SURVEY @1 METER (microR/hr)	GAMMA SURVEY ON CONTACT CPM	SCAN RESULTS MAXIMUM GAMMA AVG CPM	SCAN RESULTS AVERAGE GAMMA AVG CPM	TOTAL FIXED ACTIVITY ALPHA (dpm/100cm^2)	TOTAL FIXED ACTIVITY BETA (dpm/100cm^2)	REMOVABLE ACTIVITY ALPHA (dpm/100cm^2)	REMOVABLE ACTIVITY BETA (dpm/100cm^2)
DIRT - SAMPLE #693	1	9.8	12065	13553	11000				
DIRT - SAMPLE #694	2	10.2	11882	14052	12200				
CLAY - SAMPLE #695	3	10.1	16033	16439	15000				
CLAY - SAMPLE #696	4	10.1	15432	17492	12000				
CONCRETE	5	9.9	9394	11279	9500		46.5		
DIRT - SAMPLE #699	6	10.5	12607	13606	11700				
DIRT - SAMPLE #698	7	10.2	10885	12821	11000				
DIRT - SAMPLE #697	8	10.1	10792	12527	10500				
CONCRETE	9	10.5	9699	11696	10700		37.2		
DIRT - SAMPLE #700	10	9.9	11509	14114	12000				
DIRT - SAMPLE #701	11	10.1	13818	14564	12200				
CONCRETE	12	10.5	9182	10715	9100		-49.6		
DIRT - SAMPLE #702	13	10.4	13386	14355	12500				
CONCRETE	14	10.7	9894	10506	9500		-15.5		
DIRT/CONCRETE - SAMPLE #703	15	10.5	10675	12073	11000		21.7		
DIRT/CONCRETE - SAMPLE #704	16	10.3	14385	14889	13000		-58.9		
CONCRETE	17	11.0	10469	13954	11100		40.3		
CONCRETE	18	10.2	9279	11812	10000		55.8		
CONCRETE	19	9.3	8308	10792	9600		-77.5		
CONCRETE	20	8.8	7996	9332	8900		0.0		
CONCRETE	21	9.2	7699	8379	7800		-71.3		

TABLE 26

ANALYSIS OF SURVEY RESULTS AND COMPARISON AGAINST LIMITS FOR EAST PARKING LOT (SECTION 30)

SAMPLE LOCATION DESCRIPTION (SEE FIGURE 5 FOR LOCATION)	LOCATION NUMBER	GAMMA SURVEY @1 METER (microR/hr)	GAMMA SURVEY ON CONTACT CPM	SCAN RESULTS MAXIMUM GAMMA AVG CPM	SCAN RESULTS AVERAGE GAMMA AVG CPM	TOTAL FIXED ACTIVITY ALPHA (dpm/100cm^2)	TOTAL FIXED ACTIVITY BETA (dpm/100cm^2)	REMOVABLE ACTIVITY ALPHA (dpm/100cm^2)	REMOVABLE ACTIVITY BETA (dpm/100cm^2)
CONCRETE	22	8.9	8755	8879	8500		-18.6		
CONCRETE	23	8.3	8472	9026	8200		6.2		

STASTICAL ANALYSIS						
NUMBER OF SAMPLES	23	23	23	23		13
MINIMUM	8.30	7699	8379	7800		-77.5
MAXIMUM	11.00	16033	17492	15000		55.8
AVERAGE	9.98	10983	12472	10739		-6.4
STANDARD DEVIATION	0.65	2337	2363	1697		44.6
LIMIT	15					5,000
FACTOR FOR COMPARISON OF SURVEY DATA @95% CONFIDENCE:	1.717					1.782
DATA TEST PARAMETER	10.21					15.60
"NUMBER OF SAMPLES" FACTOR	7.77					112.25
DOES DATA SATISFY LIMIT CRITERIA?	YES					YES
WERE AN ADEQUATE NUMBER OF SAMPLES TAKEN?	YES					YES

TABLE 27

ANALYTICAL RESULTS FOR SOIL SAMPLES TAKEN FROM EAST PARKING LOT

PROJ ID	SAMPLE IDENTIFICATION (SEE FIGURE 5 FOR LOCATION)	GAMMA SPEC. LAB ID	GAMMA SPEC. U-235 pCi/gm	ALPHA SPECTROMETRY RESULTS LAB ID	U-233 pCi/gm	U-234 pCi/gm	U-235 pCi/gm	U-238 pCi/gm	U-TOTAL pCi/gm	IS U-TOTAL <30 pCi/gm	RATIO OF U-TOTAL TO U-235	%U-235
693	EAST PARKING LOT LOCATION #1	93- 656	<4.20E-01									
694	EAST PARKING LOT LOCATION #2	93- 657	5.19E-01									
695	EAST PARKING LOT LOCATION #3	93- 658	<3.90E-01									
696	EAST PARKING LOT LOCATION #4	93- 659	3.33E-01									
697	EAST PARKING LOT LOCATION #8	93- 660	3.05E-01									
698	EAST PARKING LOT LOCATION #7	93- 661	1.05E+00	93- 661	<3.40E-01	4.05E+01	5.46E+00	2.16E+00	4.85E+01	NO	8.9	28.19%
699	EAST PARKING LOT LOCATION #6	93- 662	4.18E-01									
700	EAST PARKING LOT LOCATION #10	93- 663	2.76E-01									
701	EAST PARKING LOT LOCATION #11	93- 664	<4.00E-01									
702	EAST PARKING LOT LOCATION #13	93- 665	<4.60E-01									
703	EAST PARKING LOT LOCATION #15	93- 666	1.75E-01									
704	EAST PARKING LOT LOCATION #16	93- 667	3.43E-01									
	COMPOSITE OF #693-704 EXCEPT #698	AVG.=	3.67E-01	93- 656	<1.70E-01	4.40E-01	<1.00E-01	4.70E-01	1.18E+00	YES	11.8	3.20%
STASTICAL ANALYSIS:												
NUMBER OF SAMPLES		12		2		2	2	2	2		2	2
MINIMUM		1.75E-01										
MAXIMUM		1.05E+00										
AVERAGE		4.24E-01		2.55E-01		2.05E+01	2.78E+00	1.32E+00	2.48E+01		10.3	15.69%
STANDARD DEVIATION		2.08E-01		8.50E-02		2.00E+01	2.68E+00	8.45E-01	2.36E+01		1.5	12.49%
LIMIT		1							30			
FACTOR FOR COMPARISON OF SURVEY DATA @95% CONFIDENCE:		1.796							6.314			
DATA TEST PARAMETER		0.53							130.36			
"NUMBER OF SAMPLES" FACTOR		2.77							0.22			
DOES DATA SATISFY LIMIT CRITERIA?		YES							NO			
WERE AN ADEQUATE NUMBER OF SAMPLES TAKEN?		YES							NO			
	BACKGROUND SOIL RESULTS (SEE REPORT #007 FOR INFORMATION)		GAMMA SPEC. U-235 pCi/gm		U-233 pCi/gm	U-234 pCi/gm	U-235 pCi/gm	U-238 pCi/gm	U-TOTAL pCi/gm		RATIO OF U-TOTAL TO U-235	%U-235
	AVERAGE		4.70E-01		1.67E-02	4.61E-01	5.98E-02	4.49E-01	9.86E-01		29.5	1.95%
	STANDARD DEVIATION		3.24E-01		6.96E-03	2.54E-01	8.76E-02	2.19E-01	4.89E-01		13.2	2.12%

Area Number	"Y" Axis Direction (Est. compass heading)	Surface/Location Description	Point of Origin Location	Approximate size in meters. (Up x Right)
1	135 degrees	Front parking lot.	Starting at the North-east corner of Bldg 10, going towards Bldg 4 and over to Rt 51S.	100 x 30
2	135 degrees	Rt. 51S side of Bldg 4.	Starting at the South-west corner of Bldg 4, going to the sidewalk, then to the corner of the Peters Creek and Rt 51S and over to Rt 51S.	50 x 20
3	135 degrees	The East side of Bldg 4.	Starting at the North-east corner of Bldg 4, going to the Guard-house and to Area 2.	60 x 40
4	90 degrees	The road to the East of Site.	The sidewalk at the corner of Areas 2 and 3, going to the Corner of the property marked by the large telephone pole and over to Peters Creek.	210 x 30
5	260 degrees	The south half of the large, back parking lot.	Starting at the South-west corner of the walking bridge, down to Peters Creek and over to the road.	80 x 80
6	60 degrees	The north half of the large, back parking lot.	Starting at the South-west corner of the walking bridge, going to the road and over to Peters Creek.	80 x 80
7	135 degrees	Inter-mediate parking lot.	Starting at the North-east corner of the security fence, going to the property line marker and to the edge of Area 15 and the sidewalk.	120 x 70
8	45 degrees	Hillside and wash area adjacent to the Inter-mediate parking lot.	Starting at the North-east corner of the security fence, going up the hillside approximately 20 meters and over to the proiperty line marker.	120 x 20

TABLE 28

DESCRIPTION OF AREA DESIGNATIONS FOR GROUNDS SURVEY

Area Number	"Y" Axis Direction (Est. compass heading)	Surface/Location Description	Point of Origin Location	Approximate size in meters. (Up x Right)
9	315 degrees	Northern, on-site road area.	Starting at the north-east corner of Bldg 5, going along the back of the buildings to the west edge of the fence and over to the fence.	210 x 20
10	225 degrees	Western, on-site road area.	Starting at the north-west corner of Bldg 9, going along Bldg 9 to Bldg 10 and over to the fence.	60 x 15
11	135 degrees	Southern, on-site road area.	Starting at the South-west corner of Bldg 9, going along the south side of the buildings to the sidewalk and over to the edge of area 1.	210 x 15
12	Miscellaneous area.	Indentation on north side of Bldg 8A.		10 x 10
13	Miscellaneous area.	Indentation on south side of Bldg 6A.		10 x 15
14	Miscellaneous area.	Indentation on north side of Bldg 5.		10 x 10
15	Miscellaneous area.	Area encompassing Bldg's 5A and 12.	Located between areas 4, 7, and 11.	40 x 15
16	Miscellaneous area.	South side of Bldg 10.		5 x 15
17	Miscellaneous area.	The area north of the security fence at the base of the hill.	Extends up the hillside approximately 20 meters and is bordered by areas 7, 8, and 9.	220 x 20

TABLE 28 (CONTINUED)

DESCRIPTION OF AREA DESIGNATIONS FOR GROUNDS SURVEY

TABLE 29

RADIOLOGICAL SURVEY DATA AND COMPARISON AGAINST ACCEPTANCE CRITERIA FOR SURVEYS OF PAVED AREAS (SURVEY SECTION 30)

LOCATION (AREA #)	SOIL SAMPLE NUMBER	X,Y COORDINATES	POINT NUMBER	L E GAMMA SCAN MAX CPM	L E GAMMA SCAN AVG CPM	L E GAMMA 1 MIN COUNT (COUNTS)	GAMMA @ 1m 1 MIN AVG (microR/hr)	GAMMA @ 1m GRID AVG. (microR/hr)	BETA COUNT 1 MIN COUNT DPM/100cm^2	COMMENTS
1	N/A	20, 5	1	10237	8900	9592	9.7	10.4	148.8	
1	"	"	2			8867	10		155.0	
1	"	"	3			9374	10.3		195.3	
1	"	"	4			9380	11		161.2	
1	"	"	5			10009	10.8		167.4	
1	N/A	50, 90	1	9895	7600	7823	8.9	8.8	99.2	
1	"	"	2			8457	9		142.6	
1	"	"	3			7865	8.9		96.1	
1	"	"	4			7282	8.6		-55.8	
1	"	"	5			7624	8.8		12.4	
3	N/A	15, 5	1	14355	12000	12509	13.5	13.5	117.8	
3	"	"	2			12660	13.6		58.9	
3	"	"	3			11640	13.1		133.3	
3	"	"	4			11389	12.9		24.8	
3	"	"	5			12849	14.4		195.3	
4	N/A	5, 15	1	11571	10300	9842	10.1	10.1	201.5	
4	"	"	2			9883	10.1		238.7	
4	"	"	3			10580	10		179.8	
4	"	"	4			10256	10.1		266.6	
4	"	"	5			9741	10.1		244.9	
4	N/A	5, 50	1	12651	10400	10026	9.9	10.0	220.1	
4	"	"	2			9341	10		232.5	
4	"	"	3			10911	9.9		272.8	
4	"	"	4			10687	10.4		381.3	
4	"	"	5			9447	9.7		244.9	
4	N/A	10, 150	1	13302	10200	10006	9.9	9.8	387.5	
4	"	"	2			9756	9.7		164.3	
4	"	"	3			10047	10.1		220.1	
4	"	"	4			9532	9.6		158.1	
4	"	"	5			8358	9.6		257.3	
4	N/A	15, 215	1	10222	8800	8080	9.1	9.1	393.7	

TABLE 29

RADIOLOGICAL SURVEY DATA AND COMPARISON AGAINST ACCEPTANCE CRITERIA FOR SURVEYS OF PAVED AREAS (SURVEY SECTION 30)

LOCATION (AREA #)	SOIL SAMPLE NUMBER	X,Y COORDINATES	POINT NUMBER	L E GAMMA SCAN MAX CPM	L E GAMMA SCAN AVG CPM	L E GAMMA 1 MIN COUNT (COUNTS)	GAMMA @ 1m 1 MIN AVG (microR/hr)	GAMMA @ 1m GRID AVG. (microR/hr)	BETA COUNT 1 MIN COUNT DPM/100cm^2	COMMENTS
4	"	"	2			8490	9.1		68.2	
4	"	"	3			8021	8.6		99.2	
4	"	"	4			8093	9.5		229.4	
4	"	"	5			8506	9.4		269.7	
5	N/A	85, 60	1	9439	8300	8012	8.3	8.6	136.4	
5	"	"	2			8438	8.6		198.4	
5	"	"	3			8340	8.7		272.8	
5	"	"	4			9022	9.1		198.4	
5	"	"	5			7693	8.4		37.2	
5	N/A	80, 15	1	11674	10400	9579	9.2	9.4	319.3	
5	"	"	2			9661	9.6		176.7	
5	"	"	3			7690	8.9		310.0	
5	"	"	4			7860	9.4		266.6	
5	"	"	5			10022	9.8		440.2	
5	N/A	30, 5	1	12346	9800	9857	9.8	9.7	350.3	
5	"	"	2			10928	9.7		654.1	
5	"	"	3			9932	9.8		319.3	
5	"	"	4			9824	9.7		337.9	
5	"	"	5			9401	9.6		365.8	
6	N/A	35, 75	1	12939	9850	9872	9.3	9.6	477.4	
6	"	"	2			9728	9.4		381.3	
o	"	"	3			9865	10		474.3	
6	"	"	4			10218	9.7		359.6	
6	"	"	5			10175	9.8		275.9	
6	N/A	40, 60	1	11977	10400	9904	10	9.7	449.5	
6	"	"	2			10071	9.6		328.6	
6	"	"	3			10291	10		508.4	
6	"	"	4			9854	9.5		427.8	
6	"	"	5			10020	9.6		437.1	
6	N/A	60, 70	1	11953	10500	9857	9.6	9.6	263.5	
6	"	"	2			10284	10		344.1	

TABLE 29

RADIOLOGICAL SURVEY DATA AND COMPARISON AGAINST ACCEPTANCE CRITERIA FOR SURVEYS OF PAVED AREAS (SURVEY SECTION 30)

LOCATION (AREA #)	SOIL SAMPLE NUMBER	X,Y COORDINATES	POINT NUMBER	L E GAMMA SCAN MAX CPM	L E GAMMA SCAN AVG CPM	L E GAMMA 1 MIN COUNT (COUNTS)	GAMMA @ 1m 1 MIN AVG (microR/hr)	GAMMA @ 1m GRID AVG. (microR/hr)	BETA COUNT 1 MIN COUNT DPM/100cm^2	COMMENTS
6	"	"	3			9611	9.3		480.5	
6	"	"	4			9802	9.7		474.3	
6	"	"	5			9594	9.6		282.1	
7	N/A	5, 110	1	10753	9000	8836	9.1	9.4	378.2	
7	"	"	2			8859	9.2		220.1	
7	"	"	3			8967	9.7		235.6	
7	"	"	4			9035	9.8		226.3	
7	"	"	5			8938	9.1		440.2	
7	N/A	35, 25	1	10677	8500	8502	9.1	9.3	275.9	
7	"	"	2			8412	9		207.7	
7	"	"	3			8704	9.4		427.8	
7	"	"	4			8427	9.5		195.3	
7	"	"	5			8673	9.5		399.9	
7	*/A	45, 20	1	10000	8400	8405	9.3	9.4	480.5	
7	"	"	2			8796	9.4		359.6	
7	"	"	3			7710	9.4		427.8	
7	"	"	4			9214	9.5		430.9	
7	"	"	5			8917	9.5		468.1	
7	N/A	55, 5	1	12974	9800	10138	10.6	10.6	480.5	
7	"	"	2			9753	10.2		306.9	
7	"	"	3			11116	12		368.9	1m FROM BRICK CHIMNEY
7	"	"	4			9988	10.5		297.6	
7	"	"	5			9816	9.8		474.3	
9	N/A	5, 175	1	13172	11500	11263	11.8	11.2	124.0	
9	"	"	2			11175	11.4		424.7	
9	"	"	3			10239	10.9		89.9	
9	"	"	4			10809	10.9		235.6	
9	"	"	5			11700	11.1		434.0	
9	N/A	5, 140	1	13145	11200	10862	10.7	10.3	176.7	
9	"	"	2			11136	11		331.7	
9	"	"	3			8429	9.2		-105.4	

TABLE 29

RADIOLOGICAL SURVEY DATA AND COMPARISON AGAINST ACCEPTANCE CRITERIA FOR SURVEYS OF PAVED AREAS (SURVEY SECTION 30)

LOCATION (AREA #)	SOIL SAMPLE NUMBER	X,Y COORDINATES	POINT NUMBER	L E GAMMA SCAN MAX CPM	L E GAMMA SCAN AVG CPM	L E GAMMA 1 MIN COUNT (COUNTS)	GAMMA @ 1m 1 MIN AVG (microR/hr)	GAMMA @ 1m GRID AVG. (microR/hr)	BETA COUNT 1 MIN COUNT DPM/100cm^2	COMMENTS
9	"	"	4			8537	10		207.7	
9	"	"	5			11976	10.5		465.0	
9	N/A	10, 125	1	15000	12000	11686	11.4	10.7	272.8	
9	"	"	2			10318	11.5		297.6	
9	"	"	3			9780	10.4		260.4	
9	"	"	4			9661	10.1		235.6	
9	"	"	5			10331	10.1		241.8	
9	N/A	5, 80	1	13730	10500	9723	9.9	9.8	139.5	
9	"	"	2			9761	9.5		570.4	
9	"	"	3			8791	9.4		164.3	
9	"	"	4			8810	9.5		71.3	
9	"	"	5			10185	10.5		306.9	
9	N/A	5, 30	1	10492	9000	8496	9.5	9.2	96.1	
9	"	"	2			9851	9.6		114.7	
9	"	"	3			8967	9.3		58.9	
9	"	"	4			8716	9.1		-46.5	
9	"	"	5			7694	8.4		151.9	
10	N/A	5, 70	1	12876	11500	11274	11.1	11.0	508.4	
10	"	"	2			9767	10.7		399.9	
10	"	"	3			11736	11.1		551.8	
10	"	"	4			10621	10.9		310.0	
10	"	"	5			10906	11		365.8	
10	N/A	5, 45	1	12884	10200	11364	10.8	10.5	412.3	
10	"	"	2			11071	11.5		452.6	
10	"	"	3			8334	10		477.4	
10	"	"	4			7946	9.1		486.7	
10	"	"	5			11421	11		576.6	
10	N/A	5, 15	1	15668	11700	11364	11	10.6	511.5	
10	"	"	2			11039	11		511.5	
10	"	"	3			9921	10.3		263.5	
10	"	"	4			9422	10.3		310.0	

TABLE 29

RADIOLOGICAL SURVEY DATA AND COMPARISON AGAINST ACCEPTANCE CRITERIA FOR SURVEYS OF PAVED AREAS (SURVEY SECTION 30)

LOCATION (AREA #)	SOIL SAMPLE NUMBER	X,Y COORDINATES	POINT NUMBER	L E GAMMA SCAN MAX CPM	L E GAMMA SCAN AVG CPM	L E GAMMA 1 MIN COUNT (COUNTS)	GAMMA @ 1m 1 MIN AVG (microR/hr)	GAMMA @ 1m GRID AVG. (microR/hr)	BETA COUNT 1 MIN COUNT DPM/100cm^2	COMMENTS
10	"	"	5			10737	10.6		421.6	
11	N/A	5, 235	1	14564	10700	10067	10.7	10.8	393.7	
11	"	"	2			11322	12.3		412.3	
11	"	"	3			8739	11		133.3	
11	"	"	4			10325	10		375.1	
11	"	"	5			9878	10		471.2	
11	N/A	5, 175	1	14852	12500	11914	11.5	11.5	399.9	
11	"	"	2			12212	11.4		449.5	
11	"	"	3			11836	11		480.5	
11	"	"	4			11031	11.5		461.9	
11	"	"	5			11500	12		248.0	
11	N/A	5, 90	1	13216	10500	10961	10.6	10.3	378.2	
11	"	"	2			8982	9.7		458.8	
11	"	"	3			9308	10.2		424.7	
11	"	"	4			10918	10.3		384.4	
11	"	"	5			9956	10.9		359.6	
11	N/A	10, 20	1	14600	12500	10843	10.9	11.0	427.8	
11	"	"	2			11523	11.3		393.7	
11	"	"	3			10738	10.8		477.4	
11	"	"	4			11466	10.7		514.6	
11	"	"	5			11547	11.2		613.8	
11	N/A	15, 10	1	13107	10800	10309	10.4	10.8	300.7	
11	"	"	2			9797	10.3		337.9	
11	"	"	3			10795	11		465.0	
11	"	"	4			11101	11.8		263.5	
11	"	"	5			10569	10.7		446.4	
13	N/A	-5, -25	1	11071	9500	7671	9.6	10.1	-18.6	ASPHALT
13	"	"	2			8144	9.4		6.2	ASPHALT
13	"	"	3			8826	10.1		-9.3	CONCRETE
13	"	"	4			9798	11		328.6	CONCRETE
13	"	"	5			7773	10.2		15.5	ASPHALT

TABLE 29

RADIOLOGICAL SURVEY DATA AND COMPARISON AGAINST ACCEPTANCE CRITERIA FOR SURVEYS OF PAVED AREAS (SURVEY SECTION 30)

LOCATION (AREA #)	SOIL SAMPLE NUMBER	X,Y COORDINATES	POINT NUMBER	L E GAMMA SCAN MAX CPM	L E GAMMA SCAN AVG CPM	L E GAMMA 1 MIN COUNT (COUNTS)	GAMMA @ 1m 1 MIN AVG (microR/hr)	GAMMA @ 1m GRID AVG. (microR/hr)	BETA COUNT 1 MIN COUNT DPM/100cm^2	COMMENTS
14	N/A	10, -10	1	12000	9500	9615	10.2	10.1	120.9	
14	"	"	2			9241	9.6		173.6	
14	"	"	3			9188	9.5		127.1	
14	"	"	4			9662	10.8		130.2	
14	"	"	5			10038	10.4		133.3	
15	N/A	25, 0	1	10508	8500	8260	8.8	9.1	145.7	
15	"	"	2			7680	8.7		266.6	
15	"	"	3			7367	8.8		285.2	
15	"	"	4			7680	9.5		145.7	
15	"	"	5			8798	9.7		399.9	

STASTICAL ANALYSIS:						
NUMBER OF SAMPLES	33	33	165	165	33	165
MINIMUM	9439	7600	7282	8.30	8.62	-105.40
MAXIMUM	15668	12500	12849	14.40	13.50	654.10
AVERAGE	12359	10159	9738	10.13	10.13	291.12
STANDARD DEVIATION	1646	1255	1222	1.01	0.92	152.48
LIMIT				18.0	18.0	5,000
FACTOR FOR COMPARISON OF SURVEY DATA @95% CONFIDENCE:				1.657	1.694	1.657
DATA TEST PARAMETER				10.26	10.40	310.79
"NUMBER OF SAMPLES" FACTOR				7.77	8.54	30.88
DOES DATA SATISFY LIMIT CRITERIA?				YES	YES	YES
WERE AN ADEQUATE NUMBER OF SAMPLES TAKEN?				YES	YES	YES

TABLE 30

RADIOLOGICAL SURVEY DATA AND COMPARISON AGAINST ACCEPTANCE CRITERIA FOR SURVEYS OF UNPAVED AREAS (SURVEY SECTION 30)

LOCATION (AREA #)	SOIL SAMPLE NUMBER	X,Y COORDINATES	POINT NUMBER	L E GAMMA SCAN MAX CPM	L E GAMMA SCAN AVG CPM	L E GAMMA 1 MIN COUNT (COUNTS)	GAMMA @ 1m 1 MIN AVG (microR/hr)	GAMMA @ 1m GRID AVG. (microR/hr)	BETA COUNT 1 MIN COUNT DPM/100cm^2	COMMENTS
1	751	30,0	1	14963	12500	12223	12.7	12.0	N/A	SAMP #751
1		"	2			12073	11.5		"	NEAR BRICK BUILDING
1		"	3			12233	11.7		"	AREA APPROX. 10m X 4m
1		"	4			12220	11.7		"	
1		"	5			11161	12.4		"	
1	758	20,100	1	14863	12900	12555	11.5	11.5	N/A	SAMP #758
1		"	2			12393	11.7		"	
1		"	3			12346	11.7		"	
1		"	4			11981	11.5		"	
1		"	5			11973	11.1		"	
1	757	40,100	1	15385	12200	11984	11.2	11.6	N/A	SAMP #757
1		"	2			12649	12.2		"	
1		"	3			12533	12.4		"	
1		"	4			11463	11.0		"	
1		"	5			11607	11.4		"	
3	753	15,40	1	16394	13800	14506	13.0	13.2	N/A	SAMP #753
3		"	2			14437	13.9		"	
3		"	3			14229	13.6		"	
3		"	4			14031	12.5		"	
3		"	5			13986	13.0		"	
3	752	25,0	1	20271	12700	14713	13.3	13.4	N/A	SAMP #752
3		"	2			14623	13.4		"	
3		"	3			14008	12.6		"	
3		"	4			15079	13.2		"	
3		"	5			15509	14.5		"	
3	756	40,0	1	17850	15000	14161	13.4	12.8	N/A	SAMP #756
3		"	2			13680	12.2		"	
3		"	3			13136	11.4		"	
3		"	4			13394	12.9		"	
3		"	5			14921	14.2		"	
4	754	20,185	1	15268	12000	10872	10.9	10.8	N/A	SAMP #754

TABLE 30

RADIOLOGICAL SURVEY DATA AND COMPARISON AGAINST ACCEPTANCE CRITERIA FOR SURVEYS OF UNPAVED AREAS (SURVEY SECTION 30)

LOCATION (AREA #)	SOIL SAMPLE NUMBER	X,Y COORDINATES	POINT NUMBER	L E GAMMA SCAN MAX CPM	L E GAMMA SCAN AVG CPM	L E GAMMA 1 MIN COUNT (COUNTS)	GAMMA @ 1m 1 MIN AVG (microR/hr)	GAMMA @ 1m GRID AVG. (microR/hr)	BETA COUNT 1 MIN COUNT DPM/100cm^2	COMMENTS
4		"	2			11108	10.8		"	
4		"	3			11459	10.7		"	
4		"	4			10919	10.8		"	
4		"	5			11093	10.6		"	
5	755	85,20	1	12346	10700	10444	10.0	9.9	N/A	SAMP #755
5		"	2			10226	9.8		"	
5		"	3			10855	10.4		"	
5		"	4			11135	9.6		"	
5		"	5			10001	9.6		"	
8	761	10,10	1	19170	14000	16234	16.0	17.0	N/A	SAMP #761
8		"	2			19219	17.0		"	
8		"	3			17975	18.0		"	
8		"	4			15442	17.0		"	
8		"	5			17352	17.0		"	
8	762	30,10	1	21144	15000	18484	15.0	15.8	N/A	SAMP #762
8		"	2			19081	16.0		"	
8		"	3			21205	18.0		"	
8		"	4			14964	15.0		"	
8		"	5			13969	15.0		"	
8	763	50,10	1	16998	14400	13845	16.0	15.8	N/A	SAMP #763
8		"	2			15202	15.0		"	
8		"	3			14889	16.0		"	
8		"	4			14467	15.0		"	
8		"	5			16346	17.0		"	
8	764	70,10	1	16129	13000	14331	15.0	14.8	N/A	SAMP #764
8		"	2			14432	14.0		"	
8		"	3			14486	14.0		"	
8		"	4			14475	15.0		"	
8		"	5			15182	16.0		"	
8	765	90,10	1	15190	13000	13521	15.0	14.6	N/A	SAMP #765
8		"	2			16486	15.0		"	

TABLE 30

RADIOLOGICAL SURVEY DATA AND COMPARISON AGAINST ACCEPTANCE CRITERIA FOR SURVEYS OF UNPAVED AREAS (SURVEY SECTION 30)

LOCATION (AREA #)	SOIL SAMPLE NUMBER	X,Y COORDINATES	POINT NUMBER	L E GAMMA SCAN MAX CPM	L E GAMMA SCAN AVG CPM	L E GAMMA 1 MIN COUNT (COUNTS)	GAMMA @ 1m 1 MIN AVG (microR/hr)	GAMMA @ 1m GRID AVG. (microR/hr)	BETA COUNT 1 MIN COUNT DPM/100cm^2	COMMENTS
8		"	3			16542	13.0		"	
8		"	4			14301	15.0		"	
8		"	5			16226	15.0		"	
8	766	110,10	1	14493	11000	14464	13.0	13.4	N/A	SAMP #766
8		"	2			14932	14.0		"	
8		"	3			12592	14.0		"	
8		"	4			11461	13.0		"	
8		"	5			13382	13.0		"	
8	767	40,20	1	16578	13200	14404	16.0	16.4	N/A	SAMP #767
8		"	2			15450	17.0		"	
8		"	3			15576	17.0		"	
8		"	4			15211	15.0		"	
8		"	5			14843	17.0		"	
8	768	80,5	1	15958	13100	16563	14.0	14.0	N/A	SAMP #768
8		"	2			14746	13.0		"	
8		"	3			14439	15.0		"	
8		"	4			12311	14.0		"	
8		"	5			14601	14.0		"	
11	750	0,30	1	15916	12900	13843	13.1	12.5	N/A	SAMP #750
11		"	2			13661	12.6		"	NEAR BRICK BUILDING
11		"	3			12795	12.1		"	AREA APPROX. 10m X 3m
11		"	4			13508	12.2		"	
11		"	5			14275	12.7		"	
17	717	@ Soil	1	15070	13000	14132	19.0	18.0	N/A	Sample point @ 5 meters
17		Sample #717	2			13082	17.0		"	west of 0' reference rear
17		"	3			16803	20.0		"	east gate.
17		"	4			13815	17.0		"	"
17		"	5			13828	17.0		"	"
17	718	@ Soil	1	17219	13514	14235	17.0	16.2	N/A	Sample point @ 30 meters
17		Sample #718	2			14920	17.0		"	west of 0' reference rear
17		"	3			14551	15.0		"	east gate.

TABLE 30

RADIOLOGICAL SURVEY DATA AND COMPARISON AGAINST ACCEPTANCE CRITERIA FOR SURVEYS OF UNPAVED AREAS (SURVEY SECTION 30)

LOCATION (AREA #)	SOIL SAMPLE NUMBER	X,Y COORDINATES	POINT NUMBER	L E GAMMA SCAN MAX CPM	L E GAMMA SCAN AVG CPM	L E GAMMA 1 MIN COUNT (COUNTS)	GAMMA @ 1m 1 MIN AVG (microR/hr)	GAMMA @ 1m GRID AVG. (microR/hr)	BETA COUNT 1 MIN COUNT DPM/100cm^2	COMMENTS
17		"	4			15196	16.0		"	"
17		"	5			13877	16.0		"	"
17	719	@ Soil	1	17150	13800	14061	19.0	17.2	N/A	Sample point @ 50 meters
17		Sample #719	2			13675	16.0		"	west of 0' reference rear
17		"	3			13099	18.0		"	east gate.
17		"	4			13579	16.0		"	"
17		"	5			13376	17.0		"	"
17	720	@ Soil	1	15350	12800	13310	19.0	16.8	N/A	Sample point @ 70 meters
17		Sample #720	2			13934	17.0		"	west of 0' reference rear
17		"	3			13796	17.0		"	east gate.
17		"	4			11503	15.0		"	"
17		"	5			13607	16.0		"	"
17	721	@ Soil	1	17950	14600	12736	15.0	16.2	N/A	Sample point @ 85 meters
17		Sample #721	2			14406	18.0		"	west of 0' reference rear
17		"	3			13579	17.0		"	east gate.
17		"	4			12229	16.0		"	"
17		"	5			12637	15.0		"	"
17	722	@ Soil	1	16840	12800	12470	16.0	17.2	N/A	Sample point @ 100 meters
17		Sample #722	2			17061	20.0		"	west of 0' reference rear
17		"	3			13924	17.0		"	east gate.
17		"	4			13550	17.0		"	"
17		"	5			14826	16.0		"	"
17	723	@ Soil	1	14870	13213	13876	16.0	17.2	N/A	Sample point @ 115 meters
17		Sample #723	2			14082	20.0		"	west of 0' reference rear
17		"	3			14611	17.0		"	east gate.
17		"	4			14567	17.0		"	"
17		"	5			14865	16.0		"	"
17	724	@ Soil	1	14789	13364	13836	18.0	17.2	N/A	Sample point @ 140 meters
17		Sample #724	2			13931	21.0		"	west of 0' reference rear
17		"	3			13332	18.0		"	east gate.
17		"	4			11020	14.0		"	"

TABLE 30

RADIOLOGICAL SURVEY DATA AND COMPARISON AGAINST ACCEPTANCE CRITERIA FOR SURVEYS OF UNPAVED AREAS (SURVEY SECTION 30)

LOCATION (AREA #)	SOIL SAMPLE NUMBER	X,Y COORDINATES	POINT NUMBER	L E GAMMA SCAN MAX CPM	L E GAMMA SCAN AVG CPM	L E GAMMA 1 MIN COUNT (COUNTS)	GAMMA @ 1m 1 MIN AVG (microR/hr)	GAMMA @ 1m GRID AVG. (microR/hr)	BETA COUNT 1 MIN COUNT DPM/100cm^2	COMMENTS
17		"	5			14666	15.0		"	"
17	725	@ Soil	1	17893	13461	12944	17.0	17.4	N/A	Sample point @ 165 meters
17		Sample #725	2			15611	18.0		"	west of 0' reference rear
17		"	3			13598	19.0		"	east gate.
17		"	4			15988	17.0		"	"
17		"	5			15965	16.0		"	"
17	726	@ Soil	1	18250	13150	14595	17.0	17.4	N/A	Sample point @ 180 meters
17		Sample #726	2			14524	18.0		"	west of 0' reference rear
17		"	3			15192	17.0		"	east gate.
17		"	4			13645	18.0		"	"
17		"	5			13712	17.0		"	"
17	727	@ Soil	1	16625	13100	14074	17.0	17.2	N/A	Sample point @ 195 meters
17		Sample #727	2			13973	17.0		"	west of 0' reference rear
17		"	3			14413	19.0		"	east gate.
17		"	4			12584	17.0		"	"
17		"	5			13293	16.0		"	"
17	728	@ Soil	1	17654	13825	15450	18.0	18.6	N/A	Sample point @ 210 meters
17		Sample #728	2			13474	19.0		"	west of 0' reference rear
17		"	3			14432	18.0		"	east gate.
17		"	4			14700	19.0		"	"
17		"	5			13557	19.0		"	"
17	729	@ Soil	1	15827	12791	15205	19.0	18.4	N/A	Sample point @ 225 meters
17		Sample #729	2			13614	18.0		"	west of 0' reference rear
17		"	3			13783	20.0		"	east gate.
17		"	4			13684	17.0		"	"
17		"	5			14188	18.0		"	"
17	730	@ Soil	1	15890	13551	13733	17.0	15.6	N/A	Sample point @ 20 meters
17		Sample #730	2			13570	16.0		"	south of 225 meter point
17		"	3			13374	16.0		"	west of 0' reference rear
17		"	4			11851	14.0		"	east gate.(Rdgs. span at
17		"	5			12688	15.0		"	5 meter x 2.5 meter area)

TABLE 30

RADIOLOGICAL SURVEY DATA AND COMPARISON AGAINST ACCEPTANCE CRITERIA FOR SURVEYS OF UNPAVED AREAS (SURVEY SECTION 30)

LOCATION (AREA #)	SOIL SAMPLE NUMBER	X,Y COORDINATES	POINT NUMBER	L E GAMMA SCAN MAX CPM	L E GAMMA SCAN AVG CPM	L E GAMMA 1 MIN COUNT (COUNTS)	GAMMA @ 1m 1 MIN AVG (microR/hr)	GAMMA @ 1m GRID AVG. (microR/hr)	BETA COUNT 1 MIN COUNT DPM/100cm^2	COMMENTS
17	731	@ Soil	1	14670	11883	12336	16.0	15.4	N/A	Sample point @ 40 meters
17		Sample #731	2			11531	15.0	.	"	south of 225 meter point
17		"	3			11755	17.0		"	west of 0' reference rear
17		"	4			12382	15.0		"	east gate.(Rdgs. span at
17		"	5			11734	14.0		"	5 meter x 2.5 meter area)
17	759	@ Soil	1	10158	9500	9899	11.0	11.0	N/A	Sample point @ 125 meters
17		Sample #759	2						"	south of 225 meter point
17		"	3						"	west of 0' reference rear
17		"	4						"	east gate. Area too small
17		"	5						"	for all readings.
17	760	@ Soil	1	10502	9200	9154	10.0	10.8	N/A	Sample point @ 160 meters
17		Sample #760	2			9466	11.0		"	south of 225 meter point
17		"	3			8755	10.0		"	west of 0' reference rear
17		"	4			9198	12.0		"	east gate.
17		"	5			10011	11.0		"	

STASTICAL ANALYSIS:					
NUMBER OF SAMPLES	34	34	166	166	34
MINIMUM	10158	9200	8755	9.60	9.88
MAXIMUM	21144	15000	21205	21.00	18.60
AVERAGE	16048	12910	13722	15.02	14.92
STANDARD DEVIATION	2226	946	1902	2.64	2.51
LIMIT				18.0	18.0
FACTOR FOR COMPARISON OF SURVEY DATA @95% CONFIDENCE:				1.657	1.693
DATA TEST PARAMETER				15.36	15.65
"NUMBER OF SAMPLES" FACTOR				1.13	1.23
DOES DATA SATISFY LIMIT CRITERIA?				YES	YES
WERE AN ADEQUATE NUMBER OF SAMPLES TAKEN?				YES	YES

TABLE 31

ANALYTICAL RESULTS FOR SOIL SAMPLES TAKEN OF SITE GROUNDS

				GAMMA SPEC.		ALPHA SPECTROMETRY RESULTS					IS	RATIO OF	
PROJ ID	AREA LOCATION	X COORDINATE	Y COORDINATE	LAB ID	U-235 pCi/gm	LAB ID	U-233 pCi/gm	U-234 pCi/gm	U-235 pCi/gm	U-238 pCi/gm	U-TOTAL pCi/gm	U-TOTAL <30 pCi/gm	U-TOTAL TO U-235	%U-235
758	1	20	100	93- 817	<1.40E-01									
751	1	30	0	93- 810	<2.40E-01									
757	1	40	100	93- 816	<2.70E-01									
COMPOSITE, SAMP. #758,751,757				AVG.=2.17E-01		93- 817	<2.50E-01	1.13E+00	1.60E-01	4.90E-01	2.03E+00	YES	12.7	4.83%
753	2	15	40	93- 812	<3.40E-01									
752	3	25	0	93- 811	<2.60E-01									
756	3	40	0	93- 815	<2.30E-01									
COMPOSITE, SAMP. #753,752,756				AVG.=2.77E-01		93- 812	<1.40E-01	6.80E-01	<9.00E-02	3.80E-01	1.29E+00	YES	14.3	3.55%
754	4	20	185	93- 813	<2.20E-01									
755	5	85	20	93- 814	1.62E-01									
761	8	10	10	93- 820	<3.40E-01									
COMPOSITE, SAMP. #754,755,761				AVG.=2.47E-01		93- 813	<1.30E-01	4.40E-01	<1.10E-01	4.30E-01	1.11E+00	YES	10.1	3.82%
762	8	30	10	93- 821	<3.70E-01									
767	8	40	20	93- 826	1.97E-01									
763	8	50	10	93- 822	<3.70E-01									
COMPOSITE, SAMP. #762,767,763				AVG.=3.12E-01		93- 821	<2.70E-01	6.10E-01	<9.00E-02	6.30E-01	1.60E+00	YES	17.8	2.17%
764	8	70	10	93- 823	3.48E-01									
768	8	80	5	93- 827	1.49E-01									
765	8	90	10	93- 824	<3.40E-01									
COMPOSITE, SAMP. #764,768,765				AVG.=2.79E-01		93- 823	<1.30E-01	1.10E+00	1.10E-01	5.10E-01	1.85E+00	YES	16.8	3.24%
766	8	110	10	93- 825	<2.30E-01									
750	11	0	30	93- 809	<3.50E-01									
717	17	at 5 m west of 0 m		93- 776	2.10E-01									
COMPOSITE, SAMP. #766,750,717				AVG.=2.63E-01		93- 776	<1.50E-01	5.50E-01	<1.40E-01	6.20E-01	1.46E+00	YES	10.4	3.39%
718	17	at 30 m west of 0 m		93- 777	<2.20E-01									
719	17	at 50 m west of 0 m		93- 778	1.78E-01									
720	17	at 70 m west of 0 m		93- 779	1.76E-01									
721	17	at 85 m west of 0 m		93- 780	<2.70E-01									
COMPOSITE, SAMP. #718,719,720,721				AVG.=2.11E-01		93- 777	<1.00E-01	7.90E-01	<1.30E-01	5.00E-01	1.52E+00	YES	11.7	3.88%
722	17	at 100 m west of 0 m		93- 781	<3.60E-01									
723	17	at 115 m west of 0 m		93- 782	<3.50E-01									
724	17	at 140 m west of 0 m		93- 783	<2.30E-01									
725	17	at 165 m west of 0 m		93- 784	<3.50E-01									
COMPOSITE, SAMP. #722,723,724,725				AVG.=3.23E-01		93- 781	<1.10E-01	2.43E+00	1.30E-01	6.20E-01	3.29E+00	YES	25.3	3.16%
726	17	at 180 m west of 0 m		93- 785	1.82E-01									
727	17	at 195 m west of 0 m		93- 786	<2.70E-01									

TABLE 31

ANALYTICAL RESULTS FOR SOIL SAMPLES TAKEN OF SITE GROUNDS

PROJ ID	AREA LOCATION	X COORDINATE	Y COORDINATE	GAMMA SPEC. LAB ID	GAMMA SPEC. U-235 pCi/gm	ALPHA SPECTROMETRY RESULTS LAB ID	U-233 pCi/gm	U-234 pCi/gm	U-235 pCi/gm	U-238 pCi/gm	U-TOTAL pCi/gm	IS U-TOTAL <30 pCi/gm	RATIO OF U-TOTAL TO U-235	%U-235
728	17	at 210 m west of 0 m		93- 787	<3.50E-01									
729	17	at 225 m west of 0 m		93- 788	<2.20E-01									
COMPOSITE, SAMP. #726,727,728,729				AVG.=2.56E-01		93- 785	<8.00E-02	4.20E-01	<5.00E-01	3.00E-01	1.30E+00	YES	2.6	20.58%
730	17	20m south of 225m point		93- 789	<3.20E-01									
731	17	40m south of 225m point		93- 790	<2.40E-01									
759	17	125m south of 225m point		93- 818	<3.70E-01									
760	17	160m south of 225m point		93- 819	1.57E-01									
COMPOSITE, SAMP. #730,731,759,760				AVG.=2.94E-01		93- 789	<8.00E-02	4.20E-01	<1.00E-01	4.10E-01	1.01E+00	YES	10.1	3.65%

STASTICAL ANALYSIS:								
NUMBER OF SAMPLES	34	10	10	10	10	10	10	10
MINIMUM	1.40E-01					1.01E+00		
MAXIMUM	3.70E-01					3.29E+00		
AVERAGE	2.65E-01	1.44E-01	8.57E-01	1.56E-01	4.89E-01	1.65E+00	13.2	5.23%
STANDARD DEVIATION	7.48E-02	6.23E-02	5.79E-01	1.17E-01	1.06E-01	6.23E-01	5.7	5.15%
LIMIT	1					30		
FACTOR FOR COMPARISON OF SURVEY DATA @95% CONFIDENCE:	1.693					1.833		
DATA TEST PARAMETER	0.29					2.01		
"NUMBER OF SAMPLES" FACTOR	9.83					45.50		
DOES DATA SATISFY LIMIT CRITERIA?	YES					YES		
WERE AN ADEQUATE NUMBER OF SAMPLES TAKEN?	YES					YES		

BACKGROUND SOIL RESULTS (SEE REPORT #007 FOR INFORMATION)	GAMMA SPEC. U-235 pCi/gm	ALPHA SPECTROMETRY RESULTS U-233 pCi/gm	U-234 pCi/gm	U-235 pCi/gm	U-238 pCi/gm	U-TOTAL pCi/gm	RATIO OF U-TOTAL TO U-235	%U-235
AVERAGE	3.24E-01	1.67E-02	4.61E-01	5.98E-02	4.49E-01	9.86E-01	29.5	1.95%
STANDARD DEVIATION	1.01E-01	6.96E-03	2.45E-01	8.76E-02	2.19E-01	4.89E-01	13.2	2.12%

TABLE 32

ANALYSIS OF SURVEY RESULTS AND COMPARISON AGAINST LIMITS FOR STORM DRAIN CATCH BASINS BENEATH BUILDINGS 5, 6, AND 8

SURFACE DESCRIPTION	GRID	X,Y REFERENCE POINT	GAMMA SURVEY @1 METER (microR/hr)	LOW ENERGY GAMMA @ CONTACT 1 MIN. COUNT (mR/hr)	BETA/ GAMMA ON CONTACT (mr/hr)	SCAN RESULTS MAXIMUM BETA (dpm/100cm^2)	SCAN RESULTS AVERAGE BETA (dpm/100cm^2)	TOTAL FIXED ACTIVITY ALPHA (dpm/100cm^2)	TOTAL FIXED ACTIVITY BETA (dpm/100cm^2)	REMOVABLE ACTIVITY ALPHA (dpm/100cm^2)	REMOVABLE ACTIVITY BETA (dpm/100cm^2)
Building 5 Catch Basin Closest Out	@ 10'	1	11	9474	N/A	-24.4	-48.7	N/A	N/A	-0.26	-2.49
"		2	12	9552	"	-48.7	-73.1	"	"	-0.26	-2.49
"	@ 20'	3	13	13248	"	24.4	0.0	"	"	-0.26	-2.49
"		4	10	9506	"	-73.1	-97.4	"	"	-0.26	-2.49
"	@ 30'	5	11	10176	"	0.0	-48.7	"	"	7.74	3.59
"		6	11	9186	"	-97.4	-121.8	"	"	-0.26	-2.49
"	@ 40'	7	12	9772	"	-73.1	-97.4	"	"	-0.26	3.59
"		8	12	9972	"	0.0	-48.7	"	"	-0.26	-2.49
"	@ 50'	9	11	9412	"	-48.7	-73.1	"	"	-0.26	3.41
"		10	10	9766	"	-48.7	-97.4	"	"	7.66	-0.48
Building 6 Catch Basin	@ 10'	1	10	9624	"	24.4	-48.7	"	"	-0.26	3.59
		2	10	9464	"	24.4	0.0	"	"	-0.26	3.41
"	@ 20'	3	11	9722	"	48.7	0.0	"	"	-0.26	-2.49
"		4	10	9886	"	73.1	-24.4	"	"	7.74	-2.49
"	@ 30'	5	11	10080	"	48.7	-24.4	"	"	-0.26	-2.49
"		6	11	9742	"	73.1	-24.4	"	"	-0.26	3.41
"	@ 40'	7	10	9720	"	24.4	-48.7	"	"	-0.26	-2.49
"		8	10	9854	"	48.7	-48.7	"	"	-0.26	3.41
"	@ 50'	9	10	9440	"	0.0	-73.1	"	"	-0.26	3.59
"		10	12	9418	"	24.4	0.0	"	"	-0.26	9.31
"	@ 60'	11	10	9722	"	24.4	-24.4	"	"	-0.26	9.31
"		12	11	9732	"	0.0	-24.4	"	"	-0.26	-2.49
"	@ 70'	13	12	10150	"	48.7	0.0	"	"	-0.26	9.66
"		14	10	9646	"	24.4	-24.4	"	"	-0.26	-2.49
Building 8 Catch Basin Floor	N/A	See Map	15	9720	"	73.1	-24.4	"	"	7.74	3.59
"	"	"	15	9950	"	73.1	-24.4	"	"	-0.26	-2.49
"	"	"	13	10672	"	48.7	-48.7	"	"	7.51	9.31
"	"	"	13	10272	"	97.4	0.0	"	"	-0.26	3.59
"	"	"	11	10680	"	73.1	0.0	"	"	-0.26	15.74
"	"	"	12	10132	"	73.1	0.0	"	"	-0.26	3.41
"	"	"	11	9722	"	73.1	0.0	"	"	-0.26	3.59

TABLE 32

ANALYSIS OF SURVEY RESULTS AND COMPARISON AGAINST LIMITS FOR STORM DRAIN CATCH BASINS BENEATH BUILDINGS 5, 6, AND 8

SURFACE DESCRIPTION	GRID	X,Y REFERENCE POINT	GAMMA SURVEY @1 METER (microR/hr)	LOW ENERGY GAMMA @ CONTACT 1 MIN. COUNT (mR/hr)	BETA/ GAMMA ON CONTACT (mr/hr)	SCAN RESULTS MAXIMUM BETA (dpm/100cm^2)	SCAN RESULTS AVERAGE BETA (dpm/100cm^2)	TOTAL FIXED ACTIVITY ALPHA (dpm/100cm^2)	TOTAL FIXED ACTIVITY BETA (dpm/100cm^2)	REMOVABLE ACTIVITY ALPHA (dpm/100cm^2)	REMOVABLE ACTIVITY BETA (dpm/100cm^2)
"	"	"	15	10616	"	97.4	24.4	"	"	-0.26	3.59
"	"	"	11	9890	"	97.4	24.4	"	"	-0.26	-2.49
"	"	"	11	10102	"	48.7	-24.4	"	"	-0.26	9.66
"	"	"	11	10526	"	48.7	0.0	"	"	-0.26	-2.49
"	"	"	12	10286	"	24.4	-48.7	"	"	7.51	3.41
STASTICAL ANALYSIS											
NUMBER OF SAMPLES			36	36		36	36			36	36
MINIMUM			10.00	9186		-97.4	-121.8			-0.26	-2.49
MAXIMUM			15.00	13248		97.4	24.4			7.74	15.74
AVERAGE			11.42	9968		25.7	-33.1			1.05	2.07
STANDARD DEVIATION			1.40	666		50.3	35.5			2.95	4.73
LIMIT			15			15,000	5,000			1,000	1,000
FACTOR FOR COMPARISON OF SURVEY DATA @95% CONFIDENCE:			1.691			1.691	1.691			1.691	1.691
DATA TEST PARAMETER			11.81			39.89	-23.15			1.89	3.40
"NUMBER OF SAMPLES" FACTOR			2.56			297.44	141.98			338.69	210.77
DOES DATA SATISFY LIMIT CRITERIA?			YES			YES	YES			YES	YES
WERE AN ADEQUATE NUMBER OF SAMPLES TAKEN?			YES			YES	YES			YES	YES

TABLE 33

ANALYTICAL RESULTS FOR STORM DRAIN SURFACE CATCH BASIN SAMPLES

PROJ ID	DESCRIPTION	GAMMA SPECTROMETRY		ALPHA SPECTROMETRY RESULTS					IS U-TOTAL <30 pCi/gm	RATIO OF U-TOTAL TO U-235	PERCENT U-235
		LAB ID	U-235 pCi/gm	LAB ID	U-233 pCi/gm	U-234 pCi/gm	U-235 pCi/gm	U-238 pCi/gm	U-TOTAL pCi/gm			
519	CATCH BASIN #1	92-2979	<3.50E-01									
520	CATCH BASIN #2	92-2980	<2.00E-01									
521	CATCH BASIN #3	92-2981	<1.90E-01									
522	CATCH BASIN #4	92-2982	<2.80E-01									
523	CATCH BASIN #5	92-2983	<2.40E-01									
	COMPOSITE OF CATCH BASINS #1-5	AVG.=2.52E-01		92-2979	<1.60E-01	1.63E+00	<1.00E-01	<2.10E-01	2.10E+00	YES	21.0	6.89%
524	CATCH BASIN #6	92-2984	<2.30E-01									
525	CATCH BASIN #7	92-2985	<2.50E-01									
705	CATCH BASIN #8	93- 739	<2.90E-01									
706	CATCH BASIN #9	93- 740	<1.90E-01									
623	CATCH BASIN #10	93- 457	2.37E-01									
707	CATCH BASIN #11	93- 741	<3.90E-01									
	COMPOSITE OF CATCH BASINS #6-11	AVG.=2.65E-01		92-2984	<1.60E-01	8.50E-01	<1.70E-01	5.70E-01	1.75E+00	YES	10.3	4.43%
708	CATCH BASIN #12	93- 742	<4.00E-01									
709	CATCH BASIN #13	93- 743	<3.30E-01									
N/A	CATCH BASIN #14 (NO SEDIMENT WAS AVAILABLE TO SAMPLE AT THIS LOCATION)											
710	CATCH BASIN #15	93- 744	<9.90E-02									
711	CATCH BASIN #16	93- 745	<2.80E-01									
712	CATCH BASIN #17	93- 746	<1.40E-01									
	COMPOSITE OF CATCH BASINS #12-17	AVG.=2.50E-01		93- 742	<2.50E-01	1.42E+00	<2.20E-01	6.90E-01	2.58E+00	YES	11.7	4.72%
713	CATCH BASIN #18	93- 747	<4.30E-01									
714	CATCH BASIN #19	93- 748	<4.00E-01									
715	CATCH BASIN #20	93- 749	<2.80E-01									
716	CATCH BASIN #21	93- 750	1.16E-01									
544	CATCH BASIN #22	92-3167	3.43E-01									
545	CATCH BASIN #22, DUPLICATE	92-3168	2.57E-01									

TABLE 33

ANALYTICAL RESULTS FOR STORM DRAIN SURFACE CATCH BASIN SAMPLES

PROJ ID	DESCRIPTION	GAMMA SPECTROMETRY LAB ID	GAMMA SPECTROMETRY U-235 pCi/gm	ALPHA SPECTROMETRY RESULTS LAB ID	U-233 pCi/gm	U-234 pCi/gm	U-235 pCi/gm	U-238 pCi/gm	U-TOTAL pCi/gm	IS U-TOTAL <30 pCi/gm	RATIO OF U-TOTAL TO U-235	PERCENT U-235
	COMPOSITE OF CATCH BASINS #18-22	AVG.=3.04E-01		93- 747	<1.60E-01	3.34E+00	<2.40E-01	2.56E+00	6.30E+00	YES	26.3	1.44%
STASTICAL ANALYSIS:												
	NUMBER OF SAMPLES		22		4	4	4	4	4		4	4
	MINIMUM		9.90E-02									
	MAXIMUM		4.30E-01									
	AVERAGE		2.69E-01		1.83E-01	1.81E+00	1.83E-01	1.01E+00	3.18E+00		17.3	4.37%
	STANDARD DEVIATION		9.08E-02		3.90E-02	9.28E-01	5.40E-02	9.14E-01	1.82E+00		6.6	1.94%
	LIMIT		1						30			
	FACTOR FOR COMPARISON OF SURVEY DATA @95% CONFIDENCE:		1.721						2.353			
	DATA TEST PARAMETER		0.30						5.33			
	"NUMBER OF SAMPLES" FACTOR		8.05						14.70			
	DOES DATA SATISFY LIMIT CRITERIA?		YES						YES			
	WERE AN ADEQUATE NUMBER OF SAMPLES TAKEN?		YES						YES			

	BACKGROUND SOIL RESULTS (SEE REPORT #007 FOR INFORMATION)	GAMMA SPEC. U-235 pCi/gm	ALPHA SPECTROMETRY RESULTS U-233 pCi/gm	U-234 pCi/gm	U-235 pCi/gm	U-238 pCi/gm	U-TOTAL pCi/gm	RATIO OF U-TOTAL TO U-235	%U-235
	AVERAGE	3.24E-01	1.67E-02	4.61E-01	5.98E-02	4.49E-01	9.86E-01	29.5	1.95%
	STANDARD DEVIATION	1.01E-01	6.96E-03	2.45E-01	8.76E-02	2.19E-01	4.89E-01	13.2	2.12%

TABLE 34

ANALYTICAL RESULTS FOR SEDIMENT SAMPLES FROM ADJACENT STREAMS

PROJ ID	SAMPLE LOCATION AND IDENTIFICATION	GAMMA SPEC. LAB ID	GAMMA SPEC. U-235 pCi/gm	ALPHA SPECTROMETRY RESULTS LAB ID	U-233 pCi/gm	U-234 pCi/gm	U-235 pCi/gm	U-238 pCi/gm	U-TOTAL pCi/gm	IS U-TOTAL <30 pCi/gm	RATIO OF U-TOTAL TO U-235	%U-235
624	LOCATION A	93- 587	<1.70E-01									
625	" ON LEWIS RUN	93- 588	2.66E-01									
626	" UPSTREAM FROM	93- 589	1.68E-01									
627	" STORM SEWER	93- 590	<2.50E-01									
628	" DISCHARGE INTO	93- 591	1.46E-01									
629	" LEWIS RUN	93- 592	1.96E-01									
630	"	93- 593	<2.40E-01									
631	"	93- 594	<1.80E-01									
632	"	93- 595	<2.30E-01									
633	"	93- 596	<1.40E-01									
634	"	93- 597	2.05E-01									
	COMPOSITE OF #624-634	AVG.= 1.99E-01		93- 587	<2.80E-01	8.87E+00	2.04E+00	1.17E+00	1.24E+01	YES	6.1	21.32%
635	LOCATION B	93- 598	<2.50E-01									
636	" ON LEWIS RUN AT	93- 599	<1.80E-01									
637	" POINT OF STORM	93- 600	2.10E-01									
638	" SEWER DISCHARGE	93- 601	<1.60E-01									
639	" INTO LEWIS RUN	93- 602	3.47E-01									
640	"	93- 603	<1.50E-01									
641	"	93- 604	2.64E-01									
642	"	93- 605	1.57E-01									
643	"	93- 606	3.08E-01									
644	"	93- 607	<2.20E-01									
645	"	93- 608	2.47E-01									
646	"	93- 609	<1.90E-01									
	COMPOSITE OF #635-646	AVG.= 2.21E-01		93- 598	<1.70E-01	1.31E+00	8.1[illegible]	6.40E-01	2.93E+00	YES	3.6	16.44%
647	LOCATION C	93- 610	1.76E-01									
648	" ON PETERS CREEK	93- 611	1.57E-01									
649	" UPSTREAM FROM THE	93- 612	1.69E-01									
650	" SITE	93- 613	<1.50E-01									
651	"	93- 614	2.85E-01									
652	"	93- 615	1.82E-01									
653	"	93- 616	<1.90E-01									
654	"	93- 617	2.28E-01									
655	"	93- 618	2.06E-01									
656	"	93- 619	1.66E-01									
657	"	93- 620	<1.80E-01									
	COMPOSITE OF #647-657	AVG.= 1.90E-01		93- 610	4.50E-01	2.13E+00	6.40E-01	<3.80E-01	3.60E+00	YES	5.6	20.74%

TABLE 34

ANALYTICAL RESULTS FOR SEDIMENT SAMPLES FROM ADJACENT STREAMS

PROJ ID	SAMPLE LOCATION AND IDENTIFICATION	GAMMA SPEC. LAB ID	GAMMA SPEC. U-235 pCi/gm	ALPHA SPECTROMETRY RESULTS LAB ID	U-233 pCi/gm	U-234 pCi/gm	U-235 pCi/gm	U-238 pCi/gm	U-TOTAL pCi/gm	IS U-TOTAL <30 pCi/gm	RATIO OF U-TOTAL TO U-235	%U-235
658	LOCATION D	93- 621	2.25E-01									
659	" ON PETERS CREEK AT	93- 622	<2.30E-01									
660	" THE UPPER POINT OF	93- 623	1.73E-01									
661	" STORM SEWER	93- 624	2.36E-01									
662	" DISCHARGE INTO	93- 625	2.72E-01									
663	" PETERS CREEK	93- 626	2.95E-01									
664	"	93- 627	<2.50E-01									
665	"	93- 628	<2.60E-01									
666	"	93- 629	<1.90E-01									
667	"	93- 630	1.32E-01									
668	"	93- 631	<2.30E-01									
669	"	93- 632	1.35E-01									
	COMPOSITE OF #658-669	AVG.= 2.19E-01		93- 621	1.04E+00	9.20E-01	4.90E-01	1.03E+00	3.48E+00	YES	7.1	6.89%
670	LOCATION E	93- 633	1.78E-01									
671	" ON PETERS CREEK AT	93- 634	2.05E-01									
672	" THE LOWER POINT OF	93- 635	2.83E-01									
673	" STORM SEWER	93- 636	<1.00E-01									
674	" DISCHARGE INTO	93- 637	<1.70E-01									
675	" PETERS CREEK	93- 638	2.41E-01									
676	"	93- 639	1.97E-01									
677	"	93- 640	1.60E-01									
678	"	93- 641	1.96E-01									
679	"	93- 642	1.19E-01									
680	"	93- 643	<1.80E-01									
681	"	93- 644	1.57E-01									
	COMPOSITE OF #670-681	AVG.= 1.82E-01		93- 633	1.74E+00	7.40E-01	<2.90E-01	<3.10E-01	3.08E+00	YES	10.6	12.69%
682	LOCATION F	93- 645	2.54E-01									
683	" ON PETERS CREEK	93- 646	<8.80E-02									
684	" DOWN STREAM FROM	93- 647	<1.40E-01									
685	" THE SITE	93- 648	1.46E-01									
686	"	93- 649	<3.30E-01									
687	"	93- 650	1.70E-01									
688	"	93- 651	<2.40E-01									
689	"	93- 652	<1.60E-01									
690	"	93- 653	2.03E-01									
691	"	93- 654	<1.70E-01									
692	"	93- 655	<3.60E-01									

TABLE 34

ANALYTICAL RESULTS FOR SEDIMENT SAMPLES FROM ADJACENT STREAMS

PROJ ID	SAMPLE LOCATION AND IDENTIFICATION	GAMMA SPEC. LAB ID	GAMMA SPEC. U-235 pCi/gm	ALPHA SPECTROMETRY RESULTS LAB ID	U-233 pCi/gm	U-234 pCi/gm	U-235 pCi/gm	U-238 pCi/gm	U-TOTAL pCi/gm	IS U-TOTAL <30 pCi/gm	RATIO OF U-TOTAL TO U-235	%U-235
	COMPOSITE OF #682-692	AVG.= 2.06E-01		93- 645	<1.60E-01	1.99E+00	<1.50E-01	5.60E-01	2.86E+00	YES	19.1	4.00%
	STASTICAL ANALYSIS											
	NUMBER OF SAMPLES		69		6	6	6	6	6		6	6
	MINIMUM		8.80E-02									
	MAXIMUM		3.60E-01									
	AVERAGE		2.03E-01		6.40E-01	2.66E+00	7.37E-01	6.82E-01	4.72E+00		8.7	13.68%
	STANDARD DEVIATION		5.59E-02		5.75E-01	2.82E+00	6.22E-01	3.18E-01	3.43E+00		5.1	6.54%
	LIMIT		1						30			
	FACTOR FOR COMPARISON OF SURVEY DATA @95% CONFIDENCE:		1.669						2.015			
	DATA TEST PARAMETER		0.21						7.54			
	"NUMBER OF SAMPLES" FACTOR		14.24						7.37			
	DOES DATA SATISFY LIMIT CRITERIA?		YES						YES			
	WERE AN ADEQUATE NUMBER OF SAMPLES TAKEN?		YES						YES			

	BACKGROUND SOIL RESULTS (SEE REPORT #007 FOR INFORMATION)	GAMMA SPEC. U-235 pCi/gm	ALPHA SPECTROMETRY RESULTS U-233 pCi/gm	U-234 pCi/gm	U-235 pCi/gm	U-238 pCi/gm	U-TOTAL pCi/gm	RATIO OF U-TOTAL TO U-235	%U-235
	AVERAGE	3.24E-01	1.67E-02	4.61E-01	5.98E-02	4.49E-01	9.86E-01	29.5	1.95%
	STANDARD DEVIATION	1.01E-01	6.96E-03	2.45E-01	8.76E-02	2.19E-01	4.89E-01	13.2	2.12%

TABLE 35

PRESENCE OF NATURALLY OCCURING RADIOACTIVE MATERIAL

SURVEY SECTION	REPORT NUMBER	TABLE NUMBER	LOCATION CODE	LOCATION DESCRIPTION	COMMENTS
01	034	2	1-1-4	BUILDING 5, FIRST FLOOR	READINGS NEAR OLD BRICK WALL
01	034	6	1-7-1	BUILDING 5, FIRST FLOOR	BRICK TILE FLOOR
01	034	9	VARIOUS	BUILDING 5, FIRST FLOOR	READINGS NEAR OLD BRICK WALL
02	023	3	2-2-10	BUILDING 5, SECOND FLOOR	READINGS NEAR OLD BRICK WALL
04	017	4	4-3-1	BUILDING 6, FIRST FLOOR	READINGS NEAR OLD BRICK WALL
04	017	5	4-4-3	BUILDING 6, FIRST FLOOR	TILE AND FIXTURES IN LAVATORY
05	019	1	5-1-2	BUILDING 6, SECOND FLOOR	READINGS NEAR OLD BRICK WALL
07	012	7	7-6-4	BUILDING 7, FIRST FLOOR	TILE/FIXTURES IN LAVATORY, AND READINGS NEAR OLD BRICK WALL
08	035	4	8-3-5	BUILDING 8A, FIRST FLOOR	TILE AND FIXTURES IN LAVATORY
08	035	9	VARIOUS	BUILDING 8A, FIRST FLOOR	READINGS NEAR OLD BRICK WALL
14	015	1	14-1-18	BUILDING 4, BASEMENT	READINGS NEAR OLD BRICK WALL
28A	025	1	28A-1-5, 28A-1-6	BUILDING 4, FIRST FLOOR	TILE/FIXTURES IN LAVATORY, AND READINGS NEAR OLD BRICK WALL
28A	025	2	28A-2-30, 28A-2-31	BUILDING 4, SECOND FLOOR	TILE/FIXTURES IN LAVATORY, AND READINGS NEAR OLD BRICK WALL
28F	032	1	28F-1-23	BUILDING 8A, SECOND FLOOR	TILE AND FIXTURES IN LAVATORY

TABLE 35 (CONTINUED)
PRESENCE OF NATURALLY OCCURING RADIOACTIVE MATERIAL

SURVEY SECTION	REPORT NUMBER	TABLE NUMBER	LOCATION CODE	LOCATION DESCRIPTION	COMMENTS
28H	021	1	28H-1-3	BUILDING 10, FIRST FLOOR	TILE AND FIXTURES IN LAVATORY
28I	018	2	28I-2-1, 28I-2-3	BUILDING 11, SECOND FLOOR	WINDOW SILL
28K	005	ALL	ALL	INCINERATOR BUILDING	THORIUM PRESENT IN INCINERATOR FIREBRICK
29	038	2,5 & 6	VARIOUS	BUILDING ROOFS	ROOFING GRAVEL IS A SLAG MATERIAL

TABLE 36 - RESIDUAL ACTIVITY INVENTORY

SURVEY SECTION	REPORT NUMBER	TABLE NUMBER	LOCATION CODE	LOCATION DESCRIPTION	AREA INVOLVED	MEASURED ACTIVITY	CONSERVATIVE BASIS USED TO DETERMINE AVERAGE ACTIVITY VALUES	RESIDUAL ACTIVITY INVENTORY
1	034	4	1-4-1	BUILDING 5, FIRST FLOOR OLD FURNACE PIT	2.5 meters^2	1400 dpm/100cm^2	USED SCAN MEASUREMENTS FOR AVERAGE BETA ACTIVITY	0.16 microCuries
9	016	1	GRIDS 10E, 11E &12E	SOUTHEAST CORNER OF PIT IN BUILDING 9	3 meters^2	NO DETECTABLE ACTIVITY AFTER DECON EFFORTS		0 microCuries
10	010	1	PIPE CHASES E & F	BUILDING 9, FIRST FLOOR PIPE CHASE 'E' FROM 0 TO 4 FEET	1.4 meters^2	1900 dpm/100cm^2	USED FIXED MEASUREMENTS OF SURFACE BETA ACTIVITY	0.12 microCuries
				PIPE CHASE 'E' FROM 96 TO 102 FEET	2.5 meters^2	1300 dpm/100cm^2	USED FIXED MEASUREMENTS OF SURFACE BETA ACTIVITY	0.15 microCuries
				PIPE CHASE 'F' FROM 118 TO 140 FEET	3.6 meters^2	1300 dpm/100cm^2	USED FIXED MEASUREMENTS OF SURFACE BETA ACTIVITY	0.21 microCuries
11	033	1 & 2	11-1-2	FLOOR OF HYDROGEN FACILITY TEST CELL	12 meters^2	NO DETECTABLE ACTIVITY AFTER DECON EFFORTS		0 microCuries
30	039	2	LOCATION #7	EAST PARKING LOT	25 meters^2	48.5 picoCuries/gram	ASSUMED CONTAMINATION IS ENRICHED URANIUM TO A DEPTH OF 15cm OVER AREA	550 microCuries
							TOTAL ENRICHED URANIUM ACTIVITY	**550 microCuries**

TABLE 37

SUMMARY OF THE NUMBER OF RADIOLOGICAL SURVEYS CONDUCTED

ITEM	DESCRIPTION OF SURVEY INFORMATION	NUMBER OF LOCATIONS	NUMBER OF MEASUREMENTS
1	Placement of Thermoluminescent Dosimeters on site.	184	184
2	Preliminary survey of site building.	1044	3870
3	Survey of Monitored Drain Line trench excavation prior to backfilling. a) Gamma countrate measurements b) Soil samples taken	 1220 385	 1220 417
4	Determination of site background radiation levels. a) Instrument measurements b) Soil samples taken	30	 470 20
5	Final radiological survey of buildings and building roofs.	5182	35,170
6	Samples of roofing materials.	9	18
7	Floor scans of buildings.	177*	354
8	Survey of East Parking Lot beneath paving. a) Instrument measurements b) Soil samples taken	23	 105 14
9	Gamma surveys of site grounds to establish comparative baseline data.	1883	6319
10	Surveys of specific selected locations on site grounds. a) Instrument measurements (paved) b) Instrument measurements (unpaved) c) Soil samples taken	 165 166 34	 594 400 42
11	Survey of storm drain system. a) Instrument measurements b) Sediment samples taken	 36 40	 196 95
12	Survey of adjacent streams. a) Instrument measurements b) Soil samples taken	69	 87 75
	TOTALS: Number of Locations Number of Instrument Measurements Number of Analytical Measurements	 10,647	 48,969 681

* Each location for a floor scan covers a substantial area of floor.

APPENDIX A

SAMPLE CALCULATIONS

AND EXAMPLE OF HOW SURVEY POINT LOCATION IS IDENTIFIED

SAMPLE CALCULATIONS

AND EXAMPLE OF HOW SURVEY POINT LOCATION IS IDENTIFIED

DISCUSSION

This appendix presents a sample of the calculations used to convert recorded survey data into units appropriate for direct comparison against the radiological acceptance criteria. Also included is an example of how a specific sample survey point was identified making it possible to relocate the specific survey point at a later time to verify all measurements. To make the example realistic a survey point on the floor of Building Number 7 was selected. Included in this appendix is a copy of the appropriate pages from Report #012 making it unnecessary to refer back to the original report. These copied pages have been highlighted and annotated to identify specific information of interest. The selected survey point was at grid point (16, - 10) within location code 7-2-1, first floor of Building 7. The pages copied from Report #012 are:

a) Figure 2 - This is the floor plan for the first floor of Building 7, Survey Section 7. (See Table 3 of this report for this designation). Location code 7-2-1 has been outlined on this figure. (The description of the entire location code system is provided in Section 3.3.2 of this report). In summary, the location code means:

   7 = Survey Section designation
   2 = Unit designation within the Section
   1 = Subunit designation within the Unit

   The grid designation of (16, - 10) is the distance in meters from the "point-of-origin" for the specific surface. This point-of-origin has been marked on Figure 2, and represents a specific point on the floor surface at the north-west corner of that section of floor. Thus, this selected point is 16 meters east and 10 meters south of the "point-of-origin." The survey point is also marked on Figure 2.

b) Table 1 - This table provides a listing of all the subdivisions designated for this survey section and all assigned survey classifications. (See Table 9 of this report for a description of the classification system). This specified area (7-2-1) has a classification of 4 assigned.

c) Table 3 - This table presents the survey data with the results converted, as required, to the units necessary for comparison against the radiological acceptance criteria. Example calculations are provided in this appendix for the specific line of data outlined on the table.

d) Appendix B Information - In all of the reports, the survey data sheets provide all raw survey data. This survey data sheet information is incorporated into report Appendices. Each Appendix has only the survey data sheets for one survey unit. In this specific example, Appendix B of Report #012 has the survey data sheets for Unit 2. Only the five pages referring to the chosen survey point are included here. On the first page, the specific line of data for the chosen survey point is outlined. Other pertinent information is also outlined, as the location code, the survey classification and the identity of the instruments used. On the fourth page, the line of printout data for the swipe test results for the identified survey point has been outlined.

Note that on the printout for the automatic alpha/beta counter, no specific reference to the survey point is noted. When the swipe samples were loaded into the counting system they were placed in the same order as the location on survey data sheets. Hence, line 4 on the survey data sheet corresponds to line 4 of the automatic counting system printout.

SAMPLE CALCULATIONS

This discussion presents sample calculations used to convert survey data results into the units appropriate for comparison against the radiological acceptance criteria. The calculations are based on the actual data for the selected survey point location identified in the previous discussion: All references to Appendix B in the discussion below mean Appendix B of Report #012.

a) Gamma Dose Rate At One Meter Above The Surface

Value from Table 3 = 10 microrem/hour
Value from Appendix B = 10 microrem/hour

The Eberline Model PRM-7 (S/N 234) was used for this measurement as indicated at the top of the first page copied from Appendix B. The instrument reads directly in the appropriate units. No calculations are necessary.

b) Beta/Gamma Dose Rate On Contact

Value from Table 3 = 0.01 microrem/hour
Value from Appendix B = 0.01 microrem/hour

The Eberline Model ESP-2 (S/N 1522) was used for this measurement as indicated at the top of the first page copied from Appendix B. The instrument reads directly in the appropriate units. No calculations are necessary. (The instrument calibration records included under Tab 17 of Report #036 identify the instrument probe as an Eberline Model HP-270).

c) Beta Scan Of Area Around The Survey Point

Values from Table 3 = 186.3 dpm/100 cm^2 (Max.)
114.1 dpm/100 cm^2 (Avg.)
Values from Appendix B = 1770 CPM (Max.)
1675 CPM (Avg.)

The Ludlum Floor Monitor (S/N 91943) was used for these measurements. The equation used for data conversion is:

$$\frac{dpm}{100cm^2} = \left(\frac{c/m - B/m}{E}\right)\left(\frac{100}{A}\right)$$

Where:

c/m = Recorded countrate from the ratemeter.
B/m = Recorded background countrate from the ratemeter (i.e. 1525 cpm for Beta).
E = Detector efficiency of instrument in counts per disintegration (i.e. 30.3% for Beta)
A = Active surface area of the detector in cm^2 (i.e. 434 cm^2 for the Ludlum Floor Monitor. See Appendix E of Report #037).

The actual calculations are:

For Max:

$$\frac{dpm}{100cm^2}=(\frac{1770-1525}{.303})(\frac{100}{434})=186.3$$

For Avg:

$$\frac{dpm}{100cm^2}=(\frac{1675-1525}{.303})(\frac{100}{434})=114.1$$

d) Total Alpha Activity At Survey Point:

Value from Table 3 = -11.3 dpm/100cm^2
Value from Appendix B = 45 counts

This measurement was made by integrating the counts from the Ludlum Floor Monitor for a period of one minute with the instrument held stationary at the survey point location. The equation used for the data conversion is:

$$\frac{dpm}{100cm^2}=(\frac{c/t-B/m}{E})(\frac{100}{A})$$

Where:

c = total integrated counts recorded by the instrument
t = time period (minutes) over which the count was recorded, (i.e. one minute)

The other terms are as previously defined with B/m = 55; E = 20.4% and A = 434 cm^2.

The actual calculation is:

$$\frac{dpm}{100cm^2}=(\frac{45/1-55}{0.204})(\frac{100}{434})=-11.3$$

e) Total Beta Activity At Survey Point:

Value from Table 3 = 174.1 dpm/100cm^2
Value from Appendix B = 1754 counts

This measurement was also made by integrating the counts from the Ludlum Floor Monitor for a period of one minute with the instrument held stationary at the survey point location. The equation used is identical to that described above for Total Alpha Activity with the following values for the Beta measurement:

t = 1 minute
B/m = 1525 cpm
E = 30.3%
A = 434 cm^2

The actual calculation is:

$$\frac{dpm}{100cm^2}=\left(\frac{1754/1-1525}{.303}\right)\left(\frac{100}{434}\right)=174.1$$

f) Removable Alpha Activity At Survey Point:

Value from Table 3 = -0.15 dpm/100cm^2
Value from Appendix B = -0.149 dpm/100 cm^2

The automatic counting system performs all calculations necessary to compute the results in the desired units. The complete data output given on the counting system report (fourth page copied from Appendix B) includes all the necessary information. The equation used for the data conversion is:

$$\frac{dpm}{100cm^2}=\left(\frac{c/t-B/m}{E}\right)\left(\frac{100}{A}\right)$$

where everything has the same meaning as before except that:

A = area in cm^2 that was wiped by the smear paper (ie 100 cm^2)

The other appropriate values are:

t = 0.34
E = 36.97%
B/m = 0.055263158
A = 100cm^2

The output sheet does not give the value of c directly, rather it gives the net value which is equivalent to:

(c/t - B/m) = -0.055 CPM (net)

The actual calculation is:

$$\frac{dpm}{100cm^2}=\left(\frac{-0.055}{0.3697}\right)\left(\frac{100}{100}\right)=-0.149$$

The result is rounded to -0.15 in Table 3.

g) Removable Beta Activity At Survey Point:

Value from Table 3 = 2.82 dpm/100 cm^2
Value from Appendix B = 2.82 dpm/100 cm^2

All of the same discussion and equations given above for Removable Alpha Activity apply here. The appropriate values are:

t	= 0.34
E	= 49.64%
B/m	= 1.401315789
A	= 100cm^2
(c/t - B/m)	= -1.40 CPM (net)

Thus the actual calculation is:

$$\frac{dpm}{100cm^2}=\left(\frac{-1.40}{0.4964}\right)\left(\frac{100}{100}\right)=-2.82$$

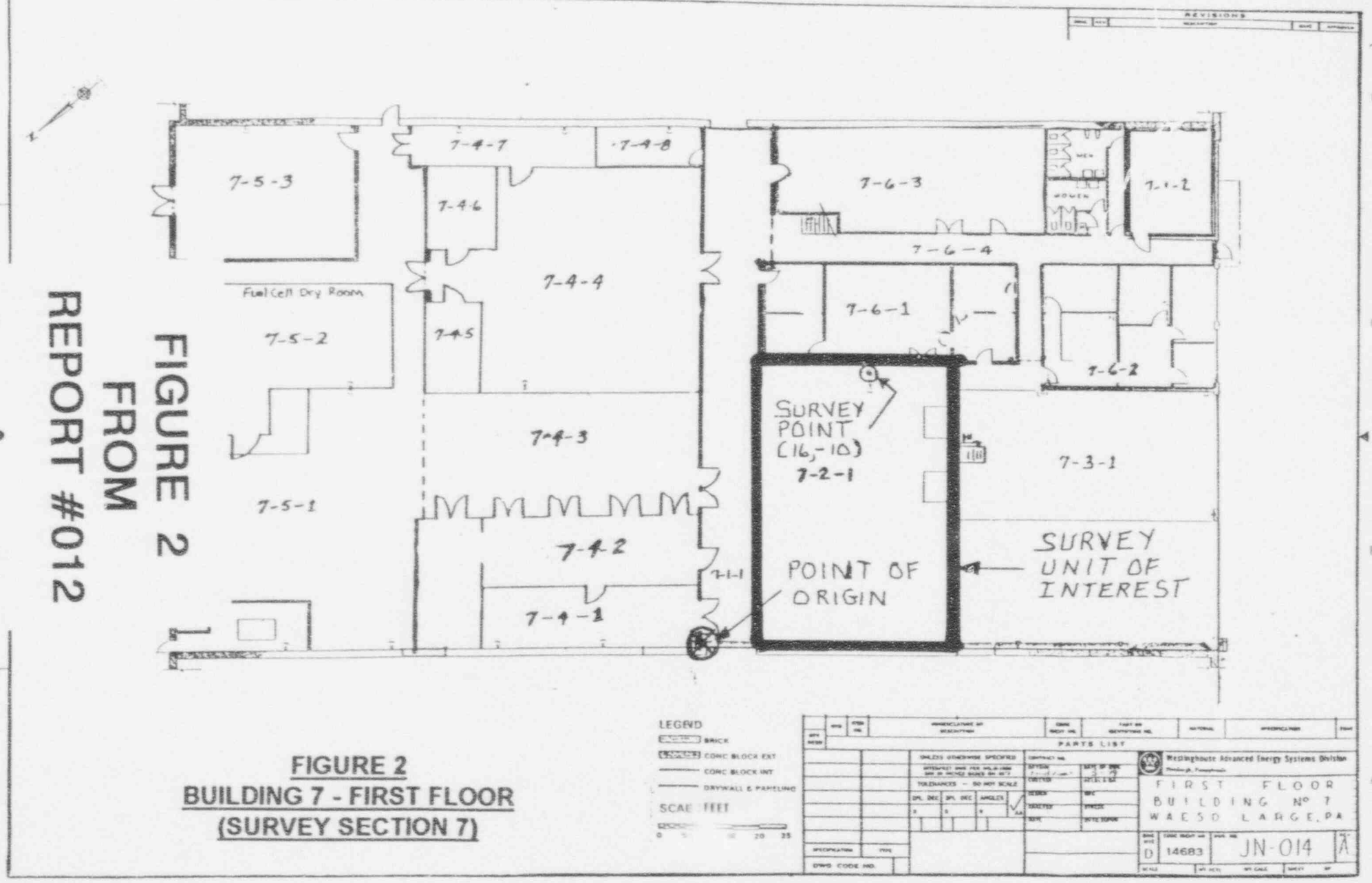


FIGURE 2
FROM
REPORT #012

FIGURE 2
BUILDING 7 - FIRST FLOOR
(SURVEY SECTION 7)

TABLE 1

SURVEY CLASSIFICATION FOR THE FIRST FLOOR OF BUILDING 7

SURVEY SECTION	UNIT	SUBUNIT	CLASSIFICATION
7	1	1	4
7	1	2	4
7	2	1	4
7	3	1	4
7	4	1	3
7	4	2	3
7	4	3	3
7	4	4	3
7	4	5	3
7	4	6	3
7	4	7	3
7	4	8	3
7	5	1	3
7	5	2	3
7	5	3	3
7	6	1	3
7	6	2	3

SURVEY UNIT OF INTEREST

TABLE 1 FROM REPORT #012

REPORT #012

TABLE 3

ANALYSIS OF SURVEY RESULTS AND COMPARISON AGAINST LIMITS FOR BUILDING 67 (SECTION 7, UNIT 2)

SURFACE DESCRIPTION	GRID	X,Y REF POINT	LOCATION CODE	GAMMA SURVEY @1 METER (microR/hr)	BETA/GAMMA SURVEY ON CONTACT (mR/hr)	SCAN RESULTS MAXIMUM BETA (dpm/100cm^2)	SCAN RESULTS AVERAGE BETA (dpm/100cm^2)	TOTAL FIXED ACTIVITY ALPHA (dpm/100cm^2)	TOTAL FIXED ACTIVITY BETA (dpm/100cm^2)	REMOVABLE ACTIVITY ALPHA (dpm/100cm^2)	REMOVABLE ACTIVITY BETA (dpm/100cm^2)
Ceiling Beam	14, -14	N/A	7-2-1			-6.4	-92.8	13.8	-39.2	-0.15	-2.82
"	12, -14	"	7-2-1			32.0	-92.8	0.0	-182.4	-0.15	3.10
"	10, -14	"	7-2-1			-92.8	-124.8	4.6	-150.4	-0.15	-2.82
"	8, -14	"	7-2-1			-38.4	-124.8	13.8	-105.6	-0.15	-2.82
"						-9.6	-92.8	13.8	-92.8	-0.15	3.10
"						-32.0	-124.8	4.6	-9.6	-0.15	-2.82
"						76.8	-124.8	4.6	-54.4	-0.15	-2.82
"						86.4	-60.8	4.6	-48.0	-0.15	-2.82
"						-12.8	-92.8	9.2	-163.2	-0.15	3.28
"						-44.8	-156.8	9.2	-121.6	-0.15	-2.82
"						-28.8	-188.8	4.6	-208.0	-0.15	-2.82
"						0.0	-124.8	0.0	-124.8	-0.15	9.39
"						-115.2	-188.8	4.6	-150.4	-0.15	-2.82
"						-46.8	-188.8	9.2	-233.6	-0.15	-2.82
"						-86.4	-156.8	4.6	-217.6	-0.15	-2.82
Ceiling						-28.8	-124.8	9.2	-204.8	-0.15	-2.82
"						38.4	-156.8	13.8	-172.8	-0.15	-2.82
"						-22.4	-124.8	0.0	-160.0	-0.15	-2.82
"						9.6	-92.8	4.6	-144.0	-0.15	-2.82
"						-28.8	-124.8	4.6	-136.8	7.81	-2.82
"						-60.8	-124.8	4.6	-86.4	-0.15	-2.82
"						99.2	-92.8	4.6	-92.8	8.05	-2.82
"						-134.4	-220.8	4.6	-96.0	-0.15	-2.82
"						-150.4	-252.8	9.2	-163.2	-0.15	-2.82
"						-9.6	-156.8	4.6	-121.6	-0.15	-2.82
"						-137.6	-188.8	4.6	-140.8	-0.15	-2.82
"						-134.4	-252.8	-56.5	-140.8	-0.15	-2.82
"						-134.4	-188.8	-56.5	-211.2	-0.15	3.22
"						-25.6	-124.8	-53.1	-176.0	-0.15	-2.82
"						-6.4	-124.8	-55.3	-134.4	-0.15	-2.82
Floor-Painted					0.010	89.0	-19.0	0.0	63.1	-0.15	-2.82
Concrete					0.010	140.7	114.1	-12.4	109.5	-0.15	3.28
[illegible]	[illegible]	[illegible]	7-2-1	9	0.010	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
"	"	16, -10	7-2-1	10	0.010	186.3	114.1	-11.3	174.1	-0.15	-2.82
[illegible]	[illegible]	[illegible]	[illegible]	10	[illegible]	201.5	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
"	"	16, -16	7-2-1	10	0.020					-0.15	3.10
"	"	14, -12	7-2-1	10	0.010					-0.15	-2.82
"	"	12, -12	7-2-1	10	0.010					-0.15	-2.82
"	"	12, -14	7-2-1	8	0.010					-0.15	-2.82
	"	12, -10	7-2-1	10	0.010					-0.15	-2.82
	"	14, -10	7-2-1	10	0.020					-0.15	3.28
	"	12, -8	7-2-1	10	0.010					-0.15	-2.82
	"	12, -6	7-2-1	10	0.010					-0.15	-2.82
	"	12, -6	7-2-1	10	0.010					-0.15	-2.82
	"	10, -4	7-2-1	11	0.010					-0.15	-2.82
	N/A	8, -4	7-2-1	10	[illegible]					-0.15	3.10
	"	6, -4	7-2-1	9	0.020					-0.15	3.10
	"	4, -4	7-2-1	10	0.020					-0.15	3.28
	"	2, -4	7-2-1	10	0.030					-0.15	3.10
	"	10, -6	7-2-1	9	0.030					-0.15	-2.82
	"	10, -12	7-2-1	10	0.020					-0.15	3.28
	"	8, -12	7-2-1	9	0.010					-0.15	-2.82
	"	8, -14	7-2-1	9	0.030					-0.15	-2.82
	"	6, -14	7-2-1	11	0.020					-0.15	-2.82
	"	4, -14	7-2-1	11	0.030	215.2	[illegible]	[illegible]		-0.15	-2.82

SURVEY UNIT ID

SURVEY POINT LOCATION

MEASUREMENT RESULTS FOR SURVEY POINT

TABLE 3 FROM REPORT #012 (Page 1)

TABLE 3

ANALYSIS OF SURVEY RESULTS AND COMPARISON AGAINST LIMITS FOR BUILDING 67 (SECTION 7, UNIT 2)

SURFACE DESCRIPTION	GRID	X,Y REF POINT	LOCATION CODE	GAMMA SURVEY @1 METER (microR/hr)	BETA/GAMMA SURVEY ON CONTACT (mR/hr)	SCAN RESULTS MAXIMUM BETA (dpm/100cm^2)	SCAN RESULTS AVERAGE BETA (dpm/100cm^2)	TOTAL FIXED ACTIVITY ALPHA (dpm/100cm^2)	TOTAL FIXED ACTIVITY BETA (dpm/100cm^2)	REMOVABLE ACTIVITY ALPHA (dpm/100cm^2)	REMOVABLE ACTIVITY BETA (dpm/100cm^2)
"	"	3, -14	7-2-1	11	0.020	155.9	114.1	-6.8	202.3	-0.15	9.03
"	"	2, -12	7-2-1	10	0.010	85.2	57.0	4.5	12.2	-0.15	-2.82
"	"	3, -10	7-2-1	10	0.010	6.8	-19.0	4.5	16.7	8.05	-2.82
"	"	2, -8	7-2-1	11	0.020	156.4	133.1	-6.5	229.6	-0.15	-2.82
"	"	4, -8	7-2-1	11	0.010	206.1	190.1	-9.0	160.4	-0.15	3.10

STASTICAL ANALYSIS

NUMBER OF SAMPLES	30	30	60	60	60	60	60	60
MINIMUM	8.00	0.010	-150.4	-1037.9	-56.5	-233.6	-0.15	-2.82
MAXIMUM	11.00	0.030	262.3	201.5	13.8	292.7	8.05	9.39
AVERAGE	10.00	0.015	55.0	-42.6	-3.3	-6.5	0.26	-1.12
STANDARD DEVIATION	0.73	0.007	113.8	185.8	15.6	153.2	1.67	3.12
LIMIT	15	0.200	15,000	5,000	5,000	5,000	1,000	1,000
FACTOR FOR COMPARISON OF SURVEY DATA 95% CONFIDENCE:	1.699	1.699	1.671	1.671	1.671	1.671	1.671	1.671
DATA TEST PARAMETER	10.23	0.02	79.54	-2.48	0.11	28.50	0.62	-0.45
"NUMBER OF SAMPLES" FACTOR	6.85	25.72	131.36	27.13	320.33	32.69	598.85	320.94
DOES DATA SATISFY LIMIT CRITERIA?	YES	YES	YES	YES	YES	YES	YES	YES
WERE AN ADEQUATE NUMBER OF SAMPLES TAKEN?	YES	YES	YES	YES	YES	YES	YES	YES

TABLE FROM REPORT #012 (Page 2)

DECOMMISSIONING FIELD DATA SHEET

SURVEY INSTRUMENT INFORMATION

(*)IF USED	ALPHA SURVEY EQUIPMENT INST: S/N	EFF	C.F.	BKG CPM
	ESP2:1517	21.1%	4.74	
	ESP2:1517-L	21.7%	4.60	
	ESP2:			
	ESP2:			
	ESP2:			
	ASP1: 1891	19.1%	5.23	
	PAC4G:4478	18.5%	5.4	
*	FLMON:91943	20.4%	4.9	55

(*)IF USED	BETA SURVEY EQUIPMENT INST: S/N	EFF	C.F.	BKG CPM
	PAC4G:4478	33.5%	3.0	
*	FLMON:91943	30.3%	3.3	1525

SURVEY DATE: 1/13/92

COUNT DATE: 1/14/93

(*)IF USED	GAMMA OR BETA/GAMMA EQUIP INST: S/N	BKG
	R/S: L-2088	uR/hr
*	PRM7: 234	10 uR/hr
	E520: 5242	mr/hr
	E520: 5245	mr/hr
*	ESP2: 1522	.01 mr/hr

(*)IF USED	COUNTING EQUIPMENT (ALPHA) INST: S/N	EFF	C.F.	BKG
*	TENN: 13295	36.9%	2.7	.055
	SAC4: 1128	40.6%	2.46	
	SAC4: 263	34.3%	2.91	

	COUNTING EQUIPMENT (BETA) INST: S/N	EFF	C.F.	BKG
*	TENN: 13295	49.6%	2.01	1.40
	MS-2: 1848	25.0%	4.0	
	BC-4: 808	17.9%	5.57	

SURVEY DATA

SURFACE DESCRIPTION	GRID	X,Y REF POINT	GAMMA @ 1 M. uR/hr	BETA/GAMMA CONT.mr/hr	SCAN CONTACT GROSS CPM MAX BETA	SCAN CONTACT GROSS CPM AVG BETA	CONTACT GROSS 1 MIN.CT. ALPHA	CONTACT GROSS 1 MIN.CT. BETA	SMEAR LEVELS IN DPM/100cm2 ALPHA	SMEAR LEVELS IN DPM/100cm2 BETA	COMMENTS
Floor-Painted	N/A	16, -4	10	.01	1642	1500	55	1608	-0.149	-2.82	Floor Monitor used
Concrete	"	16, -6	11	.01	1710	1675	44	1669	-0.149	3.28	for scans and one
"	"	16, -8	9	.01	1870	1725	52	1910	-0.149	-2.82	minute counts.
"	"	16, -10	10	.01	1770	1675	45	1754	-0.149	-2.82	
		6, -12	10	.01				1798	-0.149	-2.82	
		6, -14	10	.02				1816	-0.149	3.10	
		4, -12	10	.01				1615	-0.149	-2.82	
		2, -12	10	.01				1665	-0.149	-2.82	
		2, -14	8	.01				1324	-0.149	-2.82	
		2, -10	10	.01	1657	1575	53	1660	-0.149	-2.82	
		4, -10	10	.02	1663	1640	54	1594	-0.149	3.28	
		2, -8	10	.01	1548	1500	49	1680	-0.149	-2.82	
		2, -6	10	.01	1678	1650	48	1631	-0.149	-2.82	
		2, -6	10	.01	1770	1625	55	1672	-0.149	-2.82	
		0, -4	11	.01	1776	1750	50	1755	-0.149	-2.82	

SURVEY DATA SHEETS FROM APPENDIX B, REPORT #012 (First Sheet)

(Survey Section - Sequential survey #)

LOCATION # 7-2-1
(Survey Section - Unit # - Sub Unit #)

SURVEY CLASSIFICATION: IV
(Group I, II, III, IV)

DISK FILE CODE: FDS-0161

SURVEYOR SIGNATURE: TS

W. Shaffer

SURVEY DATA SHEETS FROM APPENDIX B, REPORT #012 (Second Sheet)

(*)IF USED	ALPHA SURVEY EQUIPMENT INST: S/N	EFF	C.F.	BKG CPM
	ESP2:1517	21.1%	4.74	
	ESP2:1517-L	21.7%	4.60	
	ESP2:			
	ESP2:			
	ESP2:			
	ASP1: 1891	19.1%	5.23	
	PAC4G:4478	18.5%	5.4	
*	FLMON:91943	20.4%	4.9	55

(*)IF USED	BETA SURVEY EQUIPMENT INST: S/N	EFF	C.F.	BKG CPM
	ESP2:1595	34.2%	2.92	
	ESP2:1595-L	31.3%	3.20	
	ESP2:			
	ESP2:			
	E520: 5242	20.3%	4.92	
	E520: 5245			
	PAC4G:4478	33.5%	3.0	
*	FLMON:91943	30.3%	3.3	1525

SURVEY DATE: 1/13/92

COUNT DATE: 1/* '92

(*)IF USED	GAMMA OR B/A/GAMMA EQUIP INST: S/N	BKG
	R/S: L-2088	uR/hr
*	PRM7: 234	11 uR/hr
	E520: 5242	mr/hr
	E520: 5245	mr/hr
*	ESP2: 1522	.01 mr/hr

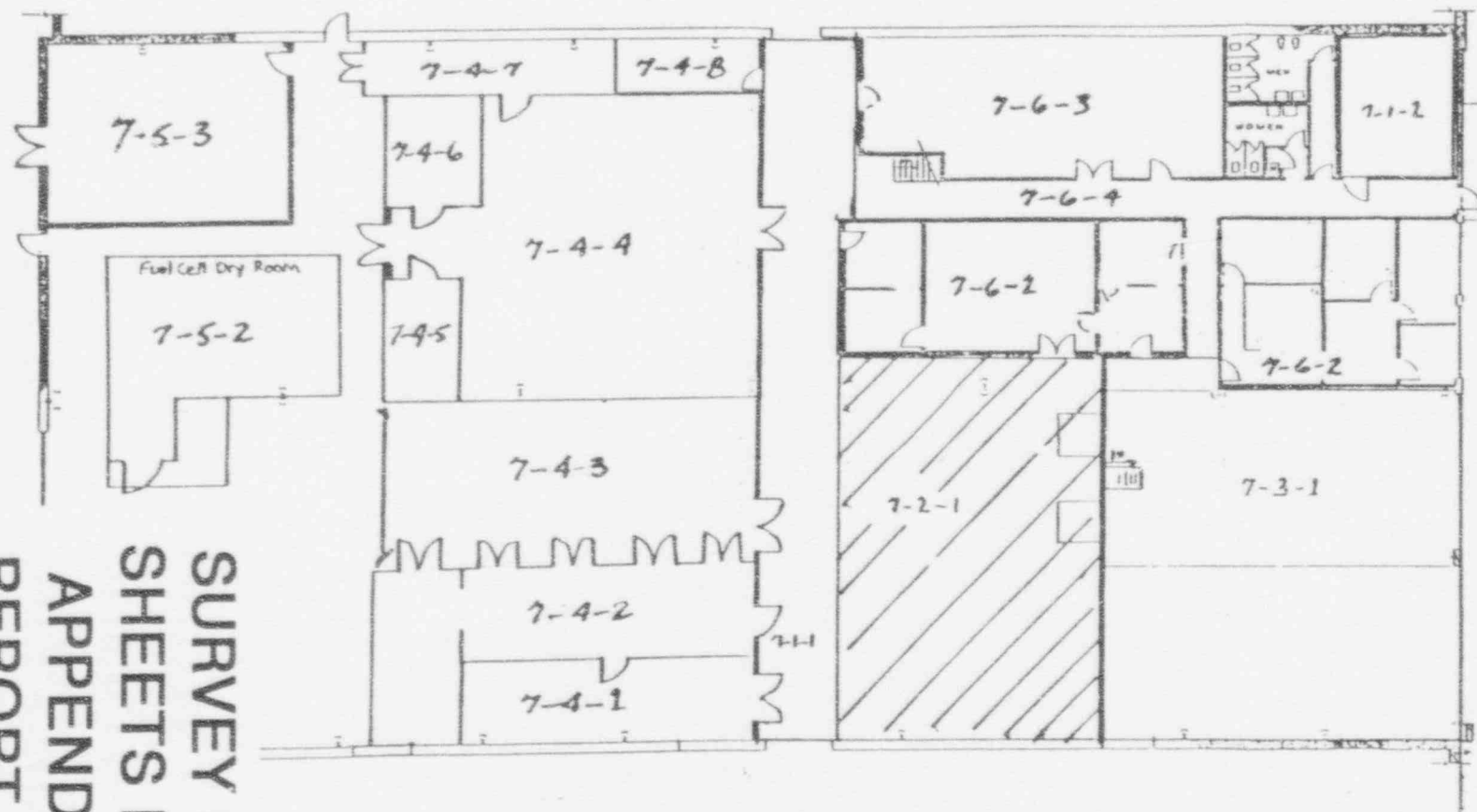
(*)IF USED	COUNTING EQUIPMENT (ALPHA) INST: S/N	EFF	C.F.	BKG
*	TENN: 13295	36.9%	2.7	.055
	SAC4: 1128	40.6%	2.46	
	SAC4: 263	34.3%	2.91	

	COUNTING EQUIPMENT (BETA) INST: S/N	EFF	C.F.	BKG
*	TENN: 13295	49.6%	2.01	1.40
	MS-2: 1848	25.0%	4.0	
	BC-4: 808	17.9%	5.57	

SURFACE DESCRIPTION	GRID	X,Y REF POINT	GAMMA @ 1 M. uR/hr	BETA/GAMMA CONT.mr/hr	SCAN CONTACT GROSS CPM MAX BETA	SCAN CONTACT GROSS CPM AVG BETA	CONTACT GROSS 1 MIN.CT. ALPHA	CONTACT GROSS 1 MIN.CT. BETA	SMEAR LEVELS IN DPM/100cm2 ALPHA	SMEAR LEVELS IN DPM/100cm2 BETA	COMMENTS
Floor, Painted	N/A	8, -4	10	.01	1799	1750	55	1794	-0.149	3.10	
Concrete	"	6, -4	9	.02	1836	1790	57	1795	-0.149	3.10	
"	"	4, -4	10	.02	1848	1775	51	1773	-0.149	3.28	
"	"	2, -4	10	.03	1760	1600	61	1757	-0.149	3.10	
"	"	10, -6	9	.03	1747	1650	45	1700	-0.149	-2.82	
"	"	10, -12	10	.02	1809	1750	46	1734	-0.149	3.28	
"	"	8, -12	9	.01	1686	1640	56	1715	-0.149	-2.82	
		-14	9	.03	1473	1400	49	1366	-0.149	-2.82	
		-14	11	.02	1756	1700	52	1734	-0.149	-2.82	
		-14	11	.03	1808	1750	41	1780	-0.149	-2.82	
		-14	11	.02	1730	1675	49	1791	-0.149	9.03	
		-12	10	.01	1637	1600	59	1509	-0.149	-2.82	
		-10	10	.01	1534	1500	59	1547	8.048	-2.82	
		-8	11	.02	1728	1700	51	1827	-0.149	-2.82	
		-8	11	.01	1796	1775	47	1736	-0.149	3.10	

LOCATION # 7-2-1 (Survey Section - Unit # - Sub Unit #)	SURVEY CLASSIFICATION: IV (Group I, II, III, IV)	DISK FILE CODE: FDS-0162	SURVEYOR SIGNATURE: TS

SURVEY DATA SHEETS FROM APPENDIX B, REPORT #012 (Third Sheet)



LEGEND

BRICK

CONC BLOCK EXT

CONC BLOCK INT

DRYWALL & PANELING

SCAE : FEET

0 5 10 15 20 25

REVISIONS

PARTS LIST

Westinghouse Advanced Energy Systems Division

FIRST FLOOR
BUILDING N° 7
WAESD LARGE, PA

D 14683 JN-014 A

LB5100W Low Background Counting System – Smear Analysis

Date: 1/14/93
Counting Unit Id: 1
Data file name: C:\LB5100\UNIT1\070201.XLD
Batch Ended: 1/14/93 14:40
Crosstalk Correction: Not Applied

Alpha activity action level (DPM): 10.00
Beta activity action level (DPM): 200.00
Certainty level for MDA and flags: 95.00%
High Voltage Setting: 1450

Application Revision: 2
Application Version: Standard

Alpha efficiency log file: po210ab
Alpha Efficiency: 36.97%
Alpha to Beta Crosstalk: 5.12%
Alpha Background (CPM): 0.055263158

Beta efficiency log file: cs137ab
Beta Efficiency: 49.64%
Beta into Alpha Crosstalk: 0.41%
Beta Background (CPM): 1.401315789

Batch ID: TSB - 7-2-1 walls and floor

	Alpha Activity				Beta Activity				Count	Alpha	Beta	Completion
Carrier	DPM	σ	flags	MDA	DPM	σ	flags	MDA	time (min)	CPM	CPM	TOD
42	-0.149	1.35	<MDA	27.24	-2.82	4.13	<MDA	35.16	0.34	-0.055	-1.40	1/14/93 14:23
43	-0.149	1.37	<MDA	27.98	3.28	7.41	<MDA	35.93	0.33	0.055	1.63	1/14/93 14:23
45	-0.149	1.35	<MDA	27.24	-2.82	4.13	<MDA	35.16	0.34	-0.055	-1.40	1/14/93 14:24
47	-0.149	1.35	<MDA	27.2					.34	-0.055	1.54	1/14/93 14:25
48	-0.149	1.37	<MDA	27.9					.33	-0.055	-1.40	1/14/93 14:26
49	-0.149	1.37	<MDA	27.9					.33	-0.055	-1.40	1/14/93 14:26
50	-0.149	1.35	<MDA	27.2					.34	-0.055	-1.40	1/14/93 14:27
1	-0.149	1.37	<MDA	27.9					.33	-0.055	-1.40	1/14/93 14:27
2	-0.149	1.37	<MDA	27.9					.33	-0.055	1.63	1/14/93 14:28
		1.37	<MDA	27.9					.33	-0.055	-1.40	1/14/93 14:28
		1.37	<MDA	27.9					.33	-0.055	-1.40	1/14/93 14:29
		1.35	<MDA	27.24	-2.82	4.13	<MDA	35.16	0.34	-0.055	-1.40	1/14/93 14:29
		1.35	<MDA	27.24	-2.82	4.13	<MDA	35.16	0.34	-0.055	-1.40	1/14/93 14:30
		1.35	<MDA	27.24	3.10	7.22	<MDA	35.16	0.34	-0.055	1.54	1/14/93 14:30
		1.35	<MDA	27.24	3.10	7.22	<MDA	35.16	0.34	-0.055	1.54	1/14/93 14:31
		1.37	<MDA	27.98	3.28	7.41	<MDA	35.93	0.33	0.055	1.63	1/14/93 14:31
		1.35	<MDA	27.24	3.10	7.22	<MDA	35.16	0.34	-0.055	1.54	1/14/93 14:32
		1.35	<MDA	27.24	2.82	4.13	<MDA	35.16	0.34	-0.055	-1.40	1/14/93 14:32
		1.37	<MDA	27.98	3.28	7.41	<MDA	35.93	0.33	-0.055	1.63	1/14/93 14:33
		1.35	<MDA	27.24	2.82	4.13	<MDA	35.16	0.34	-0.055	-1.40	1/14/93 14:33
		1.37	<MDA	27.98	2.82	4.19	<MDA	35.93	0.33	-0.055	-1.40	1/14/93 14:34
		1.37	<MDA	27.98	2.82	4.19	<MDA	35.93	0.33	-0.055	1.40	1/14/93 14:34
		1.35	<MDA	27.24	-2.82	4.13	<MDA	35.16	0.34	-0.055	-1.40	1/14/93 14:35

RESULTS FOR SMEAR SAMPLE

SURVEY DATA SHEETS FROM APPENDIX B, REPORT #012 (Fourth Sheet)

LB5100W Low Background Counting System -- Smear Analysis

Date: 1/14/93
Counting Unit Id: 1
Data file name: C:\LB5100\UNIT1\070201.XLD
Batch Ended: 1/14/93 14:40
Crosstalk Correction: Not Applied

Alpha activity action level (DPM): 10.00
Beta activity action level (DPM): 200.00
Certainty level for MDA and flags: 95.00%
High Voltage Setting: 1450

Application Revision: 2
Application Version: Standard

Alpha efficiency log file: po210ab
Alpha Efficiency: 36.97%
Alpha to Beta Crosstalk: 5.12%
Alpha Background (CPM): 0.055263158

Beta efficiency log file: cs137ab
Beta Efficiency: 49.64%
Beta into Alpha Crosstalk: 0.41%
Beta Background (CPM): 1.401315789

Batch ID: TSB - 7-2-1 walls and floor

Carrier	Alpha Activity				Beta Activity				Count	Alpha	Beta	Completion
	DPM	σ	flags	MDA	DPM	σ	flags	MDA	time (min)	CPM	CPM	TOD
17	-0.149	1.35	<MDA	27.24	9.03	9.34	<MDA	35.16	0.34	-0.055	4.48	1/14/93 14:35
18	-0.149	1.37	<MDA	27.98	-2.82	4.19	<MDA	35.93	0.33	-0.055	-1.40	1/14/93 14:36
19	8.048	8.31	At AL	27.98	-2.82	4.19	<MDA	35.93	0.33	2.975	-1.40	1/14/93 14:37
20	-0.149	1.37	<MDA	27.98	-2.82	4.19	<MDA	35.93	0.33	-0.055	-1.40	1/14/93 14:37
21	-0.149	1.35	<MDA	27.24	3.10	7.22	<MDA	35.16	0.34	-0.055	1.54	1/14/93 14:38
22	-0.149	1.37	<MDA	27.98	-2.82	4.19	<MDA	35.93	0.33	-0.055	-1.40	1/14/93 14:38
23	-0.149	1.35	<MDA	27.24	-2.82	4.13	<MDA	35.16	0.34	-0.055	-1.40	1/14/93 14:39
24	-0.149	1.35	<MDA	27.24	-2.82	4.13	<MDA	35.16	0.34	-0.055	-1.40	1/14/93 14:39
25	-0.149	1.37	<MDA	27.98	-2.82	4.19	<MDA	35.93	0.33	-0.055	-1.40	1/14/93 14:40
26	-0.149	1.35	<MDA	27.24	-2.82	4.13	<MDA	35.16	0.34	-0.055	-1.40	1/14/93 14:40

SURVEY POINT NOT NEEDED

SURVEY DATA SHEETS FROM APPENDIX B, REPORT #012 (Fifth Sheet)

APPENDIX B

NOTES ON THE CALCULATION OF STANDARD DEVIATION

APPENDIX B

NOTES ON THE CALCULATION OF STANDARD DEVIATION

Each of the Final Radiological Reports presents a statistical summary of the Survey Data in which the Minimum Value, Maximum Value, Average Value and Standard Deviation is calculated for each type of measurement for each unit of a survey section. Report #009 (Appendix D, Page 8.9, equation #8-12) states that the standard deviation will be calculated using the "n-1" method to calculate an unbiased standard deviation for a sample. All the calculations presented in the reports use @STD Macro in the Lotus 1-2-3 computer program to calculate the standard deviation. A review of the Lotus documentation indicates that the @STD Macro uses the "n" method to calculate the standard deviation. Thus each value of the standard deviation reported in the reports for this project are low by the ratio.

$$\sqrt{\left(\frac{n}{n-1}\right)}$$

Table B1 presents the calculation of both definitions of standard deviation along with the percent difference between the two methods of calculations for all of the results presented in Table 19 of this report. The average difference is 1.24% for the 681 values presented in the table. The largest difference is 15.42% with only two values greater than 10% and only seventeen values greater than 5%.

Thus while there is a difference in the basis for using each of these definitions for the calculation of the standard deviation, the numerical difference is not significant for the results presented in the reports issued for this project. Therefore, no further correction will be made.

TABLE B1
COMPARISON OF STANDARD DEVIATION CALCULATIONS

LOCATION CODE	LOCATION DESCRIPTION	NUMBER OF SURVEY POINTS	AVERAGE VALUE	STANDARD DEVIATION ("n" method)	STANDARD DEVIATION ("n-1" method)	PERCENT DIFFERENCE	UNITS FOR ALL VALUES	REPORT NUMBER
** SURVEY TYPE = GAMMA DOSERATE AT 1 METER FROM SURFACE								
01 -01	BUILDING 5, FIRST FLOOR	41	10.900	1.920	1.944	1.25	MicroR/hour	034
01 -03	BUILDING 5, FIRST FLOOR	38	10.870	2.370	2.402	1.35	MicroR/hour	034
01 -04	BUILDING 5, FIRST FLOOR	23	12.870	1.700	1.738	2.24	MicroR/hour	034
01 -06	BUILDING 5, FIRST FLOOR	35	11.540	1.200	1.218	1.50	MicroR/hour	034
01 -07	BUILDING 5, FIRST FLOOR	30	15.000	0.000	0.000	0.00	MicroR/hour	034
01 -08	BUILDING 5, FIRST FLOOR	30	12.770	1.020	1.037	1.67	MicroR/hour	034
01 -09	BUILDING 5, FIRST FLOOR	33	9.090	0.900	0.914	1.56	MicroR/hour	034
01 -10	BUILDING 5, FIRST FLOOR	37	12.950	2.920	2.960	1.37	MicroR/hour	034
01 -13	BUILDING 5, FIRST FLOOR	27	10.410	1.620	1.651	1.91	MicroR/hour	034
02 -01	BUILDING 5, SECOND FLOOR	20	10.050	1.600	1.642	2.62	MicroR/hour	023
02 -02	BUILDING 5, SECOND FLOOR	34	11.000	2.440	2.477	1.52	MicroR/hour	023
02 -03	BUILDING 5, SECOND FLOOR	13	10.770	1.580	1.645	4.11	MicroR/hour	023
02 -04	BUILDING 5, SECOND FLOOR	30	13.500	1.180	1.200	1.69	MicroR/hour	023
03 -01	BUILDING 5, THIRD FLOOR	34	12.350	1.160	1.177	1.47	MicroR/hour	024
04 -01	BUILDING 6, FIRST FLOOR	20	8.450	1.070	1.098	2.62	MicroR/hour	017
04 -02	BUILDING 6, FIRST FLOOR	30	8.030	0.180	0.183	1.67	MicroR/hour	017
04 -03	BUILDING 6, FIRST FLOOR	28	11.390	2.600	2.648	1.85	MicroR/hour	017
04 -04	BUILDING 6, FIRST FLOOR	22	12.770	5.200	5.322	2.35	MicroR/hour	017
04 -05	BUILDING 6, FIRST FLOOR	23	10.220	0.930	0.951	2.26	MicroR/hour	017
05 -01	BUILDING 6, SECOND FLOOR	26	12.650	2.570	2.621	1.98	MicroR/hour	019
05 -02	BUILDING 6, SECOND FLOOR	10	7.700	0.460	0.485	5.43	MicroR/hour	019
06 -01	BUILDING 6A	39	9.130	1.090	1.104	1.28	MicroR/hour	014
06 -02	BUILDING 6A	28	7.730	1.400	1.426	1.86	MicroR/hour	014
06 -03	BUILDING 6A	22	8.640	0.930	0.952	2.37	MicroR/hour	014
07 -01	BUILDING 7, FIRST FLOOR	22	10.410	1.230	1.259	2.36	MicroR/hour	012
07 -02	BUILDING 7, FIRST FLOOR	30	10.000	0.730	0.742	1.64	MicroR/hour	012
07 -03	BUILDING 7, FIRST FLOOR	30	9.700	0.740	0.753	1.76	MicroR/hour	012
07 -04	BUILDING 7, FIRST FLOOR	24	10.210	1.760	1.798	2.16	MicroR/hour	012
07 -05	BUILDING 7, FIRST FLOOR	29	9.240	0.860	0.875	1.74	MicroR/hour	012
07 -06	BUILDING 7, FIRST FLOOR	6	13.830	1.460	1.599	9.52	MicroR/hour	012

TABLE B1
COMPARISON OF STANDARD DEVIATION CALCULATIONS

LOCATION CODE	LOCATION DESCRIPTION	NUMBER OF SURVEY POINTS	AVERAGE VALUE	STANDARD DEVIATION ("n" method)	STANDARD DEVIATION ("n-1" method)	PERCENT DIFFERENCE	UNITS FOR ALL VALUES	REPORT NUMBER
08 -01	BUILDING 8A, FIRST FLOOR	43	9.880	1.510	1.528	1.19	MicroR/hour	035
08 -02	BUILDING 8A, FIRST FLOOR	25	9.520	1.100	1.123	2.09	MicroR/hour	035
08 -03	BUILDING 8A, FIRST FLOOR	28	12.960	2.610	2.658	1.84	MicroR/hour	035
08 -04	BUILDING 8A, FIRST FLOOR	19	9.110	0.850	0.873	2.71	MicroR/hour	035
08 -05	BUILDING 8A, FIRST FLOOR	40	10.850	1.490	1.509	1.28	MicroR/hour	035
08 -06	BUILDING 8A, FIRST FLOOR, SPECIAL GRIDS	83	13.640	1.370	1.378	0.58	MicroR/hour	035
09 -01	BUILDING 9, PIT	60	7.650	0.420	0.424	0.95	MicroR/hour	016
10 -01	BUILDING 9, FIRST FLOOR, EXT. STORAGE	14	11.860	2.360	2.449	3.77	MicroR/hour	020
10 -02	BUILDING 9, FIRST FLOOR	17	10.590	0.910	0.938	3.08	MicroR/hour	020
10 -03	BUILDING 9, FIRST FLOOR	22	12.860	0.340	0.348	2.35	MicroR/hour	020
10 -04	BUILDING 9, FIRST FLOOR	29	10.450	0.810	0.824	1.73	MicroR/hour	020
10 -05	BUILDING 9, FIRST FLOOR	18	10.330	0.940	0.967	2.87	MicroR/hour	020
10 -06	BUILDING 9, FIRST FLOOR	26	10.310	1.380	1.407	1.96	MicroR/hour	020
10 -08	BUILDING 9, FIRST FLOOR	14	9.500	0.630	0.654	3.81	MicroR/hour	020
10 -09	BUILDING 9, FIRST FLOOR	20	10.450	0.740	0.759	2.57	MicroR/hour	020
10 -10	BUILDING 9, FIRST FLOOR	18	11.110	1.200	1.235	2.92	MicroR/hour	020
10 -11	BUILDING 9, FIRST FLOOR	21	11.050	1.000	1.025	2.50	MicroR/hour	020
10 -12	BUILDING 9, FIRST FLOOR	21	7.710	0.930	0.953	2.47	MicroR/hour	020
10 -14-1	BUILDING 9 PIPE CHASES - GROUP 1	248	10.620	1.860	1.864	0.22	MicroR/hour	010
10 -14-2	BUILDING 9 PIPE CHASES - GROUP 2	177	10.380	1.580	1.584	0.25	MicroR/hour	010
10 -14-3	BUILDING 9 PIPE CHASES - GROUP 3	92	10.400	1.100	1.106	0.55	MicroR/hour	010
10 -14-4	BUILDING 9 PIPE CHASES - ASSOCIATED PITS	22	10.910	0.790	0.809	2.41	MicroR/hour	010
11 -01	HYDROGEN FACILITY	41	9.440	1.640	1.660	1.22	MicroR/hour	033
14 -01	BUILDING 4, BASEMENT	29	11.170	1.700	1.730	1.76	MicroR/hour	015
14 -02	BUILDING 4, BASEMENT	8	12.130	0.330	0.353	6.97	MicroR/hour	01[illegible]
15 -01	BUILDING 4, THIRD FLOOR	16	13.130	1.320	1.363	3.26	MicroR/hour	029
16 -01	BUILDING 12, FIRST FLOOR	30	9.670	1.400	1.424	1.71	MicroR/hour	027
27 -01	MONITORED DRAIN LINE PIT BEHIND BLDG. 5	4	8.530	0.150	0.173	15.33	MicroR/hour	008
28A-01	BUILDING 4, FIRST FLOOR	19	13.370	1.810	1.860	2.76	MicroR/hour	025
28A-02	BUILDING 4, SECOND FLOOR	32	10.940	2.450	2.489	1.59	MicroR/hour	025
28B-01	BUILDING 5, FOURTH FLOOR	30	11.230	1.690	1.719	1.72	MicroR/hour	030

TABLE B1
COMPARISON OF STANDARD DEVIATION CALCULATIONS

LOCATION CODE	LOCATION DESCRIPTION	NUMBER OF SURVEY POINTS	AVERAGE VALUE	STANDARD DEVIATION ("n" method)	STANDARD DEVIATION ("n-1" method)	PERCENT DIFFERENCE	UNITS FOR ALL VALUES	REPORT NUMBER
28C-01	BUILDING 8A	30	8.170	1.460	1.485	1.71	MicroR/hour	026
28D-01	BUILDING 8, SECOND FLOOR	27	9.110	1.100	1.121	1.91	MicroR/hour	013
28E-01	BUILDING 8	30	10.830	0.930	0.946	1.72	MicroR/hour	011
28F-01	BUILDING 8A, SECOND FLOOR	7	15.570	3.020	3.262	8.01	MicroR/hour	032
28G-01	BUILDING 9, SECOND FLOOR	36	8.080	2.090	2.120	1.44	MicroR/hour	022
28H-01	BUILDING 10, FIRST FLOOR	17	13.410	3.410	3.515	3.08	MicroR/hour	021
28H-02	BUILDING 10, SECOND FLOOR	32	8.840	1.300	1.321	1.62	MicroR/hour	021
28I-01	BUILDING 11, FIRST FLOOR	36	11.220	1.420	1.440	1.41	MicroR/hour	018
28I-02	BUILDING 11, SECOND FLOOR	15	13.600	0.800	0.828	3.50	MicroR/hour	018
28J-01	FIREHALL	10	9.400	0.800	0.843	5.37	MicroR/hour	031
28K-01	INCINERATOR BUILDING	18	16.720	3.520	3.622	2.90	MicroR/hour	005
28K-02	INCINERATOR BLDG. - INSIDE INCINERATOR	11	53.550	12.600	13.215	4.88	MicroR/hour	005
28K-03	INCINERATOR BUILDING - INSIDE CHIMNEY	12	27.830	4.280	4.470	4.44	MicroR/hour	005
28L-01	BUILDING 12, SECOND FLOOR	25	8.400	0.630	0.643	2.06	MicroR/hour	028
29 -01	ROOF SURFACE FOR BLDG 5	51	12.350	2.710	2.737	1.00	MicroR/hour	038
29 -02	ROOF SURFACE FOR BLDGS 6,7&8	31	9.520	1.210	1.230	1.65	MicroR/hour	038
29 -03	ROOF SURFACE FOR BLDG 8A	45	9.360	1.540	1.557	1.10	MicroR/hour	038
29 -04	ROOF SURFACE FOR BLDG 9	34	9.150	1.110	1.127	1.53	MicroR/hour	038
29 -05	ROOF SURFACE FOR HYDROGEN FACILITY	30	10.530	0.960	0.976	1.67	MicroR/hour	038
29 -06	ROOF SURFACE FOR BLDGS 4,10,11,&FIREHALL	37	10.680	2.170	2.200	1.38	MicroR/hour	038
29 -09	ROOF VENTS FOR BLDGS 9 & HYDROGEN FAC.	4	7.250	0.830	0.958	15.42	MicroR/hour	038
** Subtotal **		2618						
** SURVEY TYPE = BETA/GAMMA DOSERATE ON CONTACT WITH SURFACE								
01 -01	BUILDING 5, FIRST FLOOR	41	0.012	0.003	0.003	0.00	MilliRem/hour	034
01 -03	BUILDING 5, FIRST FLOOR	38	0.011	0.003	0.003	0.00	MilliRem/hour	034
01 -04	BUILDING 5, FIRST FLOOR	23	0.015	0.004	0.004	0.00	MilliRem/hour	034
01 -06	BUILDING 5, FIRST FLOOR	35	0.013	0.005	0.005	0.00	MilliRem/hour	034
01 -07	BUILDING 5, FIRST FLOOR	30	0.016	0.006	0.006	0.00	MilliRem/hour	034
01 -08	BUILDING 5, FIRST FLOOR	30	0.012	0.004	0.004	0.00	MilliRem/hour	034

TABLE B1
COMPARISON OF STANDARD DEVIATION CALCULATIONS

LOCATION CODE	LOCATION DESCRIPTION	NUMBER OF SURVEY POINTS	AVERAGE VALUE	STANDARD DEVIATION ("n" method)	STANDARD DEVIATION ("n-1" method)	PERCENT DIFFERENCE	UNITS FOR ALL VALUES	REPORT NUMBER
01 -09	BUILDING 5, FIRST FLOOR	33	0.010	0.002	0.002	0.00	MilliRem/hour	034
01 -10	BUILDING 5, FIRST FLOOR	37	0.010	0.000	0.000	0.00	MilliRem/hour	034
01 -13	BUILDING 5, FIRST FLOOR	27	0.012	0.004	0.004	0.00	MilliRem/hour	034
02 -01	BUILDING 5, SECOND FLOOR	20	0.011	0.003	0.003	0.00	MilliRem/hour	023
02 -02	BUILDING 5, SECOND FLOOR	34	0.014	0.005	0.005	0.00	MilliRem/hour	023
02 -03	BUILDING 5, SECOND FLOOR	13	0.015	0.004	0.004	0.00	MilliRem/hour	023
02 -04	BUILDING 5, SECOND FLOOR	30	0.013	0.005	0.005	0.00	MilliRem/hour	023
03 -01	BUILDING 5, THIRD FLOOR	34	0.012	0.004	0.004	0.00	MilliRem/hour	024
04 -01	BUILDING 6, FIRST FLOOR	20	0.011	0.003	0.003	0.00	MilliRem/hour	017
04 -02	BUILDING 6, FIRST FLOOR	30	0.010	0.000	0.000	0.00	MilliRem/hour	017
04 -03	BUILDING 6, FIRST FLOOR	28	0.013	0.005	0.005	0.00	MilliRem/hour	017
04 -04	BUILDING 6, FIRST FLOOR	22	0.013	0.005	0.005	0.00	MilliRem/hour	017
04 -05	BUILDING 6, FIRST FLOOR	23	0.013	0.004	0.004	0.00	MilliRem/hour	017
05 -01	BUILDING 6, SECOND FLOOR	26	0.013	0.004	0.004	0.00	MilliRem/hour	019
05 -02	BUILDING 6, SECOND FLOOR	10	0.012	0.004	0.004	0.00	MilliRem/hour	019
06 -01	BUILDING 6A	39	0.011	0.004	0.004	0.00	MilliRem/hour	014
06 -02	BUILDING 6A	35	0.013	0.004	0.004	0.00	MilliRem/hour	014
06 -03	BUILDING 6A	22	0.010	0.000	0.000	0.00	MilliRem/hour	014
07 -01	BUILDING 7, FIRST FLOOR	22	0.013	0.004	0.004	0.00	MilliRem/hour	012
07 -02	BUILDING 7, FIRST FLOOR	30	0.015	0.007	0.007	0.00	MilliRem/hour	012
07 -03	BUILDING 7, FIRST FLOOR	30	0.015	0.007	0.007	0.00	MilliRem/hour	012
07 -04	BUILDING 7, FIRST FLOOR	24	0.014	0.004	0.004	0.00	MilliRem/hour	012
07 -05	BUILDING 7, FIRST FLOOR	29	0.012	0.004	0.004	0.00	MilliRem/hour	012
07 -06	BUILDING 7, FIRST FLOOR	6	0.016	0.003	0.003	0.00	MilliRem/hour	012
08 -01	BUILDING 8A, FIRST FLOOR	43	0.011	0.003	0.003	0.00	MilliRem/hour	035
08 -02	BUILDING 8A, FIRST FLOOR	25	0.011	0.003	0.003	0.00	MilliRem/hour	035
08 -03	BUILDING 8A, FIRST FLOOR	33	0.012	0.003	0.003	0.00	MilliRem/hour	035
08 -04	BUILDING 8A, FIRST FLOOR	19	0.011	0.002	0.002	0.00	MilliRem/hour	035
08 -05	BUILDING 8A, FIRST FLOOR	40	0.011	0.003	0.003	0.00	MilliRem/hour	035
08 -06	BUILDING 8A, FIRST FLOOR, SPECIAL GRIDS	415	0.011	0.003	0.003	0.00	MilliRem/hour	035
09 -01	BUILDING 9, PIT	59	0.015	0.004	0.004	0.00	MilliRem/hour	016

TABLE B1
COMPARISON OF STANDARD DEVIATION CALCULATIONS

LOCATION CODE	LOCATION DESCRIPTION	NUMBER OF SURVEY POINTS	AVERAGE VALUE	STANDARD DEVIATION ("n" method)	STANDARD DEVIATION ("n-1" method)	PERCENT DIFFERENCE	UNITS FOR ALL VALUES	REPORT NUMBER
10 -01	BUILDING 9, FIRST FLOOR, EXT. STORAGE	14	0.015	0.005	0.005	0.00	MilliRem/hour	020
10 -02	BUILDING 9, FIRST FLOOR	17	0.011	0.003	0.003	0.00	MilliRem/hour	020
10 -03	BUILDING 9, FIRST FLOOR	22	0.010	0.000	0.000	0.00	MilliRem/hour	020
10 -04	BUILDING 9, FIRST FLOOR	41	0.012	0.005	0.005	0.00	MilliRem/hour	020
10 -05	BUILDING 9, FIRST FLOOR	18	0.010	0.000	0.000	0.00	MilliRem/hour	020
10 -06	BUILDING 9, FIRST FLOOR	26	0.012	0.004	0.004	0.00	MilliRem/hour	020
10 -08	BUILDING 9, FIRST FLOOR	14	0.016	0.004	0.004	0.00	MilliRem/hour	020
10 -09	BUILDING 9, FIRST FLOOR	20	0.013	0.004	0.004	0.00	MilliRem/hour	020
10 -10	BUILDING 9, FIRST FLOOR	18	0.014	0.006	0.006	0.00	MilliRem/hour	020
10 -11	BUILDING 9, FIRST FLOOR	21	0.011	0.003	0.003	0.00	MilliRem/hour	020
10 -12	BUILDING 9, FIRST FLOOR	21	0.012	0.003	0.003	0.00	MilliRem/hour	020
10 -14-1	BUILDING 9 PIPE CHASES - GROUP 1	248	0.019	0.006	0.006	0.00	MilliRem/hour	010
10 -14-2	BUILDING 9 PIPE CHASES - GROUP 2	177	0.020	0.008	0.008	0.00	MilliRem/hour	010
10 -14-3	BUILDING 9 PIPE CHASES - GROUP 3	92	0.017	0.004	0.004	0.00	MilliRem/hour	010
10 -14-4	BUILDING 9 PIPE CHASES - ASSOCIATED PITS	22	0.016	0.004	0.004	0.00	MilliRem/hour	010
11 -01	HYDROGEN FACILITY	41	0.010	0.003	0.003	0.00	MilliRem/hour	033
14 -01	BUILDING 4, BASEMENT	29	0.011	0.002	0.002	0.00	MilliRem/hour	015
14 -02	BUILDING 4, BASEMENT	8	0.015	0.003	0.003	0.00	MilliRem/hour	015
15 -01	BUILDING 4, THIRD FLOOR	16	0.013	0.005	0.005	0.00	MilliRem/hour	029
16 -01	BUILDING 12, FIRST FLOOR	30	0.012	0.004	0.004	0.00	MilliRem/hour	027
27 -01	MONITORED DRAIN LINE PIT BEHIND BLDG. 5	20	0.010	0.000	0.000	0.00	MilliRem/hour	008
28A-01	BUILDING 4, FIRST FLOOR	19	0.014	0.006	0.006	0.00	MilliRem/hour	025
28A-02	BUILDING 4, SECOND FLOOR	32	0.014	0.004	0.004	0.00	MilliRem/hour	025
28B-01	BUILDING 5, FOURTH FLOOR	30	0.013	0.004	0.004	0.00	MilliRem/hour	030
28C-01	BUILDING 5A	30	0.011	0.003	0.003	0.00	MilliRem/hour	026
28D-01	BUILDING 7, SECOND FLOOR	27	0.014	0.005	0.005	0.00	MilliRem/hour	013
28E-01	BUILDING 8	30	0.016	0.006	0.006	0.00	MilliRem/hour	011
28F-01	BUILDING 8A, SECOND FLOOR	7	0.015	0.006	0.006	0.00	MilliRem/hour	032
28G-01	BUILDING 9, SECOND FLOOR	36	0.013	0.004	0.004	0.00	MilliRem/hour	022
28H-01	BUILDING 10, FIRST FLOOR	17	0.015	0.005	0.005	0.00	MilliRem/hour	021
28H-02	BUILDING 10, SECOND FLOOR	32	0.014	0.005	0.005	0.00	MilliRem/hour	021

TABLE B1
COMPARISON OF STANDARD DEVIATION CALCULATIONS

LOCATION CODE	LOCATION DESCRIPTION	NUMBER OF SURVEY POINTS	AVERAGE VALUE	STANDARD DEVIATION ("n" method)	STANDARD DEVIATION ("n-1" method)	PERCENT DIFFERENCE	UNITS FOR ALL VALUES	REPORT NUMBER
28I-01	BUILDING 11, FIRST FLOOR	36	0.011	0.003	0.003	0.00	MilliRem/hour	018
28I-02	BUILDING 11, SECOND FLOOR	15	0.011	0.003	0.003	0.00	MilliRem/hour	018
28J-01	FIREHALL	10	0.013	0.005	0.005	0.00	MilliRem/hour	031
28K-01	INCINERATOR BUILDING	18	0.020	0.010	0.010	0.00	MilliRem/hour	005
28K-02	INCINERATOR BLDG. - INSIDE INCINERATOR	12	0.040	0.010	0.010	0.00	MilliRem/hour	005
28L-01	BUILDING 12, SECOND FLOOR	25	0.010	0.000	0.000	0.00	MilliRem/hour	028
29 -01	ROOF SURFACE FOR BLDG 5	51	0.013	0.005	0.005	0.00	MilliRem/hour	038
29 -02	ROOF SURFACE FOR BLDGS 6,7&8	31	0.011	0.002	0.002	0.00	MilliRem/hour	038
29 -03	ROOF SURFACE FOR BLDG 8A	45	0.011	0.003	0.003	0.00	MilliRem/hour	038
29 -04	ROOF SURFACE FOR BLDG 9	34	0.010	0.003	0.003	0.00	MilliRem/hour	038
29 -05	ROOF SURFACE FOR HYDROGEN FACILITY	30	0.013	0.004	0.004	0.00	MilliRem/hour	038
29 -06	ROOF SURFACE FOR BLDGS 4,10,11,&FIREHALL	37	0.011	0.004	0.004	0.00	MilliRem/hour	038
29 -09	ROOF VENTS FOR BLDGS 9 & HYDROGEN FAC.	4	0.010	0.002	0.002	0.00	MilliRem/hour	038
** Subtotal **		2978						
** SURVEY TYPE = MAXIMUM - BETA SCAN OF SURFACE NEAR SURVEY POINT								
01 -01	BUILDING 5, FIRST FLOOR	74	138.400	198.700	200.056	0.68	DPM/100 cm^2	034
01 -03	BUILDING 5, FIRST FLOOR	69	115.900	187.700	189.075	0.73	DPM/100 cm^2	034
01 -04	BUILDING 5, FIRST FLOOR	72	213.600	472.000	475.312	0.70	DPM/100 cm^2	034
01 -06	BUILDING 5, FIRST FLOOR	35	90.300	45.500	46.164	1.46	DPM/100 cm^2	034
01 -07	BUILDING 5, FIRST FLOOR	30	593.300	419.900	427.078	1.71	DPM/100 cm^2	034
01 -08	BUILDING 5, FIRST FLOOR	65	185.400	449.500	452.998	0.78	DPM/100 cm^2	034
01 -09	BUILDING 5, FIRST FLOOR	63	138.400	106.900	107.759	0.80	DPM/100 cm^2	034
01 -10	BUILDING 5, FIRST FLOOR	37	310.600	154.200	156.327	1.38	DPM/100 cm^2	034
01 -13	BUILDING 5, FIRST FLOOR	31	106.400	86.800	88.235	1.65	DPM/100 cm^2	034
01 -14	BUILDING 5, UPPER SURFACES, UNITS 6 & 10	60	334.000	167.900	169.317	0.84	DPM/100 cm^2	034
02 -01	BUILDING 5, SECOND FLOOR	62	305.000	210.400	212.118	0.82	DPM/100 cm^2	023
02 -02	BUILDING 5, SECOND FLOOR	64	137.100	268.200	270.320	0.79	DPM/100 cm^2	023
02 -03	BUILDING 5, SECOND FLOOR	30	282.200	281.000	285.804	1.71	DPM/100 cm^2	023
02 -04	BUILDING 5, SECOND FLOOR	61	281.400	275.500	277.786	0.83	DPM/100 cm^2	023

TABLE B1
COMPARISON OF STANDARD DEVIATION CALCULATIONS

LOCATION CODE	LOCATION DESCRIPTION	NUMBER OF SURVEY POINTS	AVERAGE VALUE	STANDARD DEVIATION ("n" method)	STANDARD DEVIATION ("n-1" method)	PERCENT DIFFERENCE	UNITS FOR ALL VALUES	REPORT NUMBER
03 -01	BUILDING 5, THIRD FLOOR	64	223.200	202.100	203.698	0.79	DPM/100 cm^2	024
04 -01	BUILDING 6, FIRST FLOOR	71	281.300	235.900	237.579	0.71	DPM/100 cm^2	017
04 -02	BUILDING 6, FIRST FLOOR	64	184.800	131.300	132.338	0.79	DPM/100 cm^2	017
04 -03	BUILDING 6, FIRST FLOOR	63	198.800	199.100	200.699	0.80	DPM/100 cm^2	017
04 -04	BUILDING 6, FIRST FLOOR	68	224.500	190.500	191.916	0.74	DPM/100 cm^2	017
04 -05	BUILDING 6, FIRST FLOOR	91	232.600	164.600	165.512	0.55	DPM/100 cm^2	017
04 -06	BUILDING 6, VENTILATION SYSTEMS	9	232.200	182.200	193.252	6.07	DPM/100 cm^2	017
05 -01	BUILDING 6, SECOND FLOOR	74	126.900	320.700	322.889	0.68	DPM/100 cm^2	019
05 -02	BUILDING 6, SECOND FLOOR	60	266.000	201.600	203.301	0.84	DPM/100 cm^2	019
06 -01	BUILDING 6A	86	130.500	151.000	151.886	0.59	DPM/100 cm^2	014
06 -02	BUILDING 6A	67	55.400	195.500	196.975	0.75	DPM/100 cm^2	014
06 -03	BUILDING 6A	60	166.500	221.300	223.168	0.84	DPM/100 cm^2	014
07 -01	BUILDING 7, FIRST FLOOR	70	170.200	242.400	244.150	0.72	DPM/100 cm^2	012
07 -02	BUILDING 7, FIRST FLOOR	60	55.000	113.800	114.760	0.84	DPM/100 cm^2	012
07 -03	BUILDING 7, FIRST FLOOR	70	-141.100	109.600	110.391	0.72	DPM/100 cm^2	012
07 -04	BUILDING 7, FIRST FLOOR	60	176.900	117.100	118.088	0.84	DPM/100 cm^2	012
07 -05	BUILDING 7, FIRST FLOOR	61	13.500	115.700	116.660	0.83	DPM/100 cm^2	012
07 -06	BUILDING 7, FIRST FLOOR	67	213.700	163.300	164.532	0.75	DPM/100 cm^2	012
08 -01	BUILDING 8A, FIRST FLOOR	99	201.800	202.900	203.933	0.51	DPM/100 cm^2	035
08 -02	BUILDING 8A, FIRST FLOOR	76	140.500	175.400	176.565	0.66	DPM/100 cm^2	035
08 -03	BUILDING 8A, FIRST FLOOR	63	283.100	361.100	364.000	0.80	DPM/100 cm^2	035
08 -04	BUILDING 8A, FIRST FLOOR	61	138.000	110.700	111.619	0.83	DPM/100 cm^2	035
08 -05	BUILDING 8A, FIRST FLOOR	73	133.000	154.300	155.368	0.69	DPM/100 cm^2	035
09 -01	BUILDING 9, PIT	113	135.600	101.900	102.354	0.45	DPM/100 cm^2	016
10 -01	BUILDING 9, FIRST FLOOR, EXT. STORAGE	30	241.000	191.700	194.977	1.71	DPM/100 cm^2	020
10 -02	BUILDING 9, FIRST FLOOR	68	18.700	303.000	305.253	0.74	DPM/100 cm^2	020
10 -03	BUILDING 9, FIRST FLOOR	62	94.400	280.000	282.286	0.82	DPM/100 cm^2	020
10 -04	BUILDING 9, FIRST FLOOR	79	272.800	179.700	180.848	0.64	DPM/100 cm^2	020
10 -05	BUILDING 9, FIRST FLOOR	61	231.700	157.000	158.303	0.83	DPM/100 cm^2	020
10 -06	BUILDING 9, FIRST FLOOR	60	125.000	130.600	131.702	0.84	DPM/100 cm^2	020
10 -08	BUILDING 9, FIRST FLOOR	66	162.700	147.300	148.429	0.77	DPM/100 cm^2	020

TABLE B1
COMPARISON OF STANDARD DEVIATION CALCULATIONS

LOCATION CODE	LOCATION DESCRIPTION	NUMBER OF SURVEY POINTS	AVERAGE VALUE	STANDARD DEVIATION ("n" method)	STANDARD DEVIATION ("n-1" method)	PERCENT DIFFERENCE	UNITS FOR ALL VALUES	REPORT NUMBER
10 -09	BUILDING 9, FIRST FLOOR	69	124.600	126.300	127.225	0.73	DPM/100 cm^2	020
10 -10	BUILDING 9, FIRST FLOOR	61	177.200	218.300	220.112	0.83	DPM/100 cm^2	020
10 -11	BUILDING 9, FIRST FLOOR	62	223.200	279.900	282.185	0.82	DPM/100 cm^2	020
10 -12	BUILDING 9, FIRST FLOOR	64	130.000	236.200	238.067	0.79	DPM/100 cm^2	020
10 -14-1	BUILDING 9 PIPE CHASES - GROUP 1	251	510.600	722.100	723.543	0.20	DPM/100 cm^2	010
10 -14-2	BUILDING 9 PIPE CHASES - GROUP 2	177	384.800	412.700	413.871	0.28	DPM/100 cm^2	010
10 -14-3	BUILDING 9 PIPE CHASES - GROUP 3	92	330.200	185.400	186.416	0.55	DPM/100 cm^2	010
10 -14-4	BUILDING 9 PIPE CHASES - ASSOCIATED PITS	22	318.310	156.080	159.753	2.35	DPM/100 cm^2	010
11 -01	HYDROGEN FACILITY	94	100.700	203.400	204.491	0.54	DPM/100 cm^2	033
14 -01	BUILDING 4, BASEMENT	29	100.800	296.000	301.239	1.77	DPM/100 cm^2	015
14 -02	BUILDING 4, BASEMENT	31	132.800	150.800	153.293	1.65	DPM/100 cm^2	015
15 -01	BUILDING 4, THIRD FLOOR	30	191.200	211.500	215.116	1.71	DPM/100 cm^2	029
16 -01	BUILDING 12, FIRST FLOOR	30	114.200	47.100	47.905	1.71	DPM/100 cm^2	027
27 -01	MONITORED DRAIN LINE PIT BEHIND BLDG. 5	20	37.540	489.810	502.534	2.60	DPM/100 cm^2	008
28A-01	BUILDING 4, FIRST FLOOR	48	396.200	377.200	381.192	1.06	DPM/100 cm^2	025
28A-02	BUILDING 4, SECOND FLOOR	32	136.300	344.200	349.708	1.60	DPM/100 cm^2	025
28B-01	BUILDING 5, FOURTH FLOOR	30	82.000	52.200	53.092	1.71	DPM/100 cm^2	030
28C-01	BUILDING 5A	30	120.300	84.300	85.741	1.71	DPM/100 cm^2	026
28D-01	BUILDING 7, SECOND FLOOR	30	85.400	92.800	94.386	1.71	DPM/100 cm^2	013
28E-01	BUILDING 8	52	-6.300	358.800	362.301	0.98	DPM/100 cm^2	011
28F-01	BUILDING 8A, SECOND FLOOR	36	831.100	531.800	539.344	1.42	DPM/100 cm^2	032
28G-01	BUILDING 9, SECOND FLOOR	36	110.700	81.200	82.352	1.42	DPM/100 cm^2	022
28H-01	BUILDING 10, FIRST FLOOR	35	149.100	119.900	121.650	1.46	DPM/100 cm^2	021
28H-02	BUILDING 10, SECOND FLOOR	32	92.400	85.100	86.462	1.60	DPM/100 cm^2	021
28I-01	BUILDING 11, FIRST FLOOR	36	79.100	50.400	51.115	1.42	DPM/100 cm^2	018
28I-02	BUILDING 11, SECOND FLOOR	36	661.300	487.100	494.010	1.42	DPM/100 cm^2	018
28J-01	FIREHALL	30	235.300	196.600	199.961	1.71	DPM/100 cm^2	031
28K-01	INCINERATOR BUILDING	18	18.040	46.410	47.755	2.90	DPM/100 cm^2	005
28K-02	INCINERATOR BLDG. - INSIDE INCINERATOR	20	2428.060	690.590	708.530	2.60	DPM/100 cm^2	005
28K-03	INCINERATOR BUILDING - INSIDE CHIMNEY	8	974.850	124.220	132.797	7.0	DPM/100 cm^2	005
28L-01	BUILDING 12, SECOND FLOOR	30	135.800	194.000	197.316	1.71	DPM/100 cm^2	028

TABLE B1
COMPARISON OF STANDARD DEVIATION CALCULATIONS

LOCATION CODE	LOCATION DESCRIPTION	NUMBER OF SURVEY POINTS	AVERAGE VALUE	STANDARD DEVIATION ("n" method)	STANDARD DEVIATION ("n-1" method)	PERCENT DIFFERENCE	UNITS FOR ALL VALUES	REPORT NUMBER
29 -01	ROOF SURFACE FOR BLDG 5	51	551.200	701.300	708.278	1.00	DPM/100 cm^2	038
29 -02	ROOF SURFACE FOR BLDGS 6,7&8	31	86.400	397.900	404.477	1.65	DPM/100 cm^2	038
29 -03	ROOF SURFACE FOR BLDG 8A	45	625.900	302.900	306.323	1.13	DPM/100 cm^2	038
29 -04	ROOF SURFACE FOR BLDG 9	34	564.500	244.800	248.481	1.50	DPM/100 cm^2	038
29 -05	ROOF SURFACE FOR HYDROGEN FACILITY	30	1100.500	348.800	354.763	1.71	DPM/100 cm^2	038
29 -06	ROOF SURFACE FOR BLDGS 4,10,11,&FIREHALL	37	323.100	354.300	359.187	1.38	DPM/100 cm^2	038
29 -09	ROOF VENTS FOR BLDGS 9 & HYDROGEN FAC.	18	-21.400	315.800	324.956	2.90	DPM/100 cm^2	038
** Subtotal **		4646						
** SURVEY TYPE = AVERAGE - BETA SCAN OF SURFACE WEAR SURVEY POINT								
01 -01	BUILDING 5, FIRST FLOOR	74	16.600	143.400	144.379	0.68	DPM/100 cm^2	034
01 -03	BUILDING 5, FIRST FLOOR	69	-38.600	159.800	160.971	0.73	DPM/100 cm^2	034
01 -04	BUILDING 5, FIRST FLOOR	72	96.100	429.600	432.615	0.70	DPM/100 cm^2	034
01 -06	BUILDING 5, FIRST FLOOR	35	38.300	43.300	43.932	1.46	DPM/100 cm^2	034
01 -07	BUILDING 5, FIRST FLOOR	30	350.900	398.900	405.719	1.71	DPM/100 cm^2	034
01 -08	BUILDING 5, FIRST FLOOR	65	-102.600	334.200	336.801	0.78	DPM/100 cm^2	034
01 -09	BUILDING 5, FIRST FLOOR	63	23.700	89.400	90.118	0.80	DPM/100 cm^2	034
01 -10	BUILDING 5, FIRST FLOOR	37	39.300	123.800	125.508	1.38	DPM/100 cm^2	034
01 -13	BUILDING 5, FIRST FLOOR	31	-6.900	75.500	76.748	1.65	DPM/100 cm^2	034
01 -14	BUILDING 5, UPPER SURFACES, UNITS 6 & 10	60	153.500	173.400	174.863	0.84	DPM/100 cm^2	034
02 -01	BUILDING 5, SECOND FLOOR	62	160.700	147.700	148.906	0.82	DPM/100 cm^2	023
02 -02	BUILDING 5, SECOND FLOOR	64	28.500	202.800	204.403	0.79	DPM/100 cm^2	023
02 -03	BUILDING 5, SECOND FLOOR	30	110.900	223.800	227.626	1.71	DPM/100 cm^2	023
02 -04	BUILDING 5, SECOND FLOOR	61	165.800	193.300	194.904	0.83	DPM/100 cm^2	023
03 -01	BUILDING 5, THIRD FLOOR	64	75.500	120.500	121.453	0.79	DPM/100 cm^2	024
04 -01	BUILDING 6, FIRST FLOOR	71	114.800	173.700	174.936	0.71	DPM/100 cm^2	017
04 -02	BUILDING 6, FIRST FLOOR	64	62.800	109.400	110.265	0.79	DPM/100 cm^2	017
04 -03	BUILDING 6, FIRST FLOOR	63	60.300	124.400	125.399	0.80	DPM/100 cm^2	017
04 -04	BUILDING 6, FIRST FLOOR	68	80.500	150.600	151.720	0.74	DPM/100 cm^2	017
04 -05	BUILDING 6, FIRST FLOOR	91	70.400	115.000	115.637	0.55	DPM/100 cm^2	017

TABLE B1
COMPARISON OF STANDARD DEVIATION CALCULATIONS

LOCATION CODE	LOCATION DESCRIPTION	NUMBER OF SURVEY POINTS	AVERAGE VALUE	STANDARD DEVIATION ("n" method)	STANDARD DEVIATION ("n-1" method)	PERCENT DIFFERENCE	UNITS FOR ALL VALUES	REPORT NUMBER
04 -06	BUILDING 6, VENTILATION SYSTEMS	9	64.300	108.300	114.869	6.07	DPM/100 cm^2	017
05 -01	BUILDING 6, SECOND FLOOR	74	6.500	262.300	264.090	0.68	DPM/100 cm^2	019
05 -02	BUILDING 6, SECOND FLOOR	60	115.500	163.000	164.376	0.84	DPM/100 cm^2	019
06 -01	BUILDING 6A	86	0.800	120.300	121.006	0.59	DPM/100 cm^2	014
06 -02	BUILDING 6A	67	-49.900	149.000	150.125	0.76	DPM/100 cm^2	014
06 -03	BUILDING 6A	60	1.300	168.100	169.519	0.84	DPM/100 cm^2	014
07 -01	BUILDING 7, FIRST FLOOR	70	25.200	135.500	136.478	0.72	DPM/100 cm^2	012
07 -02	BUILDING 7, FIRST FLOOR	60	-42.600	185.800	187.368	0.84	DPM/100 cm^2	012
07 -03	BUILDING 7, FIRST FLOOR	70	-221.100	123.700	124.593	0.72	DPM/100 cm^2	012
07 -04	BUILDING 7, FIRST FLOOR	60	101.700	105.000	105.886	0.84	DPM/100 cm^2	012
07 -05	BUILDING 7, FIRST FLOOR	61	-57.100	91.900	92.663	0.83	DPM/100 cm^2	012
07 -06	BUILDING 7, FIRST FLOOR	67	81.600	141.800	142.870	0.75	DPM/100 cm^2	012
08 -01	BUILDING 8A, FIRST FLOOR	99	-40.000	132.400	133.074	0.51	DPM/100 cm^2	035
08 -02	BUILDING 8A, FIRST FLOOR	76	-95.500	136.300	137.206	0.66	DPM/100 cm^2	035
08 -03	BUILDING 8A, FIRST FLOOR	63	102.600	346.400	349.182	0.80	DPM/100 cm^2	035
08 -04	BUILDING 8A, FIRST FLOOR	61	2.000	105.500	106.376	0.83	DPM/100 cm^2	035
08 -05	BUILDING 8A, FIRST FLOOR	73	-65.300	152.900	153.958	0.69	DPM/100 cm^2	035
09 -01	BUILDING 9, PIT	113	0.900	103.400	103.861	0.45	DPM/100 cm^2	016
10 -01	BUILDING 9, FIRST FLOOR, EXT. STORAGE	30	105.500	141.100	143.512	1.71	DPM/100 cm^2	020
10 -02	BUILDING 9, FIRST FLOOR	68	-97.000	233.000	234.732	0.74	DPM/100 cm^2	020
10 -03	BUILDING 9, FIRST FLOOR	62	-23.300	182.100	183.587	0.82	DPM/100 cm^2	020
10 -04	BUILDING 9, FIRST FLOOR	79	84.600	90.000	90.575	0.64	DPM/100 cm^2	020
10 -05	BUILDING 9, FIRST FLOOR	61	13.200	129.000	130.071	0.83	DPM/100 cm^2	020
10 -06	BUILDING 9, FIRST FLOOR	60	21.700	97.800	98.625	0.84	DPM/100 cm^2	020
10 -08	BUILDING 9, FIRST FLOOR	66	40.700	103.900	104.696	0.77	DPM/100 cm^2	020
10 -09	BUILDING 9, FIRST FLOOR	69	-25.400	107.000	107.784	0.73	DPM/100 cm^2	020
10 -10	BUILDING 9, FIRST FLOOR	61	12.900	161.600	162.941	0.83	DPM/100 cm^2	020
10 -11	BUILDING 9, FIRST FLOOR	62	97.500	214.500	216.251	0.82	DPM/100 cm^2	020
10 -12	BUILDING 9, FIRST FLOOR	64	17.800	189.900	191.401	0.79	DPM/100 cm^2	020
10 -14-1	BUILDING 9 PIPE CHASES - GROUP 1	251	194.700	385.200	385.970	0.20	DPM/100 cm^2	010
10 -14-2	BUILDING 9 PIPE CHASES - GROUP 2	177	152.100	223.100	223.733	0.28	DPM/100 cm^2	010

TABLE B1
COMPARISON OF STANDARD DEVIATION CALCULATIONS

LOCATION CODE	LOCATION DESCRIPTION	NUMBER OF SURVEY POINTS	AVERAGE VALUE	STANDARD DEVIATION ("n" method)	STANDARD DEVIATION ("n-1" method)	PERCENT DIFFERENCE	UNITS FOR ALL VALUES	REPORT NUMBER
10 -14-3	BUILDING 9 PIPE CHASES - GROUP 3	92	130.600	109.900	110.502	0.55	DPM/100 cm^2	010
10 -14-4	BUILDING 9 PIPE CHASES - ASSOCIATED PITS	22	183.210	122.360	125.239	2.35	DPM/100 cm^2	010
11 -01	HYDROGEN FACILITY	94	-10.700	155.300	156.133	0.54	DPM/100 cm^2	033
14 -01	BUILDING 4, BASEMENT	29	-145.200	278.600	283.531	1.77	DPM/100 cm^2	015
14 -02	BUILDING 4, BASEMENT	31	24.300	118.200	120.154	1.65	DPM/100 cm^2	015
15 -01	BUILDING 4, THIRD FLOOR	30	57.900	120.800	122.865	1.71	DPM/100 cm^2	029
16 -01	BUILDING 12, FIRST FLOOR	30	59.300	46.900	47.702	1.71	DPM/100 cm^2	027
27 -01	MONITORED DRAIN LINE PIT BEHIND BLDG. 5	20	-206.360	162.610	166.834	2.60	DPM/100 cm^2	008
28A-01	BUILDING 4, FIRST FLOOR	48	-220.500	627.200	633.837	1.06	DPM/100 cm^2	025
28A-02	BUILDING 4, SECOND FLOOR	32	96.700	344.500	350.012	1.60	DPM/100 cm^2	025
28B-01	BUILDING 5, FOURTH FLOOR	30	18.100	49.300	50.143	1.71	DPM/100 cm^2	030
28C-01	BUILDING 5A	30	72.900	82.600	84.012	1.71	DPM/100 cm^2	026
28D-01	BUILDING 7, SECOND FLOOR	30	38.600	92.600	94.183	1.71	DPM/100 cm^2	013
28E-01	BUILDING 8	52	-115.000	349.700	353.112	0.98	DPM/100 cm^2	011
28F-01	BUILDING 8A, SECOND FLOOR	36	635.000	521.400	528.796	1.42	DPM/100 cm^2	032
28G-01	BUILDING 9, SECOND FLOOR	36	54.700	78.100	79.208	1.42	DPM/100 cm^2	022
28H-01	BUILDING 10, FIRST FLOOR	35	93.700	117.500	119.215	1.46	DPM/100 cm^2	021
28H-02	BUILDING 10, SECOND FLOOR	32	35.100	69.500	70.612	1.60	DPM/100 cm^2	021
28I-01	BUILDING 11, FIRST FLOOR	36	5.800	42.900	43.509	1.42	DPM/100 cm^2	018
28I-02	BUILDING 11, SECOND FLOOR	36	417.800	429.800	435.897	1.42	DPM/100 cm^2	018
28J-01	FIREHALL	30	53.700	154.800	157.446	1.71	DPM/100 cm^2	031
28K-01	INCINERATOR BUILDING	18	-12.030	46.570	47.920	2.90	DPM/100 cm^2	005
28K-02	INCINERATOR BLDG. - INSIDE INCINERATOR	20	1921.150	626.060	642.324	2.60	DPM/100 cm^2	005
28K-03	INCINERATOR BUILDING - INSIDE CHIMNEY	8	505.850	64.870	69.349	6.90	DPM/100 cm^2	005
28L-01	BUILDING 12, SECOND FLOOR	30	85.900	174.500	177.483	1.71	DPM/100 cm^2	028
29 -01	ROOF SURFACE FOR BLDG 5	51	168.500	617.300	623.442	0.99	DPM/100 cm^2	038
29 -02	ROOF SURFACE FOR BLDGS 6,7&8	31	-280.400	233.800	237.665	1.65	DPM/100 cm^2	038
29 -03	ROOF SURFACE FOR BLDG 8A	45	288.200	203.100	205.395	1.13	DPM/100 cm^2	038
29 -04	ROOF SURFACE FOR BLDG 9	34	296.700	166.500	169.004	1.50	DPM/100 cm^2	038
29 -05	ROOF SURFACE FOR HYDROGEN FACILITY	30	761.500	329.700	335.336	1.71	DPM/100 cm^2	038
29 -06	ROOF SURFACE FOR BLDGS 4,10,11,&FIREHALL	37	14.900	337.600	342.257	1.38	DPM/100 cm^2	038

TABLE B1
COMPARISON OF STANDARD DEVIATION CALCULATIONS

LOCATION CODE	LOCATION DESCRIPTION	NUMBER OF SURVEY POINTS	AVERAGE VALUE	STANDARD DEVIATION ("n" method)	STANDARD DEVIATION ("n-1" method)	PERCENT DIFFERENCE	UNITS FOR ALL VALUES	REPORT NUMBER
29 -09	ROOF VENTS FOR BLDGS 9 & HYDROGEN FAC.	18	-309.000	285.500	293.777	2.90	DPM/100 cm^2	038
** Subtotal **		4646						
** SURVEY TYPE = FIXED ALPHA SURVEY AT SURVEY POINT								
01 -01	BUILDING 5, FIRST FLOOR	74	2.100	7.800	7.853	0.68	DPM/100 cm^2	034
01 -03	BUILDING 5, FIRST FLOOR	69	3.700	7.300	7.353	0.73	DPM/100 cm^2	034
01 -04	BUILDING 5, FIRST FLOOR	67	11.500	42.200	42.518	0.75	DPM/100 cm^2	034
01 -06	BUILDING 5, FIRST FLOOR	35	3.100	3.400	3.450	1.47	DPM/100 cm^2	034
01 -07	BUILDING 5, FIRST FLOOR	29	1.300	8.500	8.650	1.76	DPM/100 cm^2	034
01 -08	BUILDING 5, FIRST FLOOR	65	-14.700	30.400	30.637	0.78	DPM/100 cm^2	034
01 -09	BUILDING 5, FIRST FLOOR	63	2.900	6.400	6.451	0.80	DPM/100 cm^2	034
01 -10	BUILDING 5, FIRST FLOOR	37	0.100	5.200	5.272	1.38	DPM/100 cm^2	034
01 -13	BUILDING 5, FIRST FLOOR	31	-1.800	6.900	7.014	1.65	DPM/100 cm^2	034
01 -14	BUILDING 5, UPPER SURFACES, UNITS 6 & 10	60	3.300	10.700	10.790	0.84	DPM/100 cm^2	034
02 -01	BUILDING 5, SECOND FLOOR	62	4.900	6.300	6.351	0.81	DPM/100 cm^2	023
02 -02	BUILDING 5, SECOND FLOOR	64	5.400	7.100	7.156	0.79	DPM/100 cm^2	023
02 -03	BUILDING 5, SECOND FLOOR	30	2.100	12.500	12.714	1.71	DPM/100 cm^2	023
02 -04	BUILDING 5, SECOND FLOOR	61	9.900	8.300	8.369	0.83	DPM/100 cm^2	023
03 -01	BUILDING 5, THIRD FLOOR	64	7.500	9.000	9.071	0.79	DPM/100 cm^2	024
04 -01	BUILDING 6, FIRST FLOOR	71	5.600	16.100	16.215	0.71	DPM/100 cm^2	017
04 -02	BUILDING 6, FIRST FLOOR	64	0.300	6.000	6.047	0.78	DPM/100 cm^2	017
04 -03	BUILDING 6, FIRST FLOOR	63	5.000	7.500	7.560	0.80	DPM/100 cm^2	017
04 -04	BUILDING 6, FIRST FLOOR	67	2.300	6.600	6.650	0.76	DPM/100 cm^2	017
04 -05	BUILDING 6, FIRST FLOOR	91	4.000	6.700	6.737	0.55	DPM/100 cm^2	017
04 -06	BUILDING 6, VENTILATION SYSTEMS	9	1.900	6.500	6.894	6.06	DPM/100 cm^2	017
05 -01	BUILDING 6, SECOND FLOOR	74	4.900	19.200	19.331	0.68	DPM/100 cm^2	019
05 -02	BUILDING 6, SECOND FLOOR	60	4.800	7.900	7.967	0.85	DPM/100 cm^2	019
06 -01	BUILDING 6A	86	-0.500	11.800	11.869	0.58	DPM/100 cm^2	014
06 -02	BUILDING 6A	67	-2.400	11.200	11.285	0.76	DPM/100 cm^2	014
06 -03	BUILDING 6A	60	2.400	8.400	8.471	0.85	DPM/100 cm^2	014

TABLE B1
COMPARISON OF STANDARD DEVIATION CALCULATIONS

LOCATION CODE	LOCATION DESCRIPTION	NUMBER OF SURVEY POINTS	AVERAGE VALUE	STANDARD DEVIATION ("n" method)	STANDARD DEVIATION ("n-1" method)	PERCENT DIFFERENCE	UNITS FOR ALL VALUES	REPORT NUMBER
07 -01	BUILDING 7, FIRST FLOOR	70	-5.300	17.200	17.324	0.72	DPM/100 cm^2	012
07 -02	BUILDING 7, FIRST FLOOR	60	-3.300	15.600	15.732	0.85	DPM/100 cm^2	012
07 -03	BUILDING 7, FIRST FLOOR	70	-1.700	8.500	8.561	0.72	DPM/100 cm^2	012
07 -04	BUILDING 7, FIRST FLOOR	60	1.900	8.600	8.673	0.85	DPM/100 cm^2	012
07 -05	BUILDING 7, FIRST FLOOR	61	-1.700	6.400	6.453	0.83	DPM/100 cm^2	012
07 -06	BUILDING 7, FIRST FLOOR	67	4.300	6.900	6.952	0.75	DPM/100 cm^2	012
08 -01	BUILDING 8A, FIRST FLOOR	99	0.600	7.100	7.136	0.51	DPM/100 cm^2	035
08 -02	BUILDING 8A, FIRST FLOOR	76	1.000	7.600	7.650	0.66	DPM/100 cm^2	035
08 -03	BUILDING 8A, FIRST FLOOR	63	2.600	5.600	5.645	0.80	DPM/100 cm^2	035
08 -04	BUILDING 8A, FIRST FLOOR	61	0.700	4.500	4.537	0.82	DPM/100 cm^2	035
08 -05	BUILDING 8A, FIRST FLOOR	73	-0.400	5.400	5.437	0.69	DPM/100 cm^2	035
08 -06	BUILDING 8A, FIRST FLOOR, SPECIAL GRIDS	415	4.000	4.500	4.505	0.11	DPM/100 cm^2	035
09 -01	BUILDING 9, PIT	113	20.290	15.950	16.021	0.45	DPM/100 cm^2	016
10 -01	BUILDING 9, FIRST FLOOR, EXT. STORAGE	30	1.900	3.100	3.153	1.71	DPM/100 cm^2	020
10 -02	BUILDING 9, FIRST FLOOR	68	-2.200	8.600	8.664	0.74	DPM/100 cm^2	020
10 -03	BUILDING 9, FIRST FLOOR	62	-13.700	24.000	24.196	0.82	DPM/100 cm^2	020
10 -04	BUILDING 9, FIRST FLOOR	79	3.100	7.100	7.145	0.63	DPM/100 cm^2	020
10 -05	BUILDING 9, FIRST FLOOR	61	2.200	7.500	7.562	0.83	DPM/100 cm^2	020
10 -06	BUILDING 9, FIRST FLOOR	60	-7.700	9.400	9.479	0.84	DPM/100 cm^2	020
10 -08	BUILDING 9, FIRST FLOOR	66	5.200	17.500	17.634	0.77	DPM/100 cm^2	020
10 -09	BUILDING 9, FIRST FLOOR	69	5.100	6.200	6.245	0.73	DPM/100 cm^2	020
10 -10	BUILDING 9, FIRST FLOOR	61	1.800	8.800	8.873	0.83	DPM/100 cm^2	020
10 -11	BUILDING 9, FIRST FLOOR	62	-3.400	9.600	9.678	0.81	DPM/100 cm^2	020
10 -12	BUILDING 9, FIRST FLOOR	64	6.800	13.700	13.808	0.79	DPM/100 cm^2	020
10 -14-1	BUILDING 9 PIPE CHASES - GROUP 1	251	36.800	73.400	73.547	0.20	DPM/100 cm^2	010
10 -14-2	BUILDING 9 PIPE CHASES - GROUP 2	177	12.200	35.500	35.601	0.28	DPM/100 cm^2	010
10 -14-3	BUILDING 9 PIPE CHASES - GROUP 3	92	-1.600	8.000	8.044	0.55	DPM/100 cm^2	010
10 -14-4	BUILDING 9 PIPE CHASES - ASSOCIATED PITS	22	0.840	8.090	8.280	2.35	DPM/100 cm^2	010
11 -01	HYDROGEN FACILITY	98	8.200	14.800	14.876	0.51	DPM/100 cm^2	033
14 -01	BUILDING 4, BASEMENT	29	-1.200	7.000	7.124	1.77	DPM/100 cm^2	015
14 -02	BUILDING 4, BASEMENT	31	10.300	8.900	9.047	1.65	DPM/100 cm^2	015

TABLE B1
COMPARISON OF STANDARD DEVIATION CALCULATIONS

LOCATION CODE	LOCATION DESCRIPTION	NUMBER OF SURVEY POINTS	AVERAGE VALUE	STANDARD DEVIATION ("n" method)	STANDARD DEVIATION ("n-1" method)	PERCENT DIFFERENCE	UNITS FOR ALL VALUES	REPORT NUMBER
15 -01	BUILDING 4, THIRD FLOOR	30	-1.200	6.700	6.815	1.72	DPM/100 cm^2	029
16 -01	BUILDING 12, FIRST FLOOR	30	6.500	4.500	4.577	1.71	DPM/100 cm^2	027
27 -01	MONITORED DRAIN LINE PIT BEHIND BLDG. 5	20	-36.720	14.860	15.246	2.60	DPM/100 cm^2	008
28A-01	BUILDING 4, FIRST FLOOR	48	3.900	7.900	7.984	1.06	DPM/100 cm^2	025
28A-02	BUILDING 4, SECOND FLOOR	32	3.000	12.800	13.005	1.60	DPM/100 cm^2	025
28B-01	BUILDING 5, FOURTH FLOOR	30	5.100	6.100	6.204	1.70	DPM/100 cm^2	030
28C-01	BUILDING 5A	30	-0.200	4.000	4.068	1.70	DPM/100 cm^2	026
28D-01	BUILDING 7, SECOND FLOOR	30	1.700	7.400	7.527	1.72	DPM/100 cm^2	013
28E-01	BUILDING 8	52	-1.000	8.700	8.785	0.98	DPM/100 cm^2	011
28F-01	BUILDING 8A, SECOND FLOOR	36	-0.700	21.200	21.501	1.42	DPM/100 cm^2	032
28G-01	BUILDING 9, SECOND FLOOR	36	1.000	3.000	3.043	1.43	DPM/100 cm^2	022
28H-01	BUILDING 10, FIRST FLOOR	35	5.700	6.300	6.392	1.46	DPM/100 cm^2	021
28H-02	BUILDING 10, SECOND FLOOR	32	4.800	5.500	5.588	1.60	DPM/100 cm^2	021
28I-01	BUILDING 11, FIRST FLOOR	36	5.700	6.200	6.288	1.42	DPM/100 cm^2	018
28I-02	BUILDING 11, SECOND FLOOR	36	18.600	18.000	18.255	1.42	DPM/100 cm^2	018
28J-01	FIREHALL	30	1.000	6.600	6.713	1.71	DPM/100 cm^2	031
28K-01	INCINERATOR BUILDING	18	0.040	0.930	0.957	2.90	DPM/100 cm^2	005
28K-02	INCINERATOR BLDG. - INSIDE INCINERATOR	12	-17.840	6.710	7.008	4.44	DPM/100 cm^2	005
28L-01	BUILDING 12, SECOND FLOOR	30	3.500	3.500	3.560	1.71	DPM/100 cm^2	028
29 -01	ROOF SURFACE FOR BLDG 5	51	66.000	91.100	92.006	0.99	DPM/100 cm^2	038
29 -02	ROOF SURFACE FOR BLDGS 6,7&8	31	22.300	11.200	11.385	1.65	DPM/100 cm^2	038
29 -03	ROOF SURFACE FOR BLDG 8A	45	20.400	15.700	15.877	1.13	DPM/100 cm^2	038
29 -04	ROOF SURFACE FOR BLDG 9	34	21.500	14.000	14.211	1.51	DPM/100 cm^2	038
29 -05	ROOF SURFACE FOR HYDROGEN FACILITY	30	49.500	34.300	34.886	1.71	DPM/100 cm^2	038
29 -06	ROOF SURFACE FOR BLDGS 4,10,11,&FIREHALL	37	17.200	17.400	17.640	1.38	DPM/100 cm^2	038
29 -07	ROOF VENTS FOR BLDG 5	49	16.700	21.300	21.521	1.04	DPM/100 cm^2	038
29 -08	ROOF VENTS FOR BLDGS 6,7,&8A	22	26.000	42.000	42.988	2.35	DPM/100 cm^2	038
29 -09	ROOF VENTS FOR BLDGS 9 & HYDROGEN FAC.	49	28.500	50.200	50.720	1.04	DPM/100 cm^2	038
29 -10	ROOF VENTS FOR BLDGS 4,8,10,11& FIREHALL	36	33.900	69.400	70.384	1.42	DPM/100 cm^2	038
** Subtotal **		5180						

TABLE B1
COMPARISON OF STANDARD DEVIATION CALCULATIONS

LOCATION CODE	LOCATION DESCRIPTION	NUMBER OF SURVEY POINTS	AVERAGE VALUE	STANDARD DEVIATION ("n" method)	STANDARD DEVIATION ("n-1" method)	PERCENT DIFFERENCE	UNITS FOR ALL VALUES	REPORT NUMBER
** SURVEY TYPE = FIXED BETA SURVEY AT SURVEY POINT								
01 -01	BUILDING 5, FIRST FLOOR	74	51.100	167.500	168.643	0.68	DPM/100 cm^2	034
01 -03	BUILDING 5, FIRST FLOOR	69	-9.200	98.100	98.819	0.73	DPM/100 cm^2	034
01 -04	BUILDING 5, FIRST FLOOR	67	119.000	414.200	417.326	0.75	DPM/100 cm^2	034
01 -06	BUILDING 5, FIRST FLOOR	35	55.900	47.300	47.991	1.46	DPM/100 cm^2	034
01 -07	BUILDING 5, FIRST FLOOR	30	270.300	377.100	383.547	1.71	DPM/100 cm^2	034
01 -08	BUILDING 5, FIRST FLOOR	65	-56.300	229.600	231.387	0.78	DPM/100 cm^2	034
01 -09	BUILDING 5, FIRST FLOOR	63	38.400	84.800	85.481	0.80	DPM/100 cm^2	034
01 -10	BUILDING 5, FIRST FLOOR	37	128.000	224.400	227.495	1.38	DPM/100 cm^2	034
01 -13	BUILDING 5, FIRST FLOOR	31	16.700	53.400	54.283	1.65	DPM/100 cm^2	034
01 -14	BUILDING 5, UPPER SURFACES, UNITS 6 & 10	60	189.900	206.300	208.041	0.84	DPM/100 cm^2	034
02 -01	BUILDING 5, SECOND FLOOR	62	159.600	164.900	166.246	0.82	DPM/100 cm^2	023
02 -02	BUILDING 5, SECOND FLOOR	64	42.700	214.300	215.994	0.79	DPM/100 cm^2	023
02 -03	BUILDING 5, SECOND FLOOR	30	156.400	237.300	241.357	1.71	DPM/100 cm^2	023
02 -04	BUILDING 5, SECOND FLOOR	61	186.100	203.800	205.491	0.83	DPM/100 cm^2	023
03 -01	BUILDING 5, THIRD FLOOR	64	114.700	202.500	204.101	0.79	DPM/100 cm^2	024
04 -01	BUILDING 6, FIRST FLOOR	71	128.000	182.100	183.396	0.71	DPM/100 cm^2	017
04 -02	BUILDING 6, FIRST FLOOR	64	76.100	117.000	117.925	0.79	DPM/100 cm^2	017
04 -03	BUILDING 6, FIRST FLOOR	63	62.200	125.300	126.306	0.80	DPM/100 cm^2	017
04 -04	BUILDING 6, FIRST FLOOR	68	90.700	147.000	148.093	0.74	DPM/100 cm^2	017
04 -05	BUILDING 6, FIRST FLOOR	91	89.600	136.900	137.658	0.55	DPM/100 cm^2	017
04 -06	BUILDING 6, VENTILATION SYSTEMS	9	32.700	57.400	60.882	6.07	DPM/100 cm^2	017
05 -01	BUILDING 6, SECOND FLOOR	74	39.100	227.300	228.852	0.68	DPM/100 cm^2	019
05 -02	BUILDING 6, SECOND FLOOR	60	108.700	173.800	175.267	0.84	DPM/100 cm^2	019
06 -01	BUILDING 6A	86	31.600	141.700	142.531	0.59	DPM/100 cm^2	014
06 -02	BUILDING 6A	67	-19.300	230.600	232.340	0.75	DPM/100 cm^2	014
06 -03	BUILDING 6A	60	-1.000	184.400	185.956	0.84	DPM/100 cm^2	014
07 -01	BUILDING 7, FIRST FLOOR	70	9.500	118.500	119.356	0.72	DPM/100 cm^2	012
07 -02	BUILDING 7, FIRST FLOOR	60	-6.500	153.200	154.493	0.84	DPM/100 cm^2	012
07 -03	BUILDING 7, FIRST FLOOR	70	-201.300	119.300	120.161	0.72	DPM/100 cm^2	012
07 -04	BUILDING 7, FIRST FLOOR	60	123.500	137.200	138.358	0.84	DPM/100 cm^2	012

TABLE B1
COMPARISON OF STANDARD DEVIATION CALCULATIONS

LOCATION CODE	LOCATION DESCRIPTION	NUMBER OF SURVEY POINTS	AVERAGE VALUE	STANDARD DEVIATION ("n" method)	STANDARD DEVIATION ("n-1" method)	PERCENT DIFFERENCE	UNITS FOR ALL VALUES	REPORT NUMBER
07 -05	BUILDING 7, FIRST FLOOR	61	-31.200	107.200	108.090	0.83	DPM/100 cm^2	012
07 -06	BUILDING 7, FIRST FLOOR	67	92.900	135.100	136.120	0.75	DPM/100 cm^2	012
08 -01	BUILDING 8A, FIRST FLOOR	99	-29.000	139.700	140.411	0.51	DPM/100 cm^2	035
08 -02	BUILDING 8A, FIRST FLOOR	76	-77.000	154.200	155.225	0.66	DPM/100 cm^2	035
08 -03	BUILDING 8A, FIRST FLOOR	63	104.800	350.800	353.618	0.80	DPM/100 cm^2	035
08 -04	BUILDING 8A, FIRST FLOOR	61	-5.200	138.300	139.448	0.83	DPM/100 cm^2	035
08 -05	BUILDING 8A, FIRST FLOOR	73	-53.700	175.000	176.211	0.69	DPM/100 cm^2	035
08 -06	BUILDING 8A, FIRST FLOOR, SPECIAL GRIDS	415	14.400	76.300	76.392	0.12	DPM/100 cm^2	035
09 -01	BUILDING 9, PIT	113	14.080	78.430	78.779	0.44	DPM/100 cm^2	016
10 -01	BUILDING 9, FIRST FLOOR, EXT. STORAGE	30	134.100	136.000	138.325	1.71	DPM/100 cm^2	020
10 -02	BUILDING 9, FIRST FLOOR	68	-31.000	194.700	196.148	0.74	DPM/100 cm^2	020
10 -03	BUILDING 9, FIRST FLOOR	62	-1.300	181.400	182.881	0.82	DPM/100 cm^2	020
10 -04	BUILDING 9, FIRST FLOOR	79	74.900	102.300	102.954	0.64	DPM/100 cm^2	020
10 -05	BUILDING 9, FIRST FLOOR	61	66.000	145.800	147.010	0.83	DPM/100 cm^2	020
10 -06	BUILDING 9, FIRST FLOOR	60	37.600	100.800	101.651	0.84	DPM/100 cm^2	020
10 -08	BUILDING 9, FIRST FLOOR	66	31.500	124.300	125.253	0.77	DPM/100 cm^2	020
10 -09	BUILDING 9, FIRST FLOOR	69	-6.000	118.900	119.771	0.73	DPM/100 cm^2	020
10 -10	BUILDING 9, FIRST FLOOR	61	9.400	132.900	134.003	0.83	DPM/100 cm^2	020
10 -11	BUILDING 9, FIRST FLOOR	62	137.600	201.100	202.742	0.82	DPM/100 cm^2	020
10 -12	BUILDING 9, FIRST FLOOR	64	103.000	212.400	214.079	0.79	DPM/100 cm^2	020
10 -14-1	BUILDING 9 PIPE CHASES - GROUP 1	251	368.900	555.700	556.810	0.20	DPM/100 cm^2	010
10 -14-2	BUILDING 9 PIPE CHASES - GROUP 2	177	234.100	183.300	183.820	0.28	DPM/100 cm^2	010
10 -14-3	BUILDING 9 PIPE CHASES - GROUP 3	92	185.700	76.900	77.321	0.55	DPM/100 cm^2	010
10 -14-4	BUILDING 9 PIPE CHASES - ASSOCIATED PITS	22	225.850	104.400	106.857	2.35	DPM/100 cm^2	010
11 -01	HYDROGEN FACILITY	98	83.200	227.200	228.368	0.51	DPM/100 cm^2	033
14 -01	BUILDING 4, BASEMENT	29	-136.300	279.200	284.142	1.77	DPM/100 cm^2	015
14 -02	BUILDING 4, BASEMENT	31	46.300	155.100	157.664	1.65	DPM/100 cm^2	015
15 -01	BUILDING 4, THIRD FLOOR	30	95.700	89.300	90.827	1.71	DPM/100 cm^2	029
16 -01	BUILDING 12, FIRST FLOOR	30	73.300	48.400	49.227	1.71	DPM/100 cm^2	027
27 -01	MONITORED DRAIN LINE PIT BEHIND BLDG. 5	20	-191.350	196.530	201.636	2.60	DPM/100 cm^2	008
28A-01	BUILDING 4, FIRST FLOOR	48	-218.900	635.500	642.225	1.06	DPM/100 cm^2	025

TABLE B1
COMPARISON OF STANDARD DEVIATION CALCULATIONS

LOCATION CODE	LOCATION DESCRIPTION	NUMBER OF SURVEY POINTS	AVERAGE VALUE	STANDARD DEVIATION ("n" method)	STANDARD DEVIATION ("n-1" method)	PERCENT DIFFERENCE	UNITS FOR ALL VALUES	REPORT NUMBER
28A-02	BUILDING 4, SECOND FLOOR	32	94.800	359.800	365.557	1.60	DPM/100 cm^2	025
28B-01	BUILDING 5, FOURTH FLOOR	30	40.400	45.100	45.871	1.71	DPM/100 cm^2	030
28C-01	BUILDING 5A	30	78.400	79.300	80.656	1.71	DPM/100 cm^2	026
28D-01	BUILDING 7, SECOND FLOOR	30	36.300	86.500	87.979	1.71	DPM/100 cm^2	013
28E-01	BUILDING 8	52	-55.600	294.800	297.676	0.98	DPM/100 cm^2	011
28F-01	BUILDING 8A, SECOND FLOOR	36	642.200	530.500	538.025	1.42	DPM/100 cm^2	032
28G-01	BUILDING 9, SECOND FLOOR	36	67.300	81.400	82.555	1.42	DPM/100 cm^2	022
28H-01	BUILDING 10, FIRST FLOOR	35	110.800	115.400	117.085	1.46	DPM/100 cm^2	021
28H-02	BUILDING 10, SECOND FLOOR	32	63.900	90.800	92.253	1.60	DPM/100 cm^2	021
28I-01	BUILDING 11, FIRST FLOOR	36	16.300	42.800	43.407	1.42	DPM/100 cm^2	018
28I-02	BUILDING 11, SECOND FLOOR	36	379.000	373.500	378.798	1.42	DPM/100 cm^2	018
28J-01	FIREHALL	30	208.600	171.100	174.025	1.71	DPM/100 cm^2	031
28K-01	INCINERATOR BUILDING	18	2.260	16.800	17.287	2.90	DPM/100 cm^2	005
28K-02	INCINERATOR BLDG. - INSIDE INCINERATOR	12	1921.400	726.280	758.575	4.45	DPM/100 cm^2	005
28L-01	BUILDING 12, SECOND FLOOR	30	113.600	192.900	196.198	1.71	DPM/100 cm^2	028
29 -01	ROOF SURFACE FOR BLDG 5	51	189.500	529.100	534.365	1.00	DPM/100 cm^2	038
29 -02	ROOF SURFACE FOR BLDGS 6,7&8	31	-235.800	305.800	310.855	1.65	DPM/100 cm^2	038
29 -03	ROOF SURFACE FOR BLDG 8A	45	482.700	232.600	235.228	1.13	DPM/100 cm^2	038
29 -04	ROOF SURFACE FOR BLDG 9	34	322.500	185.000	187.782	1.50	DPM/100 cm^2	038
29 -05	ROOF SURFACE FOR HYDROGEN FACILITY	30	1299.000	482.800	491.054	1.71	DPM/100 cm^2	038
29 -06	ROOF SURFACE FOR BLDGS 4,10,11,&FIREHALL	37	157.900	327.200	331.713	1.38	DPM/100 cm^2	038
29 -07	ROOF VENTS FOR BLDG 5	49	-470.400	316.300	319.578	1.04	DPM/100 cm^2	038
29 -08	ROOF VENTS FOR BLDGS 6,7,&8A	22	148.400	192.500	197.030	2.35	DPM/100 cm^2	038
29 -09	ROOF VENTS FOR BLDGS 9 & HYDROGEN FAC.	49	-46.900	358.200	361.912	1.04	DPM/100 cm^2	038
29 -10	ROOF VENTS FOR BLDGS 4,8,10,11& FIREHALL	36	-200.700	442.000	448.270	1.42	DPM/100 cm^2	038
** Subtotal **		5182						
** SURVEY TYPE = REMOVABLE ALPHA SMEAR SURVEY AT SURVEY POINT								
01 -01	BUILDING 5, FIRST FLOOR	74	-0.160	0.920	0.926	0.65	DPM/100 cm^2	034
01 -03	BUILDING 5, FIRST FLOOR	69	0.010	1.360	1.370	0.74	DPM/100 cm^2	034

TABLE B1
COMPARISON OF STANDARD DEVIATION CALCULATIONS

LOCATION CODE	LOCATION DESCRIPTION	NUMBER OF SURVEY POINTS	AVERAGE VALUE	STANDARD DEVIATION ("n" method)	STANDARD DEVIATION ("n-1" method)	PERCENT DIFFERENCE	UNITS FOR ALL VALUES	REPORT NUMBER
01 -04	BUILDING 5, FIRST FLOOR	71	0.040	1.450	1.460	0.69	DPM/100 cm^2	034
01 -06	BUILDING 5, FIRST FLOOR	35	-0.190	0.440	0.446	1.36	DPM/100 cm^2	034
01 -07	BUILDING 5, FIRST FLOOR	30	0.120	1.470	1.495	1.70	DPM/100 cm^2	034
01 -08	BUILDING 5, FIRST FLOOR	65	0.220	1.690	1.703	0.77	DPM/100 cm^2	034
01 -09	BUILDING 5, FIRST FLOOR	63	0.740	5.440	5.484	0.81	DPM/100 cm^2	034
01 -10	BUILDING 5, FIRST FLOOR	37	0.070	1.330	1.348	1.35	DPM/100 cm^2	034
01 -13	BUILDING 5, FIRST FLOOR	31	0.170	1.970	2.003	1.68	DPM/100 cm^2	034
01 -14	BUILDING 5, UPPER SURFACES, UNITS 6 & 10	60	0.270	2.000	2.017	0.85	DPM/100 cm^2	034
02 -01	BUILDING 5, SECOND FLOOR	62	0.160	1.710	1.724	0.82	DPM/100 cm^2	023
02 -02	BUILDING 5, SECOND FLOOR	64	0.650	2.500	2.520	0.80	DPM/100 cm^2	023
02 -03	BUILDING 5, SECOND FLOOR	30	-0.260	0.000	0.000	0.00	DPM/100 cm^2	023
02 -04	BUILDING 5, SECOND FLOOR	61	-0.140	0.990	0.998	0.81	DPM/100 cm^2	023
03 -01	BUILDING 5, THIRD FLOOR	64	-0.220	0.330	0.333	0.91	DPM/100 cm^2	024
04 -01	BUILDING 6, FIRST FLOOR	71	-0.040	1.320	1.329	0.68	DPM/100 cm^2	017
04 -02	BUILDING 6, FIRST FLOOR	64	-0.100	1.040	1.048	0.77	DPM/100 cm^2	017
04 -03	BUILDING 6, FIRST FLOOR	63	-0.140	1.000	1.008	0.80	DPM/100 cm^2	017
04 -04	BUILDING 6, FIRST FLOOR	67	-0.260	0.010	0.010	0.00	DPM/100 cm^2	017
04 -05	BUILDING 6, FIRST FLOOR	91	0.020	1.410	1.418	0.57	DPM/100 cm^2	017
04 -06	BUILDING 6, VENTILATION SYSTEMS	9	0.600	2.440	2.588	6.07	DPM/100 cm^2	017
05 -01	BUILDING 6, SECOND FLOOR	74	-0.040	0.950	0.956	0.63	DPM/100 cm^2	019
05 -02	BUILDING 6, SECOND FLOOR	60	0.690	2.880	2.904	0.83	DPM/100 cm^2	019
06 -01	BUILDING 6A	86	0.230	1.730	1.740	0.58	DPM/100 cm^2	014
06 -02	BUILDING 6A	72	0.300	1.970	1.984	0.71	DPM/100 cm^2	014
06 -03	BUILDING 6A	60	0.120	1.970	1.987	0.86	DPM/100 cm^2	014
07 -01	BUILDING 7, FIRST FLOOR	70	-0.030	1.670	1.682	0.72	DPM/100 cm^2	012
07 -02	BUILDING 7, FIRST FLOOR	60	0.260	1.670	1.684	0.84	DPM/100 cm^2	012
07 -03	BUILDING 7, FIRST FLOOR	70	-0.040	1.670	1.682	0.72	DPM/100 cm^2	012
07 -04	BUILDING 7, FIRST FLOOR	60	0.120	1.370	1.382	0.88	DPM/100 cm^2	012
07 -05	BUILDING 7, FIRST FLOOR	61	0.250	1.370	1.381	0.80	DPM/100 cm^2	012
07 -06	BUILDING 7, FIRST FLOOR	57	-0.150	1.370	1.380	0.73	DPM/100 cm^2	012
08 -01	BUILDING 8A, FIRST FLOOR	99	0.080	1.560	1.568	0.51	DPM/100 cm^2	035

TABLE 81
COMPARISON OF STANDARD DEVIATION CALCULATIONS

LOCATION CODE	LOCATION DESCRIPTION	NUMBER OF SURVEY POINTS	AVERAGE VALUE	STANDARD DEVIATION ("n" method)	STANDARD DEVIATION ("n-1" method)	PERCENT DIFFERENCE	UNITS FOR ALL VALUES	REPORT NUMBER
08 -02	BUILDING 8A, FIRST FLOOR	76	0.150	1.660	1.671	0.66	DPM/100 cm^2	035
08 -03	BUILDING 8A, FIRST FLOOR	63	-0.200	0.330	0.333	0.91	DPM/100 cm^2	035
08 -04	BUILDING 8A, FIRST FLOOR	61	-0.010	1.380	1.391	0.80	DPM/100 cm^2	035
08 -05	BUILDING 8A, FIRST FLOOR	73	0.720	2.700	2.719	0.70	DPM/100 cm^2	035
08 -06	BUILDING 8A, FIRST FLOOR, SPECIAL GRIDS	83	0.330	0.780	0.785	0.64	DPM/100 cm^2	035
09 -01	BUILDING 9, PIT	60	0.770	3.120	3.146	0.83	DPM/100 cm^2	016
09 -01	BUILDING 9, PIT	54	0.170	2.340	2.362	0.94	DPM/100 cm^2	016
10 -01	BUILDING 9, FIRST FLOOR, EXT. STORAGE	30	-0.260	0.000	0.000	0.00	DPM/100 cm^2	020
10 -02	BUILDING 9, FIRST FLOOR	68	0.330	1.910	1.924	0.73	DPM/100 cm^2	020
10 -03	BUILDING 9, FIRST FLOOR	62	0.900	2.740	2.762	0.80	DPM/100 cm^2	020
10 -04	BUILDING 9, FIRST FLOOR	79	0.000	1.270	1.278	0.63	DPM/100 cm^2	020
10 -05	BUILDING 9, FIRST FLOOR	61	0.050	1.400	1.412	0.86	DPM/100 cm^2	020
10 -06	BUILDING 9, FIRST FLOOR	60	0.320	1.950	1.966	0.82	DPM/100 cm^2	020
10 -08	BUILDING 9, FIRST FLOOR	66	-0.200	0.060	0.060	0.00	DPM/100 cm^2	020
10 -09	BUILDING 9, FIRST FLOOR	69	0.100	1.430	1.440	0.70	DPM/100 cm^2	020
10 -10	BUILDING 9, FIRST FLOOR	61	0.360	2.010	2.027	0.85	DPM/100 cm^2	020
10 -11	BUILDING 9, FIRST FLOOR	62	0.030	1.080	1.089	0.83	DPM/100 cm^2	020
10 -12	BUILDING 9, FIRST FLOOR	64	0.170	1.690	1.703	0.77	DPM/100 cm^2	020
10 -14-1	BUILDING 9 PIPE CHASES - GROUP 1	251	0.760	3.040	3.046	0.20	DPM/100 cm^2	010
10 -14-2	BUILDING 9 PIPE CHASES - GROUP 2	177	0.800	6.100	6.117	0.28	DPM/100 cm^2	010
10 -14-3	BUILDING 9 PIPE CHASES - GROUP 3	92	0.280	1.410	1.418	0.57	DPM/100 cm^2	010
10 -14-4	BUILDING 9 PIPE CHASES - ASSOCIATED PITS	22	-0.180	0.140	0.143	2.14	DPM/100 cm^2	010
11 -01	HYDROGEN FACILITY	94	-0.090	1.200	1.206	0.50	DPM/100 cm^2	033
14 -01	BUILDING 4, BASEMENT	29	0.140	1.490	1.516	1.74	DPM/100 cm^2	015
14 -02	BUILDING 4, BASEMENT	31	0.120	1.450	1.474	1.66	DPM/100 cm^2	015
15 -01	BUILDING 4, THIRD FLOOR	30	-0.260	0.000	0.000	0.00	DPM/100 cm^2	029
16 -01	BUILDING 12, FIRST FLOOR	30	0.250	1.940	1.973	1.70	DPM/100 cm^2	027
27 -01	MONITORED DRAIN LINE PIT BEHIND BLDG. 5	20	-0.150	0.920	0.944	2.61	DPM/100 cm^2	008
28A-01	BUILDING 4, FIRST FLOOR	48	-0.100	1.110	1.122	1.08	DPM/100 cm^2	025
28A-02	BUILDING 4, SECOND FLOOR	32	0.320	1.970	2.002	1.62	DPM/100 cm^2	025
28B-01	BUILDING 5, FOURTH FLOOR	30	0.260	1.970	2.004	1.73	DPM/100 cm^2	030

TABLE B1
COMPARISON OF STANDARD DEVIATION CALCULATIONS

LOCATION CODE	LOCATION DESCRIPTION	NUMBER OF SURVEY POINTS	AVERAGE VALUE	STANDARD DEVIATION ("n" method)	STANDARD DEVIATION ("n-1" method)	PERCENT DIFFERENCE	UNITS FOR ALL VALUES	REPORT NUMBER
28C-01	BUILDING 5A	30	0.000	1.440	1.465	1.74	DPM/100 cm^2	026
28D-01	BUILDING 7, SECOND FLOOR	30	0.120	1.470	1.495	1.70	DPM/100 cm^2	013
28E-01	BUILDING 8	52	0.000	1.090	1.101	1.01	DPM/100 cm^2	011
28F-01	BUILDING 8A, SECOND FLOOR	36	-0.260	0.000	0.000	0.00	DPM/100 cm^2	032
28G-01	BUILDING 9, SECOND FLOOR	36	-0.110	0.870	0.882	1.38	DPM/100 cm^2	022
28H-01	BUILDING 10, FIRST FLOOR	35	0.030	1.350	1.370	1.48	DPM/100 cm^2	021
28H-02	BUILDING 10, SECOND FLOOR	32	-0.260	0.000	0.000	0.00	DPM/100 cm^2	021
28I-01	BUILDING 11, FIRST FLOOR	36	-0.040	1.320	1.339	1.44	DPM/100 cm^2	018
28I-02	BUILDING 11, SECOND FLOOR	36	-0.050	1.280	1.298	1.41	DPM/100 cm^2	018
28J-01	FIREHALL	30	-0.260	0.000	0.000	0.00	DPM/100 cm^2	031
28K-01	INCINERATOR BUILDING	18	-0.140	0.700	0.720	2.86	DPM/100 cm^2	005
28K-02	INCINERATOR BLDG. - INSIDE INCINERATOR	12	-0.050	0.850	0.888	4.47	DPM/100 cm^2	005
28K-03	INCINERATOR BUILDING - INSIDE CHIMNEY	8	0.190	0.890	0.951	6.85	DPM/100 cm^2	005
28L-01	BUILDING 12, SECOND FLOOR	30	-0.010	1.390	1.414	1.73	DPM/100 cm^2	028
29 -01	ROOF SURFACE FOR BLDG 5	51	0.050	1.490	1.505	1.01	DPM/100 cm^2	038
29 -02	ROOF SURFACE FOR BLDGS 6,7&8	31	1.950	2.870	2.917	1.64	DPM/100 cm^2	038
29 -03	ROOF SURFACE FOR BLDG 8A	45	0.000	1.440	1.456	1.11	DPM/100 cm^2	038
29 -04	ROOF SURFACE FOR BLDG 9	34	-0.310	0.000	0.000	0.00	DPM/100 cm^2	038
29 -05	ROOF SURFACE FOR HYDROGEN FACILITY	30	0.310	1.800	1.831	1.72	DPM/100 cm^2	038
29 -06	ROOF SURFACE FOR BLDGS 4,10,11,&FIREHALL	37	0.450	2.190	2.220	1.37	DPM/100 cm^2	038
29 -07	ROOF VENTS FOR BLDG 5	49	-0.170	0.970	0.980	1.03	DPM/100 cm^2	038
29 -08	ROOF VENTS FOR BLDGS 6,7,&8A	39	-0.250	0.370	0.375	1.35	DPM/100 cm^2	038
29 -09	ROOF VENTS FOR BLDGS 9 & HYDROGEN FAC.	49	-0.170	0.990	1.000	1.01	DPM/100 cm^2	038
29 -10	ROOF VENTS FOR BLDGS 4,8,10,11& FIREHALL	36	-0.310	0.000	0.000	0.00	DPM/100 cm^2	038
** Subtotal **		4880						
** SURVEY TYPE = REMOVABLE BETA SMEAR SURVEY AT SURVEY POINT								
01 -01	BUILDING 5, FIRST FLOOR	74	0.380	4.010	4.037	0.67	DPM/100 cm^2	034
01 -03	BUILDING 5, FIRST FLOOR	69	-0.070	4.010	4.039	0.72	DPM/100 cm^2	034
01 -04	BUILDING 5, FIRST FLOOR	71	0.040	3.630	3.656	0.72	DPM/100 cm^2	034

TABLE B1
COMPARISON OF STANDARD DEVIATION CALCULATIONS

LOCATION CODE	LOCATION DESCRIPTION	NUMBER OF SURVEY POINTS	AVERAGE VALUE	STANDARD DEVIATION ("n" method)	STANDARD DEVIATION ("n-1" method)	PERCENT DIFFERENCE	UNITS FOR ALL VALUES	REPORT NUMBER
01 -06	BUILDING 5, FIRST FLOOR	35	-0.090	3.850	3.906	1.45	DPM/100 cm^2	034
01 -07	BUILDING 5, FIRST FLOOR	30	1.640	5.210	5.299	1.71	DPM/100 cm^2	034
01 -08	BUILDING 5, FIRST FLOOR	65	0.530	4.390	4.424	0.77	DPM/100 cm^2	034
01 -09	BUILDING 5, FIRST FLOOR	63	0.740	3.670	3.699	0.79	DPM/100 cm^2	034
01 -10	BUILDING 5, FIRST FLOOR	37	0.800	5.390	5.464	1.37	DPM/100 cm^2	034
01 -14	BUILDING 5, UPPER SURFACES, UNITS 6 & 10	60	0.510	3.380	3.409	0.86	DPM/100 cm^2	034
02 -01	BUILDING 5, SECOND FLOOR	62	-0.080	3.480	3.508	0.80	DPM/100 cm^2	023
02 -02	BUILDING 5, SECOND FLOOR	64	0.070	3.710	3.739	0.78	DPM/100 cm^2	023
02 -03	BUILDING 5, SECOND FLOOR	30	1.290	4.220	4.292	1.71	DPM/100 cm^2	023
02 -04	BUILDING 5, SECOND FLOOR	61	-0.130	3.810	3.842	0.84	DPM/100 cm^2	023
03 -01	BUILDING 5, THIRD FLOOR	64	0.540	4.250	4.284	0.80	DPM/100 cm^2	024
01 -13	BUILDING 5, FIRST FLOOR	31	1.170	4.730	4.808	1.65	DPM/100 cm^2	034
04 -01	BUILDING 6, FIRST FLOOR	71	0.320	4.040	4.069	0.72	DPM/100 cm^2	017
04 -02	BUILDING 6, FIRST FLOOR	64	-0.460	3.450	3.477	0.78	DPM/100 cm^2	017
04 -03	BUILDING 6, FIRST FLOOR	63	-0.370	3.600	3.629	0.81	DPM/100 cm^2	017
04 -04	BUILDING 6, FIRST FLOOR	67	0.640	4.190	4.222	0.76	DPM/100 cm^2	017
04 -05	BUILDING 6, FIRST FLOOR	91	0.950	4.490	4.515	0.56	DPM/100 cm^2	017
04 -06	BUILDING 6, VENTILATION SYSTEMS	9	0.150	4.060	4.306	6.06	DPM/100 cm^2	017
05 -01	BUILDING 6, SECOND FLOOR	74	0.060	4.140	4.168	0.68	DPM/100 cm^2	019
05 -02	BUILDING 6, SECOND FLOOR	60	-0.180	3.270	3.298	0.86	DPM/100 cm^2	019
06 -01	BUILDING 6A	86	0.250	4.410	4.436	0.59	DPM/100 cm^2	014
06 -02	BUILDING 6A	72	0.370	4.840	4.874	0.70	DPM/100 cm^2	014
06 -03	BUILDING 6A	60	0.030	3.930	3.963	0.84	DPM/100 cm^2	014
07 -01	BUILDING 7, FIRST FLOOR	70	-0.340	3.970	3.999	0.73	DPM/100 cm^2	012
07 -02	BUILDING 7, FIRST FLOOR	60	-1.120	3.120	3.146	0.83	DPM/100 cm^2	012
07 -03	BUILDING 7, FIRST FLOOR	70	-0.130	3.770	3.797	0.72	DPM/100 cm^2	012
07 -04	BUILDING 7, FIRST FLOOR	60	-0.200	3.890	3.923	0.85	DPM/100 cm^2	012
07 -05	BUILDING 7, FIRST FLOOR	61	0.360	4.210	4.245	0.83	DPM/100 cm^2	012
07 -06	BUILDING 7, FIRST FLOOR	67	-0.750	3.220	3.244	0.75	DPM/100 cm^2	012
08 -01	BUILDING 8A, FIRST FLOOR	99	0.220	3.970	3.990	0.50	DPM/100 cm^2	035
08 -02	BUILDING 8A, FIRST FLOOR	76	-0.480	3.350	3.372	0.66	DPM/100 cm^2	035

TABLE B1
COMPARISON OF STANDARD DEVIATION CALCULATIONS

LOCATION CODE	LOCATION DESCRIPTION	NUMBER OF SURVEY POINTS	AVERAGE VALUE	STANDARD DEVIATION ("n" method)	STANDARD DEVIATION ("n-1" method)	PERCENT DIFFERENCE	UNITS FOR ALL VALUES	REPORT NUMBER
08 -03	BUILDING 8A, FIRST FLOOR	63	0.980	4.240	4.274	0.80	DPM/100 cm^2	035
08 -04	BUILDING 8A, FIRST FLOOR	61	0.550	3.690	3.721	0.84	DPM/100 cm^2	035
08 -05	BUILDING 8A, FIRST FLOOR	73	-0.590	3.290	3.313	0.70	DPM/100 cm^2	035
08 -06	BUILDING 8A, FIRST FLOOR, SPECIAL GRIDS	83	5.280	8.270	8.320	0.60	DPM/100 cm^2	035
09 -01	BUILDING 9, PIT	60	12.780	44.330	44.704	0.84	DPM/100 cm^2	016
09 -01	BUILDING 9, PIT	54	-0.160	3.530	3.563	0.93	DPM/100 cm^2	016
10 -01	BUILDING 9, FIRST FLOOR, EXT. STORAGE	30	0.110	4.010	4.079	1.72	DPM/100 cm^2	020
10 -02	BUILDING 9, FIRST FLOOR	68	0.290	4.080	4.110	0.74	DPM/100 cm^2	020
10 -03	BUILDING 9, FIRST FLOOR	62	-0.190	4.130	4.164	0.82	DPM/100 cm^2	020
10 -04	BUILDING 9, FIRST FLOOR	79	-0.030	3.580	3.603	0.64	DPM/100 cm^2	020
10 -05	BUILDING 9, FIRST FLOOR	61	-0.680	3.260	3.287	0.83	DPM/100 cm^2	020
10 -06	BUILDING 9, FIRST FLOOR	60	1.440	4.110	4.145	0.85	DPM/100 cm^2	020
10 -08	BUILDING 9, FIRST FLOOR	66	-0.090	3.960	3.990	0.76	DPM/100 cm^2	020
10 -09	BUILDING 9, FIRST FLOOR	69	-0.010	3.380	3.405	0.74	DPM/100 cm^2	020
10 -10	BUILDING 9, FIRST FLOOR	61	0.110	3.700	3.731	0.84	DPM/100 cm^2	020
10 -11	BUILDING 9, FIRST FLOOR	62	0.670	4.380	4.416	0.82	DPM/100 cm^2	020
10 -12	BUILDING 9, FIRST FLOOR	64	1.010	4.440	4.475	0.79	DPM/100 cm^2	020
10 -14-1	BUILDING 9 PIPE CHASES - GROUP 1	251	14.590	32.030	32.094	0.20	DPM/100 cm^2	010
10 -14-2	BUILDING 9 PIPE CHASES - GROUP 2	177	22.020	42.220	42.340	0.28	DPM/100 cm^2	010
10 -14-3	BUILDING 9 PIPE CHASES - GROUP 3	92	23.360	26.340	26.484	0.55	DPM/100 cm^2	010
10 -14-4	BUILDING 9 PIPE CHASES - ASSOCIATED PITS	22	3.660	24.680	25.261	2.35	DPM/100 cm^2	010
11 -01	HYDROGEN FACILITY	94	0.340	3.960	3.981	0.53	DPM/100 cm^2	033
14 -01	BUILDING 4, BASEMENT	29	-0.630	3.280	3.338	1.77	DPM/100 cm^2	015
14 -02	BUILDING 4, BASEMENT	31	0.860	4.230	4.300	1.65	DPM/100 cm^2	015
15 -01	BUILDING 4, THIRD FLOOR	30	0.520	3.740	3.804	1.71	DPM/100 cm^2	029
16 -01	BUILDING 12, FIRST FLOOR	30	-0.890	2.660	2.705	1.69	DPM/100 cm^2	027
27 -01	MONITORED DRAIN LINE PIT BEHIND BLDG. 5	20	15.690	21.300	21.853	2.60	DPM/100 cm^2	008
28A-01	BUILDING 4, FIRST FLOOR	48	0.130	3.660	3.699	1.07	DPM/100 cm^2	025
28A-02	BUILDING 4, SECOND FLOOR	32	0.270	3.200	3.251	1.59	DPM/100 cm^2	025
28B-01	BUILDING 5, FOURTH FLOOR	30	0.180	4.090	4.160	1.71	DPM/100 cm^2	030
28C-01	BUILDING 5A	30	0.180	4.090	4.160	1.71	DPM/100 cm^2	026

TABLE B1
COMPARISON OF STANDARD DEVIATION CALCULATIONS

LOCATION CODE	LOCATION DESCRIPTION	NUMBER OF SURVEY POINTS	AVERAGE VALUE	STANDARD DEVIATION ("n" method)	STANDARD DEVIATION ("n-1" method)	PERCENT DIFFERENCE	UNITS FOR ALL VALUES	REPORT NUMBER
28D-01	BUILDING 7, SECOND FLOOR	30	0.170	4.000	4.068	1.70	DPM/100 cm^2	013
28E-01	BUILDING 8	52	-0.030	4.210	4.251	0.97	DPM/100 cm^2	011
28F-01	BUILDING 8A, SECOND FLOOR	36	0.850	4.110	4.168	1.41	DPM/100 cm^2	032
28G-01	BUILDING 9, SECOND FLOOR	36	0.110	3.140	3.185	1.43	DPM/100 cm^2	022
28H-01	BUILDING 10, FIRST FLOOR	35	0.070	3.850	3.906	1.45	DPM/100 cm^2	021
28H-02	BUILDING 10, SECOND FLOOR	32	-0.230	3.290	3.343	1.61	DPM/100 cm^2	021
28I-01	BUILDING 11, FIRST FLOOR	36	0.990	3.560	3.610	1.40	DPM/100 cm^2	018
28I-02	BUILDING 11, SECOND FLOOR	36	0.160	3.840	3.894	1.41	DPM/100 cm^2	018
28J-01	FIREHALL	30	1.460	4.900	4.984	1.71	DPM/100 cm^2	031
28K-01	INCINERATOR BUILDING	18	-11.490	40.240	41.407	2.90	DPM/100 cm^2	005
28K-02	INCINERATOR BLDG. - INSIDE INCINERATOR	12	-38.930	53.460	55.837	4.45	DPM/100 cm^2	005
28K-03	INCINERATOR BUILDING - INSIDE CHIMNEY	8	2.720	2.420	2.587	6.90	DPM/100 cm^2	005
28L-01	BUILDING 12, SECOND FLOOR	30	0.100	3.330	3.387	1.71	DPM/100 cm^2	028
29 -01	ROOF SURFACE FOR BLDG 5	51	0.750	3.930	3.969	0.99	DPM/100 cm^2	038
29 -02	ROOF SURFACE FOR BLDGS 6,7&8	31	7.170	7.780	7.909	1.66	DPM/100 cm^2	038
29 -03	ROOF SURFACE FOR BLDG 8A	45	-0.340	3.510	3.550	1.14	DPM/100 cm^2	038
29 -04	ROOF SURFACE FOR BLDG 9	34	-0.290	3.640	3.695	1.51	DPM/100 cm^2	038
29 -05	ROOF SURFACE FOR HYDROGEN FACILITY	30	-0.010	3.720	3.784	1.72	DPM/100 cm^2	038
29 -06	ROOF SURFACE FOR BLDGS 4,10,11,&FIREHALL	37	0.340	4.150	4.207	1.37	DPM/100 cm^2	038
29 -07	ROOF VENTS FOR BLDG 5	49	-0.550	3.170	3.203	1.04	DPM/100 cm^2	038
29 -08	ROOF VENTS FOR BLDGS 6,7,&8A	39	0.030	3.220	3.262	1.30	DPM/100 cm^2	038
29 -09	ROOF VENTS FOR BLDGS 9 & HYDROGEN FAC.	49	-0.800	3.330	3.365	1.05	DPM/100 cm^2	038
29 -10	ROOF VENTS FOR BLDGS 4,8,10,11& FIREHALL	36	0.430	3.650	3.702	1.42	DPM/100 cm^2	038
** Subtotal **		4880						
** SURVEY TYPE = MAXIMUM - ALPHA SCAN OF SURFACE NEAR SURVEY POINT								
09 -01	BUILDING 9, PIT	60	32.600	60.100	60.607	0.84	DPM/100 cm^2	016
27 -01	MONITORED DRAIN LINE PIT BEHIND BLDG. 5	20	-40.040	3.950	4.053	2.61	DPM/100 cm^2	008
** Subtotal **		80						

TABLE B1
COMPARISON OF STANDARD DEVIATION CALCULATIONS

LOCATION CODE	LOCATION DESCRIPTION	NUMBER OF SURVEY POINTS	AVERAGE VALUE	STANDARD DEVIATION ("n" method)	STANDARD DEVIATION ("n-1" method)	PERCENT DIFFERENCE	UNITS FOR ALL VALUES	REPORT NUMBER
** SURVEY TYPE = AVERAGE - ALPHA SCAN OF SURFACE NEAR SURVEY POINT								
09 -01	BUILDING 9, PIT	60	5.000	44.000	44.371	0.84	DPM/100 cm^2	016
27 -01	MONITORED DRAIN LINE PIT BEHIND BLDG. 5	20	-42.070	1.810	1.857	2.60	DPM/100 cm^2	008
** Subtotal **		80						
*** Total ***		35170						