DEFENSE LOGISTICS AGENCY
DEFENSE NATIONAL STOCKPILE CENTER
8725 JOHN J. KINGMAN ROAD
FORT BELVOIR, VIRGINIA 22060-6223

IN REPLY
REFER TO

JUL 2 7 2009

DNSC-ME

U.S. Nuclear Regulatory Commission
Region I, Nuclear Materials Safety Branch
Division of Nuclear Materials Safety
ATTN: Ms. Betsy Ullrich
475 Allendale Road
King of Prussia, PA 19406-1415

J-6
MS-16

RECEIVED
REGION 1
2009 JUL 28 PM 1: 25

Re: License STC-133 04000341

Subject: Response to U.S. Nuclear Regulatory Commission Region I Letter of June 9, 2009: Defense Logistics Agency, Request for Additional Information Concerning Application for Amendment to License, Control No. 143447

Dear Ms. Ullrich:

The Defense National Stockpile Center (DNSC) herein provides, for the NRC's consideration answers to the requests in your above subject letter:

Request 1:

You stated in your response to question number 6, that you used Ludlum Model 43-37 detectors with an active area of 582 cm^2. This response is acceptable for those survey units that were evaluated with Ludlum Model 43-37 detectors. However, this only applies to the surveys performed with survey instrument 3, 4, 10, and 11. The survey units that were measured with survey instrument numbers 7, 5, 8, or 9 were measured with a 125 or 126 cm^2 detector and does not compensate for using a surface efficiency value of 0.25 for alpha. Please adjust all of your alpha measurements and re-evaluate the survey units that did not use an active area of 582 cm^2 detector.

As requested, the direct surface activity measurements obtained with 125 or 126 cm^2 detectors (Ludlum Model 43-89 or 43-68 detectors) were adjusted by re-calculating the detection efficiency as suggested in International Standard ISO 7503-1, *Evaluation of surface contamination – Part 1: Beta-emitters (maximum beta energy greater than 0.15 MeV) and alpha-emitters*. As indicated in this standard, the total detection efficiency is the product of the

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NMSS/RGN1 MATERIALS-002

instrument efficiency (ε_i), which is calculated using the calibration source surface emission rate, and the efficiency of the contamination source (ε_s). ISO 7503-1 suggests an ε_s value 0.25 for alpha-emitting radionuclides in the absence of more precisely known values. Since a more precise value for ε_s has not been determined, the ISO 7503-1 default of 0.25 was applied. The adjusted individual measurement results for each survey unit subject to this response, as well as the conclusions based on the statistical tests if applicable are provided in Attachment 1.

As indicated in Attachment 1, the conclusions for all survey units requiring systematic or random direct surface activity measurements using the adjusted measurement results remain unchanged with the exception of Survey Unit 7A, the paved road to the rail scale. Using the recalculated total efficiency, a single direct surface activity measurement in Survey Unit 7A (of 20 measurement results) appears to exceed the applied $DCGL_w$ of 100 apha dpm/100 cm^2. However, upon further evaluation of the data, a material background value for asphalt with the detector used was not obtained. As an initial conservative approach in the original calculations which lacked this specific background information, the most conservative material background value for this detector was applied (4 counts per minute [cpm]), which was obtained on linoleum. This is obviously not representative of the background count rate due to asphalt. If the 19 measurement results obtained within this survey unit that were not in excess of the $DCGL_w$ are assumed indicative of the material background for asphalt with this detector, the result is 8.8 cpm. This is in line with material background values for brick, concrete block, concrete, and even wood, using this detector. With a more representative material background value applied, this single measurement result is below the $DCGL_w$.

Of the numerous biased direct surface activity measurements obtained during Final Status Survey, the re-calculated results in Attachment 1 indicate that a total of 7 measurement results appear to exceed the applied $DCGL_w$. These results are associated with Survey Units 213W-B (4 of 41 biased direct surface activity measurements), 215W-B (1 of 28 biased direct surface activity measurements) and 215B-B (2 of 36 biased direct surface activity measurements). All survey units were determined to be MARSSIM Class 3. Although Class 3 structure survey units do not typically require measurements other than floors and lower walls, these additional measurements of wall surfaces and overhead structures (wooden beams) were included for completeness. It is important to note that the floor of Buildings 213 and 215 had the greatest possibility of residual surface activity. However, the direct activity measurement results for floor surfaces in both structures did not indicate residual surface activity in excess of a small fraction of the $DCGL_w$. Buildings 213 and 215 are no longer used and except for the time period during performance of Final Status Survey remain closed. As a result, there was a concern regarding the buildup of radon and radon progeny within the structures that could interfere with the Final Status Survey measurements. Although care was exercised during performance of these surveys to minimize the impact of radon and associated alpha particle emitting radon progeny by opening the structures to allow natural air circulation prior to and during performance of surveys, it is very possible the 7 elevated adjusted direct surface activity

measurement results in these 2 structures are associated with radon and radon progeny on these surfaces.

Request 2:

The removable surface activity survey did not appear to account for alpha self-absorption factor for counting the wipes. Please justify the self-absorption factor of 1.0 or adjust the results of the wipe tests and evaluate.

As requested, the total efficiency for the instruments used to analyze smears (wipes) for removable surface contamination have been determined using the same method as that indicted in response to Question 1 and the results re-calculated. These are provided in Attachment 2.

Although MARSSIM does reference the need to measure removable contamination (refer to MARSSIM Section 5.5.3.1) it does not contain instructions regarding what is done with the results obtained other than what is contained in Section 8.5.4. In general, the results of removable activity measurements are used to validate the removable fraction specified in the model that is used to generate the $DCGL_w$. The $DCGL_w$ applied to the structure surfaces are based on the surface activity screening values published in NUREG-5512. Since the screening values are based on a removable fraction of 0.1, a value of 0.1 times the applicable surface activity $DCGL_w$ was used to evaluate the results of the removable activity measurements. Although these values are specified as "limits," they are not truly limits since the results of smear samples are not used to demonstrate compliance as indicated in MARSSIM Section 8.5.4. The validity of the removable fraction should not be based on individual measurement results, but the overall removable radioactivity within a survey unit as indicated by the mean of the measurement results. Since the adjusted removable radioactivity mean results within all survey units do not indicate a removable fraction in excess of 0.1 times the applicable $DCGL_w$, the original conclusions regarding the survey units remains unchanged.

We would greatly appreciate the NRC completing the review of the final status survey report we submitted on February 24, 2009, and this new documentation, and provide concurrence that the site may be released from License STC-133.

Should you have any questions regarding this letter, please contact me. You may also call Mr. Michael Lambert, CHP, of Cabrera Services at (724) 980-2762.

Sincerely,

Michael J. Pecullan

Michael J. Pecullan
Radiation Safety Officer

Attachment 1

Adjusted Direct Surface Activity Measurements

Survey Unit 124-F-S

Survey Date:	11/14/2006
Building:	124
MARSSIM Class:	3
SU $DCGL_w$ (dpm/100cm^2):	100

Instrument Number	Instrument/Probe Models	Instrument S/N	Probe S/N	Alpha Efficiency[1]	Probe Active Area (cm^2)
7	2224-1/43-89	162420	PR171381	8.82%	125
8	2224/43-68	116257	PR122018	9.21%	126
9	2224/43-68	183048	PR161781	7.04%	126
10	2360/43-37	184938	PR178371	6.56%	582
11	2221/43-37	86286	PR092501	7.86%	582

Static Count Time (min):	1.0
Daily BKGD Count Time (min):	1.0

SU Description: Floor

Sample ID	Sample Type[2]	Instrument Number	Sample Location[3]	Surface Material[4]	Alpha Counts (gross cpm)	Material Specific Background[5] (cpm)	Net Fixed-Point Result (net cpm)	Alpha Residual Surface Activity (dpm/100cm^2)	Alpha Sign Test Parameter[6]
124-F-1	R	7	F	W	5	7.6	-2.6	-23.6	1
124-F-2	R	7	F	BC	8	10.8	-2.8	-25.4	1
124-F-3	R	7	F	BC	6	10.8	-4.8	-43.6	1
124-F-4	R	7	F	BC	9	10.8	-1.8	-16.3	1
124-F-5	R	7	F	BC	5	10.8	-5.8	-52.6	1
124-F-6	R	7	F	BC	8	10.8	-2.8	-25.4	1
124-F-7	R	7	F	BC	3	10.8	-7.8	-70.8	1
124-F-8	R	7	F	BC	3	10.8	-7.8	-70.8	1
124-F-9	R	7	F	BC	9	10.8	-1.8	-16.3	1
124-F-10	R	7	F	BC	6	10.8	-4.8	-43.6	1
124-F-11	R	7	F	BC	10	10.8	-0.8	-7.3	1
124-F-12	R	7	F	W	1	7.6	-6.6	-59.9	1
124-F-13	R	7	F	BC	5	10.8	-5.8	-52.6	1
124-F-14	R	7	F	BC	11	10.8	0.2	1.8	1
124-F-15	R	7	F	BC	9	10.8	-1.8	-16.3	1
124-F-16	R	7	F	BC	4	10.8	-6.8	-61.7	1
124-F-17	R	7	F	BC	5	10.8	-5.8	-52.6	1

Mean	**-37.5**	
Median	**-43.6**	
Minimum	**-70.8**	
Maximum	**1.8**	
Std Dev (1s)	**22.8**	
MARSSIM Sign Test Required?		**YES**
MARSSIM SIGN TEST EVALUATION		
Sum of Positive Signs		**17**
Sign Test Critical Value n=	**17**	**12**
Null Hypothesis Evaluation		***Rejected***

NOTES:

1. Instrument Efficiency Calculated Using Methodology in ISO 7503-1
2. Sample Type: S = Systematic R = Random B = Biased
3. F = Floor W = Wall C = Ceiling B = Beam
4. Surface Materials: BC (Bare Concrete), PC (Painted Concrete), BCB (Bare Cinder Block), BCFT (Bare Ceramic Floor Tile), W (Wood), FB (Fiber Board), RB (Red Brick), M (Metal), O (Other)
5. Average of background readings collected in unimpacted areas for each building surface encountered during FSS
6. MARSSIM Sign Test parameter. If Result > DCGLw, Sign = -1, otherwise 1.

Survey Unit 124-F-B

Survey Date:	11/2/2006
Building:	124
MARSSIM Class:	3
SU $DCGL_w$ (dpm/100cm^2):	100

Instrument Number	Instrument/Probe Models	Instrument S/N	Probe S/N	Alpha Efficiency[1]	Probe Active Area (cm^2)
7	2224-1/43-89	162420	PR171381	8.82%	125
8	2224/43-68	116257	PR122018	9.21%	126
9	2224/43-68	183048	PR161781	7.04%	126
10	2360/43-37	184938	PR178371	6.56%	582
11	2221/43-37	86286	PR092501	7.86%	582

Static Count Time (min):	1.0
Daily BKGD Count Time (min):	1.0

SU Description: Floor

Sample ID	Sample Type[2]	Instrument Number	Sample Location[3]	Surface Material[4]	Alpha Counts (gross cpm)	Material Specific Background[5] (cpm)	Net Fixed-Point Result (net cpm)	Alpha Residual Surface Activity (dpm/100cm^2)	Alpha Sign Test Parameter
Shrinkwrapping Area Inside #1	B	7	F	BC	12	10.8	1.2	10.9	N/A
Shrinkwrapping Area Inside #2	B	7	F	BC	16	10.8	5.2	47.2	N/A
Shrinkwrapping Area Inside #3	B	7	F	BC	8	10.8	-2.8	-25.4	N/A
Shrinkwrapping Area Inside #4	B	7	F	BC	11	10.8	0.2	1.8	N/A
Shrinkwrapping Area Inside #5	B	7	F	BC	6	10.8	-4.8	-43.6	N/A
Shrinkwrapping Area Inside #6	B	7	F	BC	9	10.8	-1.8	-16.3	N/A
Shrinkwrapping Area Inside #7	B	7	F	BC	10	10.8	-0.8	-7.3	N/A
Shrinkwrapping Area Inside #8	B	7	F	BC	6	10.8	-4.8	-43.6	N/A
Shrinkwrapping Area Inside #9	B	7	F	BC	5	10.8	-5.8	-52.6	N/A
Shrinkwrapping Area Inside #10	B	7	F	BC	11	10.8	0.2	1.8	N/A
Shrinkwrapping Area Inside #11	B	7	F	BC	8	10.8	-2.8	-25.4	N/A
Shrinkwrapping Area Inside #12	B	7	F	BC	12	10.8	1.2	10.9	N/A
Shrinkwrapping Area Inside #13	B	7	F	BC	1	10.8	-9.8	-88.9	N/A
Shrinkwrapping Area Inside #14	B	7	F	BC	12	10.8	1.2	10.9	N/A
Shrinkwrapping Area Inside #15	B	7	F	BC	6	10.8	-4.8	-43.6	N/A
Shrinkwrapping Area Inside #16	B	7	F	BC	8	10.8	-2.8	-25.4	N/A
Shrinkwrapping Area Inside #17	B	7	F	BC	5	10.8	-5.8	-52.6	N/A
Shrinkwrapping Area Inside #18	B	7	F	BC	9	10.8	-1.8	-16.3	N/A
Shrinkwrapping Area Inside #19	B	7	F	BC	12	10.8	1.2	10.9	N/A
Shrinkwrapping Area Inside #20	B	7	F	BC	5	10.8	-5.8	-52.6	N/A

Mean	**-20.0**	
Median	**-20.9**	
Minimum	**-88.9**	
Maximum	**47.2**	
Std Dev (1s)	**31.8**	
MARSSIM Sign Test Required?		**NO**

NOTES:

1. Instrument Efficiency Calculated Using Methodology in ISO 7503-1
2. Sample Type: S = Systematic R = Random B = Biased
3. F = Floor W = Wall C = Ceiling B = Beam
4. Surface Materials: BC (Bare Concrete), PC (Painted Concrete), BCB (Bare Cinder Block), BCFT (Bare Ceramic Floor Tile), W (Wood), FB (Fiber Board), RB (Red Brick), M (Metal), O (Other)
5. Average of background readings collected in unimpacted areas for each building surface encountered during FSS

Survey Unit 124-W-S

Survey Date:	11/14/2006
Building:	124
MARSSIM Class:	3
SU $DCGL_w$ (dpm/100cm^2):	100

Instrument Number	Instrument/Probe Models	Instrument S/N	Probe S/N	Alpha Efficiency[1]	Probe Active Area (cm^2)
7	2224-1/43-89	162420	PR171381	8.82%	125
8	2224/43-68	116257	PR122018	9.21%	126
9	2224/43-68	183048	PR161781	7.04%	126
10	2360/43-37	184938	PR178371	6.56%	582
11	2221/43-37	86286	PR092501	7.86%	582

SU Description: Lower Wall

Static Count Time (min):	1.0
Daily BKGD Count Time (min):	1.0

Sample ID	Sample Type[2]	Instrument Number	Sample Location[3]	Surface Material[4]	Alpha Counts (gross cpm)	Material Specific Background[5] (cpm)	Net Fixed-Point Result (net cpm)	Alpha Residual Surface Activity (dpm/100cm^2)	Alpha Sign Test Parameter[6]
124-W-1	R	7	W	W	4	7.6	-3.6	-32.7	1
124-W-2	R	7	W	W	4	7.6	-3.6	-32.7	1
124-W-3	R	7	W	W	7	7.6	-0.6	-5.4	1
124-W-4	R	7	W	W	4	7.6	-3.6	-32.7	1
124-W-5	R	7	W	W	5	7.6	-2.6	-23.6	1
124-W-6	R	7	W	W	3	7.6	-4.6	-41.7	1
124-W-7	R	7	W	W	3	7.6	-4.6	-41.7	1
124-W-8	R	7	W	W	4	7.6	-3.6	-32.7	1
124-W-9	R	7	W	W	6	7.6	-1.6	-14.5	1
124-W-10	R	7	W	W	8	7.6	0.4	3.6	1
124-W-11	R	7	W	W	5	7.6	-2.6	-23.6	1
124-W-12	R	7	W	W	3	7.6	-4.6	-41.7	1
124-W-13	R	7	W	W	8	7.6	0.4	3.6	1
124-W-14	R	7	W	W	4	7.6	-3.6	-32.7	1
124-W-15	R	7	W	W	6	7.6	-1.6	-14.5	1
124-W-16	R	7	W	W	4	7.6	-3.6	-32.7	1
124-W-17	R	7	W	W	6	7.6	-1.6	-14.5	1

Mean	**-24.1**	
Median	**-32.7**	
Minimum	**-41.7**	
Maximum	**3.6**	
Std Dev (1s)	**14.9**	
MARSSIM Sign Test Required?		**YES**
MARSSIM SIGN TEST EVALUATION		
Sum of Positive Signs		**17**
Sign Test Critical Value n=	**17**	**12**
Null Hypothesis Evaluation		*Rejected*

NOTES:

1. Instrument Efficiency Calculated Using Methodology in ISO 7503-1
2. Sample Type: S = Systematic R = Random B = Biased
3. F = Floor W = Wall C = Ceiling B = Beam
4. Surface Materials: BC (Bare Concrete), PC (Painted Concrete), BCB (Bare Cinder Block), BCFT (Bare Ceramic Floor Tile), W (Wood), FB (Fiber Board), RB (Red Brick), M (Metal), O (Other)
5. Average of background readings collected in unimpacted areas for each building surface encountered during FSS
6. MARSSIM Sign Test parameter. If Result > DCGLw, Sign = -1, otherwise 1.

Survey Unit 146-F-S

Survey Date:	11/15/2006
Building:	146
MARSSIM Class:	3
SU $DCGL_w$ (dpm/100cm^2):	100

Instrument Number	Instrument/Probe Models	Instrument S/N	Probe S/N	Alpha Efficiency[1]	Probe Active Area (cm^2)
7	2224-1/43-89	162420	PR171381	8.82%	125
8	2224/43-68	116257	PR122018	9.21%	126
9	2224/43-68	183048	PR161781	7.04%	126
10	2360/43-37	184938	PR178371	6.56%	582
11	2221/43-37	86286	PR092501	7.86%	582

SU Description: Floor

Static Count Time (min):	1.0
Daily BKGD Count Time (min):	1.0

Sample ID	Sample Type[2]	Instrument Number	Sample Location[3]	Surface Material[4]	Alpha Counts (gross cpm)	Material Specific Background[5] (cpm)	Net Fixed-Point Result (net cpm)	Alpha Residual Surface Activity (dpm/100cm^2)	Alpha Sign Test Parameter[6]
146-F-1	R	7	F	L	5	4.0	1.0	9.1	1
146-F-2	R	7	F	L	1	4.0	-3.0	-27.2	1
146-F-3	R	7	F	L	8	4.0	4.0	36.3	1
146-F-4	R	7	F	L	9	4.0	5.0	45.4	1
146-F-5	R	7	F	L	2	4.0	-2.0	-18.1	1
146-F-6	R	7	F	L	6	4.0	2.0	18.1	1
146-F-7	R	7	F	L	3	4.0	-1.0	-9.1	1
146-F-8	R	7	F	L	5	4.0	1.0	9.1	1
146-F-9	R	7	F	L	9	4.0	5.0	45.4	1
146-F-10	R	7	F	L	3	4.0	-1.0	-9.1	1
146-F-11	R	7	F	L	9	4.0	5.0	45.4	1
146-F-12	R	7	F	L	7	4.0	3.0	27.2	1
146-F-13	R	7	F	L	5	4.0	1.0	9.1	1
146-F-14	R	7	F	L	7	4.0	3.0	27.2	1
146-F-15	R	7	F	L	4	4.0	0.0	0.0	1
146-F-16	R	7	F	L	6	4.0	2.0	18.1	1
146-F-17	R	7	F	L	3	4.0	-1.0	-9.1	1

Mean	12.8	
Median	9.1	
Minimum	-27.2	
Maximum	45.4	
Std Dev (1s)	22.9	
MARSSIM Sign Test Required?		YES
MARSSIM SIGN TEST EVALUATION		
Sum of Positive Signs		17
Sign Test Critical Value n=	17	12
Null Hypothesis Evaluation		*Rejected*

NOTES:

1. Instrument Efficiency Calculated Using Methodology in ISO 7503-1
2. Sample Type: S = Systematic R = Random B = Biased
3. F = Floor W = Wall C = Ceiling B = Beam
4. Surface Materials: BC (Bare Concrete), PC (Painted Concrete), BCB (Bare Cinder Block), BCFT (Bare Ceramic Floor Tile), W (Wood), FB (Fiber Board), RB (Red Brick), M (Metal), O (Other)
5. Average of background readings collected in unimpacted areas for each building surface encountered during FSS
6. MARSSIM Sign Test parameter. If Result > DCGLw, Sign = -1, otherwise 1.

Survey Unit 146-W-S

Survey Date:	11/15/2006
Building:	146
MARSSIM Class:	3
SU $DCGL_w$ (dpm/100cm^2):	100

Instrument Number	Instrument/Probe Models	Instrument S/N	Probe S/N	Alpha Efficiency[1]	Probe Active Area (cm^2)
7	2224-1/43-89	162420	PR171381	8.82%	125
8	2224/43-68	116257	PR122018	9.21%	126
9	2224/43-68	183048	PR161781	7.04%	126
10	2360/43-37	184938	PR178371	6.56%	582
11	2221/43-37	86286	PR092501	7.86%	582

Static Count Time (min):	1.0
Daily BKGD Count Time (min):	1.0

SU Description: Lower Wall

Sample ID	Sample Type[2]	Instrument Number	Sample Location[3]	Surface Material[4]	Alpha Counts (gross cpm)	Material Specific Background[5] (cpm)	Net Fixed-Point Result (net cpm)	Alpha Residual Surface Activity (dpm/100cm^2)	Alpha Sign Test Parameter[6]
146-W-1	R	7	W	DW	7	6.0	1.0	9.1	1
146-W-2	R	7	W	DW	11	6.0	5.0	45.4	1
146-W-3	R	7	W	DW	7	6.0	1.0	9.1	1
146-W-4	R	7	W	DW	4	6.0	-2.0	-18.1	1
146-W-5	R	7	W	DW	4	6.0	-2.0	-18.1	1
146-W-6	R	7	W	DW	8	6.0	2.0	18.1	1
146-W-7	R	7	W	DW	3	6.0	-3.0	-27.2	1
146-W-8	R	7	W	DW	4	6.0	-2.0	-18.1	1
146-W-9	R	7	W	DW	5	6.0	-1.0	-9.1	1
146-W-10	R	7	W	DW	5	6.0	-1.0	-9.1	1
146-W-11	R	7	W	DW	10	6.0	4.0	36.3	1
146-W-12	R	7	W	DW	7	6.0	1.0	9.1	1
146-W-13	R	7	W	DW	4	6.0	-2.0	-18.1	1
146-W-14	R	7	W	DW	5	6.0	-1.0	-9.1	1
146-W-15	R	7	W	DW	7	6.0	1.0	9.1	1
146-W-16	R	7	W	DW	5	6.0	-1.0	-9.1	1
146-W-17	R	7	W	DW	12	6.0	6.0	54.4	1

Mean	**3.2**	
Median	**-9.1**	
Minimum	**-27.2**	
Maximum	**54.4**	
Std Dev (1s)	**24.0**	
MARSSIM Sign Test Required?		**YES**
MARSSIM SIGN TEST EVALUATION		
Sum of Positive Signs		**17**
Sign Test Critical Value n=	**17**	**12**
Null Hypothesis Evaluation		*Rejected*

NOTES:

1. Instrument Efficiency Calculated Using Methodology in ISO 7503-1
2. Sample Type: S = Systematic R = Random B = Biased
3. F = Floor W = Wall C = Ceiling B = Beam
4. Surface Materials: BC (Bare Concrete), PC (Painted Concrete), BCB (Bare Cinder Block), BCFT (Bare Ceramic Floor Tile), W (Wood), FB (Fiber Board), RB (Red Brick), M (Metal), O (Other)
5. Average of background readings collected in unimpacted areas for each building surface encountered during FSS
6. MARSSIM Sign Test parameter. If Result > DCGLw, Sign = -1, otherwise 1.

Survey Unit 211-W-B

Survey Date:	11/8/2006
Building:	211
MARSSIM Class:	3
SU $DCGL_w$ (dpm/100cm^2):	55

Instrument Number	Instrument/Probe Models	Instrument S/N	Probe S/N	Alpha Efficiency[1]	Probe Active Area (cm^2)
7	2224-1/43-89	162420	PR171381	8.82%	125
8	2224/43-68	116257	PR122018	9.21%	126
9	2224/43-68	183048	PR161781	7.04%	126
10	2360/43-37	184938	PR178371	6.56%	582
11	2221/43-37	86286	PR092501	7.86%	582

Static Count Time (min):	1.0
Daily BKGD Count Time (min):	1.0

SU Description: Lower Wall

Sample ID	Sample Type[2]	Instrument Number	Sample Location[3]	Surface Material[4]	Alpha Counts (gross cpm)	Material Specific Background[5] (cpm)	Net Fixed-Point Result (net cpm)	Alpha Residual Surface Activity (dpm/100cm^2)	Alpha Sign Test Parameter
211W-1-19-1	B	9	W	W	4	2.0	2.0	22.5	N/A
211W-2-61-1	B	9	W	W	5	2.0	3.0	33.8	N/A
211W-2-61-2	B	9	W	W	3	2.0	1.0	11.3	N/A
211W-2-69-3	B	9	W	W	5	2.0	3.0	33.8	N/A
211W-2-69-4	B	9	W	W	6	2.0	4.0	45.1	N/A
211W-2-19-5	B	9	W	W	5	2.0	3.0	33.8	N/A

Mean	**30.0**	
Median	**33.8**	
Minimum	**11.3**	
Maximum	**45.1**	
Std Dev (1s)	**11.6**	
MARSSIM Sign Test Required?		**NO**

NOTES:

1. Instrument Efficiency Calculated Using Methodology in ISO 7503-1
2. Sample Type: S = Systematic R = Random B = Biased
3. F = Floor W = Wall C = Ceiling B = Beam
4. Surface Materials: BC (Bare Concrete), PC (Painted Concrete), BCB (Bare Cinder Block), BCFT (Bare Ceramic Floor Tile), W (Wood), FB (Fiber Board), RB (Red Brick), M (Metal), O (Other)
5. Average of background readings collected in unimpacted areas for each building surface encountered during FSS
6. MARSSIM Sign Test parameter. If Result > DCGLw, Sign = -1, otherwise 1.

Survey Unit 211-Overhead Beams

Survey Date:	11/13/2006
Building:	211
MARSSIM Class:	3
SU DCGL$_w$ (dpm/100cm^2):	55

Instrument Number	Instrument/Probe Models	Instrument S/N	Probe S/N	Alpha Efficiency[1]	Probe Active Area (cm^2)
7	2224-1/43-89	162420	PR171381	8.82%	125
8	2224/43-68	116257	PR122018	9.21%	126
9	2224/43-68	183048	PR161781	7.04%	126
10	2360/43-37	184938	PR178371	6.56%	582
11	2221/43-37	86286	PR092501	7.86%	582

Static Count Time (min): 1.0
Daily BKGD Count Time (min): 1.0

SU Description: Beam Section 1 & 2

Sample ID	Sample Type[2]	Instrument Number	Sample Location[3]	Surface Material[4]	Alpha Counts (gross cpm)	Material Specific Background[5] (cpm)	Net Fixed-Point Result (net cpm)	Alpha Residual Surface Activity (dpm/100cm^2)	Alpha Sign Test Parameter
211B-1-13-1	B	8	B	W	3	4.0	-1.0	-8.6	N/A
211B-1-18-2	B	8	B	W	1	4.0	-3.0	-25.9	N/A
211B-1-19-3	B	8	B	W	4	4.0	0.0	0.0	N/A
211B-1-21-4	B	8	B	W	7	4.0	3.0	25.9	N/A
211B-1-24-5	B	8	B	W	1	4.0	-3.0	-25.9	N/A
211B-1-29-6	B	8	B	W	2	4.0	-2.0	-17.2	N/A
211B-1-52-7	B	8	B	W	1	4.0	-3.0	-25.9	N/A
211B-1-56-8	B	8	B	W	4	4.0	0.0	0.0	N/A
211B-1-58-9	B	8	B	W	1	4.0	-3.0	-25.9	N/A
211B-2-2-1	B	8	B	W	2	4.0	-2.0	-17.2	N/A
211B-2-5-2	B	8	B	W	1	4.0	-3.0	-25.9	N/A
211B-2-8-3	B	8	B	W	1	4.0	-3.0	-25.9	N/A
211B-2-33-4	B	8	B	W	2	4.0	-2.0	-17.2	N/A
211B-2-37-5	B	8	B	W	5	4.0	1.0	8.6	N/A
211B-2-39-6	B	8	B	W	3	4.0	-1.0	-8.6	N/A
211B-2-61-7	B	8	B	W	5	4.0	1.0	8.6	N/A
211B-2-64-8	B	8	B	W	5	4.0	1.0	8.6	N/A
211B-2-66-9	B	8	B	W	3	4.0	-1.0	-8.6	N/A

Mean	**-10.1**	
Median	**-12.9**	
Minimum	**-25.9**	
Maximum	**25.9**	
Std Dev (1s)	**15.7**	
MARSSIM Sign Test Required?		**NO**

NOTES:

1. Instrument Efficiency Calculated Using Methodology in ISO 7503-1
2. Sample Type: S = Systematic R = Random B = Biased
3. F = Floor W = Wall C = Ceiling B = Beam
4. Surface Materials: BC (Bare Concrete), PC (Painted Concrete), BCB (Bare Cinder Block), BCFT (Bare Ceramic Floor Tile), W (Wood), FB (Fiber Board), RB (Red Brick), M (Metal), O (Other)
5. Average of background readings collected in unimpacted areas for each building surface encountered during FSS

Survey Unit 212-F-S

Survey Date:	10/31/2006
Building:	212
MARSSIM Class:	3
SU $DCGL_w$ (dpm/100cm^2):	100

Instrument Number	Instrument/Probe Models	Instrument S/N	Probe S/N	Alpha Efficiency[1]	Probe Active Area (cm^2)
7	2224-1/43-89	162420	PR171381	8.82%	125
8	2224/43-68	116257	PR122018	9.21%	126
9	2224/43-68	183048	PR161781	7.04%	126
10	2360/43-37	184938	PR178371	6.56%	582
11	2221/43-37	86286	PR092501	7.86%	582

Static Count Time (min): 1.0
Daily BKGD Count Time (min): 1.0

SU Description: Floor

Sample ID	Sample Type[2]	Instrument Number	Sample Location[3]	Surface Material[4]	Alpha Counts (gross cpm)	Material Specific Background[5] (cpm)	Net Fixed-Point Result (net cpm)	Alpha Residual Surface Activity (dpm/100cm^2)	Alpha Sign Test Parameter[6]
212-F-1	R	7	F	BC	7	10.8	-3.8	-34.5	1
212-F-2	R	7	F	BC	10	10.8	-0.8	-7.3	1
212-F-3	R	7	F	BC	6	10.8	-4.8	-43.6	1
212-F-4	R	7	F	BC	4	10.8	-6.8	-61.7	1
212-F-5	R	7	F	BC	14	10.8	3.2	29.0	1
212-F-6	R	7	F	BC	12	10.8	1.2	10.9	1
212-F-7	R	7	F	BC	10	10.8	-0.8	-7.3	1
212-F-8	R	7	F	BC	6	10.8	-4.8	-43.6	1
212-F-9	R	7	F	BC	10	10.8	-0.8	-7.3	1
212-F-10	R	7	F	BC	11	10.8	0.2	1.8	1
212-F-11	R	7	F	BC	9	10.8	-1.8	-16.3	1
212-F-12	R	7	F	BC	8	10.8	-2.8	-25.4	1
212-F-13	R	7	F	BC	8	10.8	-2.8	-25.4	1
212-F-14	R	7	F	BC	6	10.8	-4.8	-43.6	1
212-F-15	R	7	F	BC	11	10.8	0.2	1.8	1
212-F-16	R	7	F	BC	9	10.8	-1.8	-16.3	1
212-F-17	R	7	F	BC	11	10.8	0.2	1.8	1

Mean	**-16.9**		
Median	**-16.3**		
Minimum	**-61.7**		
Maximum	**29.0**		
Std Dev (1s)	**23.5**		
MARSSIM Sign Test Required?			**YES**
MARSSIM SIGN TEST EVALUATION			
Sum of Positive Signs			**17**
Sign Test Critical Value n=		**17**	**12**
Null Hypothesis Evaluation			*Rejected*

NOTES:

1. Instrument Efficiency Calculated Using Methodology in ISO 7503-1
2. Sample Type: S = Systematic R = Random B = Biased
3. F = Floor W = Wall C = Ceiling B = Beam
4. Surface Materials: BC (Bare Concrete), PC (Painted Concrete), BCB (Bare Cinder Block), BCFT (Bare Ceramic Floor Tile), W (Wood), FB (Fiber Board), RB (Red Brick), M (Metal), O (Other)
5. Average of background readings collected in unimpacted areas for each building surface encountered during FSS
6. MARSSIM Sign Test parameter. If Result > DCGLw, Sign = -1, otherwise 1.

Survey Unit 212-W-S

Survey Date:	11/13/2006
Building:	212
MARSSIM Class:	3
SU $DCGL_w$ (dpm/100cm^2):	100

Instrument Number	Instrument/Probe Models	Instrument S/N	Probe S/N	Alpha Efficiency[1]	Probe Active Area (cm^2)
7	2224-1/43-89	162420	PR171381	8.82%	125
8	2224/43-68	116257	PR122018	9.21%	126
9	2224/43-68	183048	PR161781	7.04%	126
10	2360/43-37	184938	PR178371	6.56%	582
11	2221/43-37	86286	PR092501	7.86%	582

Static Count Time (min):	1.0
Daily BKGD Count Time (min):	1.0

SU Description: Lower Wall

Sample ID	Sample Type[2]	Instrument Number	Sample Location[3]	Surface Material[4]	Alpha Counts (gross cpm)	Material Specific Background[5] (cpm)	Net Fixed-Point Result (net cpm)	Alpha Residual Surface Activity (dpm/100cm^2)	Alpha Sign Test Parameter[6]
212-W-1	R	7	W	W	2	7.6	-5.6	-50.8	1
212-W-2	R	7	W	W	7	7.6	-0.6	-5.4	1
212-W-3	R	7	W	W	9	7.6	1.4	12.7	1
212-W-4	R	7	W	W	3	7.6	-4.6	-41.7	1
212-W-5	R	7	W	W	9	7.6	1.4	12.7	1
212-W-6	R	7	W	W	3	7.6	-4.6	-41.7	1
212-W-7	R	7	W	W	12	7.6	4.4	39.9	1
212-W-8	R	7	W	W	6	7.6	-1.6	-14.5	1
212-W-9	R	7	W	W	4	7.6	-3.6	-32.7	1
212-W-10	R	7	W	W	10	7.6	2.4	21.8	1
212-W-11	R	7	W	W	13	7.6	5.4	49.0	1
212-W-12	R	7	W	W	8	7.6	0.4	3.6	1
212-W-13	R	7	W	W	6	7.6	-1.6	-14.5	1
212-W-14	R	7	W	W	7	7.6	-0.6	-5.4	1
212-W-15	R	7	W	W	5	7.6	-2.6	-23.6	1
212-W-16	R	7	W	W	10	7.6	2.4	21.8	1
212-W-17	R	7	W	W	6	7.6	-1.6	-14.5	1

Mean	**-4.9**		
Median	**-5.4**		
Minimum	**-50.8**		
Maximum	**49.0**		
Std Dev (1s)	**28.8**		
MARSSIM Sign Test Required?			**YES**
MARSSIM SIGN TEST EVALUATION			
Sum of Positive Signs			**17**
Sign Test Critical Value n=		**17**	**12**
Null Hypothesis Evaluation			*Rejected*

NOTES:

1. Instrument Efficiency Calculated Using Methodology in ISO 7503-1
2. Sample Type: S = Systematic R = Random B = Biased
3. F = Floor W = Wall C = Ceiling B = Beam
4. Surface Materials: BC (Bare Concrete), PC (Painted Concrete), BCB (Bare Cinder Block), BCFT (Bare Ceramic Floor Tile), W (Wood), FB (Fiber Board), RB
5. Average of background readings collected in unimpacted areas for each building surface encountered during FSS
6. MARSSIM Sign Test parameter. If Result > DCGLw, Sign = -1, otherwise 1.

Survey Unit 212-W-B

Survey Date:	11/8/2006
Building:	212
MARSSIM Class:	3
SU $DCGL_w$ (dpm/100cm^2):	100

Instrument Number	Instrument/Probe Models	Instrument S/N	Probe S/N	Alpha Efficiency[1]	Probe Active Area (cm^2)
7	2224-1/43-89	162420	PR171381	8.82%	125
8	2224/43-68	116257	PR122018	9.21%	126
9	2224/43-68	183048	PR161781	7.04%	126
10	2360/43-37	184938	PR178371	6.56%	582
11	2221/43-37	86286	PR092501	7.86%	582

Static Count Time (min):	1.0
Daily BKGD Count Time (min):	1.0

SU Description: Lower Wall

Sample ID	Sample Type[2]	Instrument Number	Sample Location[3]	Surface Material[4]	Alpha Counts (gross cpm)	Material Specific Background[5] (cpm)	Net Fixed-Point Result (net cpm)	Alpha Residual Surface Activity (dpm/100cm^2)	Alpha Sign Test Parameter
212W-1-3W-1	B	8	W	W	3	4.0	-1.0	-8.6	N/A
212W-2-11S-1	B	8	W	W	2	4.0	-2.0	-17.2	N/A
212W-2-11S-2	B	8	W	W	4	4.0	0.0	0.0	N/A
212W-2-11S-3	B	8	W	W	7	4.0	3.0	25.9	N/A
212W-2-21S-4	B	8	W	W	2	4.0	-2.0	-17.2	N/A
212W-2-19N-5	B	8	W	W	6	4.0	2.0	17.2	N/A
212W-2-19N-6	B	8	W	W	7	4.0	3.0	25.9	N/A
212W-2-19N-7	B	8	W	W	6	4.0	2.0	17.2	N/A
212W-2-9-8	B	8	W	W	9	4.0	5.0	43.1	N/A
212W-2-9-9	B	8	W	W	8	4.0	4.0	34.5	N/A
212W-1-61S-1	B	8	W	W	2	4.0	-2.0	-17.2	N/A
212W-1-61S-2	B	8	W	W	5	4.0	1.0	8.6	N/A
212W-1-61S-3	B	8	W	W	6	4.0	2.0	17.2	N/A
212W-1-31-4	B	8	W	W	5	4.0	1.0	8.6	N/A
212W-1-31-5	B	8	W	W	7	4.0	3.0	25.9	N/A
212W-1-11-6	B	8	W	W	3	4.0	-1.0	-8.6	N/A

Mean	**9.7**	
Median	**12.9**	
Minimum	**-17.2**	
Maximum	**43.1**	
Std Dev (1s)	**19.4**	
MARSSIM Sign Test Required?		**NO**

NOTES:

1. Instrument Efficiency Calculated Using Methodology in ISO 7503-1
2. Sample Type: S = Systematic R = Random B = Biased
3. F = Floor W = Wall C = Ceiling B = Beam
4. Surface Materials: BC (Bare Concrete), PC (Painted Concrete), BCB (Bare Cinder Block), BCFT (Bare Ceramic Floor Tile), W (Wood), FB (Fiber Board), RB (Red Brick), M (Metal), O (Other)
5. Average of background readings collected in unimpacted areas for each building surface encountered during FSS

Survey Unit 212-Overhead Beams

Survey Date:	11/13/2006
Building:	212
MARSSIM Class:	3
SU DCGL$_w$ (dpm/100cm^2):	100

Instrument Number	Instrument/Probe Models	Instrument S/N	Probe S/N	Alpha Efficiency[1]	Probe Active Area (cm^2)
7	2224-1/43-89	162420	PR171381	8.82%	125
8	2224/43-68	116257	PR122018	9.21%	126
9	2224/43-68	183048	PR161781	7.04%	126
10	2360/43-37	184938	PR178371	6.56%	582
11	2221/43-37	86286	PR092501	7.86%	582

Static Count Time (min): 1.0
Daily BKGD Count Time (min): 1.0

SU Description: Beam Section 1 & 2

Sample ID	Sample Type[2]	Instrument Number	Sample Location[3]	Surface Material[4]	Alpha Counts (gross cpm)	Material Specific Background[5] (cpm)	Net Fixed-Point Result (net cpm)	Alpha Residual Surface Activity (dpm/100cm^2)	Alpha Sign Test Parameter
212B-1-4-1	B	8	B	W	3	4.0	-1.0	-8.6	N/A
212B-1-6-2	B	8	B	W	1	4.0	-3.0	-25.9	N/A
212B-1-8-3	B	8	B	W	2	4.0	-2.0	-17.2	N/A
212B-1-32-4	B	8	B	W	1	4.0	-3.0	-25.9	N/A
212B-1-34-5	B	8	B	W	4	4.0	0.0	0.0	N/A
212B-1-39-6	B	8	B	W	2	4.0	-2.0	-17.2	N/A
212B-1-63-7	B	8	B	W	3	4.0	-1.0	-8.6	N/A
212B-1-65-8	B	8	B	W	5	4.0	1.0	8.6	N/A
212B-1-67-9	B	8	B	W	5	4.0	1.0	8.6	N/A
212B-2-12-1	B	8	B	W	2	4.0	-2.0	-17.2	N/A
212B-2-15-2	B	8	B	W	1	4.0	-3.0	-25.9	N/A
212B-2-17-3	B	8	B	W	1	4.0	-3.0	-25.9	N/A
212B-2-41-4	B	8	B	W	3	4.0	-1.0	-8.6	N/A
212B-2-44-5	B	8	B	W	5	4.0	1.0	8.6	N/A
212B-2-48-6	B	8	B	W	2	4.0	-2.0	-17.2	N/A
212B-2-72-7	B	8	B	W	5	4.0	1.0	8.6	N/A
212B-2-76-8	B	8	B	W	2	4.0	-2.0	-17.2	N/A
212B-2-78-9	B	8	B	W	2	4.0	-2.0	-17.2	N/A

Mean	**-11.0**	
Median	**-17.2**	
Minimum	**-25.9**	
Maximum	**8.6**	
Std Dev (1s)	**12.8**	
MARSSIM Sign Test Required?		**NO**

NOTES:

1. Instrument Efficiency Calculated Using Methodology in ISO 7503-1
2. Sample Type: S = Systematic R = Random B = Biased
3. F = Floor W = Wall C = Ceiling B = Beam
4. Surface Materials: BC (Bare Concrete), PC (Painted Concrete), BCB (Bare Cinder Block), BCFT (Bare Ceramic Floor Tile), W (Wood), FB (Fiber Board), RB (Red Brick), M (Metal), O (Other)
5. Average of background readings collected in unimpacted areas for each building surface encountered during FSS

Survey Unit 213-W-B

Survey Date:	11/8/2006
Building:	213
MARSSIM Class:	3
SU $DCGL_w$ (dpm/100cm^2):	38

Instrument Number	Instrument/Probe Models	Instrument S/N	Probe S/N	Alpha Efficiency[1]	Probe Active Area (cm^2)
7	2224-1/43-89	162420	PR171381	8.82%	125
8	2224/43-68	116257	PR122018	9.21%	126
9	2224/43-68	183048	PR161781	7.04%	126
10	2360/43-37	184938	PR178371	6.56%	582
11	2221/43-37	86286	PR092501	7.86%	582

Static Count Time (min): 1.0
Daily BKGD Count Time (min): 1.0

SU Description: Lower Wall

Sample ID	Sample Type[2]	Instrument Number	Sample Location[3]	Surface Material[4]	Alpha Counts (gross cpm)	Material Specific Background[5] (cpm)	Net Fixed-Point Result (net cpm)	Alpha Residual Surface Activity (dpm/100cm^2)	Alpha Sign Test Parameter
213W-1-21S-1	B	8	W	BCB	4	3.4	0.6	5.2	N/A
213W-1-21S-2	B	8	W	BCB	4	3.4	0.6	5.2	N/A
213W-1-31S-3	B	8	W	BCB	5	3.4	1.6	13.8	N/A
213W-1-31S-4	B	8	W	BCB	2	3.4	-1.4	-12.1	N/A
213W-1-31S-5	B	8	W	BCB	5	3.4	1.6	13.8	N/A
213W-1-59N-6	B	8	W	BCB	6	3.4	2.6	22.4	N/A
213W-1-4W-1	B	8	W	BCB	4	3.4	0.6	5.2	N/A
213W-4-69-1	B	9	W	BCB	4	1.8	2.2	24.8	N/A
213W-4-69-2	B	9	W	BCB	4	1.8	2.2	24.8	N/A
213W-4-69-3	B	9	W	BCB	2	1.8	0.2	2.3	N/A
213W-4-69-4	B	9	W	BCB	1	1.8	-0.8	-9.0	N/A
213W-4-69-5	B	9	W	BCB	2	1.8	0.2	2.3	N/A
213W-4-69-6	B	9	W	BCB	7	1.8	5.2	58.6	N/A
213W-4-69-7	B	9	W	BCB	1	1.8	-0.8	-9.0	N/A
213W-4-29-8	B	9	W	BCB	3	1.8	1.2	13.5	N/A
213W-4-29-9	B	9	W	BCB	4	1.8	2.2	24.8	N/A
213W-4-29-10	B	9	W	BCB	4	1.8	2.2	24.8	N/A
213W-4-29-11	B	9	W	BCB	4	1.8	2.2	24.8	N/A
213W-4-29-12	B	9	W	BCB	3	1.8	1.2	13.5	N/A
213W-4-6W-13	B	9	W	BCB	4	1.8	2.2	24.8	N/A
213W-4-6W-14	B	9	W	BCB	5	1.8	3.2	36.1	N/A
213W-4-6W-15	B	9	W	BCB	7	1.8	5.2	58.6	N/A
213W-2-9N-1	B	9	W	BCB	4	1.8	2.2	24.8	N/A
213W-2-29N-2	B	9	W	BCB	6	1.8	4.2	47.3	N/A
213W-2-29N-3	B	9	W	BCB	3	1.8	1.2	13.5	N/A
213W-2-29N-4	B	9	W	BCB	3	1.8	1.2	13.5	N/A
213W-2-29N-5	B	9	W	BCB	4	1.8	2.2	24.8	N/A
213W-2-31S-6	B	9	W	BCB	5	1.8	3.2	36.1	N/A
213W-2-31S-7	B	9	W	BCB	1	1.8	-0.8	-9.0	N/A
213W-2-31S-8	B	9	W	BCB	6	1.8	4.2	47.3	N/A
213W-2-31S-9	B	9	W	BCB	1	1.8	-0.8	-9.0	N/A
213W-2-31S-10	B	9	W	BCB	4	1.8	2.2	24.8	N/A
213W-2-31S-11	B	9	W	BCB	4	1.8	2.2	24.8	N/A
213W-2-21S-12	B	9	W	BCB	4	1.8	2.2	24.8	N/A
213W-2-21S-13	B	9	W	BCB	1	1.8	-0.8	-9.0	N/A
213W-3-9-1	B	9	W	BCB	4	1.8	2.2	24.8	N/A
213W-3-9-2	B	9	W	BCB	3	1.8	1.2	13.5	N/A
213W-3-9-3	B	9	W	BCB	4	1.8	2.2	24.8	N/A
213W-3-59-4	B	9	W	BCB	3	1.8	1.2	13.5	N/A
213W-3-59-5	B	9	W	BCB	5	1.8	3.2	36.1	N/A
213W-3-51-6	B	9	W	BCB	3	1.8	1.2	13.5	N/A

Mean	**18.3**	
Median	**22.4**	
Minimum	**-12.1**	
Maximum	**58.6**	
Std Dev (1s)	**17.6**	
MARSSIM Sign Test Required?		**NO**

NOTES:

1. Instrument Efficiency Calculated Using Methodology in ISO 7503-1
2. Sample Type: S = Systematic R = Random B = Biased
3. F = Floor W = Wall C = Ceiling B = Beam
4. Surface Materials: BC (Bare Concrete), PC (Painted Concrete), BCB (Bare Cinder Block), BCFT (Bare Ceramic Floor Tile), W (Wood), FB (Fiber Board), RB (Red Brick), M (Metal), O (Other)
5. Average of background readings collected in unimpacted areas for each building surface encountered during FSS

Survey Unit 213-Overhead Beams

Survey Date:	11/13/2006
Building:	213
MARSSIM Class:	3
SU $DCGL_w$ (dpm/100cm^2):	38

Instrument Number	Instrument/Probe Models	Instrument S/N	Probe S/N	Alpha Efficiency[1]	Probe Active Area (cm^2)
7	2224-1/43-89	162420	PR171381	8.82%	125
8	2224/43-68	116257	PR122018	9.21%	126
9	2224/43-68	183048	PR161781	7.04%	126
10	2360/43-37	184938	PR178371	6.56%	582
11	2221/43-37	86286	PR092501	7.86%	582

Static Count Time (min):	1.0
Daily BKGD Count Time (min):	1.0

SU Description: Beam

Sample ID	Sample Type[2]	Instrument Number	Sample Location[3]	Surface Material[4]	Alpha Counts (gross cpm)	Material Specific Background[5] (cpm)	Net Fixed-Point Result (net cpm)	Alpha Residual Surface Activity (dpm/100cm^2)	Alpha Sign Test Parameter
213B-1-11-1	B	8	B	W	0	4.0	-4.0	-34.5	N/A
213B-1-16-2	B	8	B	W	5	4.0	1.0	8.6	N/A
213B-1-19-3	B	8	B	W	2	4.0	-2.0	-17.2	N/A
213B-1-34-4	B	8	B	W	1	4.0	-3.0	-25.9	N/A
213B-1-36-5	B	8	B	W	2	4.0	-2.0	-17.2	N/A
213B-1-38-6	B	8	B	W	2	4.0	-2.0	-17.2	N/A
213B-1-51-7	B	8	B	W	4	4.0	0.0	0.0	N/A
213B-1-54-8	B	8	B	W	2	4.0	-2.0	-17.2	N/A
213B-1-59-9	B	8	B	W	4	4.0	0.0	0.0	N/A
213B-2-13-1	B	8	B	W	3	4.0	-1.0	-8.6	N/A
213B-2-16-2	B	8	B	W	4	4.0	0.0	0.0	N/A
213B-2-18-3	B	8	B	W	3	4.0	-1.0	-8.6	N/A
213B-2-53-4	B	8	B	W	5	4.0	1.0	8.6	N/A
213B-2-55-5	B	8	B	W	0	4.0	-4.0	-34.5	N/A
213B-2-57-6	B	8	B	W	0	4.0	-4.0	-34.5	N/A
213B-2-72-7	B	8	B	W	1	4.0	-3.0	-25.9	N/A
213B-2-74-8	B	8	B	W	4	4.0	0.0	0.0	N/A
213B-2-78-9	B	8	B	W	4	4.0	0.0	0.0	N/A
213B-3-2-1	B	8	B	W	4	4.0	0.0	0.0	N/A
213B-3-4-2	B	8	B	W	3	4.0	-1.0	-8.6	N/A
213B-3-7-3	B	8	B	W	0	4.0	-4.0	-34.5	N/A
213B-3-31-4	B	8	B	W	1	4.0	-3.0	-25.9	N/A
213B-3-34-5	B	8	B	W	2	4.0	-2.0	-17.2	N/A
213B-3-38-6	B	8	B	W	3	4.0	-1.0	-8.6	N/A
213B-3-62-7	B	8	B	W	4	4.0	0.0	0.0	N/A
213B-3-66-8	B	8	B	W	2	4.0	-2.0	-17.2	N/A
213B-3-69-9	B	8	B	W	1	4.0	-3.0	-25.9	N/A
213B-4-22-1	B	8	B	W	0	4.0	-4.0	-34.5	N/A
213B-4-24-2	B	8	B	W	2	4.0	-2.0	-17.2	N/A
213B-4-26-3	B	8	B	W	3	4.0	-1.0	-8.6	N/A
213B-4-43-4	B	8	B	W	4	4.0	0.0	0.0	N/A
213B-4-45-5	B	8	B	W	1	4.0	-3.0	-25.9	N/A
213B-4-47-6	B	8	B	W	4	4.0	0.0	0.0	N/A
213B-4-75-7	B	8	B	W	2	4.0	-2.0	-17.2	N/A
213B-4-76-8	B	8	B	W	3	4.0	-1.0	-8.6	N/A
213B-4-77-9	B	8	B	W	4	4.0	0.0	0.0	N/A

Mean	**-13.2**
Median	**-12.9**
Minimum	**-34.5**
Maximum	**8.6**
Std Dev (1s)	**13.1**
MARSSIM Sign Test Required?	**NO**

NOTES:

1. Instrument Efficiency Calculated Using Methodology in ISO 7503-1
2. Sample Type: S = Systematic R = Random B = Biased
3. F = Floor W = Wall C = Ceiling B = Beam
4. Surface Materials: BC (Bare Concrete), PC (Painted Concrete), BCB (Bare Cinder Block), BCFT (Bare Ceramic Floor Tile), W (Wood), FB (Fiber Board), RB (Red Brick), M (Metal), O (Other)
5. Average of background readings collected in unimpacted areas for each building surface encountered during FSS

Survey Unit 215-W-B

Survey Date:	11/7/2006
Building:	215
MARSSIM Class:	3
SU DCGL$_w$ (dpm/100cm^2):	38

Instrument Number	Instrument/Probe Models	Instrument S/N	Probe S/N	Alpha Efficiency[1]	Probe Active Area (cm^2)
7	2224-1/43-89	162420	PR171381	8.82%	125
8	2224/43-68	116257	PR122018	9.21%	126
9	2224/43-68	183048	PR161781	7.04%	126
10	2360/43-37	184938	PR178371	6.56%	582
11	2221/43-37	86286	PR092501	7.86%	582

Static Count Time (min):	1.0
Daily BKGD Count Time (min):	1.0

SU Description: Lower Wall

Sample ID	Sample Type[2]	Instrument Number	Sample Location[3]	Surface Material[4]	Alpha Counts (gross cpm)	Material Specific Background[5] (cpm)	Net Fixed-Point Result (net cpm)	Alpha Residual Surface Activity (dpm/100cm^2)	Alpha Sign Test Parameter
215W-1-19N-1	B	8	W	BCB	5	3.4	1.6	13.8	N/A
215W-2-79N-2	B	8	W	BCB	4	3.4	0.6	5.2	N/A
215W-2-69N-3	B	8	W	BCB	4	3.4	0.6	5.2	N/A
215W-4-29N-1	B	8	W	BCB	4	3.4	0.6	5.2	N/A
215W-4-29N-2	B	8	W	BCB	3	3.4	-0.4	-3.4	N/A
215W-4-29N-3	B	8	W	BCB	5	3.4	1.6	13.8	N/A
215W-4-29N-4	B	8	W	BCB	3	3.4	-0.4	-3.4	N/A
215W-4-79N-5	B	8	W	BCB	6	3.4	2.6	22.4	N/A
215W-4-79N-6	B	8	W	BCB	5	3.4	1.6	13.8	N/A
215W-4-71S-7	B	8	W	BCB	2	3.4	-1.4	-12.1	N/A
215W-4-71S-8	B	8	W	BCB	1	3.4	-2.4	-20.7	N/A
215W-4-71S-9	B	8	W	BCB	2	3.4	-1.4	-12.1	N/A
215W-4-71S-10	B	8	W	BCB	2	3.4	-1.4	-12.1	N/A
215W-4-71E-9	B	9	W	BCB	3	1.8	1.2	13.5	N/A
215W-4-71E-10	B	9	W	BCB	1	1.8	-0.8	-9.0	N/A
215W-4-71E-11	B	9	W	BCB	2	1.8	0.2	2.3	N/A
215W-4-71E-12	B	9	W	BCB	5	1.8	3.2	36.1	N/A
215W-4-71E-13	B	9	W	BCB	2	1.8	0.2	2.3	N/A
215W-4-71E-14	B	9	W	BCB	6	1.8	4.2	47.3	N/A
215W-2-1-1	B	9	W	BCB	2	1.8	0.2	2.3	N/A
215W-2-1-2	B	9	W	BCB	2	1.8	0.2	2.3	N/A
215W-2-1-3	B	9	W	BCB	2	1.8	0.2	2.3	N/A
215W-2-41-4	B	9	W	BCB	2	1.8	0.2	2.3	N/A
215W-2-41-5	B	9	W	BCB	2	1.8	0.2	2.3	N/A
215W-2-41-6	B	9	W	BCB	2	1.8	0.2	2.3	N/A
215W-2-41-7	B	9	W	BCB	1	1.8	-0.8	-9.0	N/A
215W-2-41-8	B	9	W	BCB	1	1.8	-0.8	-9.0	N/A
215W-2-41-9	B	9	W	BCB	2	1.8	0.2	2.3	N/A

Mean	**3.8**	
Median	**2.3**	
Minimum	**-20.7**	
Maximum	**47.3**	
Std Dev (1s)	**14.5**	
MARSSIM Sign Test Required?		**NO**

NOTES:

1. Instrument Efficiency Calculated Using Methodology in ISO 7503-1
2. Sample Type: S = Systematic R = Random B = Biased
3. F = Floor W = Wall C = Ceiling B = Beam
4. Surface Materials: BC (Bare Concrete), PC (Painted Concrete), BCB (Bare Cinder Block), BCFT (Bare Ceramic Floor Tile), W (Wood), FB (Fiber Board), RB (Red Brick), M (Metal), O (Other)
5. Average of background readings collected in unimpacted areas for each building surface encountered during FSS

Survey Unit 215-Overhead Beams

Survey Date:	11/9/2006
Building:	215
MARSSIM Class:	3
SU $DCGL_w$ (dpm/100cm^2):	38

Instrument Number	Instrument/Probe Models	Instrument S/N	Probe S/N	Alpha Efficiency[1]	Probe Active Area (cm^2)
7	2224-1/43-89	162420	PR171381	8.82%	125
8	2224/43-68	116257	PR122018	9.21%	126
9	2224/43-68	183048	PR161781	7.04%	126
10	2360/43-37	184938	PR178371	6.56%	582
11	2221/43-37	86286	PR092501	7.86%	582

Static Count Time (min): 1.0
Daily BKGD Count Time (min): 1.0

SU Description: Beam

Sample ID	Sample Type[2]	Instrument Number	Sample Location[3]	Surface Material[4]	Alpha Counts (gross cpm)	Material Specific Background[5] (cpm)	Net Fixed-Point Result (net cpm)	Alpha Residual Surface Activity (dpm/100cm^2)	Alpha Sign Test Parameter
215B-1-1-1	B	9	B	W	4	2.0	2.0	22.5	N/A
215B-1-5-2	B	9	B	W	2	2.0	0.0	0.0	N/A
215B-1-9-3	B	9	B	W	5	2.0	3.0	33.8	N/A
215B-1-12-4	B	9	B	W	2	2.0	0.0	0.0	N/A
215B-1-15-5	B	9	B	W	2	2.0	0.0	0.0	N/A
215B-1-18-6	B	9	B	W	2	2.0	0.0	0.0	N/A
215B-1-52-7	B	9	B	W	6	2.0	4.0	45.1	N/A
215B-1-54-8	B	9	B	W	5	2.0	3.0	33.8	N/A
215B-1-50-9	B	9	B	W	2	2.0	0.0	0.0	N/A
215B-2-2-1	B	9	B	W	1	2.0	-1.0	-11.3	N/A
215B-2-5-2	B	9	B	W	3	2.0	1.0	11.3	N/A
215B-2-8-3	B	9	B	W	2	2.0	0.0	0.0	N/A
215B-2-13-4	B	9	B	W	1	2.0	-1.0	-11.3	N/A
215B-2-16-5	B	9	B	W	3	2.0	1.0	11.3	N/A
215B-2-18-6	B	9	B	W	3	2.0	1.0	11.3	N/A
215B-2-52-7	B	9	B	W	4	2.0	2.0	22.5	N/A
215B-2-55-8	B	9	B	W	2	2.0	0.0	0.0	N/A
215B-2-59-9	B	9	B	W	1	2.0	-1.0	-11.3	N/A
215B-3-2-1	B	9	B	W	2	2.0	0.0	0.0	N/A
215B-3-5-2	B	9	B	W	4	2.0	2.0	22.5	N/A
215B-3-9-3	B	9	B	W	2	2.0	0.0	0.0	N/A
215B-3-58-4	B	9	B	W	3	2.0	1.0	11.3	N/A
215B-3-55-5	B	9	B	W	0	2.0	-2.0	-22.5	N/A
215B-3-52-6	B	9	B	W	2	2.0	0.0	0.0	N/A
215B-3-72-7	B	9	B	W	6	2.0	4.0	45.1	N/A
215B-3-75-8	B	9	B	W	0	2.0	-2.0	-22.5	N/A
215B-3-77-9	B	9	B	W	3	2.0	1.0	11.3	N/A
215B-4-31-1	B	9	B	W	3	2.0	1.0	11.3	N/A
215B-4-35-2	B	9	B	W	1	2.0	-1.0	-11.3	N/A
215B-4-37-3	B	9	B	W	4	2.0	2.0	22.5	N/A
215B-4-52-4	B	9	B	W	1	2.0	-1.0	-11.3	N/A
215B-4-54-5	B	9	B	W	1	2.0	-1.0	-11.3	N/A
215B-4-58-6	B	9	B	W	2	2.0	0.0	0.0	N/A
215B-4-62-7	B	9	B	W	0	2.0	-2.0	-22.5	N/A
215B-4-64-8	B	9	B	W	2	2.0	0.0	0.0	N/A
215B-4-67-9	B	9	B	W	2	2.0	0.0	0.0	N/A

Mean	**5.0**
Median	**0.0**
Minimum	**-22.5**
Maximum	**45.1**
Std Dev (1s)	**17.3**
MARSSIM Sign Test Required?	**NO**

NOTES:

1. Instrument Efficiency Calculated Using Methodology in ISO 7503-1
2. Sample Type: S = Systematic R = Random B = Biased
3. F = Floor W = Wall C = Ceiling B = Beam
4. Surface Materials: BC (Bare Concrete), PC (Painted Concrete), BCB (Bare Cinder Block), BCFT (Bare Ceramic Floor Tile), W (Wood), FB (Fiber Board), RB (Red Brick), M (Metal), O (Other)
5. Average of background readings collected in unimpacted areas for each building surface encountered during FSS

Survey Unit 7A

Survey Date:	11/1/2006
Building:	Paved Road
MARSSIM Class:	3
SU $DCGL_w$ (dpm/100cm^2):	100

Instrument Number	Instrument/Probe Models	Instrument S/N	Probe S/N	Alpha Efficiency[1]	Probe Active Area (cm^2)
7	2224-1/43-89	162420	PR171381	8.82%	125
8	2224/43-68	116257	PR122018	9.21%	126
9	2224/43-68	183048	PR161781	7.04%	126
10	2360/43-37	184938	PR178371	6.56%	582
11	2221/43-37	86286	PR092501	7.86%	582

Static Count Time (min):	1.0
Daily BKGD Count Time (min):	1.0

SU Description: Concrete Pad

Sample ID	Sample Type[2]	Instrument Number	Sample Location[3]	Surface Material[4]	Alpha Counts (gross cpm)	Material Specific Background[5] (cpm)	Net Fixed-Point Result (net cpm)	Alpha Residual Surface Activity (dpm/100cm^2)	Alpha Sign Test Parameter[6]
Paved Road #1	R	7	F	N/A	7	4.0	3.0	27.2	1
Paved Road #2	R	7	F	N/A	7	4.0	3.0	27.2	1
Paved Road #3	R	7	F	N/A	11	4.0	7.0	63.5	1
Paved Road #4	R	7	F	N/A	8	4.0	4.0	36.3	1
Paved Road #5	R	7	F	N/A	9	4.0	5.0	45.4	1
Paved Road #6	R	7	F	N/A	10	4.0	6.0	54.4	1
Paved Road #7	R	7	F	N/A	9	4.0	5.0	45.4	1
Paved Road #8	R	7	F	N/A	8	4.0	4.0	36.3	1
Paved Road #9	R	7	F	N/A	2	4.0	-2.0	-18.1	1
Paved Road #10	R	7	F	N/A	11	4.0	7.0	63.5	1
Paved Road #11	R	7	F	N/A	7	4.0	3.0	27.2	1
Paved Road #12	R	7	F	N/A	11	4.0	7.0	63.5	1
Paved Road #13	R	7	F	N/A	17	4.0	13.0	118.0	-1
Paved Road #14	R	7	F	N/A	10	4.0	6.0	54.4	1
Paved Road #15	R	7	F	N/A	9	4.0	5.0	45.4	1
Paved Road #16	R	7	F	N/A	6	4.0	2.0	18.1	1
Paved Road #17	R	7	F	N/A	11	4.0	7.0	63.5	1
Paved Road #18	R	7	F	N/A	8	4.0	4.0	36.3	1
Paved Road #19	R	7	F	N/A	12	4.0	8.0	72.6	1
Paved Road #20	R	7	F	N/A	12	4.0	8.0	72.6	1

Mean	**47.6**		
Median	**45.4**		
Minimum	**-18.1**		
Maximum	**118.0**		
Std Dev (1s)	**27.3**		
MARSSIM Sign Test Required?			**YES**
MARSSIM SIGN TEST EVALUATION			
Sum of Positive Signs			**19**
Sign Test Critical Value n=		**20**	**14**
Null Hypothesis Evaluation			*Rejected*

NOTES:

1. Instrument Efficiency Calculated Using Methodology in ISO 7503-1
2. Sample Type: S = Systematic R = Random B = Biased
3. F = Floor W = Wall C = Ceiling B = Beam
4. Surface Materials: BC (Bare Concrete), PC (Painted Concrete), BCB (Bare Cinder Block), BCFT (Bare Ceramic Floor Tile), W (Wood), FB (Fiber Board), RB (Red Brick), M (Metal), O (Other)
5. Average of background readings collected in unimpacted areas for each building surface encountered during FSS
6. MARSSIM Sign Test parameter. If Result > DCGLw, Sign = -1, otherwise 1.

Survey Unit 129A-F

Survey Date:	6/28~29/2007
Building:	129A
MARSSIM Class:	2
SU $DCGL_w$ (dpm/100cm^2):	100

Instrument Number	Instrument/Probe Models	Instrument S/N	Probe S/N	Alpha Efficiency[1]	Probe Active Area (cm^2)
1	2229/43-10-1	163827	PR171322	19.48%	100
2	2229/43-10-1	102001	PR103276	17.46%	100
3	2360/43-37	184938	PR178371	8.48%	582
4	2360/43-37	193675	PR216984	8.68%	582
5	2224/43-68	183048	PR161781	9.86%	126

Static Count Time (min):	3.0
Daily BKGD Count Time (min):	10.0

SU Description: Floor, Wall

Sample ID	Sample Type[2]	Instrument Number	Sample Location[3]	Surface Material[4]	Alpha Counts (gross cpm)	Material Specific Background[5] (cpm)	Net Fixed-Point Result (net cpm)	Alpha Residual Surface Activity (dpm/100cm^2)	Alpha Sign Test Parameter[6]
129A-1	S	5	F	CP	5	0.0	5.0	40.2	1
129A-2	S	5	F	L	2	3.4	-1.4	-11.3	1
129A-3	S	5	F	L	3	3.4	-0.4	-3.2	1
129A-4	S	5	F	L	2	3.4	-1.4	-11.3	1
129A-5	S	5	W4	DW	7	5.8	1.2	9.7	1
129A-6	S	5	W4	DW	4	5.8	-1.8	-14.5	1
129A-7	S	5	W3	DW	1	5.8	-4.8	-38.6	1
129A-8	S	5	W2	DW	5	5.8	-0.8	-6.4	1
129A-9	S	5	W2	DW	6	5.8	0.2	1.6	1
129A-10	S	5	W1	DW	1	5.8	-4.8	-38.6	1
129A-11	S	5	W4	DW	3	5.8	-2.8	-22.5	1
129A-12	S	5	W4	DW	2	5.8	-3.8	-30.6	1
129A-13	S	5	W3	DW	3	5.8	-2.8	-22.5	1
129A-14	S	5	W3	DW	4	5.8	-1.8	-14.5	1
129A-15	S	5	W2	DW	5	5.8	-0.8	-6.4	1
129A-16	S	5	W2	DW	4	5.8	-1.8	-14.5	1
129A-17	S	5	W1	DW	1	5.8	-4.8	-38.6	1

Mean	**-13.1**	
Median	**-14.5**	
Minimum	**-38.6**	
Maximum	**40.2**	
Std Dev (1s)	**19.7**	
MARSSIM Sign Test Required?		**YES**
MARSSIM SIGN TEST EVALUATION		
Sum of Positive Signs		**17**
Sign Test Critical Value n=	**17**	**12**
Null Hypothesis Evaluation		***Rejected***

NOTES:

1. Instrument Efficiency Calculated Using Methodology in ISO 7503-1
2. Sample Type: S = Systematic R = Random B = Biased
3. F = Floor W = Wall C = Ceiling B = Beam
4. Surface Materials: C (Concrete), CB (Cinder Block), W (Wood), B (Brick), MD (Metal Door), CP (Carpet), DW (Drywall), L (Linoleum), O (Other)
5. Average of background readings collected in unimpacted areas for each building surface encountered during FSS
6. MARSSIM Sign Test parameter. If Result > DCGLw, Sign = -1, otherwise 1.

Survey Unit 214-F

Survey Date:	6/13/2007
Building:	214
MARSSIM Class:	3
SU $DCGL_w$ (dpm/100cm^2):	38

Instrument Number	Instrument/Probe Models	Instrument S/N	Probe S/N	Alpha Efficiency[1]	Probe Active Area (cm^2)
1	2229/43-10-1	163827	PR171322	19.48%	100
2	2229/43-10-1	102001	PR103276	17.46%	100
3	2360/43-37	184938	PR178371	8.48%	582
4	2360/43-37	193675	PR216984	8.68%	582
5	2224/43-68	183048	PR161781	9.86%	126

Static Count Time (min):	3.0	1.0
Daily BKGD Count Time (min):	10.0	1.0

SU Description: Floor

Sample ID	Sample Type[2]	Instrument Number	Sample Location[3]	Surface Material[4]	Alpha Counts (gross cpm)	Material Specific Background[5] (cpm)	Net Fixed-Point Result (net cpm)	Alpha Residual Surface Activity (dpm/100cm^2)	Alpha Sign Test Parameter[6]
214-F-1	R	5	F	C	6	7.6	-1.6	-12.9	1
214-F-2	R	5	F	C	3	7.6	-4.6	-37.0	1
214-F-3	R	5	F	C	4	7.6	-3.6	-29.0	1
214-F-4	R	5	F	C	12	7.6	4.4	35.4	1
214-F-5	R	5	F	C	8	7.6	0.4	3.2	1
214-F-6	R	5	F	C	4	7.6	-3.6	-29.0	1
214-F-7	R	5	F	C	9	7.6	1.4	11.3	1
214-F-8	R	5	F	C	6	7.6	-1.6	-12.9	1
214-F-9	R	5	F	C	7	7.6	-0.6	-4.8	1
214-F-10	R	5	F	C	8	7.6	0.4	3.2	1
214-F-11	R	5	F	C	7	7.6	-0.6	-4.8	1
214-F-12	R	5	F	C	5	7.6	-2.6	-20.9	1
214-F-13	R	4	F	C	21	19.0	2.0	4.0	1
214-F-14	R	4	F	C	19	19.0	0.0	0.0	1
214-F-15	R	4	F	C	23	19.0	4.0	7.9	1
214-F-16	R	4	F	C	15	19.0	-4.0	-7.9	1
214-F-17	R	4	F	C	21	19.0	2.0	4.0	1

Mean	**-5.3**	
Median	**-4.8**	
Minimum	**-37.0**	
Maximum	**35.4**	
Std Dev (1s)	**17.6**	
MARSSIM Sign Test Required?		**YES**
MARSSIM SIGN TEST EVALUATION		
Sum of Positive Signs		**17**
Sign Test Critical Value n=	**17**	**12**
Null Hypothesis Evaluation		***Rejected***

NOTES:

1. Instrument Efficiency Calculated Using Methodology in ISO 7503-1
2. Sample Type: S = Systematic R = Random B = Biased
3. F = Floor W = Wall C = Ceiling B = Beam
4. Surface Materials: C (Concrete), CB (Cinder Block), W (Wood), B (Brick), MD (Metal Door), CP (Carpet), DW (Drywall), L (Linoleum), O (Other)
5. Average of background readings collected in unimpacted areas for each building surface encountered during FSS
6. MARSSIM Sign Test parameter. If Result > DCGLw, Sign = -1, otherwise 1.

Survey Unit 210-2-3

Survey Date:	9/12/2007
Building:	210-2
MARSSIM Class:	1
SU $DCGL_w$ (dpm/100cm^2):	38

Instrument Number	Instrument/Probe Models	Instrument S/N	Probe S/N	Alpha Efficiency[1]	Probe Active Area (cm^2)
1	2229/43-10-1	163827	PR171322	19.48%	100
2	2229/43-10-1	102001	PR103276	17.46%	100
3	2360/43-37	184938	PR178371	8.48%	582
4	2360/43-37	193675	PR216984	8.68%	582
5	2224/43-68	183048	PR161781	9.86%	126

Static Count Time (min):	1.0
Daily BKGD Count Time (min):	1.0

SU Description: Floor

Sample ID	Sample Type[2]	Instrument Number	Sample Location[3]	Surface Material[4]	Alpha Counts (gross cpm)	Material Specific Background[5] (cpm)	Net Fixed-Point Result (net cpm)	Alpha Residual Surface Activity (dpm/100cm^2)	Alpha Sign Test Parameter[6]
210-2-SU3-F-1	S	4	F	C	28	19.0	9.0	17.8	1
210-2-SU3-F-2	S	4	F	C	19	19.0	0.0	0.0	1
210-2-SU3-F-3	S	4	F	C	23	19.0	4.0	7.9	1
210-2-SU3-F-4	S	4	F	C	20	19.0	1.0	2.0	1
210-2-SU3-F-5	S	5	F	C	9	7.6	1.4	11.3	1
210-2-SU3-F-6	S	4	F	C	15	19.0	-4.0	-7.9	1
210-2-SU3-F-7	S	4	F	C	23	19.0	4.0	7.9	1
210-2-SU3-F-8	S	4	F	C	12	19.0	-7.0	-13.9	1
210-2-SU3-F-9	S	4	F	C	15	19.0	-4.0	-7.9	1
210-2-SU3-F-10	S	4	F	C	15	19.0	-4.0	-7.9	1
210-2-SU3-F-11	S	4	F	C	26	19.0	7.0	13.9	1
210-2-SU3-F-12	S	4	F	C	19	19.0	0.0	0.0	1
210-2-SU3-F-13	S	4	F	C	28	19.0	9.0	17.8	1
210-2-SU3-F-14	S	4	F	C	14	19.0	-5.0	-9.9	1
210-2-SU3-F-15	S	4	F	C	14	19.0	-5.0	-9.9	1
210-2-SU3-F-16	S	4	F	C	31	19.0	12.0	23.8	1
210-2-SU3-F-17	S	4	F	C	17	19.0	-2.0	-4.0	1

Mean	**2.4**	
Median	**0.0**	
Minimum	**-13.9**	
Maximum	**23.8**	
Std Dev (1s)	**11.6**	
MARSSIM Sign Test Required?		**YES**
MARSSIM SIGN TEST EVALUATION		
Sum of Positive Signs		**17**
Sign Test Critical Value n=	**17**	**12**
Null Hypothesis Evaluation		***Rejected***

NOTES:

1. Instrument Efficiency Calculated Using Methodology in ISO 7503-1
2. Sample Type: S = Systematic R = Random B = Biased
3. F = Floor W = Wall C = Ceiling B = Beam
4. Surface Materials: C (Concrete), CB (Cinder Block), W (Wood), B (Brick), MD (Metal Door), CP (Carpet), DW (Drywall), L (Linoleum), O (Other)
5. Average of background readings collected in unimpacted areas for each building surface encountered during FSS
6. MARSSIM Sign Test parameter. If Result > DCGLw, Sign = -1, otherwise 1.

Rail Scale - Survey Unit 8

Survey Date:	8/10/2007
Building:	Rail Scale
MARSSIM Class:	2
SU $DCGL_w$ (dpm/100cm^2):	100

Instrument Number	Instrument/Probe Models	Instrument S/N	Probe S/N	Alpha Efficiency[1]	Probe Active Area (cm^2)
1	2229/43-10-1	163827	PR171322	19.48%	100
2	2229/43-10-1	102001	PR103276	17.46%	100
3	2360/43-37	184938	PR178371	8.48%	582
4	2360/43-37	193675	PR216984	8.68%	582
5	2224/43-68	183048	PR161781	9.86%	126

Static Count Time (min):	1.0
Daily BKGD Count Time (min):	1.0

SU Description: Concrete Pad

Sample ID	Sample Type[2]	Instrument Number	Sample Location[3]	Surface Material[4]	Alpha Counts (gross cpm)	Material Specific Background[5] (cpm)	Net Fixed-Point Result (net cpm)	Alpha Residual Surface Activity (dpm/100cm^2)	Alpha Sign Test Parameter[6]
RS1	R	5	F	C	3	7.6	-4.6	-37.0	1
RS2	R	5	F	C	2	7.6	-5.6	-45.1	1
RS3	R	5	F	C	2	7.6	-5.6	-45.1	1
RS4	R	5	F	C	4	7.6	-3.6	-29.0	1
RS5	R	5	F	C	3	7.6	-4.6	-37.0	1
RS6	R	5	F	C	5	7.6	-2.6	-20.9	1
RS7	R	5	F	C	6	7.6	-1.6	-12.9	1
RS8	R	5	F	C	8	7.6	0.4	3.2	1
RS9	R	5	F	C	4	7.6	-3.6	-29.0	1
RS10	R	5	F	C	4	7.6	-3.6	-29.0	1
RS11	R	5	F	C	5	7.6	-2.6	-20.9	1
RS12	R	5	F	C	7	7.6	-0.6	-4.8	1
RS13	R	5	F	C	5	7.6	-2.6	-20.9	1
RS14	R	5	F	C	7	7.6	-0.6	-4.8	1
RS15	R	5	F	C	5	7.6	-2.6	-20.9	1
RS16	R	5	F	C	5	7.6	-2.6	-20.9	1
RS17	R	5	F	C	5	7.6	-2.6	-20.9	1

Mean	**-23.3**	
Median	**-20.9**	
Minimum	**-45.1**	
Maximum	**3.2**	
Std Dev (1s)	**13.6**	
MARSSIM Sign Test Required?		**YES**
MARSSIM SIGN TEST EVALUATION		
Sum of Positive Signs		**17**
Sign Test Critical Value n =	**17**	**12**
Null Hypothesis Evaluation		*Rejected*

NOTES:

1. Instrument Efficiency Calculated Using Methodology in ISO 7503-1
2. Sample Type: S = Systematic R = Random B = Biased
3. F = Floor W = Wall C = Ceiling B = Beam
4. Surface Materials: C (Concrete), CB (Cinder Block), W (Wood), B (Brick), MD (Metal Door), CP (Carpet), DW (Drywall), L (Linoleum), O (Other)
5. Average of background readings collected in unimpacted areas for each building surface encountered during FSS
6. MARSSIM Sign Test parameter. If Result > DCGLw, Sign = -1, otherwise 1.

Rail Scale - Survey Unit 8 - Biased Measurements

Survey Date:	8/10/2007
Building:	Rail Scale
MARSSIM Class:	2
SU $DCGL_w$ (dpm/100cm^2):	100

Instrument Number	Instrument/Probe Models	Instrument S/N	Probe S/N	Alpha Efficiency[1]	Probe Active Area (cm^2)
1	2229/43-10-1	163827	PR171322	19.48%	100
2	2229/43-10-1	102001	PR103276	17.46%	100
3	2360/43-37	184938	PR178371	8.48%	582
4	2360/43-37	193675	PR216984	8.68%	582
5	2224/43-68	183048	PR161781	9.86%	126

Static Count Time (min): 1.0
Daily BKGD Count Time (min): 1.0

SU Description: Concrete Pad

Sample ID	Sample Type[2]	Instrument Number	Sample Location[3]	Surface Material[4]	Alpha Counts (gross cpm)	Material Specific Background[5] (cpm)	Net Fixed-Point Result (net cpm)	Alpha Residual Surface Activity (dpm/100cm^2)	Alpha Sign Test Parameter[6]
FS01	B	5	F	C	0	7.6	-7.6	-61.2	1
FS02	B	5	F	C	2	7.6	-5.6	-45.1	1
FS03	B	5	F	C	0	7.6	-7.6	-61.2	1
FS04	B	5	F	C	4	7.6	-3.6	-29.0	1
FS05	B	5	F	C	0	7.6	-7.6	-61.2	1
FS06	B	5	F	C	5	7.6	-2.6	-20.9	1
FS07	B	5	F	C	3	7.6	-4.6	-37.0	1
FS08	B	5	F	C	4	7.6	-3.6	-29.0	1

Mean	**-43.1**	
Median	**-41.1**	
Minimum	**-61.2**	
Maximum	**-20.9**	
Std Dev (1s)	**16.5**	
MARSSIM Sign Test Required?		**No**

NOTES:

1. Instrument Efficiency Calculated Using Methodology in ISO 7503-1
2. Sample Type: S = Systematic R = Random B = Biased
3. F = Floor W = Wall C = Ceiling B = Beam
4. Surface Materials: C (Concrete), CB (Cinder Block), W (Wood), B (Brick), MD (Metal Door), CP (Carpet), DW (Drywall), L (Linoleum), O (Other)
5. Average of background readings collected in unimpacted areas for each building surface encountered during FSS

Attachment 2

Adjusted Removable Surface Activity Measurements

Building 124, Class 3

Instrument and Survey Information - 2007 Survey

alpha eff.	Sample Count Time (min)	Background Count Time (min)	Removable Limit alpha dpm/100 cm^2
19.47%	5.0	20.0	10

Instrument and Survey Information - 2006 Survey

alpha eff.	Sample Count Time (min)	Background Count Time (min)
17.72%	4.0	20.0

Survey Unit 124-F

	ID	Date	Background Counts alpha	Sample Counts alpha	Background cpm alpha	Sample cpm alpha	Sample (dpm/100 cm^2) alpha
1	124-F-1	11/16/2006	2	3	0.1	0.75	3.7
2	124-F-2	11/16/2006	2	4	0.1	1.00	5.1
3	124-F-3	11/16/2006	2	1	0.1	0.25	0.8
4	124-F-4	11/16/2006	2	0	0.1	0.00	-0.6
5	124-F-5	11/16/2006	2	2	0.1	0.50	2.3
6	124-F-6	11/16/2006	2	0	0.1	0.00	-0.6
7	124-F-7	11/16/2006	2	0	0.1	0.00	-0.6
8	124-F-8	11/16/2006	2	0	0.1	0.00	-0.6
9	124-F-9	11/16/2006	2	1	0.1	0.25	0.8
10	124-F-10	11/16/2006	2	1	0.1	0.25	0.8
11	124-F-11	11/16/2006	2	2	0.1	0.50	2.3
12	124-F-12	11/16/2006	2	0	0.1	0.00	-0.6
13	124-F-13	11/16/2006	2	1	0.1	0.25	0.8
14	124-F-14	11/16/2006	2	1	0.1	0.25	0.8
15	124-F-15	11/16/2006	2	0	0.1	0.00	-0.6
16	124-F-16	11/16/2006	2	1	0.1	0.25	0.8
17	124-F-17	11/16/2006	2	1	0.1	0.25	0.8
						Mean	0.9
						Median	0.8
						SD	1.6
						Minimum	-0.6
						Maximum	5.1

Survey Unit 124-W

	ID	Date	Background Counts alpha	Sample Counts alpha	Background cpm alpha	Sample cpm alpha	Sample (dpm/100 cm^2) alpha
1	124-W-1	11/17/2006	3	0	0.2	0.00	-0.8
2	124-W-2	11/17/2006	3	2	0.2	0.50	2.0
3	124-W-3	11/17/2006	3	0	0.2	0.00	-0.8
4	124-W-4	11/17/2006	3	0	0.2	0.00	-0.8
5	124-W-5	11/17/2006	3	2	0.2	0.50	2.0
6	124-W-6	11/17/2006	3	0	0.2	0.00	-0.8
7	124-W-7	11/17/2006	3	0	0.2	0.00	-0.8
8	124-W-8	11/17/2006	3	1	0.2	0.25	0.6
9	124-W-9	11/17/2006	3	2	0.2	0.50	2.0
10	124-W-10	11/17/2006	3	0	0.2	0.00	-0.8
11	124-W-11	11/17/2006	3	1	0.2	0.25	0.6
12	124-W-12	11/17/2006	3	1	0.2	0.25	0.6
13	124-W-13	11/17/2006	3	1	0.2	0.25	0.6
14	124-W-14	11/17/2006	3	2	0.2	0.50	2.0
15	124-W-15	11/17/2006	3	0	0.2	0.00	-0.8
16	124-W-16	11/17/2006	3	1	0.2	0.25	0.6
17	124-W-17	11/17/2006	3	0	0.2	0.00	-0.8
						Mean	0.2
						Median	0.6
						SD	1.2
						Minimum	-0.8
						Maximum	2.0

Building 129A, Class 2 (Floors and Lower Walls)

Instrument and Survey Information - 2007 Survey

alpha eff.
19.47%

Sample Count Time (min)	Background Count Time (min)	Removable Limit alpha dpm/100 cm²
5.0	20.0	10

Instrument and Survey Information - 2006 Survey

alpha eff.
17.72%

Sample Count Time (min)	Background Count Time (min)
4.0	20.0

Survey Unit 129A-F

	ID	Date	Background Counts alpha	Sample Counts alpha	Background cpm alpha	Sample cpm alpha	Sample (dpm/100 cm²) alpha
1	129A-1	6/27/2007	6	2	0.3	0.40	0.5
2	129A-2	6/27/2007	6	4	0.3	0.80	2.6
3	129A-3	6/27/2007	6	2	0.3	0.40	0.5
4	129A-4	6/27/2007	6	3	0.3	0.60	1.5
5	129A-5	6/27/2007	6	1	0.3	0.20	-0.5
6	129A-6	6/27/2007	6	3	0.3	0.60	1.5
7	129A-7	6/27/2007	6	4	0.3	0.80	2.6
8	129A-8	6/27/2007	6	4	0.3	0.80	2.6
9	129A-9	6/27/2007	6	0	0.3	0.00	-1.5
10	129A-10	6/27/2007	6	2	0.3	0.40	0.5
11	129A-11	6/27/2007	6	0	0.3	0.00	-1.5
12	129A-12	6/27/2007	6	2	0.3	0.40	0.5
13	129A-13	6/27/2007	6	1	0.3	0.20	-0.5
14	129A-14	6/27/2007	6	2	0.3	0.40	0.5
15	129A-15	6/27/2007	6	1	0.3	0.20	-0.5
16	129A-16	6/27/2007	6	1	0.3	0.20	-0.5
17	129A-17	6/27/2007	6	2	0.3	0.40	0.5
						Mean	0.5
						Median	0.5
						SD	1.3
						Minimum	-1.5
						Maximum	2.6

Building 136, Class 3

Instrument and Survey Information - 2007 Survey

alpha eff.
19.47%

Sample Count Time (min)	Background Count Time (min)
5.0	20.0

Removable Limit alpha dpm/100 cm²
4

Instrument and Survey Information - 2006 Survey

alpha eff.
17.72%

Sample Count Time (min)	Background Count Time (min)
4.0	20.0

Survey Unit 136-F

	ID	Date	Background Counts alpha	Sample Counts alpha	Background cpm alpha	Sample cpm alpha	Sample (dpm/100 cm²) alpha
1	136-F-1	11/20/2006	4	0	0.2	0.00	-1.1
2	136-F-2	11/20/2006	4	0	0.2	0.00	-1.1
3	136-F-3	11/20/2006	4	1	0.2	0.25	0.3
4	136-F-4	11/20/2006	4	0	0.2	0.00	-1.1
5	136-F-5	11/20/2006	4	2	0.2	0.50	1.7
6	136-F-6	11/20/2006	4	0	0.2	0.00	-1.1
7	136-F-7	11/20/2006	4	0	0.2	0.00	-1.1
8	136-F-8	11/20/2006	4	2	0.2	0.50	1.7
9	136-F-9	11/20/2006	4	0	0.2	0.00	-1.1
10	136-F-10	11/20/2006	4	0	0.2	0.00	-1.1
11	136-F-11	11/20/2006	4	0	0.2	0.00	-1.1
12	136-F-12	11/20/2006	4	0	0.2	0.00	-1.1
13	136-F-13	11/20/2006	4	0	0.2	0.00	-1.1
14	136-F-14	11/20/2006	4	0	0.2	0.00	-1.1
15	136-F-15	11/20/2006	4	0	0.2	0.00	-1.1
16	136-F-16	11/20/2006	4	0	0.2	0.00	-1.1
17	136-F-17	11/20/2006	4	0	0.2	0.00	-1.1
						Mean	-0.7
						Median	-1.1
						SD	1.0
						Minimum	-1.1
						Maximum	1.7

Survey Unit 136-W

	ID	Date	Background Counts alpha	Sample Counts alpha	Background cpm alpha	Sample cpm alpha	Sample (dpm/100 cm²) alpha
1	136-W-1	11/20/2006	4	0	0.2	0.00	-1.1
2	136-W-2	11/20/2006	4	4	0.2	1.00	4.5
3	136-W-3	11/20/2006	4	0	0.2	0.00	-1.1
4	136-W-4	11/20/2006	4	2	0.2	0.50	1.7
5	136-W-5	11/20/2006	4	0	0.2	0.00	-1.1
6	136-W-6	11/20/2006	4	0	0.2	0.00	-1.1
7	136-W-7	11/20/2006	4	0	0.2	0.00	-1.1
8	136-W-8	11/20/2006	4	1	0.2	0.25	0.3
9	136-W-9	11/20/2006	4	2	0.2	0.50	1.7
10	136-W-10	11/20/2006	4	2	0.2	0.50	1.7
11	136-W-11	11/20/2006	4	0	0.2	0.00	-1.1
12	136-W-12	11/20/2006	4	0	0.2	0.00	-1.1
13	136-W-13	11/20/2006	4	2	0.2	0.50	1.7
14	136-W-14	11/20/2006	4	0	0.2	0.00	-1.1
15	136-W-15	11/20/2006	4	0	0.2	0.00	-1.1
16	136-W-16	11/20/2006	4	2	0.2	0.50	1.7
17	136-W-17	11/20/2006	4	2	0.2	0.50	1.7
						Mean	0.3
						Median	-1.1
						SD	1.7
						Minimum	-1.1
						Maximum	4.5

Building 141, Class 3

Instrument and Survey Information - 2007 Survey

alpha eff.
19.47%

Sample Count Time (min)	Background Count Time (min)	Removable Limit alpha dpm/100 cm^2
5.0	20.0	10

Instrument and Survey Information - 2006 Survey

alpha eff.
17.72%

Sample Count Time (min)	Background Count Time (min)
4.0	20.0

Survey Unit 141-F

	ID	Date	Background Counts alpha	Sample Counts alpha	Background cpm alpha	Sample cpm alpha	Sample (dpm/100 cm^2) alpha
1	141-1	6/26/2007	6	0	0.3	0.00	-1.5
2	141-2	6/26/2007	6	0	0.3	0.00	-1.5
3	141-3	6/26/2007	6	0	0.3	0.00	-1.5
4	141-4	6/26/2007	6	2	0.3	0.40	0.5
5	141-5	6/26/2007	6	0	0.3	0.00	-1.5
6	141-6	6/26/2007	6	2	0.3	0.40	0.5
7	141-7	6/26/2007	6	2	0.3	0.40	0.5
8	141-8	6/26/2007	6	2	0.3	0.40	0.5
9	141-9	6/26/2007	6	3	0.3	0.60	1.5
10	141-10	6/26/2007	6	1	0.3	0.20	-0.5
11	141-11	6/26/2007	6	1	0.3	0.20	-0.5
12	141-12	6/26/2007	6	3	0.3	0.60	1.5
13	141-13	6/26/2007	6	5	0.3	1.00	3.6
14	141-14	6/26/2007	6	1	0.3	0.20	-0.5
15	141-15	6/26/2007	6	2	0.3	0.40	0.5
16	141-16	6/26/2007	6	3	0.3	0.60	1.5
17	141-17	6/26/2007	6	2	0.3	0.40	0.5
						Mean	0.2
						Median	0.5
						SD	1.4
						Minimum	-1.5
						Maximum	3.6

Building 145, Class 3

Instrument and Survey Information - 2007 Survey

alpha eff.	Sample Count Time (min)	Background Count Time (min)	Removable Limit alpha dpm/100 cm^2
19.47%	5.0	20.0	10

Instrument and Survey Information - 2006 Survey

alpha eff.	Sample Count Time (min)	Background Count Time (min)
17.72%	4.0	20.0

Survey Unit 145-F

	ID	Date	Background Counts alpha	Sample Counts alpha	Background cpm alpha	Sample cpm alpha	Sample (dpm/100 cm^2) alpha
1	145-10	6/27/2007	6	1	0.3	0.20	-0.5
2	145-6	6/27/2007	6	2	0.3	0.40	0.5
3	145-2	6/27/2007	6	3	0.3	0.60	1.5
4	145-14	6/27/2007	6	1	0.3	0.20	-0.5
5	145-8	6/27/2007	6	2	0.3	0.40	0.5
6	145-17	6/27/2007	6	0	0.3	0.00	-1.5
7	145-7	6/27/2007	6	2	0.3	0.40	0.5
8	145-9	6/27/2007	6	0	0.3	0.00	-1.5
9	145-16	6/27/2007	6	3	0.3	0.60	1.5
10	145-15	6/27/2007	6	0	0.3	0.00	-1.5
11	145-1	6/27/2007	6	1	0.3	0.20	-0.5
12	145-3	6/27/2007	6	1	0.3	0.20	-0.5
13	145-13	6/27/2007	6	1	0.3	0.20	-0.5
14	145-11	6/27/2007	6	0	0.3	0.00	-1.5
15	145-4	6/27/2007	6	1	0.3	0.20	-0.5
16	145-5	6/27/2007	6	1	0.3	0.20	-0.5
17	145-12	6/27/2007	6	1	0.3	0.20	-0.5
						Mean	-0.3
						Median	-0.5
						SD	1.0
						Minimum	-1.5
						Maximum	1.5

Building 146, Class 3

Instrument and Survey Information - 2007 Survey

alpha eff.
19.47%

Sample Count Time (min)	Background Count Time (min)	Removable Limit alpha dpm/100 cm^2
5.0	20.0	10

Instrument and Survey Information - 2006 Survey

alpha eff.
17.72%

Sample Count Time (min)	Background Count Time (min)
4.0	20.0

Survey Unit 146-F

	ID	Date	Background Counts alpha	Sample Counts alpha	Background cpm alpha	Sample cpm alpha	Sample (dpm/100 cm^2) alpha
1	146-F-1	11/17/2006	3	2	0.2	0.50	2.0
2	146-F-2	11/17/2006	3	0	0.2	0.00	-0.8
3	146-F-3	11/17/2006	3	4	0.2	1.00	4.8
4	146-F-4	11/17/2006	3	1	0.2	0.25	0.6
5	146-F-5	11/17/2006	3	2	0.2	0.50	2.0
6	146-F-6	11/17/2006	3	0	0.2	0.00	-0.8
7	146-F-7	11/17/2006	3	0	0.2	0.00	-0.8
8	146-F-8	11/17/2006	3	1	0.2	0.25	0.6
9	146-F-9	11/17/2006	3	0	0.2	0.00	-0.8
10	146-F-10	11/17/2006	3	0	0.2	0.00	-0.8
11	146-F-11	11/17/2006	3	0	0.2	0.00	-0.8
12	146-F-12	11/17/2006	3	0	0.2	0.00	-0.8
13	146-F-13	11/17/2006	3	0	0.2	0.00	-0.8
14	146-F-14	11/17/2006	3	0	0.2	0.00	-0.8
15	146-F-15	11/17/2006	3	0	0.2	0.00	-0.8
16	146-F-16	11/17/2006	3	0	0.2	0.00	-0.8
17	146-F-17	11/17/2006	3	0	0.2	0.00	-0.8
						Mean	0.0
						Median	-0.8
						SD	1.6
						Minimum	-0.8
						Maximum	4.8

Survey Unit 146-W

	ID	Date	Background Counts alpha	Sample Counts alpha	Background cpm alpha	Sample cpm alpha	Sample (dpm/100 cm^2) alpha
773	146-W-1	11/21/2006	4	0	0.2	0.00	-1.1
774	146-W-2	11/21/2006	4	4	0.2	1.00	4.5
775	146-W-3	11/21/2006	4	3	0.2	0.75	3.1
776	146-W-4	11/21/2006	4	6	0.2	1.50	7.3
777	146-W-5	11/21/2006	4	6	0.2	1.50	7.3
778	146-W-6	11/21/2006	4	2	0.2	0.50	1.7
779	146-W-7	11/21/2006	4	0	0.2	0.00	-1.1
780	146-W-8	11/21/2006	4	0	0.2	0.00	-1.1
781	146-W-9	11/21/2006	4	2	0.2	0.50	1.7
782	146-W-10	11/21/2006	4	0	0.2	0.00	-1.1
783	146-W-11	11/21/2006	4	2	0.2	0.50	1.7
784	146-W-12	11/21/2006	4	4	0.2	1.00	4.5
785	146-W-13	11/21/2006	4	0	0.2	0.00	-1.1
786	146-W-14	11/21/2006	4	0	0.2	0.00	-1.1
787	146-W-15	11/21/2006	4	1	0.2	0.25	0.3
788	146-W-16	11/21/2006	4	2	0.2	0.50	1.7
789	146-W-17	11/21/2006	4	0	0.2	0.00	-1.1
						Mean	1.5
						Median	1.7
						SD	2.9
						Minimum	-1.1
						Maximum	7.3

Warehouse 210, Sections 1, 2, 3 and 4, Class 3

Instrument and Survey Information - 2007 Survey

alpha eff.
19.47%

Sample Count Time (min)	Background Count Time (min)	Removable Limit alpha dpm/100 cm²
5.0	20.0	4

Instrument and Survey Information - 2006 Survey

alpha eff.
17.72%

Sample Count Time (min)	Background Count Time (min)
4.0	20.0

Survey Unit 210-F

	ID	Date	Background Counts alpha	Sample Counts alpha	Background cpm alpha	Sample cpm alpha	Sample (dpm/100 cm²) alpha
1	210-F-1	6/5/2007	4	5	0.2	1.00	4.1
2	210-F-2	6/18/2007	2	3	0.1	0.60	2.6
3	210-F-3	6/18/2007	2	1	0.1	0.20	0.5
4	210-F-4	6/5/2007	4	1	0.2	0.20	0.0
5	210-F-5	6/5/2007	4	2	0.2	0.40	1.0
6	210-F-6	6/5/2007	4	0	0.2	0.00	-1.0
7	210-F-7	6/5/2007	4	4	0.2	0.80	3.1
8	210-F-8	6/5/2007	4	5	0.2	1.00	4.1
9	210-F-9	6/5/2007	4	4	0.2	0.80	3.1
10	210-F-10	6/18/2007	2	2	0.1	0.40	1.5
11	210-F-11	6/5/2007	4	1	0.2	0.20	0.0
12	210-F-12	6/5/2007	4	2	0.2	0.40	1.0
13	210-F-13	6/5/2007	4	4	0.2	0.80	3.1
14	210-F-14	6/5/2007	4	4	0.2	0.80	3.1
15	210-F-15	6/5/2007	4	0	0.2	0.00	-1.0
16	210-F-16	6/18/2007	2	1	0.1	0.20	0.5
17	210-F-17	6/5/2007	4	2	0.2	0.40	1.0
						Mean	1.6
						Median	1.0
						SD	1.7
						Minimum	-1.0
						Maximum	4.1

Survey Unit 210-W

	ID	Date	Background Counts alpha	Sample Counts alpha	Background cpm alpha	Sample cpm alpha	Sample (dpm/100 cm²) alpha
1	210-W-1	6/18/2007	2	0	0.1	0.00	-0.5
2	210-W-2	6/18/2007	2	0	0.1	0.00	-0.5
3	210-W-3	6/18/2007	2	1	0.1	0.20	0.5
4	210-W-4	6/18/2007	2	2	0.1	0.40	1.5
5	210-W-5	6/5/2007	4	2	0.2	0.40	1.0
6	210-W-6	6/5/2007	4	6	0.2	1.20	5.1
7	210-W-7	6/5/2007	4	1	0.2	0.20	0.0
8	210-W-8	6/5/2007	4	2	0.2	0.40	1.0
9	210-W-9	6/5/2007	4	1	0.2	0.20	0.0
10	210-W-10	6/5/2007	4	0	0.2	0.00	-1.0
11	210-W-11	6/5/2007	4	5	0.2	1.00	4.1
12	210-W-12	6/5/2007	4	0	0.2	0.00	-1.0
13	210-W-13	6/5/2007	4	2	0.2	0.40	1.0
14	210-W-14	6/5/2007	4	2	0.2	0.40	1.0
15	210-W-15	6/5/2007	4	1	0.2	0.20	0.0
16	210-W-16	6/5/2007	4	1	0.2	0.20	0.0
17	210-W-17	6/5/2007	4	5	0.2	1.00	4.1
						Mean	1.0
						Median	0.5
						SD	1.8
						Minimum	-1.0
						Maximum	5.1

Warehouse 211, Sections 1 and 2, Class 3

Instrument and Survey Information - 2007 Survey

alpha eff.
19.47%

Sample Count Time (min)	Background Count Time (min)	Removable Limit alpha dpm/100 cm^2
5.0	20.0	6

Instrument and Survey Information - 2006 Survey

alpha eff.
17.72%

Sample Count Time (min)	Background Count Time (min)
4.0	20.0

Survey Unit 211-F

	ID	Date	Background Counts alpha	Sample Counts alpha	Background cpm alpha	Sample cpm alpha	Sample (dpm/100 cm^2) alpha
1	211-F-1	11/9/2006	1	1	0.1	0.25	1.1
2	211-F-2	11/9/2006	1	1	0.1	0.25	1.1
3	211-F-3	11/9/2006	1	2	0.1	0.50	2.5
4	211-F-4	11/9/2006	1	1	0.1	0.25	1.1
5	211-F-5	11/9/2006	1	1	0.1	0.25	1.1
6	211-F-6	11/9/2006	1	0	0.1	0.00	-0.3
7	211-F-7	11/9/2006	1	1	0.1	0.25	1.1
8	211-F-8	11/9/2006	1	0	0.1	0.00	-0.3
9	211-F-9	11/9/2006	1	0	0.1	0.00	-0.3
10	211-F-10	11/9/2006	1	1	0.1	0.25	1.1
11	211-F-11	11/9/2006	1	0	0.1	0.00	-0.3
12	211-F-12	11/9/2006	1	1	0.1	0.25	1.1
13	211-F-13	11/9/2006	1	0	0.1	0.00	-0.3
14	211-F-14	11/9/2006	1	1	0.1	0.25	1.1
15	211-F-15	11/9/2006	1	1	0.1	0.25	1.1
16	211-F-16	11/9/2006	1	0	0.1	0.00	-0.3
17	211-F-17	11/9/2006	1	0	0.1	0.00	-0.3
						Mean	0.6
						Median	1.1
						SD	0.9
						Minimum	-0.3
						Maximum	2.5

Survey Unit 211-W

	ID	Date	Background Counts alpha	Sample Counts alpha	Background cpm alpha	Sample cpm alpha	Sample (dpm/100 cm^2) alpha
1	211-W-1	11/20/2006	4	0	0.2	0.00	-1.1
2	211-W-2	11/20/2006	4	0	0.2	0.00	-1.1
3	211-W-3	11/20/2006	4	0	0.2	0.00	-1.1
4	211-W-4	11/20/2006	4	4	0.2	1.00	4.5
5	211-W-5	11/20/2006	4	0	0.2	0.00	-1.1
6	211-W-6	11/20/2006	4	0	0.2	0.00	-1.1
7	211-W-7	11/20/2006	4	0	0.2	0.00	-1.1
8	211-W-8	11/20/2006	4	0	0.2	0.00	-1.1
9	211-W-9	11/20/2006	4	0	0.2	0.00	-1.1
10	211-W-10	11/20/2006	4	0	0.2	0.00	-1.1
11	211-W-11	11/20/2006	4	0	0.2	0.00	-1.1
12	211-W-12	11/20/2006	4	0	0.2	0.00	-1.1
13	211-W-13	11/20/2006	4	0	0.2	0.00	-1.1
14	211-W-14	11/20/2006	4	0	0.2	0.00	-1.1
15	211-W-15	11/20/2006	4	0	0.2	0.00	-1.1
16	211-W-16	11/20/2006	4	0	0.2	0.00	-1.1
17	211-W-17	11/20/2006	4	0	0.2	0.00	-1.1
						Mean	-0.8
						Median	-1.1
						SD	1.4
						Minimum	-1.1
						Maximum	4.5

Warehouse 212, Sections 1 and 2, Class 3

Instrument and Survey Information - 2007 Survey

alpha eff.
19.47%

Sample Count Time (min)	Background Count Time (min)	Removable Limit alpha dpm/100 cm²
5.0	20.0	10

Instrument and Survey Information - 2006 Survey

alpha eff.
17.72%

Sample Count Time (min)	Background Count Time (min)
4.0	20.0

Survey Unit 212-F

	ID	Date	Background Counts alpha	Sample Counts alpha	Background cpm alpha	Sample cpm alpha	Sample (dpm/100 cm²) alpha
1	212-F-1	11/13/2006	4	1	0.2	0.25	0.3
2	212-F-2	11/13/2006	4	2	0.2	0.50	1.7
3	212-F-3	11/13/2006	4	1	0.2	0.25	0.3
4	212-F-4	11/13/2006	4	0	0.2	0.00	-1.1
5	212-F-5	11/13/2006	4	0	0.2	0.00	-1.1
6	212-F-6	11/13/2006	4	1	0.2	0.25	0.3
7	212-F-7	11/13/2006	4	1	0.2	0.25	0.3
8	212-F-8	11/13/2006	4	2	0.2	0.50	1.7
9	212-F-9	11/13/2006	4	0	0.2	0.00	-1.1
10	212-F-10	11/13/2006	4	2	0.2	0.50	1.7
11	212-F-11	11/13/2006	4	0	0.2	0.00	-1.1
12	212-F-12	11/13/2006	4	2	0.2	0.50	1.7
13	212-F-13	11/13/2006	4	0	0.2	0.00	-1.1
14	212-F-14	11/13/2006	4	2	0.2	0.50	1.7
15	212-F-15	11/13/2006	4	0	0.2	0.00	-1.1
16	212-F-16	11/13/2006	4	0	0.2	0.00	-1.1
17	212-F-17	11/13/2006	4	1	0.2	0.25	0.3
						Mean	0.1
						Median	0.3
						SD	1.2
						Minimum	-1.1
						Maximum	1.7

Survey Unit 212-W

	ID	Date	Background Counts alpha	Sample Counts alpha	Background cpm alpha	Sample cpm alpha	Sample (dpm/100 cm²) alpha
1	212-W-1	11/14/2006	4	0	0.2	0.00	-1.1
2	212-W-2	11/14/2006	4	1	0.2	0.25	0.3
3	212-W-3	11/14/2006	4	2	0.2	0.50	1.7
4	212-W-4	11/14/2006	4	2	0.2	0.50	1.7
5	212-W-5	11/14/2006	4	2	0.2	0.50	1.7
6	212-W-6	11/14/2006	4	4	0.2	1.00	4.5
7	212-W-7	11/14/2006	4	0	0.2	0.00	-1.1
8	212-W-8	11/14/2006	4	1	0.2	0.25	0.3
9	212-W-9	11/14/2006	4	0	0.2	0.00	-1.1
10	212-W-10	11/14/2006	4	1	0.2	0.25	0.3
11	212-W-11	11/14/2006	4	3	0.2	0.75	3.1
12	212-W-12	11/14/2006	4	0	0.2	0.00	-1.1
13	212-W-13	11/14/2006	4	1	0.2	0.25	0.3
14	212-W-14	11/14/2006	4	0	0.2	0.00	-1.1
15	212-W-15	11/14/2006	4	2	0.2	0.50	1.7
16	212-W-16	11/14/2006	4	2	0.2	0.50	1.7
17	212-W-17	11/14/2006	4	1	0.2	0.25	0.3
						Mean	0.7
						Median	0.3
						SD	1.6
						Minimum	-1.1
						Maximum	4.5

Warehouse 213, Sections 1, 2, 3 and 4, Class 3

Instrument and Survey Information - 2007 Survey

alpha eff.
19.47%

Sample Count Time (min)	Background Count Time (min)	Removable Limit alpha dpm/100 cm^2
5.0	20.0	4

Instrument and Survey Information - 2006 Survey

alpha eff.
17.72%

Sample Count Time (min)	Background Count Time (min)
4.0	20.0

Survey Unit 213-F

	ID	Date	Background Counts alpha	Sample Counts alpha	Background cpm alpha	Sample cpm alpha	Sample (dpm/100 cm^2) alpha
1	213-F-1	11/13/2006	4	0	0.2	0.00	-1.1
2	213-F-2	11/13/2006	4	1	0.2	0.25	0.3
3	213-F-3	11/13/2006	4	0	0.2	0.00	-1.1
4	213-F-4	11/13/2006	4	0	0.2	0.00	-1.1
5	213-F-5	11/13/2006	4	2	0.2	0.50	1.7
6	213-F-6	11/13/2006	4	2	0.2	0.50	1.7
7	213-F-7	11/13/2006	4	3	0.2	0.75	3.1
8	213-F-8	11/13/2006	4	0	0.2	0.00	-1.1
9	213-F-9	11/13/2006	4	0	0.2	0.00	-1.1
10	213-F-10	11/13/2006	4	2	0.2	0.50	1.7
11	213-F-11	11/13/2006	4	2	0.2	0.50	1.7
12	213-F-12	11/13/2006	4	0	0.2	0.00	-1.1
13	213-F-13	11/13/2006	4	0	0.2	0.00	-1.1
14	213-F-14	11/13/2006	4	0	0.2	0.00	-1.1
15	213-F-15	11/13/2006	4	2	0.2	0.50	1.7
16	213-F-16	11/13/2006	4	0	0.2	0.00	-1.1
17	213-F-17	11/13/2006	4	1	0.2	0.25	0.3
						Mean	0.1
						Median	-1.1
						SD	1.5
						Minimum	-1.1
						Maximum	3.1

Survey Unit 213-W

	ID	Date	Background Counts alpha	Sample Counts alpha	Background cpm alpha	Sample cpm alpha	Sample (dpm/100 cm^2) alpha
1	213-W-1	11/21/2006	4	2	0.2	0.50	1.7
2	213-W-2	11/21/2006	4	3	0.2	0.75	3.1
3	213-W-3	11/21/2006	4	1	0.2	0.25	0.3
4	213-W-4	11/21/2006	4	1	0.2	0.25	0.3
5	213-W-5	11/21/2006	4	0	0.2	0.00	-1.1
6	213-W-6	11/21/2006	4	2	0.2	0.50	1.7
7	213-W-7	11/21/2006	4	3	0.2	0.75	3.1
8	213-W-8	11/21/2006	4	4	0.2	1.00	4.5
9	213-W-9	11/21/2006	4	1	0.2	0.25	0.3
10	213-W-10	11/21/2006	4	2	0.2	0.50	1.7
11	213-W-11	11/21/2006	4	0	0.2	0.00	-1.1
12	213-W-12	11/21/2006	4	2	0.2	0.50	1.7
13	213-W-13	11/21/2006	4	3	0.2	0.75	3.1
14	213-W-14	11/21/2006	4	1	0.2	0.25	0.3
15	213-W-15	11/21/2006	4	2	0.2	0.50	1.7
16	213-W-16	11/21/2006	4	2	0.2	0.50	1.7
17	213-W-17	11/21/2006	4	3	0.2	0.75	3.1
						Mean	1.5
						Median	1.7
						SD	1.6
						Minimum	-1.1
						Maximum	4.5

Warehouse 214, Sections 1, 2, 3 and 4, Class 3

Instrument and Survey Information - 2007 Survey

alpha eff.
19.47%

Sample Count Time (min)	Background Count Time (min)	Removable Limit alpha dpm/100 cm²
5.0	20.0	4

Instrument and Survey Information - 2006 Survey

alpha eff.
17.72%

Sample Count Time (min)	Background Count Time (min)
4.0	20.0

Survey Unit 214-F

	ID	Date	Background Counts alpha	Sample Counts alpha	Background cpm alpha	Sample cpm alpha	Sample (dpm/100 cm²) alpha
1	214-F-1	6/6/2007	4	4	0.2	0.80	3.1
2	214-F-2	6/6/2007	4	2	0.2	0.40	1.0
3	214-F-3	6/6/2007	4	2	0.2	0.40	1.0
4	214-F-4	6/6/2007	4	1	0.2	0.20	0.0
5	214-F-5	6/19/2007	5	1	0.3	0.20	-0.3
6	214-F-6	6/19/2007	5	4	0.3	0.80	2.8
7	214-F-7	6/19/2007	5	2	0.3	0.40	0.8
8	214-F-8	6/19/2007	5	1	0.3	0.20	-0.3
9	214-F-9	6/19/2007	5	1	0.3	0.20	-0.3
10	214-F-10	6/19/2007	5	1	0.3	0.20	-0.3
11	214-F-11	6/19/2007	5	0	0.3	0.00	-1.3
12	214-F-12	6/19/2007	5	0	0.3	0.00	-1.3
13	214-F-13	6/19/2007	5	1	0.3	0.20	-0.3
14	214-F-14	6/27/2007	6	1	0.3	0.20	-0.5
15	214-F-15	6/27/2007	6	1	0.3	0.20	-0.5
16	214-F-16	6/27/2007	6	2	0.3	0.40	0.5
17	214-F-17	6/27/2007	6	2	0.3	0.40	0.5
						Mean	0.3
						Median	-0.3
						SD	1.2
						Minimum	-1.3
						Maximum	3.1

Survey Unit 214-W

	ID	Date	Background Counts alpha	Sample Counts alpha	Background cpm alpha	Sample cpm alpha	Sample (dpm/100 cm²) alpha
1	214-W-1	6/6/2007	4	2	0.2	0.40	1.0
2	214-W-2	6/6/2007	4	1	0.2	0.20	0.0
3	214-W-3	6/6/2007	4	1	0.2	0.20	0.0
4	214-W-4	6/6/2007	4	0	0.2	0.00	-1.0
5	214-W-5	6/6/2007	4	1	0.2	0.20	0.0
6	214-W-6	6/6/2007	4	1	0.2	0.20	0.0
7	214-W-7	6/6/2007	4	1	0.2	0.20	0.0
8	214-W-8	6/6/2007	4	0	0.2	0.00	-1.0
9	214-W-9	6/6/2007	4	2	0.2	0.40	1.0
10	214-W-10	6/6/2007	4	1	0.2	0.20	0.0
11	214-W-11	6/6/2007	4	0	0.2	0.00	-1.0
12	214-W-12	6/6/2007	4	5	0.2	1.00	4.1
13	214-W-13	6/6/2007	4	1	0.2	0.20	0.0
14	214-W-14	6/26/2007	6	0	0.3	0.00	-1.5
15	214-W-15	6/26/2007	6	3	0.3	0.60	1.5
16	214-W-16	6/26/2007	6	2	0.3	0.40	0.5
17	214-W-17	6/26/2007	6	3	0.3	0.60	1.5
						Mean	0.3
						Median	0.0
						SD	1.3
						Minimum	-1.5
						Maximum	4.1

Warehouse 215, Sections 1 and 2, Class 3

Instrument and Survey Information - 2007 Survey

alpha eff.
19.47%

Sample Count Time (min)	Background Count Time (min)	Removable Limit alpha dpm/100 cm²
5.0	20.0	4

Instrument and Survey Information - 2006 Survey

alpha eff.
17.72%

Sample Count Time (min)	Background Count Time (min)
4.0	20.0

Survey Unit 215-F

	ID	Date	Background Counts alpha	Sample Counts alpha	Background cpm alpha	Sample cpm alpha	Sample (dpm/100 cm²) alpha
1	215-F-1	11/8/2006	1	0	0.1	0.00	-0.3
2	215-F-2	11/8/2006	1	0	0.1	0.00	-0.3
3	215-F-3	11/8/2006	1	3	0.1	0.75	4.0
4	215-F-4	11/9/2006	1	4	0.1	1.00	5.4
5	215-F-5	11/9/2006	1	1	0.1	0.25	1.1
6	215-F-6	11/9/2006	1	0	0.1	0.00	-0.3
7	215-F-7	11/9/2006	1	1	0.1	0.25	1.1
8	215-F-8	11/9/2006	1	0	0.1	0.00	-0.3
9	215-F-9	11/9/2006	1	1	0.1	0.25	1.1
10	215-F-10	11/9/2006	1	0	0.1	0.00	-0.3
11	215-F-11	11/9/2006	1	1	0.1	0.25	1.1
12	215-F-12	11/9/2006	1	0	0.1	0.00	-0.3
13	215-F-13	11/9/2006	1	0	0.1	0.00	-0.3
14	215-F-14	11/9/2006	1	1	0.1	0.25	1.1
15	215-F-15	11/9/2006	1	0	0.1	0.00	-0.3
16	215-F-16	11/9/2006	1	0	0.1	0.00	-0.3
17	215-F-17	11/9/2006	1	2	0.1	0.50	2.5
						Mean	0.9
						Median	-0.3
						SD	1.7
						Minimum	-0.3
						Maximum	5.4

Survey Unit 215-W

	ID	Date	Background Counts alpha	Sample Counts alpha	Background cpm alpha	Sample cpm alpha	Sample (dpm/100 cm²) alpha
1	215-W-1	11/14/2006	4	0	0.2	0.00	-1.1
2	215-W-2	11/14/2006	4	0	0.2	0.00	-1.1
3	215-W-3	11/14/2006	4	2	0.2	0.50	1.7
4	215-W-4	11/14/2006	4	0	0.2	0.00	-1.1
5	215-W-5	11/14/2006	4	0	0.2	0.00	-1.1
6	215-W-6	11/14/2006	4	0	0.2	0.00	-1.1
7	215-W-7	11/14/2006	4	0	0.2	0.00	-1.1
8	215-W-8	11/14/2006	4	1	0.2	0.25	0.3
9	215-W-9	11/14/2006	4	2	0.2	0.50	1.7
10	215-W-10	11/14/2006	4	2	0.2	0.50	1.7
11	215-W-11	11/14/2006	4	2	0.2	0.50	1.7
12	215-W-12	11/14/2006	4	1	0.2	0.25	0.3
13	215-W-13	11/14/2006	4	2	0.2	0.50	1.7
14	215-W-14	11/14/2006	4	1	0.2	0.25	0.3
15	215-W-15	11/14/2006	4	2	0.2	0.50	1.7
16	215-W-16	11/14/2006	4	0	0.2	0.00	-1.1
17	215-W-17	11/14/2006	4	3	0.2	0.75	3.1
						Mean	0.4
						Median	0.3
						SD	1.5
						Minimum	-1.1
						Maximum	3.1

Warehouse 215, Section 4, Class 3

Instrument and Survey Information - 2007 Survey

alpha eff.
19.47%

Sample Count Time (min)	Background Count Time (min)	Removable Limit alpha dpm/100 cm²
5.0	20.0	4

Instrument and Survey Information - 2006 Survey

alpha eff.
17.72%

Sample Count Time (min)	Background Count Time (min)
4.0	20.0

Survey Unit 215-4-F

	ID	Date	Background Counts alpha	Sample Counts alpha	Background cpm alpha	Sample cpm alpha	Sample (dpm/100 cm²) alpha
1	215-4-F-1	11/9/2006	1	0	0.1	0.00	-0.3
2	215-4-F-2	11/9/2006	1	2	0.1	0.50	2.5
3	215-4-F-3	11/9/2006	1	0	0.1	0.00	-0.3
4	215-4-F-4	11/9/2006	1	0	0.1	0.00	-0.3
5	215-4-F-5	11/9/2006	1	0	0.1	0.00	-0.3
6	215-4-F-6	11/9/2006	1	1	0.1	0.25	1.1
7	215-4-F-7	11/9/2006	1	0	0.1	0.00	-0.3
8	215-4-F-8	11/9/2006	1	0	0.1	0.00	-0.3
9	215-4-F-9	11/9/2006	1	1	0.1	0.25	1.1
10	215-4-F-10	11/9/2006	1	1	0.1	0.25	1.1
11	215-4-F-11	11/9/2006	1	0	0.1	0.00	-0.3
12	215-4-F-12	11/9/2006	1	1	0.1	0.25	1.1
13	215-4-F-13	11/9/2006	1	0	0.1	0.00	-0.3
14	215-4-F-14	11/9/2006	1	1	0.1	0.25	1.1
15	215-4-F-15	11/9/2006	1	0	0.1	0.00	-0.3
16	215-4-F-16	11/9/2006	1	0	0.1	0.00	-0.3
17	215-4-F-17	11/9/2006	1	0	0.1	0.00	-0.3
						Mean	0.3
						Median	-0.3
						SD	0.9
						Minimum	-0.3
						Maximum	2.5

Survey Unit 215-4-W

	ID	Date	Background Counts alpha	Sample Counts alpha	Background cpm alpha	Sample cpm alpha	Sample (dpm/100 cm²) alpha
1	215-W-4-1	6/18/2007	2	0	0.1	0.00	-0.5
2	215-W-4-2	6/18/2007	2	3	0.1	0.60	2.6
3	215-W-4-3	6/18/2007	2	1	0.1	0.20	0.5
4	215-W-4-4	6/18/2007	2	4	0.1	0.80	3.6
5	215-W-4-5	6/18/2007	2	3	0.1	0.60	2.6
6	215-W-4-6	6/18/2007	2	3	0.1	0.60	2.6
7	215-W-4-7	6/18/2007	2	1	0.1	0.20	0.5
8	215-W-4-8	6/18/2007	2	0	0.1	0.00	-0.5
9	215-W-4-9	6/18/2007	2	1	0.1	0.20	0.5
10	215-W-4-10	6/18/2007	2	0	0.1	0.00	-0.5
11	215-W-4-11	6/18/2007	2	0	0.1	0.00	-0.5
12	215-W-4-12	6/18/2007	2	5	0.1	1.00	4.6
13	215-W-4-13	6/18/2007	2	2	0.1	0.40	1.5
14	215-W-4-14	6/18/2007	2	1	0.1	0.20	0.5
15	215-W-4-15	6/18/2007	2	1	0.1	0.20	0.5
16	215-W-4-16	6/18/2007	2	1	0.1	0.20	0.5
17	215-W-4-17	6/18/2007	2	4	0.1	0.80	3.6
						Mean	1.3
						Median	0.5
						SD	1.6
						Minimum	-0.5
						Maximum	4.6

Warehouse 210, Section 2, Class 1 and 2

2007 Survey Results

Tennelec Alpha/Beta Counter alpha eff.
17.26%

Sample Count Time (min)	Background Count Time (min)
5.0	20.0

Removable Limit alpha dpm/100 cm^2
4

Survey Unit 210-2-1, Class 1

	ID	Date	Sample Results alpha cpm	Sample Results dpm/100 cm^2
1	210-2-1	9/11/2007	0.0	0.0
2	210-2-1	9/11/2007	0.2	1.2
3	210-2-1	9/11/2007	0.4	2.3
4	210-2-1	9/11/2007	0.2	1.2
5	210-2-1	9/11/2007	0.4	2.3
6	210-2-1	9/11/2007	0.2	1.2
7	210-2-1	9/11/2007	0.6	3.5
8	210-2-1	9/11/2007	0.0	0.0
9	210-2-1	9/11/2007	0.0	0.0
10	210-2-1	9/11/2007	1.0	5.8
11	210-2-1	9/11/2007	0.4	2.3
12	210-2-1	9/11/2007	0.4	2.3
13	210-2-1	9/11/2007	0.0	0.0
14	210-2-1	9/11/2007	0.0	0.0
15	210-2-1	9/11/2007	0.2	1.2
16	210-2-1	9/11/2007	0.0	0.0
17	210-2-1	9/11/2007	0.2	1.2
18	210-2-1	9/11/2007	0.0	0.0
			Mean	1.4
			Median	1.2
			SD	1.6
			Minimum	0.0
			Maximum	5.8

Survey Unit 210-2-2, Class 1

ID	Date	Sample Results alpha cpm	Sample Results dpm/100 cm^2
210-2-2	9/12/2007	1.1	6.6
210-2-2	9/12/2007	0.0	0.0
210-2-2	9/12/2007	0.0	0.0
210-2-2	9/12/2007	2.3	13.2
210-2-2	9/12/2007	0.0	0.0
210-2-2	9/12/2007	0.6	3.3
210-2-2	9/12/2007	0.6	3.3
210-2-2	9/12/2007	0.0	0.0
210-2-2	9/12/2007	0.0	0.0
210-2-2	9/12/2007	0.0	0.0
210-2-2	9/12/2007	0.6	3.3
210-2-2	9/12/2007	0.0	0.0
210-2-2	9/12/2007	0.6	3.3
210-2-2	9/12/2007	0.0	0.0
210-2-2	9/12/2007	0.6	3.3
210-2-2	9/12/2007	0.6	3.3
210-2-2	9/12/2007	0.0	0.0
		Mean	2.3
		Median	0.0
		SD	3.5
		Minimum	0.0
		Maximum	13.2

Survey Unit 210-2-3, Class 1

ID	Date	Sample Results alpha cpm	Sample Results dpm/100 cm^2
210-2-3	9/12/2007	0.0	0.0
210-2-3	9/12/2007	0.6	3.3
210-2-3	9/12/2007	0.6	3.3
210-2-3	9/12/2007	0.0	0.0
210-2-3	9/12/2007	1.1	6.6
210-2-3	9/12/2007	1.1	6.6
210-2-3	9/12/2007	0.6	3.3
210-2-3	9/12/2007	0.0	0.0
210-2-3	9/12/2007	0.0	0.0
210-2-3	9/12/2007	0.0	0.0
210-2-3	9/12/2007,	1.1	6.6
210-2-3	9/12/2007	1.1	6.6
210-2-3	9/12/2007	0.0	0.0
210-2-3	9/12/2007	0.6	3.3
210-2-3	9/12/2007	0.0	0.0
210-2-3	9/12/2007	0.0	0.0
210-2-3	9/12/2007	0.0	0.0
		Mean	2.3
		Median	0.0
		SD	2.8
		Minimum	0.0
		Maximum	6.6

Survey Unit 124F and 124W

alpha eff.
19.47%

Sample Count Time (min)	Background Count Time (min)
5.0	20.0

alpha eff.
17.72%

Sample Count Time (min)	Background Count Time (min)
4.0	20.0

* Daily Count

	ID	Date	Background Counts* alpha	Sample Counts alpha	Background cpm alpha	Sample cpm alpha	Sample (dpm/100 cm^2) alpha
1	Shrinkwrapping Area Inside #1	10/31/2006	3	1	0.2	0.25	0.6
2	Shrinkwrapping Area Inside #2	10/31/2006	3	0	0.2	0.00	-0.8
3	Shrinkwrapping Area Inside #3	10/31/2006	3	2	0.2	0.50	2.0
4	Shrinkwrapping Area Inside #4	10/31/2006	3	1	0.2	0.25	0.6
5	Shrinkwrapping Area Inside #5	11/7/2006	3	0	0.2	0.00	-0.8
6	Shrinkwrapping Area Inside #6	11/7/2006	3	1	0.2	0.25	0.6
7	Shrinkwrapping Area Inside #7	11/7/2006	3	2	0.2	0.50	2.0
8	Shrinkwrapping Area Inside #8	11/7/2006	3	1	0.2	0.25	0.6
9	Shrinkwrapping Area Inside #9	11/7/2006	3	1	0.2	0.25	0.6
10	Shrinkwrapping Area Inside #10	11/7/2006	3	0	0.2	0.00	-0.8
11	Shrinkwrapping Area Inside #11	11/7/2006	3	1	0.2	0.25	0.6
12	Shrinkwrapping Area Inside #12	11/7/2006	3	1	0.2	0.25	0.6
13	Shrinkwrapping Area Inside #13	11/7/2006	3	2	0.2	0.50	2.0
14	Shrinkwrapping Area Inside #14	11/7/2006	3	0	0.2	0.00	-0.8
15	Shrinkwrapping Area Inside #15	11/7/2006	3	0	0.2	0.00	-0.8
16	Shrinkwrapping Area Inside #16	11/7/2006	3	1	0.2	0.25	0.6
17	Shrinkwrapping Area Inside #17	11/7/2006	3	0	0.2	0.00	-0.8
18	Shrinkwrapping Area Inside #18	11/7/2006	3	0	0.2	0.00	-0.8
19	Shrinkwrapping Area Inside #19	11/7/2006	3	0	0.2	0.00	-0.8
20	Shrinkwrapping Area Inside #20	11/7/2006	3	1	0.2	0.25	0.6
						Mean	0.2
						Median	0.6
						SD	1.0
						Minimum	-0.8
						Maximum	2.0
1	124-F-2-bias from Char	6/19/2007	5	2	0.3	0.40	0.8

Survey Unit 136-F

alpha eff.
19.47%

Sample Count Time (min)	Background Count Time (min)
5.0	20.0

alpha eff.
17.72%

Sample Count Time (min)	Background Count Time (min)
4.0	20.0

* Daily Count

	ID	Date	Background Counts* alpha	Sample Counts alpha	Background cpm alpha	Sample cpm alpha	Sample (dpm/100 cm^2) alpha
1	136-F-6	6/18/2007	2	2	0.1	0.40	1.5
2	136-F-2	6/19/2007	5	0	0.3	0.00	-1.3
3	136-F-10	6/19/2007	5	2	0.3	0.40	0.8
4	136-F-12	6/19/2007	5	1	0.3	0.20	-0.3
5	136-F-14	6/19/2007	5	1	0.3	0.20	-0.3
6	136-F-17	6/19/2007	5	0	0.3	0.00	-1.3
						Mean	-0.1
						Median	-0.3
						SD	1.1
						Minimum	-1.3
						Maximum	1.5

Warehouse 210, Sections 1, 2, 3 and 4, Class 3

alpha eff.
19.47%

Sample Count Time (min)	Background Count Time (min)
5.0	20.0

alpha eff.
17.72%

Sample Count Time (min)	Background Count Time (min)
4.0	20.0

* Daily Count

	ID	Date	Background Counts* alpha	Sample Counts alpha	Background cpm alpha	Sample cpm alpha	Sample (dpm/100 cm^2) alpha
1	210-F-3-31	6/18/2007	2	1	0.1	0.20	0.5
2	210-F-3-32	6/18/2007	2	5	0.1	1.00	4.6
3	210-F-3-33	6/18/2007	2	4	0.1	0.80	3.6
4	210-F-3-34	6/18/2007	2	3	0.1	0.60	2.6
5	210-F-3-35	6/19/2007	5	3	0.3	0.60	1.8
6	210-F-3-36	6/19/2007	5	6	0.3	1.20	4.9
7	210-F-3-37	6/19/2007	5	2	0.3	0.40	0.8
8	210-F-3-38	6/19/2007	5	1	0.3	0.20	-0.3
9	210-F-3-39	6/19/2007	5	1	0.3	0.20	-0.3
10	210-F-3-40	6/19/2007	5	4	0.3	0.80	2.8
11	210-F-3-41	6/19/2007	5	3	0.3	0.60	1.8
12	210-F-3-42	6/19/2007	5	1	0.3	0.20	-0.3
13	210-F-3-43	6/19/2007	5	4	0.3	0.80	2.8
14	210-F-3-44	6/19/2007	5	3	0.3	0.60	1.8
15	210-F-3-45	6/19/2007	5	2	0.3	0.40	0.8
1	210-F-4-18	6/18/2007	2	1	0.1	0.20	0.5
2	210-F-4-19	6/18/2007	2	1	0.1	0.20	0.5
3	210-F-4-20	6/18/2007	2	1	0.1	0.20	0.5
4	210-F-4-21	6/18/2007	2	1	0.1	0.20	0.5
5	210-F-4-22	6/18/2007	2	1	0.1	0.20	0.5
6	210-F-4-23	6/18/2007	2	1	0.1	0.20	0.5
7	210-F-4-24	6/18/2007	2	1	0.1	0.20	0.5
8	210-F-4-25	6/18/2007	2	3	0.1	0.60	2.6
9	210-F-4-26	6/18/2007	2	2	0.1	0.40	1.5
10	210-F-4-27	6/18/2007	2	0	0.1	0.00	-0.5
11	210-F-4-28	6/18/2007	2	1	0.1	0.20	0.5
12	210-F-3-29	6/18/2007	2	2	0.1	0.40	1.5
13	210-F-2-46	6/20/2007	3	1	0.2	0.20	0.3
14	210-F-2-47	6/20/2007	3	6	0.2	1.20	5.4
15	210-F-2-48	6/21/2007	3	2	0.2	0.40	1.3
						Mean	1.5
						Median	0.8
						SD	1.6
						Minimum	-0.5
						Maximum	5.4
1	210-W-3-30	6/18/2007	2	0	0.1	0.00	-0.5
						Mean	-0.5
						Median	-0.5
						SD	N/A
						Minimum	-0.5
						Maximum	-0.5
1	210-B-1½S56+66	6/22/2007	4	1	0.2	0.20	0.0
2	210-B-1-S8	6/22/2007	4	3	0.2	0.60	2.1
3	210-B-1-S71	6/22/2007	4	1	0.2	0.20	0.0
4	210-B-2-S12	6/22/2007	4	1	0.2	0.20	0.0
5	210-B-1-S25	6/22/2007	4	0	0.2	0.00	-1.0
6	210-B-1-S42	6/22/2007	4	2	0.2	0.40	1.0
7	210-B-1-S17	6/22/2007	4	2	0.2	0.40	1.0
8	210-B-2-S9	6/22/2007	4	1	0.2	0.20	0.0
9	210-B-1-S69	6/22/2007	4	1	0.2	0.20	0.0
10	210-B-1-S33	6/22/2007	4	1	0.2	0.20	0.0
11	210-B-1-S54	6/22/2007	4	1	0.2	0.20	0.0
12	210-B-4-S25	6/22/2007	4	0	0.2	0.00	-1.0
13	210-B-4-S59+69	6/22/2007	4	1	0.2	0.20	0.0
14	210-B-4-S56+66	6/25/2007	6	3	0.3	0.60	1.5
15	210-B-2-S71	6/27/2007	6	0	0.3	0.00	-1.5
16	210-B-2-S64	6/27/2007	6	5	0.3	1.00	3.6
17	210-B-2-S58	6/27/2007	6	5	0.3	1.00	3.6
18	210-B-2-S46	6/27/2007	6	4	0.3	0.80	2.6
19	210-B-2-S57+67	6/27/2007	6	8	0.3	1.60	6.7
20	210-B-2-S33	6/27/2007	6	2	0.3	0.40	0.5
21	210-B-2-S25	6/27/2007	6	7	0.3	1.40	5.6
						Mean	1.2
						Median	0.0
						SD	2.2
						Minimum	-1.5
						Maximum	6.7

Survey Unit 210-2-3-B

2007 Survey Results

Tennelec Alpha/Beta Counter
17.26%

Sample Count Time (min)	Background Count Time (min)
5.0	20.0

	ID	Date	Sample net cpm alpha	Sample (dpm/100 cm^2) alpha
1	210-2-3-B-1	9/14/2007	0.21	1.2
2	210-2-3-B-2	9/14/2007	0.60	3.4
3	210-2-3-B-3	9/14/2007	0.00	0.0
4	210-2-3-B-4	9/14/2007	0.39	2.2
			Mean	1.7
			Median	1.7
			SD	1.5
			Minimum	0.0
			Maximum	3.4

Warehouse 211, Sections 1 and 2, Class 3

alpha eff.
19.47%

Sample Count Time (min)	Background Count Time (min)
5.0	20.0

alpha eff.
17.72%

Sample Count Time (min)	Background Count Time (min)
4.0	20.0

* Daily Count

	ID	Date	Background Counts* alpha	Sample Counts alpha	Background cpm alpha	Sample cpm alpha	Sample (dpm/100 cm^2) alpha
1	211F-1-64-5	11/16/2006	2	2	0.1	0.50	2.3
2	211F-1-14-1	11/16/2006	2	2	0.1	0.50	2.3
3	211F-1-18-4	11/16/2006	2	0	0.1	0.00	-0.6
4	211F-1-11-3	11/16/2006	2	0	0.1	0.00	-0.6
5	211F-1-64-4	11/16/2006	2	0	0.1	0.00	-0.6
6	211F-1--76-3	11/16/2006	2	0	0.1	0.00	-0.6
7	211F-1-76-1	11/16/2006	2	0	0.1	0.00	-0.6
8	211F-1-36-3	11/16/2006	2	0	0.1	0.00	-0.6
9	211F-1-36-4	11/16/2006	2	2	0.1	0.50	2.3
10	211F-1-54-9	11/16/2006	2	0	0.1	0.00	-0.6
11	211F-1-18-6	11/16/2006	2	0	0.1	0.00	-0.6
12	211F-1--57-11	11/16/2006	2	0	0.1	0.00	-0.6
13	211F-1-14-2	11/16/2006	2	4	0.1	1.00	5.1
14	211F-1-33-6	11/16/2006	2	2	0.1	0.50	2.3
15	211F-1-76-2	11/16/2006	2	2	0.1	0.50	2.3
16	211F-1-18-5	11/16/2006	2	4	0.1	1.00	5.1
17	211F-1-71-6	11/16/2006	2	0	0.1	0.00	-0.6
18	211F-1-71-7	11/16/2006	2	0	0.1	0.00	-0.6
19	211F-1-36-5	11/16/2006	2	2	0.1	0.50	2.3
20	211F-1-33-7	11/16/2006	2	6	0.1	1.50	7.9
21	211F-1-54-8	11/16/2006	2	2	0.1	0.50	2.3
22	211F-1-54-10	11/16/2006	2	0	0.1	0.00	-0.6
23	211F-1-36-2	11/16/2006	2	0	0.1	0.00	-0.6
24	211F-1-36-1	11/16/2006	2	0	0.1	0.00	-0.6
1	211F-2-2-1	11/21/2006	4	4	0.2	1.00	4.5
2	211F-2-2-2	11/21/2006	4	2	0.2	0.50	1.7
3	211F-2-2-3	11/21/2006	4	0	0.2	0.00	-1.1
4	211F-2-8-4	11/21/2006	4	8	0.2	2.00	10.2
5	211F-2-8-5	11/21/2006	4	2	0.2	0.50	1.7
6	211F-2-17-6	11/21/2006	4	4	0.2	1.00	4.5
7	211F-2-17-7	11/21/2006	4	0	0.2	0.00	-1.1
8	211F-2-13-8	11/21/2006	4	2	0.2	0.50	1.7
9	211F-2-13-9	11/21/2006	4	0	0.2	0.00	-1.1
10	211F-2-34-1	11/21/2006	4	4	0.2	1.00	4.5
11	211F-2-34-2	11/21/2006	4	4	0.2	1.00	4.5
12	211F-2-34-3	11/21/2006	4	4	0.2	1.00	4.5
13	211F-2-34-4	11/21/2006	4	2	0.2	0.50	1.7
14	211F-2-36-5	11/21/2006	4	0	0.2	0.00	-1.1
15	211F-2-51-6	11/21/2006	4	3	0.2	0.75	3.1
16	211F-2-51-7	11/21/2006	4	0	0.2	0.00	-1.1
17	211F-2-59-8	11/21/2006	4	6	0.2	1.50	7.3
18	211F-2-77-1	11/21/2006	4	2	0.2	0.50	1.7
19	211F-2-74-2	11/21/2006	4	6	0.2	1.50	7.3
20	211F-2-74-3	11/21/2006	4	2	0.2	0.50	1.7
						Mean	1.8
						Median	1.7
						SD	2.9
						Minimum	-1.1
						Maximum	10.2
7	211W-2-61-1	11/15/2006	4	0	0.2	0.00	-1.1
8	211W-2-61-2	11/15/2006	4	5	0.2	1.25	5.9
9	211W-2-69-3	11/15/2006	4	4	0.2	1.00	4.5
10	211W-2-69-4	11/15/2006	4	2	0.2	0.50	1.7
11	211W-2-19-5	11/15/2006	4	4	0.2	1.00	4.5
						Mean	3.1
						Median	4.5
						SD	2.8
						Minimum	-1.1
						Maximum	5.9
1	211B-1-13-1	11/14/2006	4	2	0.2	0.50	1.7
2	211B-1-18-2	11/14/2006	4	7	0.2	1.75	8.7
3	211B-1-19-3	11/14/2006	4	2	0.2	0.50	1.7
4	211B-1-21-4	11/14/2006	4	4	0.2	1.00	4.5
5	211B-1-24-5	11/14/2006	4	1	0.2	0.25	0.3
6	211B-1-29-6	11/14/2006	4	1	0.2	0.25	0.3
7	211B-1-52-7	11/14/2006	4	0	0.2	0.00	-1.1
8	211B-1-56-8	11/14/2006	4	1	0.2	0.25	0.3
9	211B-1-58-9	11/14/2006	4	0	0.2	0.00	-1.1
10	211B-2-2-1	11/14/2006	4	1	0.2	0.25	0.3
11	211B-2-5-2	11/14/2006	4	0	0.2	0.00	-1.1
12	211B-2-8-3	11/14/2006	4	5	0.2	1.25	5.9
13	211B-2-33-4	11/14/2006	4	2	0.2	0.50	1.7
14	211B-2-37-5	11/14/2006	4	0	0.2	0.00	-1.1
15	211B-2-39-6	11/14/2006	4	0	0.2	0.00	-1.1
16	211B-2-61-7	11/14/2006	4	0	0.2	0.00	-1.1
17	211B-2-64-8	11/14/2006	4	2	0.2	0.50	1.7
18	211B-2-66-9	11/14/2006	4	3	0.2	0.75	3.1
						Mean	1.3
						Median	0.3
						SD	2.8
						Minimum	-1.1
						Maximum	8.7

Warehouse 212, Sections 1 and 2, Class 3

alpha eff.
19.47%

Sample Count Time (min)	Background Count Time (min)
5.0	20.0

alpha eff.
17.72%

Sample Count Time (min)	Background Count Time (min)
4.0	20.0

* Daily Count

	ID	Date	Background Counts* alpha	Sample Counts alpha	Background cpm alpha	Sample cpm alpha	Sample (dpm/100 cm^2) alpha
1	212F-1-11-1	11/17/2006	3	0	0.2	0.00	-0.8
2	212F-1-11-2	11/17/2006	3	1	0.2	0.25	0.6
3	212F-1-11-3	11/17/2006	3	2	0.2	0.50	2.0
4	212F-1-31-4	11/17/2006	3	4	0.2	1.00	4.8
5	212F-1-31-5	11/17/2006	3	2	0.2	0.50	2.0
6	212F-1-31-6	11/17/2006	3	2	0.2	0.50	2.0
7	212F-1-41-7	11/17/2006	3	5	0.2	1.25	6.2
8	212F-1-41-8	11/17/2006	3	4	0.2	1.00	4.8
9	212F-1-41-9	11/17/2006	3	0	0.2	0.00	-0.8
10	212F-1-41-10	11/17/2006	3	2	0.2	0.50	2.0
11	212F-1-71-1	11/17/2006	3	0	0.2	0.00	-0.8
12	212F-1-37-2	11/17/2006	3	0	0.2	0.00	-0.8
13	212F-1-37-3	11/17/2006	3	0	0.2	0.00	-0.8
14	212F-1-44-1	11/17/2006	3	1	0.2	0.25	0.6
15	212F-2-11-1	11/17/2006	3	1	0.2	0.25	0.6
16	212F-2-12-2	11/17/2006	3	0	0.2	0.00	-0.8
17	212F-2-12-3	11/17/2006	3	1	0.2	0.25	0.6
18	212F-2-45-1	11/17/2006	3	1	0.2	0.25	0.6
19	212F-2-44-2	11/17/2006	3	2	0.2	0.50	2.0
20	212F-2-11-1	11/20/2006	4	4	0.2	1.00	4.5
21	212F-2-12-2	11/20/2006	4	0	0.2	0.00	-1.1
22	212F-2-12-3	11/20/2006	4	2	0.2	0.50	1.7
23	212F-2-2-2	11/20/2006	4	6	0.2	1.50	7.3
24	212F-2-68-5	11/20/2006	4	0	0.2	0.00	-1.1
25	212F-2-68-4	11/20/2006	4	0	0.2	0.00	-1.1
26	212F-2-58-3	11/20/2006	4	0	0.2	0.00	-1.1
27	212F-2-68-6	11/20/2006	4	0	0.2	0.00	-1.1
28	212F-2-44-2	11/20/2006	4	0	0.2	0.00	-1.1
29	212F-2-45-1	11/20/2006	4	2	0.2	0.50	1.7
30	212F-2-2-1	11/20/2006	4	0	0.2	0.00	-1.1
31	212F-1-44-1	11/20/2006	4	0	0.2	0.00	-1.1
						Mean	1.0
						Median	0.6
						SD	2.4
						Minimum	-1.1
						Maximum	7.3
28	212W-1-3W-1	11/15/2006	4	2	0.2	0.50	1.7
29	212W-1-61S-1	11/15/2006	4	0	0.2	0.00	-1.1
30	212W-1-61S-2	11/15/2006	4	0	0.2	0.00	-1.1
31	212W-1-61S-3	11/15/2006	4	2	0.2	0.50	1.7
32	212W-1-11-6	11/15/2006	4	0	0.2	0.00	-1.1
33	212W-2-11S-1	11/15/2006	4	2	0.2	0.50	1.7
34	212W-2-11S-2	11/15/2006	4	1	0.2	0.25	0.3
35	212W-2-11S-3	11/15/2006	4	0	0.2	0.00	-1.1
36	212W-2-21S-4	11/15/2006	4	2	0.2	0.50	1.7
37	212W-2-19N-5	11/15/2006	4	5	0.2	1.25	5.9
38	212W-2-19N-6	11/15/2006	4	2	0.2	0.50	1.7
39	212W-2-19N-7	11/15/2006	4	0	0.2	0.00	-1.1
40	212W-2-9-8	11/15/2006	4	0	0.2	0.00	-1.1
41	212W-2-9-9	11/15/2006	4	1	0.2	0.25	0.3
						Mean	0.6
						Median	0.3
						SD	2.0
						Minimum	-1.1
						Maximum	5.9
1	212B-1-4-1	11/13/2006	4	2	0.2	0.50	1.7
2	212B-1-6-2	11/13/2006	4	0	0.2	0.00	-1.1
3	212B-1-8-3	11/13/2006	4	1	0.2	0.25	0.3
4	212B-1-32-4	11/13/2006	4	1	0.2	0.25	0.3
5	212B-1-34-5	11/13/2006	4	0	0.2	0.00	-1.1
6	212B-1-39-6	11/13/2006	4	2	0.2	0.50	1.7
7	212B-1-63-7	11/13/2006	4	5	0.2	1.25	5.9
8	212B-1-65-8	11/13/2006	4	1	0.2	0.25	0.3
9	212B-1-67-9	11/13/2006	4	1	0.2	0.25	0.3
10	212B-2-12-1	11/13/2006	4	1	0.2	0.25	0.3
11	212B-2-15-2	11/13/2006	4	2	0.2	0.50	1.7
12	212B-2-17-3	11/13/2006	4	2	0.2	0.50	1.7
13	212B-2-41-4	11/13/2006	4	1	0.2	0.25	0.3
14	212B-2-44-5	11/13/2006	4	4	0.2	1.00	4.5
15	212B-2-48-6	11/13/2006	4	1	0.2	0.25	0.3
16	212B-2-72-7	11/13/2006	4	0	0.2	0.00	-1.1
17	212B-2-76-8	11/13/2006	4	2	0.2	0.50	1.7
18	212B-2-78-9	11/13/2006	4	1	0.2	0.25	0.3
						Mean	1.0
						Median	0.3
						SD	1.8
						Minimum	-1.1
						Maximum	5.9

Warehouse 213, Sections 1, 2, 3 and 4, Class 3

alpha eff.
19.47%

Sample Count Time (min)	Background Count Time (min)
5.0	20.0

alpha eff.
17.72%

Sample Count Time (min)	Background Count Time (min)
4.0	20.0

* Daily Count

	ID	Date	Background Counts* alpha	Sample Counts alpha	Background cpm alpha	Sample cpm alpha	Sample (dpm/100 cm^2) alpha
1	213F-1-55-1	11/16/2006	2	0	0.1	0.00	-0.6
2	213F-1-56-2	11/16/2006	2	0	0.1	0.00	-0.6
3	213F-1-55-3	11/16/2006	2	0	0.1	0.00	-0.6
4	213F-1-55-4	11/16/2006	2	1	0.1	0.25	0.8
5	213F-1-55-5	11/16/2006	2	2	0.1	0.50	2.3
6	213F-1-56-6	11/16/2006	2	1	0.1	0.25	0.8
7	213F-1-55-7	11/16/2006	2	2	0.1	0.50	2.3
8	213F-1-56-8	11/16/2006	2	0	0.1	0.00	-0.6
9	213F-1-28-9	11/16/2006	2	1	0.1	0.25	0.8
10	213F-1-18-10	11/16/2006	2	0	0.1	0.00	-0.6
11	213F-1-76-1	11/16/2006	2	1	0.1	0.25	0.8
12	213F-1-62-2	11/16/2006	2	2	0.1	0.50	2.3
13	213F-1-54-3	11/16/2006	2	3	0.1	0.75	3.7
14	213F-1-13-1	11/16/2006	2	0	0.1	0.00	-0.6
15	213F-1-14-2	11/16/2006	2	4	0.1	1.00	5.1
16	213F-1-13-3	11/16/2006	2	2	0.1	0.50	2.3
17	213F-1-15-4	11/16/2006	2	0	0.1	0.00	-0.6
18	213F-1-14-5	11/16/2006	2	0	0.1	0.00	-0.6
19	213F-1-14-6	11/16/2006	2	1	0.1	0.25	0.8
20	213F-1-14-7	11/16/2006	2	4	0.1	1.00	5.1
21	213F-1-15-8	11/16/2006	2	0	0.1	0.00	-0.6
22	213F-1-14-9	11/16/2006	2	1	0.1	0.25	0.8
23	213F-1-13-10	11/16/2006	2	0	0.1	0.00	-0.6
24	213F-2-15-1	11/16/2006	2	0	0.1	0.00	-0.6
25	213F-2-32-1	11/16/2006	2	1	0.1	0.25	0.8
26	213F-2-37-2	11/16/2006	2	4	0.1	1.00	5.1
27	213F-2-47-3	11/16/2006	2	0	0.1	0.00	-0.6
28	213F-2-37-4	11/16/2006	2	0	0.1	0.00	-0.6
29	213F-2-79-5	11/16/2006	2	1	0.1	0.25	0.8
30	213F-2-64-1	11/17/2006	3	2	0.2	0.50	2.0
31	213F-2-64-2	11/17/2006	3	2	0.2	0.50	2.0
32	213F-2-52-3	11/17/2006	3	0	0.2	0.00	-0.8
33	213F-2-52-4	11/17/2006	3	0	0.2	0.00	-0.8
34	213F-2-8-5	11/17/2006	3	0	0.2	0.00	-0.8
35	213F-2-8-6	11/17/2006	3	0	0.2	0.00	-0.8
36	213F-2-13-2	11/17/2006	3	2	0.2	0.50	2.0
37	213F-2-12-3	11/17/2006	3	0	0.2	0.00	-0.8
38	213F-2-14-4	11/17/2006	3	1	0.2	0.25	0.6
39	213F-2-13-5	11/17/2006	3	2	0.2	0.50	2.0
40	213F-2-15-6	11/17/2006	3	0	0.2	0.00	-0.8
41	213F-2-12-7	11/17/2006	3	0	0.2	0.00	-0.8
42	213F-2-14-8	11/17/2006	3	0	0.2	0.00	-0.8
43	213F-4-29-12	11/20/2006	4	0	0.2	0.00	-1.1
44	213F-4-69-5	11/20/2006	4	0	0.2	0.00	-1.1
45	213F-4-29-10	11/20/2006	4	1	0.2	0.25	0.3
46	213F-4-69-7	11/20/2006	4	2	0.2	0.50	1.7
47	213F-4-69-4	11/20/2006	4	3	0.2	0.75	3.1
48	213F-4-69-3	11/20/2006	4	2	0.2	0.50	1.7
49	213F-4-69-6	11/20/2006	4	4	0.2	1.00	4.5
50	213F-4-69-2	11/20/2006	4	2	0.2	0.50	1.7
51	213F-4-69-1	11/20/2006	4	1	0.2	0.25	0.3
52	213F-4-69-8	11/20/2006	4	1	0.2	0.25	0.3
53	213F-4-29-11	11/20/2006	4	3	0.2	0.75	3.1
54	213F-4-6-13	11/20/2006	4	4	0.2	1.00	4.5
55	213F-4-6-14	11/20/2006	4	2	0.2	0.50	1.7
56	213F-4-6-15	11/20/2006	4	2	0.2	0.50	1.7
57	213F-4-29-9	11/20/2006	4	0	0.2	0.00	-1.1
58	213F-4-15-1	11/21/2006	4	2	0.2	0.50	1.7
59	213F-4-15-2	11/21/2006	4	0	0.2	0.00	-1.1
60	213F-4-9-3	11/21/2006	4	1	0.2	0.25	0.3
61	213F-4-9-4	11/21/2006	4	3	0.2	0.75	3.1
62	213F-4-9-5	11/21/2006	4	2	0.2	0.50	1.7
63	213F-4-11-6	11/21/2006	4	4	0.2	1.00	4.5
64	213F-4-79-1	11/21/2006	4	2	0.2	0.50	1.7
65	213F-4-78-2	11/21/2006	4	0	0.2	0.00	-1.1
66	213F-4-78-3	11/21/2006	4	2	0.2	0.50	1.7
67	213F-4-75-4	11/21/2006	4	2	0.2	0.50	1.7
68	213F-4-75-5	11/21/2006	4	0	0.2	0.00	-1.1
69	213F-4-69-6	11/21/2006	4	3	0.2	0.75	3.1
70	213F-4-69-7	11/21/2006	4	2	0.2	0.50	1.7
71	213F-4-69-8	11/21/2006	4	3	0.2	0.75	3.1
72	213F-4-39-1	11/21/2006	4	2	0.2	0.50	1.7
73	213F-4-39-2	11/21/2006	4	2	0.2	0.50	1.7
74	213F-4-39-3	11/21/2006	4	0	0.2	0.00	-1.1
75	213F-4-39-4	11/21/2006	4	6	0.2	1.50	7.3
76	213F-4-38-5	11/21/2006	4	2	0.2	0.50	1.7
77	213F-4-38-6	11/21/2006	4	4	0.2	1.00	4.5
78	213F-4-31-7	11/21/2006	4	2	0.2	0.50	1.7
79	213F-4-21-8	11/21/2006	4	2	0.2	0.50	1.7
80	213F-4-21-9	11/21/2006	4	3	0.2	0.75	3.1
81	213F-4-59-1	11/21/2006	4	0	0.2	0.00	-1.1
82	213F-4-59-2	11/21/2006	4	2	0.2	0.50	1.7
83	213F-4-67-3	11/21/2006	4	2	0.2	0.50	1.7
84	213F-4-67-4	11/21/2006	4	2	0.2	0.50	1.7
85	213F-4-67-5	11/21/2006	4	0	0.2	0.00	-1.1
86	213F-4-51-6	11/21/2006	4	2	0.2	0.50	1.7
						Mean	1.1
						Median	1.3
						SD	1.9
						Minimum	-1.1
						Maximum	7.3

Warehouse 213, Sections 1, 2, 3 and 4, Class 3 (Continued)

	ID	Date	Background Counts* alpha	Sample Counts alpha	Background cpm alpha	Sample cpm alpha	Sample (dpm/100 cm^2) alpha
1	213W-3-9-1	11/15/2006	4	1	0.2	0.25	0.3
2	213W-3-9-2	11/15/2006	4	0	0.2	0.00	-1.1
3	213W-3-9-3	11/15/2006	4	0	0.2	0.00	-1.1
4	213W-3-59-4	11/15/2006	4	4	0.2	1.00	4.5
5	213W-3-59-5	11/15/2006	4	0	0.2	0.00	-1.1
6	213W-3-51-6	11/15/2006	4	1	0.2	0.25	0.3
7	213W-2-9N-1	11/14/2006	4	3	0.2	0.75	3.1
8	213W-2-29N-2	11/14/2006	4	0	0.2	0.00	-1.1
9	213W-2-29N-3	11/14/2006	4	1	0.2	0.25	0.3
10	213W-2-29N-4	11/14/2006	4	2	0.2	0.50	1.7
11	213W-2-29N-5	11/14/2006	4	2	0.2	0.50	1.7
12	213W-2-31S-6	11/14/2006	4	0	0.2	0.00	-1.1
13	213W-2-31S-7	11/14/2006	4	0	0.2	0.00	-1.1
14	213W-2-31S-8	11/14/2006	4	1	0.2	0.25	0.3
15	213W-2-31S-9	11/14/2006	4	0	0.2	0.00	-1.1
16	213W-2-31S-10	11/14/2006	4	2	0.2	0.50	1.7
17	213W-2-31S-11	11/14/2006	4	2	0.2	0.50	1.7
18	213W-2-21S-12	11/14/2006	4	3	0.2	0.75	3.1
19	213W-2-21S-13	11/14/2006	4	1	0.2	0.25	0.3
20	212W-1-3W-1	11/14/2006	4	0	0.2	0.00	-1.1
21	213W-1-21S-1	11/15/2006	4	0	0.2	0.00	-1.1
22	213W-1-21S-2	11/15/2006	4	2	0.2	0.50	1.7
23	213W-1-31S-3	11/15/2006	4	0	0.2	0.00	-1.1
24	213W-1-31S-4	11/15/2006	4	3	0.2	0.75	3.1
25	213W-1-31S-5	11/15/2006	4	0	0.2	0.00	-1.1
26	213W-1-59N-6	11/15/2006	4	0	0.2	0.00	-1.1
27	213W-1-4W-1	11/15/2006	4	0	0.2	0.00	-1.1
						Mean	0.3
						Median	0.3
						SD	1.7
						Minimum	-1.1
						Maximum	4.5
1	213B-1-16-2	11/14/2006	4	1	0.2	0.25	0.3
2	213B-1-19-3	11/14/2006	4	2	0.2	0.50	1.7
3	213B-1-34-4	11/14/2006	4	2	0.2	0.50	1.7
4	213B-1-36-5	11/14/2006	4	0	0.2	0.00	-1.1
5	213B-1-38-6	11/14/2006	4	0	0.2	0.00	-1.1
6	213B-1-51-7	11/14/2006	4	0	0.2	0.00	-1.1
7	213B-1-54-8	11/14/2006	4	3	0.2	0.75	3.1
8	213B-1-59-9	11/14/2006	4	1	0.2	0.25	0.3
9	213B-2-13-1	11/14/2006	4	2	0.2	0.50	1.7
10	213B-2-16-2	11/14/2006	4	1	0.2	0.25	0.3
11	213B-2-18-3	11/14/2006	4	8	0.2	2.00	10.2
12	213B-2-53-4	11/14/2006	4	2	0.2	0.50	1.7
13	213B-2-55-5	11/14/2006	4	0	0.2	0.00	-1.1
14	213B-2-57-6	11/14/2006	4	2	0.2	0.50	1.7
15	213B-2-72-7	11/14/2006	4	1	0.2	0.25	0.3
16	213B-2-74-8	11/14/2006	4	2	0.2	0.50	1.7
17	213B-2-78-9	11/14/2006	4	1	0.2	0.25	0.3
18	213B-3-2-1	11/14/2006	4	3	0.2	0.75	3.1
19	213B-3-4-2	11/14/2006	4	0	0.2	0.00	-1.1
20	213B-3-7-3	11/14/2006	4	3	0.2	0.75	3.1
21	213B-3-31-4	11/14/2006	4	0	0.2	0.00	-1.1
22	213B-3-34-5	11/14/2006	4	1	0.2	0.25	0.3
23	213B-3-38-6	11/14/2006	4	1	0.2	0.25	0.3
24	213B-3-62-7	11/14/2006	4	2	0.2	0.50	1.7
25	213B-3-66-8	11/14/2006	4	3	0.2	0.75	3.1
26	213B-3-69-9	11/14/2006	4	1	0.2	0.25	0.3
27	213B-4-22-1	11/14/2006	4	3	0.2	0.75	3.1
28	213B-4-24-2	11/14/2006	4	0	0.2	0.00	-1.1
29	213B-4-26-3	11/14/2006	4	0	0.2	0.00	-1.1
30	213B-4-43-4	11/14/2006	4	2	0.2	0.50	1.7
31	213B-4-45-5	11/14/2006	4	0	0.2	0.00	-1.1
32	213B-4-47-6	11/14/2006	4	0	0.2	0.00	-1.1
33	213B-4-75-7	11/14/2006	4	2	0.2	0.50	1.7
34	213B-4-76-8	11/14/2006	4	2	0.2	0.50	1.7
35	213B-4-77-9	11/14/2006	4	4	0.2	1.00	4.5
						Mean	0.8
						Median	0.3
						SD	2.1
						Minimum	-1.1
						Maximum	10.2

Warehouse 214, Sections 1, 2, 3 and 4, Class 3

alpha eff.
19.47%

Sample Count Time (min)	Background Count Time (min)
5.0	20.0

alpha eff.
17.72%

Sample Count Time (min)	Background Count Time (min)
4.0	20.0

* Daily Count

	ID	Date	Background Counts* alpha	Sample Counts alpha	Background cpm alpha	Sample cpm alpha	Sample (dpm/100 cm^2) alpha
1	214-F-2-18	6/7/2007	4	2	0.2	0.40	1.0
2	214-F-2-19	6/7/2007	4	1	0.2	0.20	0.0
3	214-F-2-20	6/7/2007	4	1	0.2	0.20	0.0
4	214-F-2-21	6/7/2007	4	1	0.2	0.20	0.0
5	214-F-2-22	6/7/2007	4	0	0.2	0.00	-1.0
6	214-F-2-23	6/7/2007	4	2	0.2	0.40	1.0
7	214-F-2-24	6/7/2007	4	2	0.2	0.40	1.0
8	214-F-2-25	6/7/2007	4	1	0.2	0.20	0.0
9	214-F-2-26	6/7/2007	4	0	0.2	0.00	-1.0
10	214-F-2-27	6/7/2007	4	2	0.2	0.40	1.0
11	214-F-2-28	6/7/2007	4	3	0.2	0.60	2.1
12	214-F-2-29	6/7/2007	4	1	0.2	0.20	0.0
13	214-F-2-30	6/7/2007	4	2	0.2	0.40	1.0
14	214-F-2-31	6/7/2007	4	2	0.2	0.40	1.0
15	214-F-2-32	6/7/2007	4	1	0.2	0.20	0.0
16	214-F-2-33	6/7/2007	4	0	0.2	0.00	-1.0
17	214-F-2-34	6/8/2007	5	1	0.3	0.20	-0.3
18	214-F-2-35	6/8/2007	5	1	0.3	0.20	-0.3
19	214-F-2-36	6/8/2007	5	1	0.3	0.20	-0.3
20	214-F-2-37	6/8/2007	5	1	0.3	0.20	-0.3
21	214-F-2-38	6/8/2007	5	2	0.3	0.40	0.8
22	214-F-2-39	6/8/2007	5	1	0.3	0.20	-0.3
23	214-F-2-40	6/8/2007	5	1	0.3	0.20	-0.3
24	214-F-2-41	6/8/2007	5	2	0.3	0.40	0.8
25	214-F-2-42	6/8/2007	5	1	0.3	0.20	-0.3
26	214-F-3-43	6/8/2007	5	2	0.3	0.40	0.8
27	214-F-3-44	6/8/2007	5	2	0.3	0.40	0.8
28	214-F-3-45	6/8/2007	5	3	0.3	0.60	1.8
29	214-F-3-46	6/8/2007	5	1	0.3	0.20	-0.3
						Mean	0.3
						Median	0.0
						SD	0.8
						Minimum	-1.0
						Maximum	2.1
1	214-W-1-47	6/8/2007	5	1	0.3	0.20	-0.3
2	214-W-1-48	6/8/2007	5	0	0.3	0.00	-1.3
3	214-W-1-49	6/8/2007	5	1	0.3	0.20	-0.3
						Mean	-0.6
						Median	-0.3
						SD	0.6
						Minimum	-1.3
						Maximum	-0.3

Warehouse 214, Sections 1, 2, 3 and 4, Class 3 (Continued)

	ID	Date	Background Counts* alpha	Sample Counts alpha	Background cpm alpha	Sample cpm alpha	Sample (dpm/100 cm^2) alpha
1	214-B-2-50	6/8/2007	5	2	0.3	0.40	0.8
2	214-B-2-51	6/8/2007	5	1	0.3	0.20	-0.3
3	214-B-2-52	6/8/2007	5	6	0.3	1.20	4.9
4	214-B-2-53	6/8/2007	5	0	0.3	0.00	-1.3
5	214-B-2-54	6/8/2007	5	4	0.3	0.80	2.8
6	214-B-2-55	6/8/2007	5	0	0.3	0.00	-1.3
7	214-B-2-56	6/8/2007	5	4	0.3	0.80	2.8
8	214-B-2-57	6/8/2007	5	5	0.3	1.00	3.9
9	214-B-2-58	6/8/2007	5	2	0.3	0.40	0.8
10	214-B-3-59	6/8/2007	5	3	0.3	0.60	1.8
11	214-B-3-60	6/8/2007	5	1	0.3	0.20	-0.3
12	214-B-3-61	6/8/2007	5	2	0.3	0.40	0.8
13	214-B-3-62	6/8/2007	5	3	0.3	0.60	1.8
14	214-B-3-63	6/8/2007	5	1	0.3	0.20	-0.3
15	214-B-3-64	6/8/2007	5	3	0.3	0.60	1.8
16	214-B-3-65	6/8/2007	5	2	0.3	0.40	0.8
17	214-B-3-66	6/8/2007	5	6	0.3	1.20	4.9
18	214-B-3-67	6/8/2007	5	1	0.3	0.20	-0.3
1	214-B-4-S33	6/25/2007	6	1	0.3	0.20	-0.5
2	214-B-4-S66	6/25/2007	6	3	0.3	0.60	1.5
3	214-B-4-S74	6/25/2007	6	2	0.3	0.40	0.5
4	214-B-4-S52	6/25/2007	6	2	0.3	0.40	0.5
5	214-B-4-S58	6/25/2007	6	2	0.3	0.40	0.5
6	214-B-4-S4	6/25/2007	6	1	0.3	0.20	-0.5
7	214-B-4-S3	6/25/2007	6	3	0.3	0.60	1.5
8	214-B-4-S74	6/25/2007	6	3	0.3	0.60	1.5
9	214-B-4-S39	6/25/2007	6	2	0.3	0.40	0.5
10	214-B-3-S17	6/26/2007	6	3	0.3	0.60	1.5
11	214-B-3-S29	6/26/2007	6	1	0.3	0.20	-0.5
12	214-B-3-S64	6/26/2007	6	0	0.3	0.00	-1.5
13	214-B-3-S43	6/26/2007	6	6	0.3	1.20	4.6
14	214-B-3-S5	6/26/2007	6	0	0.3	0.00	-1.5
15	214-B-3-S72	6/26/2007	6	0	0.3	0.00	-1.5
16	214-B-3-S56	6/26/2007	6	2	0.3	0.40	0.5
17	214-B-3-S58+68	6/26/2007	6	1	0.3	0.20	-0.5
18	214-B-3-S51	6/26/2007	6	4	0.3	0.80	2.6
19	214-B-4-S14	6/26/2007	6	4	0.3	0.80	2.6
20	214-B-4-S27	6/26/2007	6	2	0.3	0.40	0.5
21	214-B-4-S75	6/27/2007	6	1	0.3	0.20	-0.5
22	214-B-4-S41	6/27/2007	6	2	0.3	0.40	0.5
23	214-B-1-S58	6/22/2007	4	3	0.2	0.60	2.1
24	214-B-1-S65	6/22/2007	4	2	0.2	0.40	1.0
25	214-B-1-S19	6/22/2007	4	2	0.2	0.40	1.0
26	214-B-1-S7	6/22/2007	4	3	0.2	0.60	2.1
27	214-B-1-S16+26	6/22/2007	4	2	0.2	0.40	1.0
28	214-B-1-S22	6/22/2007	4	2	0.2	0.40	1.0
29	214-B-1-S31	6/22/2007	4	0	0.2	0.00	-1.0
30	214-B-1-S73	6/22/2007	4	1	0.2	0.20	0.0
31	214-B-1-S44	6/22/2007	4	1	0.2	0.20	0.0
32	214-B-4-S19	6/25/2007	6	4	0.3	0.80	2.6
33	214-B-4-S2	6/25/2007	6	2	0.3	0.40	0.5
						Mean	0.9
						Median	0.8
						SD	1.6
						Minimum	-1.5
						Maximum	4.9

Warehouse 215, Sections 1 and 2, Class 3

alpha eff.
19.47%

Sample Count Time (min)	Background Count Time (min)
5.0	20.0

alpha eff.
17.72%

Sample Count Time (min)	Background Count Time (min)
4.0	20.0

* Daily Count

	ID	Date	Background Counts* alpha	Sample Counts alpha	Background cpm alpha	Sample cpm alpha	Sample (dpm/100 cm^2) alpha
1	215F-1-48-1	11/15/2006	4	1	0.2	0.25	0.3
2	215F-1-59-2	11/15/2006	4	0	0.2	0.00	-1.1
3	215F-1-59-3	11/15/2006	4	0	0.2	0.00	-1.1
4	215F-1-59-4	11/15/2006	4	2	0.2	0.50	1.7
5	215F-1-28-5	11/15/2006	4	0	0.2	0.00	-1.1
6	215F-1-28-6	11/15/2006	4	0	0.2	0.00	-1.1
7	215F-1-28-7	11/15/2006	4	2	0.2	0.50	1.7
8	215F-1-28-8	11/15/2006	4	3	0.2	0.75	3.1
9	215F-1-1-1	11/15/2006	4	2	0.2	0.50	1.7
10	215F-1-1-2	11/15/2006	4	1	0.2	0.25	0.3
11	215F-1-11-3	11/15/2006	4	0	0.2	0.00	-1.1
12	215F-1-11-4	11/15/2006	4	1	0.2	0.25	0.3
13	215F-1-11-5	11/15/2006	4	2	0.2	0.50	1.7
14	215F-1-34-6	11/15/2006	4	4	0.2	1.00	4.5
15	215F-1-34-7	11/15/2006	4	0	0.2	0.00	-1.1
16	215F-1-34-8	11/15/2006	4	0	0.2	0.00	-1.1
17	215F-1-34-9	11/15/2006	4	0	0.2	0.00	-1.1
18	215F-1-45-10	11/15/2006	4	2	0.2	0.50	1.7
19	215F-1-45-11	11/15/2006	4	2	0.2	0.50	1.7
20	215F-1-76-1	11/15/2006	4	2	0.2	0.50	1.7
21	215F-1-76-2	11/15/2006	4	0	0.2	0.00	-1.1
22	215F-1-76-3	11/15/2006	4	2	0.2	0.50	1.7
23	215F-1-76-4	11/15/2006	4	0	0.2	0.00	-1.1
24	215F-1-76-5	11/15/2006	4	1	0.2	0.25	0.3
25	215F-1-73-6	11/15/2006	4	4	0.2	1.00	4.5
26	215F-1-73-7	11/15/2006	4	2	0.2	0.50	1.7
27	215F-2-17-1	11/15/2006	4	2	0.2	0.50	1.7
28	215F-2-17-2	11/15/2006	4	2	0.2	0.50	1.7
29	215F-2-17-3	11/15/2006	4	2	0.2	0.50	1.7
30	215F-2-17-4	11/15/2006	4	2	0.2	0.50	1.7
31	215F-2-38-5	11/15/2006	4	1	0.2	0.25	0.3
32	215F-2-38-6	11/15/2006	4	4	0.2	1.00	4.5
33	215F-2-38-7	11/15/2006	4	2	0.2	0.50	1.7
34	215F-2-38-8	11/15/2006	4	2	0.2	0.50	1.7
35	215F-2-34-9	11/15/2006	4	2	0.2	0.50	1.7
36	215F-2-41-10	11/15/2006	4	2	0.2	0.50	1.7
37	215F-2-52-1	11/15/2006	4	0	0.2	0.00	-1.1
38	215F-2-52-2	11/15/2006	4	0	0.2	0.00	-1.1
39	215F-2-52-3	11/15/2006	4	2	0.2	0.50	1.7
40	215F-2-52-4	11/15/2006	4	2	0.2	0.50	1.7
41	215F-2-54-5	11/15/2006	4	0	0.2	0.00	-1.1
42	215F-2-54-6	11/15/2006	4	0	0.2	0.00	-1.1
43	215F-2-54-7	11/15/2006	4	2	0.2	0.50	1.7
44	215F-2-54-8	11/15/2006	4	1	0.2	0.25	0.3
45	215F-2-54-9	11/15/2006	4	0	0.2	0.00	-1.1
46	215F-2-63-10	11/15/2006	4	0	0.2	0.00	-1.1
47	215F-2-63-11	11/15/2006	4	2	0.2	0.50	1.7
48	215F-2-1-1	11/15/2006	4	2	0.2	0.50	1.7
49	215F-2-1-2	11/15/2006	4	0	0.2	0.00	-1.1
50	215F-2-5-3	11/15/2006	4	1	0.2	0.25	0.3
51	215F-2-5-4	11/15/2006	4	3	0.2	0.75	3.1
52	215F-2-5-5	11/15/2006	4	0	0.2	0.00	-1.1
53	215F-2-9-6	11/15/2006	4	0	0.2	0.00	-1.1
54	215F-2-9-7	11/15/2006	4	3	0.2	0.75	3.1
55	215F-2-13-8	11/15/2006	4	0	0.2	0.00	-1.1
56	215F-2-13-9	11/15/2006	4	1	0.2	0.25	0.3
						Mean	0.7
						Median	1.0
						SD	1.7
						Minimum	-1.1
						Maximum	4.5

Warehouse 215, Sections 1 and 2, Class 3 (Continued)

	ID	Date	Background Counts* alpha	Sample Counts alpha	Background cpm alpha	Sample cpm alpha	Sample (dpm/100 cm^2) alpha
1	215W-2-1-1	11/14/2006	4	3	0.2	0.75	3.1
2	215W-2-1-2	11/14/2006	4	1	0.2	0.25	0.3
3	215W-2-1-3	11/14/2006	4	4	0.2	1.00	4.5
4	215W-2-41-4	11/14/2006	4	2	0.2	0.50	1.7
5	215W-2-41-5	11/14/2006	4	0	0.2	0.00	-1.1
6	215W-2-41-6	11/14/2006	4	3	0.2	0.75	3.1
7	215W-2-41-7	11/14/2006	4	1	0.2	0.25	0.3
8	215W-2-41-8	11/14/2006	4	0	0.2	0.00	-1.1
9	215W-2-41-9	11/14/2006	4	0	0.2	0.00	-1.1
10	215W-2-1-1	11/15/2006	4	2	0.2	0.50	1.7
1	215W-1-19N-1	11/15/2006	4	0	0.2	0.00	-1.1
2	215W-2-79N-2	11/15/2006	4	0	0.2	0.00	-1.1
3	215W-2-69-3	11/15/2006	4	1	0.2	0.25	0.3
						Mean	0.7
						Median	0.3
						SD	1.9
						Minimum	-1.1
						Maximum	4.5
1	215B-3-2-1	11/13/2006	4	0	0.2	0.00	-1.1
2	215B-2-2-1	11/13/2006	4	1	0.2	0.25	0.3
3	215B-2-5-2	11/13/2006	4	0	0.2	0.00	-1.1
4	215B-3-75-8	11/13/2006	4	4	0.2	1.00	4.5
5	215B-2-13-4	11/13/2006	4	0	0.2	0.00	-1.1
6	215B-2-18-6	11/13/2006	4	0	0.2	0.00	-1.1
7	215B-3-72-7	11/13/2006	4	2	0.2	0.50	1.7
8	215B-1-54-8	11/13/2006	4	1	0.2	0.25	0.3
9	215B-2-8-3	11/13/2006	4	0	0.2	0.00	-1.1
10	215B-1-15-3	11/13/2006	4	2	0.2	0.50	1.7
11	215B-1-9-3	11/13/2006	4	8	0.2	2.00	10.2
12	215B-1-18-6	11/13/2006	4	3	0.2	0.75	3.1
13	215B-2-52-7	11/13/2006	4	3	0.2	0.75	3.1
14	215B-3-52-6	11/13/2006	4	0	0.2	0.00	-1.1
15	215B-1-1-1	11/13/2006	4	2	0.2	0.50	1.7
16	215B-1-52-7	11/13/2006	4	2	0.2	0.50	1.7
17	215B-3-55-5	11/13/2006	4	5	0.2	1.25	5.9
18	215B-1-50-9	11/13/2006	4	2	0.2	0.50	1.7
19	215B-3-58-4	11/13/2006	4	0	0.2	0.00	-1.1
20	215B-4-58-6	11/13/2006	4	0	0.2	0.00	-1.1
21	215B-3-77-9	11/13/2006	4	1	0.2	0.25	0.3
22	215B-3-9-3	11/13/2006	4	0	0.2	0.00	-1.1
23	215B-3-5-2	11/13/2006	4	2	0.2	0.50	1.7
24	215B-4-64-8	11/13/2006	4	2	0.2	0.50	1.7
25	215B-4-31-1	11/13/2006	4	2	0.2	0.50	1.7
26	215B-4-67-9	11/13/2006	4	2	0.2	0.50	1.7
27	215B-2-16-5	11/13/2006	4	1	0.2	0.25	0.3
28	215B-2-55-8	11/13/2006	4	2	0.2	0.50	1.7
29	215B-4-54-5	11/13/2006	4	1	0.2	0.25	0.3
30	215B-4-37-3	11/13/2006	4	0	0.2	0.00	-1.1
31	215B-4-62-7	11/13/2006	4	4	0.2	1.00	4.5
32	215B-2-59-9	11/13/2006	4	0	0.2	0.00	-1.1
33	215B-4-35-2	11/13/2006	4	1	0.2	0.25	0.3
34	215B-4-52-4	11/13/2006	4	2	0.2	0.50	1.7
35	215B-1-5-2	11/13/2006	4	3	0.2	0.75	3.1
						Mean	1.2
						Median	1.7
						SD	2.4
						Minimum	-1.1
						Maximum	10.2

Survey Unit 215 Section 4 Class 3

Instrument and Survey Information - 2007 Survey

alpha eff.
19.47%

Sample Count Time (min)	Background Count Time (min)	$DCGL_w$ = 38 dpm/100 cm^2
5.0	20.0	

Instrument and Survey Information - 2006 Survey

alpha eff.
17.72%

Sample Count Time (min)	Background Count Time (min)
4.0	20.0

Biased Samples

* Daily Count

	ID	Date	Background Counts* alpha	Sample Counts alpha	Background cpm alpha	Sample cpm alpha	Sample (dpm/100 cm^2) alpha
1	215F-4-53-1	11/17/2006	3	1	0.2	0.25	0.6
2	215F-4-53-2	11/17/2006	3	0	0.2	0.00	-0.8
3	215F-4-53-3	11/17/2006	3	1	0.2	0.25	0.6
4	215F-4-61-4	11/17/2006	3	0	0.2	0.00	-0.8
5	215F-4-61-5	11/17/2006	3	0	0.2	0.00	-0.8
6	215F-4-65-6	11/17/2006	3	4	0.2	1.00	4.8
7	215F-4-65-7	11/17/2006	3	2	0.2	0.50	2.0
8	215F-4-65-8	11/17/2006	3	1	0.2	0.25	0.6
9	215F-4-65-9	11/17/2006	3	0	0.2	0.00	-0.8
10	215F-4-19-1	11/17/2006	3	2	0.2	0.50	2.0
11	215F-4-15-2	11/17/2006	3	0	0.2	0.00	-0.8
12	215F-4-15-3	11/17/2006	3	1	0.2	0.25	0.6
13	215F-4-15-4	11/17/2006	3	0	0.2	0.00	-0.8
14	215F-4-29-5	11/17/2006	3	0	0.2	0.00	-0.8
15	215F-4-29-6	11/17/2006	3	0	0.2	0.00	-0.8
16	215F-4-29-7	11/17/2006	3	2	0.2	0.50	2.0
17	215F-4-51-8	11/17/2006	3	1	0.2	0.25	0.6
18	215F-4-79-1	11/17/2006	3	2	0.2	0.50	2.0
19	215F-4-79-2	11/17/2006	3	2	0.2	0.50	2.0
20	215F-4-79-3	11/17/2006	3	4	0.2	1.00	4.8
21	215F-4-75-4	11/17/2006	3	2	0.2	0.50	2.0
22	215F-4-71-5	11/17/2006	3	1	0.2	0.25	0.6
23	215F-4-71-6	11/17/2006	3	1	0.2	0.25	0.6
						Mean	0.8
						Median	0.6
						SD	1.7
						Minimum	-0.8
						Maximum	4.8
24	215W-4-71E-1	11/14/2006	4	2	0.2	0.50	1.7
25	215W-4-71E-2	11/14/2006	4	0	0.2	0.00	-1.1
26	215W-4-71E-3	11/14/2006	4	1	0.2	0.25	0.3
27	215W-4-71E-4	11/14/2006	4	4	0.2	1.00	4.5
28	215W-4-71E-5	11/14/2006	4	2	0.2	0.50	1.7
29	215W-4-71E-6	11/14/2006	4	1	0.2	0.25	0.3
30	215W-4-71S-7	11/14/2006	4	4	0.2	1.00	4.5
31	215W-4-71S-8	11/14/2006	4	0	0.2	0.00	-1.1
32	215W-4-71S-9	11/14/2006	4	0	0.2	0.00	-1.1
33	215W-4-71S-10	11/14/2006	4	0	0.2	0.00	-1.1
34	215W-4-29N-1	11/15/2006	4	0	0.2	0.00	-1.1
35	215W-4-29N-2	11/15/2006	4	5	0.2	1.25	5.9
36	215W-4-29N-3	11/15/2006	4	0	0.2	0.00	-1.1
37	215W-4-29N-4	11/15/2006	4	0	0.2	0.00	-1.1
38	215W-4-79N-5	11/15/2006	4	0	0.2	0.00	-1.1
39	215W-4-79N-6	11/15/2006	4	0	0.2	0.00	-1.1
						Mean	0.5
						Median	-1.1
						SD	2.4
						Minimum	-1.1
						Maximum	5.9
20	215B-4-58-6	11/13/2006	4	0	0.2	0.00	-1.1
24	215B-4-64-8	11/13/2006	4	2	0.2	0.50	1.7
25	215B-4-31-1	11/13/2006	4	2	0.2	0.50	1.7
26	215B-4-67-9	11/13/2006	4	2	0.2	0.50	1.7
29	215B-4-54-5	11/13/2006	4	1	0.2	0.25	0.3
30	215B-4-37-3	11/13/2006	4	0	0.2	0.00	-1.1
31	215B-4-62-7	11/13/2006	4	4	0.2	1.00	4.5
33	215B-4-35-2	11/13/2006	4	1	0.2	0.25	0.3
34	215B-4-52-4	11/13/2006	4	2	0.2	0.50	1.7
						Mean	1.1
						Median	1.7
						SD	1.7
						Minimum	-1.1
						Maximum	4.5

Storage and Transport Area South, Class 3

alpha eff.
19.47%

Sample Count Time (min)	Background Count Time (min)
5.0	20.0

alpha eff.
17.72%

Sample Count Time (min)	Background Count Time (min)
4.0	20.0

* Daily Count

	ID	Date	Background Counts* alpha	Sample Counts alpha	Background cpm alpha	Sample cpm alpha	Sample (dpm/100 cm^2) alpha
1	Storage/Transport Area #1	11/8/2006	1	4	0.1	1.00	5.4
2	Storage/Transport Area #2	11/8/2006	1	5	0.1	1.25	6.8
3	Storage/Transport Area #3	11/8/2006	1	2	0.1	0.50	2.5
4	Storage/Transport Area #4	11/8/2006	1	3	0.1	0.75	4.0
5	Storage/Transport Area #5	11/8/2006	1	3	0.1	0.75	4.0
6	Storage/Transport Area #6	11/8/2006	1	0	0.1	0.00	-0.3
7	Storage/Transport Area #7	11/8/2006	1	4	0.1	1.00	5.4
8	Storage/Transport Area #8	11/8/2006	1	1	0.1	0.25	1.1
9	Storage/Transport Area #9	11/8/2006	1	1	0.1	0.25	1.1
10	Storage/Transport Area #10	11/8/2006	1	2	0.1	0.50	2.5
11	Storage/Transport Area #11	11/8/2006	1	2	0.1	0.50	2.5
12	Storage/Transport Area #12	11/8/2006	1	1	0.1	0.25	1.1
13	Storage/Transport Area #13	11/8/2006	1	4	0.1	1.00	5.4
14	Storage/Transport Area #14	11/8/2006	1	2	0.1	0.50	2.5
15	Storage/Transport Area #15	11/8/2006	1	2	0.1	0.50	2.5
16	Storage/Transport Area #16	11/8/2006	1	0	0.1	0.00	-0.3
17	Storage/Transport Area #17	11/8/2006	1	1	0.1	0.25	1.1
18	Storage/Transport Area #18	11/8/2006	1	0	0.1	0.00	-0.3
19	Storage/Transport Area #19	11/8/2006	1	0	0.1	0.00	-0.3
20	Storage/Transport Area #20	11/8/2006	1	1	0.1	0.25	1.1
						Mean	2.4
						Median	2.5
						SD	2.1
						Minimum	-0.3
						Maximum	6.8

Shrinkwrapping Area, Class 3

alpha eff.
19.47%

Sample Count Time (min)	Background Count Time (min)
5.0	20.0

alpha eff.
17.72%

Sample Count Time (min)	Background Count Time (min)
4.0	20.0

* Daily Count

	ID	Date	Background Counts* alpha	Sample Counts alpha	Background cpm alpha	Sample cpm alpha	Sample (dpm/100 cm^2) alpha
1	Shrinkwrapping Area Outside #1	11/7/2006	3	0	0.2	0.00	-0.8
2	Shrinkwrapping Area Outside #2	11/7/2006	3	2	0.2	0.50	2.0
3	Shrinkwrapping Area Outside #3	11/7/2006	3	5	0.2	1.25	6.2
4	Shrinkwrapping Area Outside #4	11/8/2006	1	3	0.1	0.75	4.0
5	Shrinkwrapping Area Outside #5	11/8/2006	1	6	0.1	1.50	8.2
6	Shrinkwrapping Area Outside #6	11/8/2006	1	1	0.1	0.25	1.1
7	Shrinkwrapping Area Outside #7	11/8/2006	1	5	0.1	1.25	6.8
8	Shrinkwrapping Area Outside #8	11/8/2006	1	5	0.1	1.25	6.8
9	Shrinkwrapping Area Outside #9	11/8/2006	1	1	0.1	0.25	1.1
10	Shrinkwrapping Area Outside #10	11/8/2006	1	0	0.1	0.00	-0.3
						Mean	3.5
						Median	3.0
						SD	3.3
						Minimum	-0.8
						Maximum	8.2

Rail Scale Concrete Pad, Class 2

alpha eff.
19.47%

Sample Count Time (min)	Background Count Time (min)
5.0	20.0

alpha eff.
17.72%

Sample Count Time (min)	Background Count Time (min)
4.0	20.0

* Daily Count

	ID	Date	Background Counts* alpha	Sample Counts alpha	Background cpm alpha	Sample cpm alpha	Sample (dpm/100 cm^2) alpha
1	Rail Scale Survey #1	10/31/2006	3	1	0.2	0.25	0.6
2	Rail Scale Survey #2	10/31/2006	3	0	0.2	0.00	-0.8
3	Rail Scale Survey #3	10/31/2006	3	1	0.2	0.25	0.6
4	Rail Scale Survey #4	10/31/2006	3	2	0.2	0.50	2.0
5	Rail Scale Survey #5	10/31/2006	3	2	0.2	0.50	2.0
6	Rail Scale Survey #6	10/31/2006	3	0	0.2	0.00	-0.8
7	Rail Scale Survey #7	10/31/2006	3	0	0.2	0.00	-0.8
8	Rail Scale Survey #8	10/31/2006	3	1	0.2	0.25	0.6
9	Rail Scale Survey #9	10/31/2006	3	1	0.2	0.25	0.6
10	Rail Scale Survey #10	10/31/2006	3	3	0.2	0.75	3.4
11	Rail Scale Survey #11	10/31/2006	3	1	0.2	0.25	0.6
12	Rail Scale Survey #12	10/31/2006	3	1	0.2	0.25	0.6
13	Rail Scale Survey #13	10/31/2006	3	2	0.2	0.50	2.0
14	Rail Scale Survey #14	10/31/2006	3	2	0.2	0.50	2.0
15	Rail Scale Survey #15	10/31/2006	3	3	0.2	0.75	3.4
16	Rail Scale Survey #16	10/31/2006	3	2	0.2	0.50	2.0
17	Rail Scale Survey #17	10/31/2006	3	0	0.2	0.00	-0.8
18	Rail Scale Survey #18	10/31/2006	3	5	0.2	1.25	6.2
19	Rail Scale Survey #19	10/31/2006	3	1	0.2	0.25	0.6
20	Rail Scale Survey #20	10/31/2006	3	2	0.2	0.50	2.0
						Mean	1.3
						Median	0.6
						SD	1.7
						Minimum	-0.8
						Maximum	6.2