Revised 10/04

CORRES. CONTROL
INCOMING LTR NO.

004772 RF04

DUE DATE

ACTION

RECEIVED

2004 OCT 20 A 5:46

CORRESPONDENCE CONTROL

Department of Energy

ROCKY FLATS PROJECT OFFICE
10808 HIGHWAY 93, UNIT A
GOLDEN, COLORADO 80403-8200

OCT 12 2004

04-DOE-00768

DIST.	LTR	ENC
BERARDINI, J.H.	X	X
BOGNAR, E.S.	X	X
BROOKS, L.	X	X
BUTLER, L.	X	X
CARPENTER, M.	X	X
CIUCCI, J.A.		
CROCKETT, G. A.		
DECK, C. A.	X	X
DEGENHART, K. R.	X	X
DEL VECCHIO, D.		
DIETER, T. J.		
FERRERA, D. W.	X	X
GIACOMINI, J. J.		
LINDSAY, D. C.	X	X
LONG, J. W.		
LYLE, J. L.		
MARTINEZ, L. A.	X	X
NAGEL, R. E.	X	X
NESTA, S.	X	X
NORTH, K.	X	X
SHELTON, D. C.	X	X
SPEARS, M. S.	X	X
TUOR, N. R.	X	X
WIEMELT, K.	X	X
WILLIAMS, J. L.		
ZAHM, C.	X	X
Freiboth, C	X	X
COR. CONTROL	X	X
ADMIN. RECORD	X	X
PATS/130		

Reviewed for Addressee
Corres. Control RFP

10/20/04 DC
Date By

Ref. Ltr. #

DOE ORDER #
S400.1

1/36

Mr. Steven H. Gunderson
Rocky Flats Cleanup Agreement Project Coordinator
Colorado Department of Public Health and Environment
4300 Cherry Creek Drive South
Denver, Colorado 80246-1530

Dear Mr. Gunderson:

In accordance with the Rocky Flats Cleanup Agreement, please find the page changes to the Pre-Demolition Survey Report for Building 447, for your review and approval. These changes were a result of staff review of the initial data.

Questions may be directed to Gary P. Morgan at (303) 966-6003.

Sincerely,

Joseph A. Legare, Director
RFPO Project Management

Enclosures

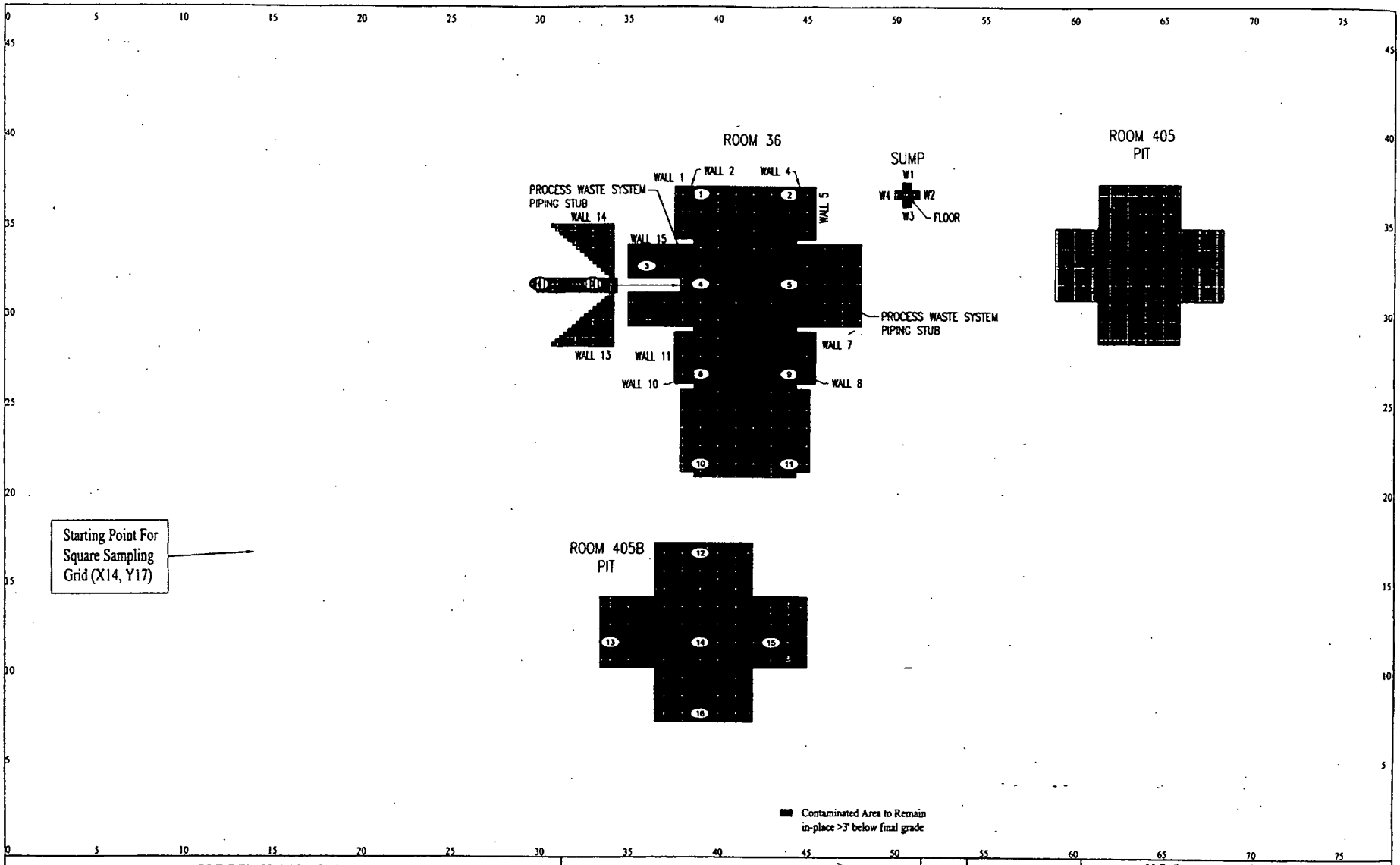
cc w/o Encl.:
S. Nesta, K-H RISS Env.
C. Freiboth, K-H RISS D&D
K. Wiemelt, K-H RISS D&D
M. Aguilar, USEPA
D. Abelson, RFCLOG

cc w/Encl.:
F. Lockhart, OOM, RFPO
G. Morgan, HQCPM, RFPO
Administrative Record

RECEIVED
OCT 20 2004

ADMIN RECORD

B444-A-000088



PRE-DEMOLITION SURVEY MAP

BLDG: 447 Survey Area: V1A-2 Survey Unit: 447204 Classification: 1

Survey Area/Unit Description: Rooms 36 405 Pit & 405B Pit, All Surfaces

Floor Area: 83 sq.m Total Area: 335 sq.m Grid Spaceing for Survey Area: 5 m x 5 m

SURVEY POINT LEGEND

- Radiological RSA & TSA Location
- Radiological RSA , TSA & Sample Location
- Beryllium Sample Location
- RCRA/CBRCLA Sample Location
- PCB Sample Location
- Radiological Scan Area
- Open/Inaccessible Area
- Area in Another Survey Unit

N

FEET 0 16
METERS 0 5

1 inch = 16 feet
1 grid sq. = 1 sq. m.

U.S. Department of Energy
Rocky Flats Environmental Technology Site

Prepared by: [redacted]

Prepared for: KAISER HILL

File Name: PDS 447204 SHT 01.DWG | Sheet: 1 of 1 | Rev: 0

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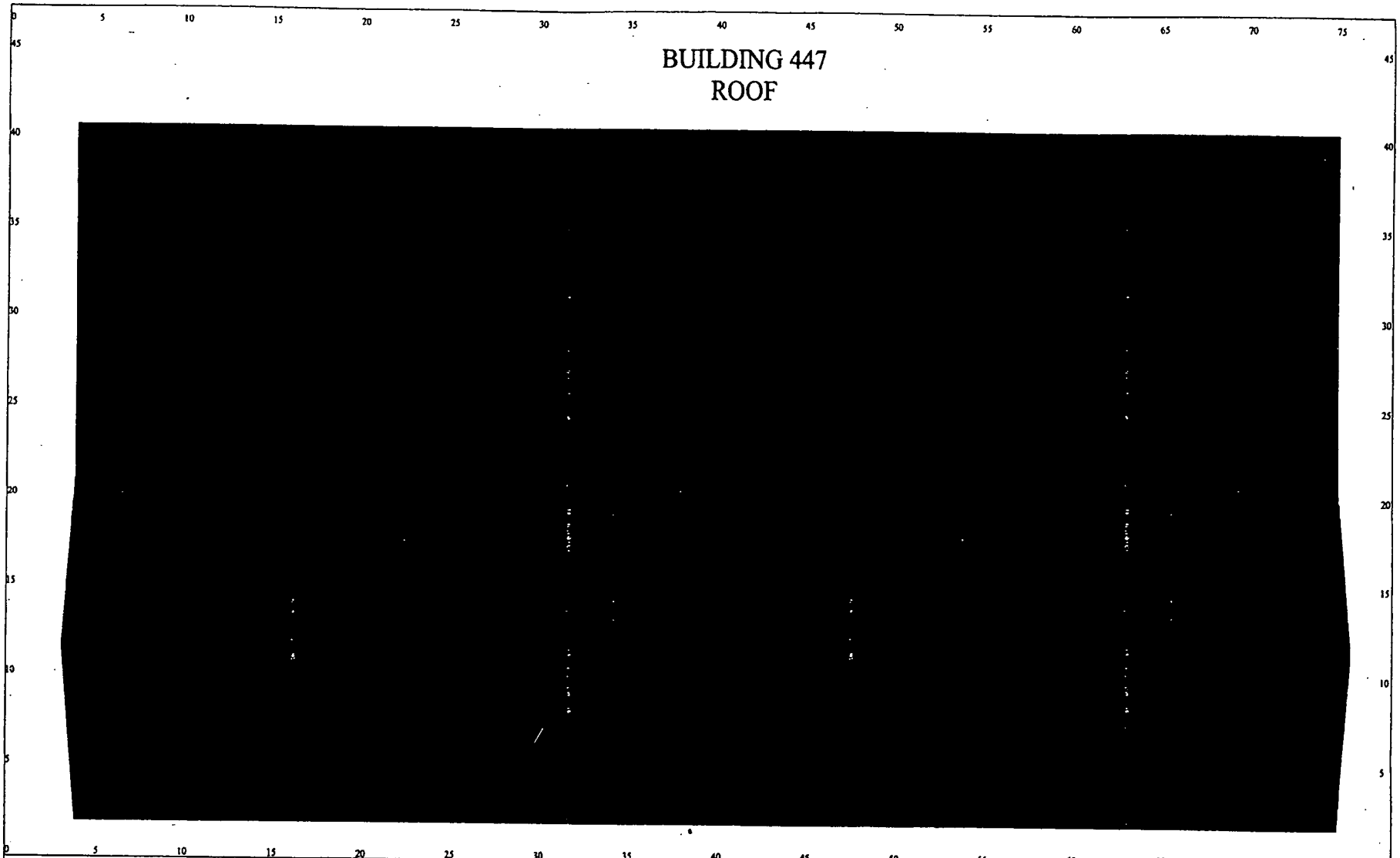
BUILDING 447
ROOF



BUILDING 447 LOW-LEVEL WASTE AREA MAP

SURVEY POINT LEGEND

- ~~Low-Level Waste Area~~
- Open/Inaccessible Area

N

FEET 0 16
METERS 0 5

1 inch = 16 feet
1 grid sq. = 1 sq. m.

U.S. Department of Energy
Rocky Flats Environmental Technology Site

Prepared by: [redacted]

Prepared for: KAISER HILL

File Name: LLW 447206 SHT 01.DWG | Sheet: 1 of 1 | Rev 0

Best Available Copy

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Some additional surfaces that were above the PDSP unrestricted release criteria will remain in place and be buried during demolition. The surfaces that will remain in place and be buried include:

- filled-in concrete trenches (filled with concrete) in Rooms 405B and 406B,
- the floor and lower walls of Pit 405A (<5,000-30,000 dpm/100cm^2 fixed, <1,000 dpm/100cm^2 loose),
- two contaminated Process Waste System piping stubs in the Room 36 Pit

Most of the exterior transite wall paneling has been removed during the PDS process per RFCA Contact Record authorizations. The two contaminated Process Waste System piping stubs that will be left in-place in the Room 36 Pit are embedded into the concrete walls of the pit. These stubs were grouted shut in the early 1980s and had maximum fixed contamination readings of up 55,000 dpm/100cm^2 coming off the outer surfaces of stub ends. It was determined by *in-situ* gamma spectroscopy measurements, that the most contaminated pipe stub had a worst case scenario of 2,486,966 dpm/100cm^2 beta of depleted uranium holdup inside the pipe stub. The pipe sleeve embedded in the concrete that surrounds the Pipe stubs was not contaminated.

Based on in-process core samples of the filled in concrete trenches in Rooms 405B & 406B, it was calculated that the worst case scenario of average contamination inside the inaccessible areas of the trenches is 1.222 pCi/gram of depleted uranium holdup. Based on in-process surveys of Pit 405A, it was calculated that the worst case scenario of average contamination on the inaccessible areas of the pit would be 38.737 pCi/gram of depleted uranium holdup.

Additionally, there is one area of soil contamination area under the concrete slab on the west side of Pit 405A that needs to be investigated and remediated after demolition. A soil sample result at this location showed 1,530 pCi/gram of U-238.

The above contaminated areas have been highlighted either in red (meaning the area will be removed and managed as LLW during demolition) or in orange (meaning the area will remain in place and be buried during demolition) on survey maps contained in Attachment B-2, *Radiological Survey Unit Data Summaries and Survey Maps*.

In-process surveys have been performed on all contaminated and LLW areas for demolition and waste disposal purposes. Prior to these surveys, decontamination was performed and the use of fixatives was applied to reduce the amount of fixed and removable contamination to the maximum extent practical. No removable radiological or beryllium contamination existed above the unrestricted release criteria in these areas after decontamination and fixative application. Appropriate controls will be incorporated into the demolition work packages to control these hazards during demolition. In-process surveys are located in the RISS Characterization Project files. The following bullets summarize the results of the in-process surveys:

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Initially, ten (10) radiological survey unit packages were developed for Buildings 447. However, since the areas within Survey Units 447101, 447102, 447103, 447206 and 447301 were identified as LLW areas during Pre-PDS surveys, these survey unit packages were not surveyed as part of this PDSR. The remaining survey unit packages 447201, 447202, 447203, 447204 and 447205 were developed in accordance with Radiological Safety Practices (RSP) 16.01, *Radiological Survey/Sampling Package Design, Preparation, Control, Implementation and Closure*. Justifications for the survey unit MARSSIM Classes are detailed in the *Building 447 PDS Radiological Survey Summary Table* below. Total surface activity (TSA), removable surface activity (RSA), and scan measurements were collected in accordance with RSP 16.02 *Radiological Surveys of Surfaces and Structures*. Media samples were collected in accordance with RSP 16.03, *Radiological Samples of Building Media*. Radiological survey data were verified, validated and evaluated in accordance with RSP 16.04, *Radiological Survey/Sample Data Analysis*. Quality control measures were implemented relative to the survey process in accordance with RSP 16.05, *Radiological Survey/Sample Quality Control*. Refer to Attachment B-1, *Building 447 Survey Unit Map* for the locations of the survey units. Individual radiological survey unit packages are maintained in the RISS Characterization Project files.

Note: Areas that will be managed as LLW were not included in the PDS survey unit results, but are instead discussed in Section 3.1 above. Some contaminated areas were initially a part of some survey units (i.e., survey units 447201, 447202, 447203, and 447204), and some LLW areas were contained within completely standalone survey units (i.e., survey units 447101, 447102, 447103, 447206 and 447301). Although no PDS data is reported for these contaminated areas, they have been highlighted either in red (meaning the area will be removed and managed as LLW during demolition) or in orange (meaning the area will remain in place and be buried during demolition/site restoration) on survey maps contained in Attachment B-2, *Radiological Survey Unit Data Summaries and Survey Maps,* in order for the reader to more easily determine the extent of all contaminated areas.

3.3 Media Sampling

Based on the RLC data and historical and process knowledge, contaminated media (i.e., paint surfaces) had the potential for contamination within or under the paint. Therefore, in-process media (paint) sampling was performed to determine the extent of contamination, if any. Biased and random in-process media samples were collected throughout the building and analyzed for depleted uranium contamination. Based on the in-process media sample results, the painted floors of Building 447 were "shaved" to remove the paint. No removal of paint from wall or ceiling surfaces was required due to paint sample results. Numerous in-process paint samples were not reported as PDS samples either because: 1) the pre-sample surveys indicated that the areas were contaminated and the paint had to be removed anyway, or 2) some areas were classified as LLW, thus the paint samples were removed from the PDS survey unit data set. Refer to the media samples results in Attachment B-2, *Radiological Survey Unit Data*

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Building 447 PDSR Radiological Survey Summary Table

Survey Unit	Class	Description	Floor (m2)	Total (m2)	TSAs Collected	RSAs Collected	% Scan Performed	Scan Area Performed (m2)	Media Samples Collected	Class Justification	PDS Results
447101	1	Building 447 VIA # 1, Interior Floor and <2 meters on the walls	309	517	N/A	N/A	N/A	N/A	N/A	Area could not be decontaminated to unrestricted release limits, therefore this area will be managed as LLW.	N/A
447102	2	Building 447 VIA # 1, Interior Ceiling and >2 meters on the walls	309	561	N/A	N/A	N/A	N/A	N/A	Area could not be decontaminated to unrestricted release limits, therefore this area will be managed as LLW.	N/A
447103	3	Building 447 VIA #1, Room 503 All Surfaces	125	468	N/A	N/A	N/A	N/A	N/A	Area could not be decontaminated to unrestricted release limits, therefore this area will be managed as LLW.	N/A
447201	1	Building 447 VIA # 2, Interior Floor and <2 meters on the walls in Rooms 31, 32, 402, 403, 404, 405, 405A, 405B, 406, 406A, 406B, 407, 407A, 408, 409, 410, 411, 420, 420A, 420B, and Corridor A	1,424	2,362	186 Systematically Gridded, 12 QC	186 Systematically Gridded	100%	2,362	93	Class 1 - Area had, prior to remediation, a potential for radioactive contamination, or known contamination above the $DCGL_W$.	Except for LLW areas, all survey and sample results in this survey unit are less than the PDSP unrestricted release criteria.
447202	2	Building 447 VIA # 2, Interior Walls >2 meters and Ceiling in Rooms 31, 32, 402, 403, 404, 405, 405A, 405B, 406, 406A, 406B, 407, 407A, 408, 409, 410, 411, 420, 420A, 420B, and Corridor A	1,424	3,034	28 Systematically Gridded, 2 QC	28 Systematically Gridded	50%	1,517	17	Class 2 - Area had, prior to remediation, a potential for radioactive contamination, or known contamination, but was not expected to exceed the $DCGL_W$.	Except for LLW areas, all survey and sample results in this survey unit are less than the PDSP unrestricted release criteria.
447203	1	Building 447 VIA #2, Room 415, All Surfaces	68	333	15 Systematically Gridded, 2 QC	15 Systematically Gridded	100%	333	0 (no paint present)	Class 1 - Area had, prior to remediation, a potential for radioactive contamination, or known contamination above the $DCGL_W$.	Except for LLW areas, all survey results in this survey unit are less than the PDSP unrestricted release criteria.
447204	1	Building 447 VIA # 2, 405A Pit, 405B Pit, & 36, all surfaces	83	335	16 Systematically Gridded, 2 QC	16 Systematically Gridded	100%	335	0 (no paint present)	Class 1 - Area had, prior to remediation, a potential for radioactive contamination, or known contamination above the $DCGL_W$.	Except for LLW areas, all survey results in this survey unit are less than the PDSP unrestricted release criteria.
447205	2	Building 447 VIA 2, Rooms 100, 101F, Sub Station, & Northwest Dock	128	524	16 Systematically Gridded, 4 Biased, 2 QC	16 Systematically Gridded, 4 Biased	100% Floor 25% walls and ceiling	227	16	Class 2 - Area had, prior to remediation, a potential for radioactive contamination, or known contamination, but was not expected to exceed the $DCGL_W$.	All survey and sample results in this survey unit are less than the PDSP unrestricted release criteria.
447206	2	Building 447 VIA 2, Roof	1,445	2,921	N/A	N/A	N/A	N/A	N/A	Area could not be decontaminated to unrestricted release limits, therefore this area will be managed as LLW.	N/A
447301	1	Building 447 VIA 3, All Surfaces	131	468	N/A	N/A	N/A	N/A	N/A	Area could not be decontaminated to unrestricted release limits, therefore this area will be managed as LLW.	N/A

Random and biased beryllium smear samples were collected in Building 447 in accordance with the PDSP and the *Beryllium Characterization Procedure,* PRO-536-BCPR, Revision 0, September 9, 1999. All final "as left" beryllium PDS swipe results were less than the action levels of 0.2 $\mu g/100cm^2$ and 0.1 $\mu g/100cm^2$. Detailed PDS "as left" beryllium laboratory swipe data and location maps are contained in Attachment C-1, *Beryllium Data Summaries and Sample Maps.*

4.3 RCRA/CERCLA Constituents [including metals and volatile organic compounds (VOCs)

Based on a review of the Historical Site Assessment Report (HSAR), RLCR, interviews, and facility walk-downs, the Building 447 elevator may have been used as a dumping area for solvents and used oils. After the sludge was removed from the pit, a concrete core sample was taken and analyzed for SVOCs, VOCs, and metals. The sample was a concrete core, two inches in diameter and 4 inches deep. All results were less than regulatory limits indicating that, if improper waste management actions did occur, the elevator pit was not contaminated. Sampling results are summarized in Attachment C-2, *Chemical Data Summaries and Sample Maps.*

The facility contained some RCRA regulated items, such as mercury thermostats, fluorescent light bulbs, mercury vapor light bulbs, mercury containing gauges, circuit boards, and lead-acid batteries. However, these items have been removed and managed in accordance with the Colorado Hazardous Waste Act.

4.4 Polychlorinated Biphenyls (PCBs)

Based on a review of the HSAR, RLCR, interviews, and facility walk-downs, the Building 447 elevator may have contained PCB oils. During decommissioning activities the oil from the elevator was removed and containerized. The oil was then sampled for PCB content, and all results were under the analytical detection limit. Had the system contained PCBs in the past, and the oil replaced, the residual would have lead to detectable PCB concentrations. Site transformers that have been through a PCB oil removal and refill process consistently continue to show detectable PCB concentrations. With no evidence of PCB contamination and no PCBs in the system, contamination of the concrete is not a concern. Sampling results are summarized in Attachment C-2, *Chemical Data Summaries and Sample Maps.*

Based on the age of B447 (constructed prior to 1980), paint used in the facility may contain PCBs, therefore, painted surfaces will be managed as PCB Bulk Product Waste. Painted concrete surfaces can be used as backfill on site in accordance with approval received from EPA in November 2001 (letter from K. Clough, US EPA Region 8, to J. Legare, DOE RFFO, 8EPR-F, Approval of the Risk-Based Approach for Polychlorinated Biphenyls (PCB)-Based Painted Concrete), provided the concrete meets the unrestricted-release criteria outlined in the Concrete Recycling RSOP.

The facility may have contained PCB fluorescent light ballasts, however, all leaking PCB ballasts, and those greater than 9 pounds have been removed from the facility and managed appropriately.

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Survey Area: VIA 2	Survey Unit: 447201	Building: 447

Description: Interior Floors and <2 meters on the walls in Rooms 31, 32, 402, 403, 404, 405, 405A, 405B, 406, 406A, 406B, 407, 407A, 408, 409, 410, 411, 420, 420A, 420B and Corridor A

Rocky Flats Environmental Technology Site
Final Radiological Survey Summary Results

Total Surface Activity Measurements

Nbr Random Measurements Required: 169
Nbr Random Measurements Performed: 186

Nbr Biased Measurements Required: 93
Nbr Biased Measurements Performed: 93

Nbr QC Required: 9
Nbr QC Performed: 12

Not all pages were revised - however it is easier to change the whole Data summary out than a few pages.

Beta

Maximum:	4,063.9 dpm/100cm²
Minimum:	-1,304.3 dpm/100cm²
Mean:	807.7 dpm/100cm²
Standard Deviation:	890.3
QC Maximum:	3,585.3 dpm/100cm²
QC Minimum:	1,026.2 dpm/100cm²
QC Mean:	1,785.7 dpm/100cm²
Uranium DCGLw:	5,000.0 dpm/100cm²
Uranium DCGLEMC:	15,000.0 dpm/100cm²

Removable Surface Activity Measurements

Nbr Random Measurements Required: 169
Nbr Random Measurements Performed: 186

Nbr Biased Measurements Required: 93
Nbr Biased Measurements Performed: 93

Beta

Maximum:	144.4 dpm/100cm²
Minimum:	-156.0 dpm/100cm²
Mean:	11.1 dpm/100cm²
Standard Deviation:	51.5
Uranium DCGLw:	1,000.0

Media Sample Results

Nbr Random Required: 93
Nbr Random Collected: 93

Nbr Biased Required: 0
Nbr Biased Collected: 0

Uranium

Maximum:	4,071 dpm/100cm²
Minimum:	255 ~~3,376~~ dpm/100cm²
Mean:	1985 ~~51,717~~ dpm/100cm²
Standard Deviation:	1348 ~~1,093~~ RC 9-29-04
Uranium DCGLw:	5,000 dpm/100cm²
Uranium DCGLEMC:	15,000 dpm/100cm²

Transuranic

Maximum:	0 dpm/100cm²
Minimum:	0 dpm/100cm²
Mean:	0 dpm/100cm²
Standard Deviation:	0
Transuranic DCGLw:	100 dpm/100cm²
Transuranic DCGLEMC:	300 dpm/100cm²

Conclusion - A comparison of the random, biased and QC measurement results against the PDSP Table 7-1 Surface Contamination Guideline limits was conducted; the comparison demonstrates that this survey unit passes the criterion specified in the PDSP.

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Survey Area: VIA 2	Survey Unit: 447201	Building: 447

Description: Interior Floors and <2 meters on the walls in Rooms 31, 32, 402, 403, 404, 405, 405A, 405B, 406, 406A, 406B, 407, 407A, 408, 409, 410, 411, 420, 420A, 420B and Corridor A

Instrument Data Sheet

Inst/RCT Number	RCT ID	Analysis Date	Instr Model	Instru S/N	Probe Type	Calibration Due Dt	Instru Efficiency Alpha	Instru Efficiency Beta	A-Priori MDA (dpm/100cm²) Alpha	A-Priori MDA (dpm/100cm²) Beta	Survey Type
1	511390	09/29/03	BC-4	772	NA	06/26/04	NA	0.140	NA	258.0	R
2	512590	09/29/03	Electra	3102	DP-6	01/31/04	NA	0.220	NA	745.0	T
3	700832	10/15/03	Electra	3254	DP-6	01/16/04	NA	0.220	NA	745.0	T
4	516299	10/15/03	BC-4	772	NA	06/26/04	NA	0.140	NA	258.0	R
5	700832	10/16/03	Electra	1136	DP-6	12/18/03	NA	0.220	NA	745.0	T
6	902859	10/16/03	BC-4	772	NA	06/26/04	NA	0.140	NA	258.0	R
7	700832	10/17/03	Electra	1279	DP-6	01/31/04	NA	0.220	NA	745.0	T
8	902859	10/17/03	BC-4	772	NA	06/26/04	NA	0.140	NA	258.0	R
9	712456	02/03/04	BC-4	694	NA	10/20/04	NA	0.140	NA	258.0	R
10	712456	02/03/04	BC-4	773	NA	09/19/04	NA	0.140	NA	258.0	R
11	702058	02/03/04	Electra	1679	DP-6	06/22/04	NA	0.220	NA	745.0	T
12	712456	02/04/04	BC-4	694	NA	10/20/04	NA	0.140	NA	258.0	R
13	712456	02/04/04	BC-4	773	NA	09/19/04	NA	0.140	NA	258.0	R
14	712600	02/04/04	Electra	1279	DP-6	07/12/04	NA	0.220	NA	745.0	T
15	712456	02/05/04	BC-4	694	NA	10/20/04	NA	0.140	NA	258.0	R
16	712456	02/05/04	BC-4	773	NA	09/19/04	NA	0.140	NA	258.0	R
17	712600	02/05/04	Electra	1279	DP-6	07/12/04	NA	0.220	NA	745.0	T
18	712456	02/06/04	BC-4	694	NA	10/20/04	NA	0.140	NA	258.0	R
19	712456	02/06/04	BC-4	773	NA	09/19/04	NA	0.140	NA	258.0	R
20	702058	02/06/04	Electra	1279	DP-6	07/12/04	NA	0.220	NA	745.0	T
21	701418	02/17/04	BC-4	772	NA	06/26/04	NA	0.140	NA	258.0	R
22	701418	02/17/04	BC-4	773	NA	09/19/04	NA	0.140	NA	258.0	R
23	702058	02/17/04	Electra	1679	DP-6	06/22/04	NA	0.220	NA	745.0	T
24	903346	02/18/04	BC-4	772	NA	06/26/04	NA	0.140	NA	258.0	R
25	903346	02/18/04	BC-4	773	NA	09/19/04	NA	0.140	NA	258.0	R
26	702058	02/18/04	Electra	1679	DP-6	06/22/04	NA	0.220	NA	745.0	T
27	903346	02/19/04	BC-4	772	NA	06/26/04	NA	0.140	NA	258.0	R
28	903346	02/19/04	BC-4	773	NA	09/19/04	NA	0.140	NA	258.0	R
29	701418	02/19/04	Electra	1679	DP-6	06/22/04	NA	0.220	NA	745.0	T
30	701418	02/23/04	Electra	1679	DP-6	06/22/04	NA	0.220	NA	745.0	T
31	712456	02/23/04	BC-4	772	NA	06/26/04	NA	0.140	NA	258.0	R
32	712456	02/23/04	BC-4	773	NA	09/19/04	NA	0.140	NA	258.0	R
33	701418	02/24/04	Electra	1679	DP-6	06/22/04	NA	0.220	NA	745.0	T
34	712456	02/24/04	BC-4	772	NA	06/26/04	NA	0.140	NA	258.0	R

9

Survey Area: VIA 2	Survey Unit: 447201	Building: 447

Description: Interior Floors and <2 meters on the walls in Rooms 31, 32, 402, 403, 404, 405, 405A, 405B, 406, 406A, 406B, 407, 407A, 408, 409, 410, 411, 420, 420A, 420B and Corridor A

Instrument Data Sheet

Inst/RCT Number	RCT ID	Analysis Date	Instr Model	Instru S/N	Probe Type	Calibration Due Dt	Instru Efficiency Alpha	Instru Efficiency Beta	A-Priori MDA (dpm/100cm²) Alpha	A-Priori MDA (dpm/100cm²) Beta	Survey Type
35	712456	02/24/04	BC-4	773	NA	09/19/04	NA	0.140	NA	258.0	R
36	701418	02/25/04	Electra	2319	DP-6	07/29/04	NA	0.220	NA	745.0	T
37	712456	02/25/04	BC-4	772	NA	06/26/04	NA	0.140	NA	258.0	R
38	712456	02/25/04	BC-4	773	NA	09/19/04	NA	0.140	NA	258.0	R
39	702058	03/02/04	Electra	2314	DP-6	04/07/04	NA	0.220	NA	745.0	T
40	712456	03/02/04	BC-4	772	NA	06/26/04	NA	0.140	NA	258.0	R
41	712456	03/02/04	BC-4	773	NA	09/19/04	NA	0.140	NA	258.0	R
42	712600	03/03/04	Electra	2314	DP-6	04/07/04	NA	0.220	NA	745.0	T
43	712456	03/03/04	BC-4	772	NA	06/26/04	NA	0.140	NA	258.0	R
44	712456	03/03/04	BC-4	773	NA	09/19/04	NA	0.140	NA	258.0	R
45	701418	03/04/04	Electra	2314	DP-6	04/07/04	NA	0.220	NA	745.0	T
46	712456	03/04/04	BC-4	772	NA	06/26/04	NA	0.140	NA	258.0	R
47	712456	03/04/04	BC-4	773	NA	09/19/04	NA	0.140	NA	258.0	R
48	702058	03/05/04	Electra	2314	DP-6	04/07/04	NA	0.220	NA	745.0	T
49	712456	03/05/04	BC-4	772	NA	06/26/04	NA	0.140	NA	258.0	R
50	712456	03/05/04	BC-4	773	NA	09/19/04	NA	0.140	NA	258.0	R
51	712600	03/30/04	BC-4	772	NA	06/26/04	NA	0.140	NA	258.0	R
52	712600	03/30/04	BC-4	773	NA	09/19/04	NA	0.140	NA	258.0	R
53	712456	03/30/04	Electra	2314	DP-6	08/06/04	NA	0.220	NA	745.0	T
54	701418	03/30/04	BC-4	772	NA	06/26/04	NA	0.140	NA	258.0	R
55	701418	03/30/04	BC-4	773	NA	09/19/04	NA	0.140	NA	258.0	R
56	712456	03/30/04	Electra	2314	DP-6	08/06/04	NA	0.220	NA	745.0	T
57	712193	07/14/04	Electra	668	DP-8	12/15/04	NA	0.160	NA	745.0	S
58	712193	07/14/04	Electra	661	DP-8	11/28/04	NA	0.160	NA	745.0	S
59	712193	07/14/04	Electra	3109	DP-6	12/14/04	NA	0.220	NA	745.0	S
60	712193	07/15/04	Electra	668	DP-8	12/15/04	NA	0.160	NA	745.0	S
61	712193	07/15/04	Electra	661	DP-8	11/28/04	NA	0.160	NA	745.0	S
62	712193	07/15/04	Electra	3109	DP-6	12/14/04	NA	0.220	NA	745.0	S
63	712193	07/19/04	Electra	668	DP-8	12/15/04	NA	0.160	NA	745.0	S
64	712193	07/19/04	Electra	661	DP-8	11/28/04	NA	0.160	NA	745.0	S
65	712193	07/19/04	Electra	3109	DP-6	12/14/04	NA	0.220	NA	745.0	S
66	712193	07/20/04	Electra	661	DP-8	11/28/04	NA	0.160	NA	745.0	S
67	712193	07/20/04	Electra	3109	DP-6	12/14/04	NA	0.220	NA	745.0	S
68	712193	07/21/04	Electra	661	DP-8	11/28/04	NA	0.160	NA	745.0	S

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Survey Area: VIA 2	Survey Unit: 447201	Building: 447

Description: Interior Floors and <2 meters on the walls in Rooms 31, 32, 402, 403, 404, 405, 405A, 405B, 406, 406A, 406B, 407, 407A, 408, 409, 410, 411, 420, 420A, 420B and Corridor A

Instrument Data Sheet

Inst/RCT Number	RCT ID	Analysis Date	Instr Model	Instru S/N	Probe Type	Calibration Due Dt	Instru Efficiency Alpha	Instru Efficiency Beta	A-Priori MDA (dpm/100cm²) Alpha	A-Priori MDA (dpm/100cm²) Beta	Survey Type
69	712193	07/21/04	Electra	3109	DP-6	12/14/04	NA	0.220	NA	745.0	S
70	711447	07/26/04	Electra	668	DP-8	12/15/04	NA	0.160	NA	745.0	S
71	711447	07/26/04	Electra	290	DP-6	09/16/04	NA	0.220	NA	745.0	S
72	711447	07/26/04	Electra	661	DP-8	11/28/04	NA	0.160	NA	745.0	S
73	702377	07/26/04	Electra	3109	DP-6	12/14/04	NA	0.220	NA	745.0	T/S
74	711447	07/27/04	Electra	668	DP-8	12/15/04	NA	0.160	NA	745.0	S
75	711447	07/27/04	Electra	290	DP-6	09/16/04	NA	0.220	NA	745.0	T/S
76	712467	07/27/04	Electra	3105	DP-6	11/18/04	NA	0.220	NA	745.0	T/S
77	711447	07/28/04	Electra	668	DP-8	12/15/04	NA	0.160	NA	745.0	S
78	712467	07/28/04	Electra	672	DP-8	01/12/05	NA	0.160	NA	745.0	S
79	712467	07/28/04	Electra	3105	DP-6	11/18/04	NA	0.220	NA	745.0	S
80	711447	07/28/04	Electra	2352	DP-6	11/13/04	NA	0.220	NA	745.0	S
81	711447	07/28/04	Ludlum 292	99042	NA	10/26/04	NA	0.250	NA	205.0	R
82	711447	08/24/04	Electra	290	DP-6	09/16/04	NA	0.220	NA	745.0	S
83	712193	08/24/04	Electra	658	DP-8	01/29/05	NA	0.160	NA	999.0	S
84	712467	08/24/04	Electra	672	DP-8	01/12/05	NA	0.160	NA	999.0	S
85	711447	08/26/04	Electra	290	DP-6	09/16/04	NA	0.220	NA	745.0	S
86	712193	08/26/04	Electra	1415	DP-6	10/27/04	NA	0.220	NA	745.0	T/S
87	511390	09/02/04	Electra	3102	DP-6	02/19/05	NA	0.220	NA	745.0	T/S
88	712467	09/02/04	Electra	665	DP-6	10/26/04	NA	0.220	NA	745.0	T/I/S
89	711447	09/02/04	Electra	3370	DP-6	02/16/05	NA	0.220	NA	745.0	Q/S
90	712193	09/02/04	Ludlum 292	99042	NA	10/26/04	NA	0.250	NA	205.0	R
91	712193	09/02/04	Electra	1261	DP-8	02/26/05	NA	0.160	NA	745.0	S
92	711447	09/03/04	Electra	297	DP-6	01/27/05	NA	0.220	NA	745.0	T/S
93	712193	09/03/04	Electra	665	DP-6	10/26/04	NA	0.220	NA	745.0	Q
94	712467	09/07/04	Electra	1136	DP-6	02/28/05	NA	0.220	NA	745.0	T/S
95	711447	09/07/04	Electra	3102	DP-6	02/19/05	NA	0.220	NA	745.0	T/S
96	712193	09/07/04	Electra	3370	DP-6	02/16/05	NA	0.220	NA	745.0	Q
97	511390	09/07/04	Ludlum 292	99042	NA	10/26/04	NA	0.250	NA	205.0	R

Survey Types: T = Total Surface Activity, Q = TSA QC, S = Scan, R = Removable Surface Activity, I = Investigation

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Survey Area: VIA 2	Survey Unit: 447201	Building: 447

Description: Interior Floors and <2 meters on the walls in Rooms 31, 32, 402, 403, 404, 405, 405A, 405B, 406, 406A, 406B, 407, 407A, 408, 409, 410, 411, 420, 420A, 420B and Corridor A

Random Removable Surface Activity Data Sheet

Random Measurement Location	Inst / RCT Nbr	Net Alpha (dpm/100cm²)	Net Beta (dpm/100cm²)	
447201PRP-N374	90	N/A	-36.0	
447201PRP-N375	90	N/A	-40.0	
447201PRP-N376	90	N/A	-28.0	
447201PRP-N377	90	N/A	-24.0	
447201PRP-N378	90	N/A	-44.0	
447201PRP-N379	90	N/A	-32.0	
447201PRP-N380	90	N/A	-36.0	
447201PRP-N381	90	N/A	-24.0	
447201PRP-N382	90	N/A	-28.0	
447201PRP-N383	90	N/A	-52.0	
447201PRP-N384	90	N/A	-16.0	
447201PRP-N385	90	N/A	-32.0	
447201PRP-N386	90	N/A	-44.0	
447201PRP-N387	90	N/A	-32.0	
447201PRP-N388	90	N/A	-64.0	
447201PRP-N389	90	N/A	-44.0	
447201PRP-N390	90	N/A	-28.0	
447201PRP-N391	81	N/A	-31.6	
447201PRP-N392	81	N/A	72.4	
447201PRP-N393	81	N/A	-31.6	
447201PRP-N394	81	N/A	-19.6	
447201PRP-N395	81	N/A	-31.6	
447201PRP-N396	81	N/A	72.4	
447201PRP-N397	81	N/A	144.4	
447201PRP-N398	81	N/A	-31.6	
447201PRP-N399	81	N/A	144.4	
447201PRP-N400	81	N/A	-31.6	
447201PRP-N401	81	N/A	44.4	
447201PRP-N402	81	N/A	88.4	

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Survey Area: VIA 2	Survey Unit: 447201	Building: 447

Description: Interior Floors and <2 meters on the walls in Rooms 31, 32, 402, 403, 404, 405, 405A, 405B, 406, 406A, 406B, 407, 407A, 408, 409, 410, 411, 420, 420A, 420B and Corridor A

Random Removable Surface Activity Data Sheet

Random Measurement Location	Inst / RCT Nbr	Net Alpha (dpm/100cm²)	Net Beta (dpm/100cm²)	
447201PRP-N403	81	N/A	72.4	
447201PRP-N404	81	N/A	40.4	
447201PRP-N405	81	N/A	104.4	
447201PRP-N406	81	N/A	72.4	
447201PRP-N407	81	N/A	40.4	
447201PRP-N408	81	N/A	140.4	
447201PRP-N409	81	N/A	36.4	
447201PRP-N410	81	N/A	36.4	
447201PRP-N411	81	N/A	140.4	
447201PRP-N412	81	N/A	36.4	
447201PRP-N413	81	N/A	36.4	
447201PRP-N414	81	N/A	68.4	
447201PRP-N415	81	N/A	68.4	
447201PRP-N416	81	N/A	-31.6	
447201PRP-N417	81	N/A	92.4	
447201PRP-N418	81	N/A	28.4	
447201PRP-N419	81	N/A	84.4	
447201PRP-N420	81	N/A	56.4	
447201PRP-N421	81	N/A	28.4	
447201PRP-N422	81	N/A	56.4	
447201PRP-N423	81	N/A	-11.6	
447201PRP-N424	81	N/A	92.4	
447201PRP-N425	81	N/A	24.4	
447201PRP-N426	81	N/A	72.4	
447201PRP-N427	81	N/A	60.4	
447201PRP-N428	81	N/A	20.4	
447201PRP-N429	81	N/A	52.4	
447201PRP-N430	81	N/A	80.4	
447201PRP-N431	81	N/A	-11.6	

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Survey Area: VIA 2	Survey Unit: 447201	Building: 447

Description: Interior Floors and <2 meters on the walls in Rooms 31, 32, 402, 403, 404, 405, 405A, 405B, 406, 406A, 406B, 407, 407A, 408, 409, 410, 411, 420, 420A, 420B and Corridor A

Random Removable Surface Activity Data Sheet

Random Measurement Location	Inst / RCT Nbr	Net Alpha (dpm/100cm²)	Net Beta (dpm/100cm²)	
447201PRP-N432	81	N/A	12.4	
447201PRP-N433	81	N/A	124.4	
447201PRP-N434	81	N/A	104.4	
447201PRP-N435	81	N/A	116.4	
447201PRP-N436	81	N/A	28.4	
447201PRP-N437	81	N/A	48.4	
447201PRP-N438	81	N/A	72.4	
447201PRP-N439	81	N/A	92.4	
447201PRP-N440	81	N/A	-3.6	
447201PRP-N441	81	N/A	56.4	
447201PRP-N442	81	N/A	136.4	
447201PRP-N443	81	N/A	8.4	
447201PRP-N444	81	N/A	-19.6	
447201PRP-N445	81	N/A	136.4	
447201PRP-N446	81	N/A	76.4	
447201PRP-N447	81	N/A	40.4	
447201PRP-N448	81	N/A	124.4	
447201PRP-N449	81	N/A	56.4	
447201PRP-N450	81	N/A	88.4	
447201PRP-N451	81	N/A	76.4	
447201PRP-N452	90	N/A	8.0	
447201PRP-N453	90	N/A	-28.0	
447201PRP-N454	90	N/A	0.0	
447201PRP-N455	90	N/A	12.0	
447201PRP-N456	90	N/A	56.0	
447201PRP-N457	90	N/A	-36.0	
447201PRP-N458	90	N/A	-72.0	
447201PRP-N459	90	N/A	48.0	
447201PRP-N460	90	N/A	56.0	

Survey Area: VIA 2	Survey Unit: 447201	Building: 447

Description: Interior Floors and <2 meters on the walls in Rooms 31, 32, 402, 403, 404, 405, 405A, 405B, 406, 406A, 406B, 407, 407A, 408, 409, 410, 411, 420, 420A, 420B and Corridor A

Random Removable Surface Activity Data Sheet

Random Measurement Location	Inst / RCT Nbr	Net Alpha (dpm/100cm²)	Net Beta (dpm/100cm²)	
447201PRP-N461	90	N/A	44.0	
447201PRP-N462	90	N/A	-156.0	
447201PRP-N463	90	N/A	44.0	
447201PRP-N464	81	N/A	-23.6	
447201PRP-N465	81	N/A	-83.6	
447201PRP-N468	90	N/A	-36.0	
447201PRP-N469	90	N/A	-24.0	
447201PRP-N470	90	N/A	-16.0	
447201PRP-N471	90	N/A	-40.0	
447201PRP-N472	90	N/A	16.0	
447201PRP-N473	90	N/A	-28.0	
447201PRP-N474	90	N/A	-24.0	
447201PRP-N475	90	N/A	4.0	
447201PRP-N476	90	N/A	56.0	
447201PRP-N477	90	N/A	-8.0	
447201PRP-N478	90	N/A	-72.0	
447201PRP-N479	90	N/A	-28.0	
447201PRP-N480	90	N/A	-40.0	
447201PRP-N481	90	N/A	-52.0	
447201PRP-N482	90	N/A	8.0	
447201PRP-N483	90	N/A	-72.0	
447201PRP-N484	90	N/A	20.0	
447201PRP-N485	90	N/A	-52.0	
447201PRP-N486	90	N/A	-28.0	
447201PRP-N487	90	N/A	-24.0	
447201PRP-N488	90	N/A	-8.0	
447201PRP-N489	90	N/A	8.0	
447201PRP-N490	90	N/A	40.0	
447201PRP-N491	90	N/A	-8.0	

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Survey Area: VIA 2	Survey Unit: 447201	Building: 447

Description: Interior Floors and <2 meters on the walls in Rooms 31, 32, 402, 403, 404, 405, 405A, 405B, 406, 406A, 406B, 407, 407A, 408, 409, 410, 411, 420, 420A, 420B and Corridor A

Random Removable Surface Activity Data Sheet

Random Measurement Location	Inst / RCT Nbr	Net Alpha (dpm/100cm²)	Net Beta (dpm/100cm²)	
447201PRP-N492	90	N/A	56.0	
447201PRP-N493	90	N/A	4.0	
447201PRP-N494	97	N/A	12.0	
447201PRP-N495	97	N/A	-24.0	
447201PRP-N496	97	N/A	4.0	
447201PRP-N497	97	N/A	16.0	
447201PRP-N498	97	N/A	60.0	
447201PRP-N499	97	N/A	-32.0	
447201PRP-N500	97	N/A	-68.0	
447201PRP-N501	97	N/A	-12.0	
447201PRP-N502	97	N/A	-36.0	
447201PRP-N503	97	N/A	20.0	
447201PRP-N504	97	N/A	-24.0	
447201PRP-N505	97	N/A	-20.0	
447201PRP-N506	90	N/A	-28.0	
447201PRP-N507	97	N/A	8.0	
447201PRP-N508	97	N/A	60.0	
447201PRP-N509	97	N/A	-4.0	
447201PRP-N510	97	N/A	44.0	
447201PRP-N511	97	N/A	12.0	
447201PRP-N512	97	N/A	-4.0	
447201PRP-N513	97	N/A	-20.0	
447201PRP-N514	97	N/A	-24.0	
447201PRP-N515	97	N/A	60.0	
447201PRP-N516	97	N/A	44.0	
447201PRP-N517	97	N/A	-68.0	
447201PRP-N518	97	N/A	12.0	
447201PRP-N519	97	N/A	-4.0	
447201PRP-N520	97	N/A	44.0	

Survey Area: VIA 2	Survey Unit: 447201	Building: 447

Description: Interior Floors and <2 meters on the walls in Rooms 31, 32, 402, 403, 404, 405, 405A, 405B, 406, 406A, 406B, 407, 407A, 408, 409, 410, 411, 420, 420A, 420B and Corridor A

Random Removable Surface Activity Data Sheet

Random Measurement Location	Inst / RCT Nbr	Net Alpha (dpm/100cm²)	Net Beta (dpm/100cm²)	
447201PRP-N521	97	N/A	12.0	
447201PRP-N522	97	N/A	-24.0	
447201PRP-N523	97	N/A	4.0	
447201PRP-N524	97	N/A	-4.0	
447201PRP-N525	97	N/A	16.0	
447201PRP-N526	97	N/A	60.0	
447201PRP-N527	97	N/A	-32.0	
447201PRP-N528	97	N/A	-68.0	
447201PRP-N529	97	N/A	-12.0	
447201PRP-N530	97	N/A	-36.0	
447201PRP-N531	97	N/A	20.0	
447201PRP-N532	97	N/A	-24.0	
447201PRP-N533	97	N/A	-20.0	
447201PRP-N534	97	N/A	8.0	
447201PRP-N535	97	N/A	60.0	
447201PRP-N536	97	N/A	-20.0	
447201PRP-N537	97	N/A	-24.0	
447201PRP-N538	97	N/A	12.0	
447201PRP-N539	97	N/A	60.0	
447201PRP-N591	90	N/A	0.0	
447201PRP-N592	90	N/A	-4.0	
447201PRP-N593	90	N/A	-12.0	
447201PRP-N594	90	N/A	-32.0	
447201PRP-N595	90	N/A	-36.0	
447201PRP-N596	90	N/A	-4.0	
447201PRP-N597	90	N/A	0.0	
447201PRP-N598	90	N/A	-40.0	
447201PRP-N599	90	N/A	-16.0	
447201PRP-N600	90	N/A	-24.0	

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Survey Area: VIA 2	Survey Unit: 447201	Building: 447

Description: Interior Floors and <2 meters on the walls in Rooms 31, 32, 402, 403, 404, 405, 405A, 405B, 406, 406A, 406B, 407, 407A, 408, 409, 410, 411, 420, 420A, 420B and Corridor A

Random Removable Surface Activity Data Sheet

Random Measurement Location	Inst / RCT Nbr	Net Alpha (dpm/100cm²)	Net Beta (dpm/100cm²)	
447201PRP-N601	90	N/A	-48.0	
447201PRP-N602	90	N/A	-4.0	
447201PRP-N603	90	N/A	0.0	
447201PRP-N604	90	N/A	-44.0	
447201PRP-N605	90	N/A	-40.0	
447201PRP-N606	90	N/A	-28.0	
447201PRP-N607	90	N/A	0.0	
447201PRP-N608	90	N/A	-28.0	
447201PRP-N609	90	N/A	-52.0	
447201PRP-N610	90	N/A	-44.0	
447201PRP-N611	90	N/A	-16.0	
447201PRP-N612	90	N/A	-52.0	

Biased Removable Surface Activity Data Sheet

	Pre Media Sample Data			Post Media Sample Data		
Biased Measurement Location	Inst / RCT Nbr	Net Alpha (dpm/100cm²)	Net Beta (dpm/100cm²)	Inst / RCT Nbr	Net Alpha (dpm/100cm²)	Net Beta (dpm/100cm²)
447201PBP-N001	1	N/A	-12.1	1	N/A	23.6
447201PBP-N004	1	N/A	-40.7	1	N/A	30.7
447201PBP-N019	8	N/A	-54.2	8	N/A	74.3
447201PBP-N021	4	N/A	-52.9	4	N/A	4.3
447201PBP-N022	4	N/A	18.6	4	N/A	-2.9
447201PBP-N035	9	N/A	-67.1	9	N/A	-2.8
447201PBP-N036	10	N/A	48.6	10	N/A	-8.5
447201PBP-N037	9	N/A	25.7	9	N/A	-2.8
447201PBP-N038	10	N/A	-1.4	10	N/A	34.3
447201PBP-N039	9	N/A	97.2	9	N/A	-60.0
447201PBP-N060	12	N/A	12.9	12	N/A	-30.0
447201PBP-N061	13	N/A	8.5	13	N/A	-34.3

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Survey Area: VIA 2	Survey Unit: 447201	Building: 447

Description: Interior Floors and <2 meters on the walls in Rooms 31, 32, 402, 403, 404, 405, 405A, 405B, 406, 406A, 406B, 407, 407A, 408, 409, 410, 411, 420, 420A, 420B and Corridor A

Biased Removable Surface Activity Data Sheet

	Pre Media Sample Data			Post Media Sample Data		
Biased Measurement Location	Inst / RCT Nbr	Net Alpha (dpm/100cm²)	Net Beta (dpm/100cm²)	Inst / RCT Nbr	Net Alpha (dpm/100cm²)	Net Beta (dpm/100cm²)
447201PBP-N065	13	N/A	-41.5	12	N/A	27.2
447201PBP-N066	12	N/A	-22.8	13	N/A	-12.9
447201PBP-N067	13	N/A	-20.0	12	N/A	-65.7
447201PBP-N068	12	N/A	48.6	13	N/A	51.4
447201PBP-N069	13	N/A	44.3	12	N/A	27.2
447201PBP-N070	12	N/A	41.4	13	N/A	-34.3
447201PBP-N075	13	N/A	-48.6	13	N/A	94.3
447201PBP-N076	12	N/A	-8.6	12	N/A	-22.8
447201PBP-N077	13	N/A	-5.7	13	N/A	8.5
447201PBP-N078	12	N/A	-58.6	12	N/A	5.7
447201PBP-N079	13	N/A	37.1	13	N/A	51.4
447201PBP-N080	12	N/A	-30.0	12	N/A	-15.7
447201PBP-N081	13	N/A	22.8	13	N/A	80.0
447201PBP-N082	12	N/A	70.0	12	N/A	-8.6
447201PBP-N083	13	N/A	72.8	13	N/A	22.8
447201PBP-N084	12	N/A	-37.1	12	N/A	20.0
447201PBP-N135	21	N/A	-28.6	21	N/A	114.3
447201PBP-N136	22	N/A	-35.7	22	N/A	-7.1
447201PBP-N142	22	N/A	-57.1	22	N/A	14.3
447201PBP-N143	21	N/A	7.1	21	N/A	-42.9
447201PBP-N144	22	N/A	-7.1	22	N/A	-57.1
447201PBP-N145	24	N/A	35.7	24	N/A	21.4
447201PBP-N146	24	N/A	71.4	24	N/A	50.0
447201PBP-N147	24	N/A	57.1	24	N/A	128.5
447201PBP-N148	24	N/A	28.5	24	N/A	71.4
447201PBP-N149	24	N/A	71.4	24	N/A	50.0
447201PBP-N150	24	N/A	28.5	24	N/A	35.7

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Survey Area: VIA 2	Survey Unit: 447201	Building: 447

Description: Interior Floors and <2 meters on the walls in Rooms 31, 32, 402, 403, 404, 405, 405A, 405B, 406, 406A, 406B, 407, 407A, 408, 409, 410, 411, 420, 420A, 420B and Corridor A

Biased Removable Surface Activity Data Sheet

	Pre Media Sample Data			Post Media Sample Data		
Biased Measurement Location	Inst / RCT Nbr	Net Alpha (dpm/100cm²)	Net Beta (dpm/100cm²)	Inst / RCT Nbr	Net Alpha (dpm/100cm²)	Net Beta (dpm/100cm²)
447201PBP-N151	24	N/A	42.8	24	N/A	35.7
447201PBP-N152	24	N/A	71.4	24	N/A	28.5
447201PBP-N153	24	N/A	-21.5	24	N/A	107.1
447201PBP-N154	24	N/A	142.8	24	N/A	7.1
447201PBP-N155	24	N/A	142.8	24	N/A	50.0
447201PBP-N160	24	N/A	121.4	24	N/A	214.3
447201PBP-N161	24	N/A	121.4	24	N/A	-35.7
447201PBP-N162	24	N/A	71.4	24	N/A	50.0
447201PBP-N165	25	N/A	-28.5	25	N/A	-28.5
447201PBP-N206	31	N/A	27.1	31	N/A	-30.0
447201PBP-N207	32	N/A	30.7	32	N/A	30.7
447201PBP-N208	31	N/A	12.8	31	N/A	20.0
447201PBP-N209	32	N/A	66.5	32	N/A	-5.0
447201PBP-N210	31	N/A	55.7	31	N/A	-30.0
447201PBP-N211	32	N/A	-26.4	32	N/A	-12.1
447201PBP-N213	32	N/A	-47.8	32	N/A	-40.7
447201PBP-N214	31	N/A	-80.0	31	N/A	5.7
447201PBP-N262	40	N/A	7.1	40	N/A	7.1
447201PBP-N263	41	N/A	-43.5	41	N/A	35.0
447201PBP-N266	40	N/A	14.3	40	N/A	-7.2
447201PBP-N300	46	N/A	-47.8	46	N/A	95.0
447201PBP-N301	47	N/A	-2.9	47	N/A	-17.2
447201PBP-N302	46	N/A	80.8	46	N/A	45.0
447201PBP-N303	47	N/A	54.3	47	N/A	40.0
447201PBP-N308	46	N/A	66.5	46	N/A	-69.2
447201PBP-N309	47	N/A	-24.3	47	N/A	4.3
447201PBP-N311	47	N/A	11.4	47	N/A	-67.2

Survey Area: VIA 2	Survey Unit: 447201	Building: 447

Description: Interior Floors and <2 meters on the walls in Rooms 31, 32, 402, 403, 404, 405, 405A, 405B, 406, 406A, 406B, 407, 407A, 408, 409, 410, 411, 420, 420A, 420B and Corridor A

Biased Removable Surface Activity Data Sheet

	Pre Media Sample Data			Post Media Sample Data		
Biased Measurement Location	Inst / RCT Nbr	Net Alpha (dpm/100cm²)	Net Beta (dpm/100cm²)	Inst / RCT Nbr	Net Alpha (dpm/100cm²)	Net Beta (dpm/100cm²)
447201PBP-N318	50	N/A	-4.2	50	N/A	-25.7
447201PBP-N319	49	N/A	-5.8	49	N/A	8.5
447201PBP-N320	50	N/A	2.9	50	N/A	10.0
447201PBP-N321	49	N/A	44.2	49	N/A	44.2
447201PBP-N324	50	N/A	24.3	50	N/A	-40.0
447201PBP-N325	49	N/A	37.1	49	N/A	-20.0
447201PBP-N353	51	N/A	-14.3	51	N/A	35.7
447201PBP-N354	51	N/A	100.0	51	N/A	85.7
447201PBP-N355	51	N/A	21.4	51	N/A	71.4
447201PBP-N356	51	N/A	64.2	51	N/A	-57.2
447201PBP-N357	51	N/A	-35.8	51	N/A	92.8
447201PBP-N358	51	N/A	42.8	51	N/A	-57.2
447201PBP-N359	51	N/A	7.1	51	N/A	28.5
447201PBP-N360	54	N/A	26.4	54	N/A	47.8
447201PBP-N361	54	N/A	-16.5	54	N/A	90.7
447201PBP-N362	54	N/A	26.4	54	N/A	-9.3
447201PBP-N363	54	N/A	40.7	54	N/A	62.1
447201PBP-N364	54	N/A	-9.3	54	N/A	26.4
447201PBP-N365	54	N/A	76.4	54	N/A	55.0
447201PBP-N366	54	N/A	-23.6	54	N/A	19.3
447201PBP-N367	54	N/A	-16.5	54	N/A	-2.2
447201PBP-N368	54	N/A	-80.7	54	N/A	-66.5
447201PBP-N369	54	N/A	19.3	54	N/A	-9.3
447201PBP-N370	54	N/A	-109.3	54	N/A	-9.3
447201PBP-N371	54	N/A	47.8	54	N/A	26.4
447201PBP-N372	54	N/A	-2.2	54	N/A	5.0
447201PBP-N373	54	N/A	33.5	54	N/A	-66.5

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Survey Area: VIA 2	Survey Unit: 447201	Building: 447

Description: Interior Floors and <2 meters on the walls in Rooms 31, 32, 402, 403, 404, 405, 405A, 405B, 406, 406A, 406B, 407, 407A, 408, 409, 410, 411, 420, 420A, 420B and Corridor A

Comments: 1. Media samples were collected several months prior to PDS as part of in-process characterization to provide project management with timely information as to which painted surfaces would need to be remediated and/or removed and managed as Low-Level Waste. a. As a result, the following media sample locations were found to be above the unconditional release limits during the Pre sample surveys and thus were not collected. Project Management was given locations and areas were either scabbled and re-surveyed during the PDS or will be managed as Low-Level Waste: 3, 6, 17, 18, 26, 28, 42, 51, 64, 71, 86, 87, 89, 90, 92, 93, 98, 100, 102, 105, 106, 107, 109, 115, 127, 128, 129, 173, 174, 176, 177, 178, 179, 180, 183, 194, 195, 196, 197, 198, 199, 200, 201, 215 - 235, 238, 239, 244, 256, 268, 270, 272, 274, 275, 279- 284, 286, 287, 296- 299, 304 - 307, 331, 332, 333, and 347. b. Paint was removed from 100 % of the floor surfaces. Also, some walls were removed and managed as low level waste during in-process stripout. The following media samples on these surfaces were removed from the package prior to the start of PDS: 2, 5, 7, 8- 16, 20, 23 - 25, 27, 29 - 34, 40, 41, 43- 50, 52- 59, 62, 63, 72, 73, 74, 85, 88, 91, 94, 95, 96, 97, 99, 101, 103, 104, 108, 110- 114, 116 - 126, 130 - 135, 137 - 141, 159, 163, 164, 166 - 172, 175, 181, 182, 184 - 193, 202 - 205, 212, 236, 237, 240 - 243, 245- 255, 257 - 261, 264, 265, 267, 269, 271, 273, 276 - 278, 285, 288 - 295, 310, 312 - 317, 322, 323 and 348 - 352. 2. RSA and TSA survey points 466 and 467 were removed from this survey package because the area belonged to another Survey Unit. 3. RSA and TSA survey points 540 - 590 from rooms 31 and 32 were removed from this survey package, because the area (386 square meters of floor space) could not be release to unrestricted release limits and was designated as Low-Level Waste. 4. The initial Sample Net Activity for locations 483 and 484 were 8,048.6 and 6748.6 dpm/100cm2 respectively. A square meter average investigation was conducted for each of these locations. The average of the investigation measurements is reported. No further investigation is required.

Survey Area: VIA 2	Survey Unit: 447201	Building: 447

Description: Interior Floors and <2 meters on the walls in Rooms 31, 32, 402, 403, 404, 405, 405A, 405B, 406, 406A, 406B, 407, 407A, 408, 409, 410, 411, 420, 420A, 420B and Corridor A.

Random/QC Total Surface Activity Data Sheet

Random Measurement Location	Inst / RCT Nbr	Net Alpha (dpm/100cm²)	Net Beta (dpm/100cm²)	
447201PRP-N374	87	N/A	-245.2	
447201PRP-N375	88	N/A	-217.9	
447201PRP-N376	87	N/A	-408.8	
447201PRP-N377	88	N/A	-317.9	
447201PRP-N378	87	N/A	-213.4	
447201PRP-N379	88	N/A	327.5	
447201PRP-N380	87	N/A	191.2	
447201PRP-N381	88	N/A	1,832.1	
447201PRP-N382	87	N/A	1,586.6	
447201PRP-N383	88	N/A	1,745.7	
447201PRP-N384	87	N/A	1,577.5	
447201PRP-N385	88	N/A	1,682.1	
447201PRP-N386	87	N/A	1,263.9	
447201QRP-N386	89	N/A	1,026.2	
447201PRP-N387	88	N/A	1,791.2	
447201QRP-N387	89	N/A	1,935.3	
447201PRP-N388	88	N/A	1,318.4	
447201PRP-N389	87	N/A	1,873.0	
447201PRP-N390	88	N/A	500.2	
447201PRP-N391	73	N/A	-127.0	
447201PRP-N392	73	N/A	-117.9	
447201PRP-N393	73	N/A	-208.8	
447201PRP-N394	73	N/A	1,513.9	
447201QRP-N394	89	N/A	1,203.5	
447201PRP-N395	73	N/A	1,586.6	
447201PRP-N396	73	N/A	1,363.9	
447201PRP-N397	73	N/A	1,586.6	

Survey Area: VIA 2	Survey Unit: 447201	Building: 447

Description: Interior Floors and <2 meters on the walls in Rooms 31, 32, 402, 403, 404, 405, 405A, 405B, 406, 406A, 406B, 407, 407A, 408, 409, 410, 411, 420, 420A, 420B and Corridor A

Random/QC Total Surface Activity Data Sheet

Random Measurement Location	Inst / RCT Nbr	Net Alpha (dpm/100cm²)	Net Beta (dpm/100cm²)	
447201PRP-N398	73	N/A	1,573.0	
447201PRP-N399	73	N/A	1,723.0	
447201QRP-N399	89	N/A	1,335.3	
447201PRP-N400	73	N/A	-527.0	
447201PRP-N401	73	N/A	-522.5	
447201PRP-N402	73	N/A	-431.6	
447201PRP-N403	73	N/A	-386.1	
447201PRP-N404	73	N/A	-204.3	
447201PRP-N405	73	N/A	2,527.5	
447201QRP-N405	93	N/A	2,244.4	
447201PRP-N406	73	N/A	1,573.0	
447201PRP-N407	73	N/A	1,254.8	
447201PRP-N408	73	N/A	1,650.2	
447201PRP-N409	73	N/A	1,545.7	
447201PRP-N410	73	N/A	1,568.4	
447201PRP-N411	73	N/A	-499.8	
447201PRP-N412	73	N/A	-213.4	
447201PRP-N413	73	N/A	-122.5	
447201PRP-N414	73	N/A	1,286.6	
447201PRP-N415	73	N/A	2,363.9	
447201PRP-N416	73	N/A	2,009.3	
447201PRP-N417	73	N/A	-363.4	
447201PRP-N418	73	N/A	-431.6	
447201PRP-N419	73	N/A	-308.8	
447201PRP-N420	73	N/A	95.7	
447201PRP-N421	73	N/A	1,432.1	
447201PRP-N422	73	N/A	1,204.8	

Survey Area: VIA 2	Survey Unit: 447201	Building: 447

Description: Interior Floors and <2 meters on the walls in Rooms 31, 32, 402, 403, 404, 405, 405A, 405B, 406, 406A, 406B, 407, 407A, 408, 409, 410, 411, 420, 420A, 420B and Corridor A

Random/QC Total Surface Activity Data Sheet

Random Measurement Location	Inst / RCT Nbr	Net Alpha (dpm/100cm²)	Net Beta (dpm/100cm²)	
447201PRP-N423	73	N/A	1,177.5	
447201PRP-N424	73	N/A	1,413.9	
447201PRP-N425	75	N/A	1,241.2	
447201QRP-N425	93	N/A	1,176.2	
447201PRP-N426	75	N/A	759.3	
447201PRP-N427	76	N/A	-1,304.3	
447201PRP-N428	76	N/A	-749.8	
447201PRP-N429	76	N/A	-777.0	
447201PRP-N430	75	N/A	-799.8	
447201PRP-N431	76	N/A	-531.6	
447201PRP-N432	75	N/A	-949.8	
447201PRP-N433	76	N/A	-677.0	
447201PRP-N434	76	N/A	-995.2	
447201PRP-N435	75	N/A	-540.7	
447201PRP-N436	76	N/A	-522.5	
447201PRP-N437	75	N/A	-645.2	
447201PRP-N438	76	N/A	-172.5	
447201PRP-N439	75	N/A	-227.0	
447201PRP-N440	75	N/A	773.0	
447201PRP-N441	76	N/A	786.6	
447201PRP-N442	75	N/A	682.1	
447201PRP-N443	76	N/A	595.7	
447201PRP-N444	75	N/A	1,432.1	
447201PRP-N445	76	N/A	2,823.0	
447201PRP-N446	76	N/A	618.4	
447201PRP-N447	76	N/A	482.1	
447201PRP-N448	75	N/A	713.9	

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Survey Area: VIA 2	Survey Unit: 447201	Building: 447

Description: Interior Floors and <2 meters on the walls in Rooms 31, 32, 402, 403, 404, 405, 405A, 405B, 406, 406A, 406B, 407, 407A, 408, 409, 410, 411, 420, 420A, 420B and Corridor A

Random/QC Total Surface Activity Data Sheet

Random Measurement Location	Inst / RCT Nbr	Net Alpha (dpm/100cm²)	Net Beta (dpm/100cm²)	
447201PRP-N449	75	N/A	291.2	
447201PRP-N450	76	N/A	577.5	
447201PRP-N451	75	N/A	323.0	
447201PRP-N452	92	N/A	223.0	
447201PRP-N453	92	N/A	545.7	
447201PRP-N454	92	N/A	1,695.7	
447201QRP-N454	93	N/A	1,244.4	
447201PRP-N455	92	N/A	4,063.9	
447201QRP-N455	93	N/A	3,153.5	
447201PRP-N456	92	N/A	195.7	
447201PRP-N457	92	N/A	300.2	
447201PRP-N458	92	N/A	95.7	
447201PRP-N459	73	N/A	-227.0	
447201PRP-N460	73	N/A	-172.5	
447201PRP-N461	73	N/A	-436.1	
447201PRP-N462	73	N/A	1,218.4	
447201PRP-N463	73	N/A	1,254.8	
447201PRP-N464	73	N/A	1,918.4	
447201PRP-N465	73	N/A	1,459.3	
447201PRP-N468	87	N/A	1,323.0	
447201PRP-N469	88	N/A	1,236.6	
447201PRP-N470	87	N/A	1,445.7	
447201PRP-N471	88	N/A	1,763.9	
447201PRP-N472	87	N/A	1,445.7	
447201PRP-N473	88	N/A	1,218.4	
447201PRP-N474	87	N/A	150.2	
447201PRP-N475	88	N/A	50.2	

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Survey Area: VIA 2	Survey Unit: 447201	Building: 447

Description: Interior Floors and <2 meters on the walls in Rooms 31, 32, 402, 403, 404, 405, 405A, 405B, 406, 406A, 406B, 407, 407A, 408, 409, 410, 411, 420, 420A, 420B and Corridor A

Random/QC Total Surface Activity Data Sheet

Random Measurement Location	Inst / RCT Nbr	Net Alpha (dpm/100cm²)	Net Beta (dpm/100cm²)	
447201PRP-N476	87	N/A	245.7	
447201PRP-N477	88	N/A	1,482.1	
447201QRP-N477	93	N/A	1,380.7	
447201PRP-N478	87	N/A	54.8	
447201PRP-N479	87	N/A	1,491.2	
447201PRP-N480	88	N/A	1,227.5	
447201PRP-N481	87	N/A	677.5	
447201PRP-N482	88	N/A	1,532.1	
447201PRP-N483	88	N/A	1,868.0	
447201PRP-N484	88	N/A	2,318.0	
447201PRP-N485	87	N/A	1,191.2	
447201PRP-N486	87	N/A	1,623.0	
447201PRP-N487	87	N/A	1,591.2	
447201PRP-N488	87	N/A	1,059.3	
447201PRP-N489	87	N/A	1,250.2	
447201PRP-N490	87	N/A	1,363.9	
447201PRP-N491	87	N/A	2,159.3	
447201PRP-N492	87	N/A	1,654.8	
447201PRP-N493	87	N/A	2,359.3	
447201PRP-N494	87	N/A	2,100.2	
447201QRP-N494	96	N/A	2,026.2	
447201PRP-N495	87	N/A	2,263.9	
447201PRP-N496	87	N/A	2,063.9	
447201PRP-N497	87	N/A	1,327.5	
447201PRP-N498	87	N/A	1,486.6	
447201PRP-N499	87	N/A	1,927.5	
447201PRP-N500	87	N/A	1,609.3	

Survey Area: VIA 2	Survey Unit: 447201	Building: 447

Description: Interior Floors and <2 meters on the walls in Rooms 31, 32, 402, 403, 404, 405, 405A, 405B, 406, 406A, 406B, 407, 407A, 408, 409, 410, 411, 420, 420A, 420B and Corridor A

Random/QC Total Surface Activity Data Sheet

Random Measurement Location	Inst / RCT Nbr	Net Alpha (dpm/100cm²)	Net Beta (dpm/100cm²)	
447201PRP-N501	87	N/A	1,954.8	
447201PRP-N502	87	N/A	1,718.4	
447201PRP-N503	87	N/A	1,882.1	
447201QRP-N503	96	N/A	1,117.1	
447201PRP-N505	87	N/A	1,632.1	
447201PRP-N506	87	N/A	2,295.7	
447201PRP-N507	87	N/A	868.4	
447201PRP-N508	87	N/A	1,050.2	
447201PRP-N509	87	N/A	459.3	
447201PRP-N510	87	N/A	441.2	
447201PRP-N512	87	N/A	473.0	
447201PRP-N513	87	N/A	-13.4	
447201PRP-N514	86	N/A	595.7	
447201PRP-N515	86	N/A	304.8	
447201PRP-N516	86	N/A	1,768.4	
447201PRP-N517	86	N/A	-436.1	
447201PRP-N518	86	N/A	-286.1	
447201PRP-N519	86	N/A	1,700.2	
447201PRP-N520	86	N/A	1,473.0	
447201PRP-N521	86	N/A	1,504.8	
447201PRP-N522	86	N/A	1,482.1	
447201PRP-N523	86	N/A	1,223.0	
447201PRP-N524	86	N/A	1,259.3	
447201PRP-N525	86	N/A	1,368.4	
447201PRP-N526	86	N/A	1,191.2	
447201PRP-N527	86	N/A	1,009.3	
447201PRP-N528	86	N/A	1,086.6	

Survey Area: VIA 2	Survey Unit: 447201	Building: 447

Description: Interior Floors and <2 meters on the walls in Rooms 31, 32, 402, 403, 404, 405, 405A, 405B, 406, 406A, 406B, 407, 407A, 408, 409, 410, 411, 420, 420A, 420B and Corridor A

Random/QC Total Surface Activity Data Sheet

Random Measurement Location	Inst / RCT Nbr	Net Alpha (dpm/100cm²)	Net Beta (dpm/100cm²)	
447201PRP-N529	86	N/A	1,386.6	
447201PRP-N530	86	N/A	1,118.4	
447201PRP-N531	86	N/A	941.2	
447201PRP-N532	86	N/A	1,045.7	
447201PRP-N533	86	N/A	1,982.1	
447201PRP-N534	86	N/A	1,486.6	
447201PRP-N535	86	N/A	795.7	
447201PRP-N536	86	N/A	1,227.5	
447201PRP-N537	86	N/A	1,263.9	
447201PRP-N538	86	N/A	2,273.0	
447201PRP-N539	86	N/A	1,873.0	
447201PRP-N591	87	N/A	3,150.2	
447201PRP-N592	87	N/A	1,477.5	
447201PRP-N593	88	N/A	1,763.9	
447201PRP-N594	87	N/A	1,836.6	
447201PRP-N595	87	N/A	1,436.6	
447201PRP-N596	88	N/A	936.6	
447201PRP-N597	88	N/A	1,573.0	
447201PRP-N598	88	N/A	1,600.2	
447201PRP-N599	87	N/A	4,050.2	
447201QRP-N599	96	N/A	3,585.3	
447201PRP-N600	88	N/A	2,332.1	
447201PRP-N601	87	N/A	-1,204.3	
447201PRP-N602	88	N/A	318.4	
447201PRP-N603	87	N/A	1,441.2	
447201PRP-N604	88	N/A	1,527.5	
447201PRP-N605	87	N/A	2,054.8	

Survey Area: VIA 2	Survey Unit: 447201	Building: 447

Description: Interior Floors and <2 meters on the walls in Rooms 31, 32, 402, 403, 404, 405, 405A, 405B, 406, 406A, 406B, 407, 407A, 408, 409, 410, 411, 420, 420A, 420B and Corridor A

Random/QC Total Surface Activity Data Sheet

Random Measurement Location	Inst / RCT Nbr	Net Alpha (dpm/100cm²)	Net Beta (dpm/100cm²)	
447201PRP-N606	88	N/A	923.0	
447201PRP-N607	87	N/A	1,573.0	
447201PRP-N608	88	N/A	1,413.9	
447201PRP-N609	87	N/A	1,986.6	
447201PRP-N610	88	N/A	1,782.1	
447201PRP-N611	87	N/A	1,177.5	
447201PRP-N612	87	N/A	2,263.9	

Biased Total Surface Activity Data Sheet

	Pre Media Sample Data			Post Media Sample Data		
Biased Measurement Location	Inst / RCT Nbr	Net Alpha (dpm/100cm²)	Net Beta (dpm/100cm²)	Inst / RCT Nbr	Net Alpha (dpm/100cm²)	Net Beta (dpm/100cm²)
447201PBP-N001	2	N/A	549.8	2	N/A	422.4
447201PBP-N004	2	N/A	463.4	2	N/A	217.8
447201PBP-N019	7	N/A	272.5	7	N/A	813.3
447201PBP-N021	3	N/A	218.0	3	N/A	286.0
447201PBP-N022	3	N/A	218.0	3	N/A	349.7
447201PBP-N035	11	N/A	-113.9	11	N/A	236.0
447201PBP-N036	11	N/A	72.5	11	N/A	1,263.3
447201PBP-N037	11	N/A	1,481.6	11	N/A	840.6
447201PBP-N038	11	N/A	527.1	11	N/A	204.2
447201PBP-N039	11	N/A	440.7	11	N/A	236.0
447201PBP-N060	14	N/A	340.7	14	N/A	545.1
447201PBP-N061	14	N/A	86.1	14	N/A	322.4
447201PBP-N065	14	N/A	236.1	14	N/A	713.3
447201PBP-N066	14	N/A	408.9	14	N/A	486.0
447201PBP-N067	14	N/A	136.1	14	N/A	13.3
447201PBP-N068	14	N/A	508.9	14	N/A	340.6

Survey Area: VIA 2	Survey Unit: 447201	Building: 447

Description: Interior Floors and <2 meters on the walls in Rooms 31, 32, 402, 403, 404, 405, 405A, 405B, 406, 406A, 406B, 407, 407A, 408, 409, 410, 411, 420, 420A, 420B and Corridor A

Biased Total Surface Activity Data Sheet

	Pre Media Sample Data			Post Media Sample Data		
Biased Measurement Location	Inst / RCT Nbr	Net Alpha (dpm/100cm²)	Net Beta (dpm/100cm²)	Inst / RCT Nbr	Net Alpha (dpm/100cm²)	Net Beta (dpm/100cm²)
447201PBP-N069	14	N/A	972.5	14	N/A	849.7
447201PBP-N070	14	N/A	599.8	14	N/A	626.9
447201PBP-N075	14	N/A	49.8	14	N/A	1,117.8
447201PBP-N076	14	N/A	-18.4	14	N/A	831.5
447201PBP-N077	14	N/A	936.1	14	N/A	2,008.7
447201PBP-N078	14	N/A	222.5	14	N/A	1,713.3
447201PBP-N079	14	N/A	290.7	14	N/A	1,326.9
447201PBP-N080	14	N/A	168.0	14	N/A	45.1
447201PBP-N081	14	N/A	-182.0	14	N/A	1,617.8
447201PBP-N082	14	N/A	1,327.1	14	N/A	317.8
447201PBP-N083	14	N/A	254.3	14	N/A	645.1
447201PBP-N084	14	N/A	81.6	14	N/A	899.7
447201PBP-N135	23	N/A	322.5	23	N/A	817.8
447201PBP-N136	23	N/A	477.1	23	N/A	186.0
447201PBP-N142	23	N/A	290.7	23	N/A	849.7
447201PBP-N143	23	N/A	545.2	26	N/A	1,122.4
447201PBP-N144	26	N/A	340.7	26	N/A	645.1
447201PBP-N145	26	N/A	608.9	26	N/A	336.0
447201PBP-N146	26	N/A	1,004.3	26	N/A	490.6
447201PBP-N147	26	N/A	768.0	26	N/A	613.3
447201PBP-N148	26	N/A	886.1	26	N/A	890.6
447201PBP-N149	26	N/A	904.3	26	N/A	372.4
447201PBP-N150	26	N/A	781.6	26	N/A	-204.9
447201PBP-N151	26	N/A	799.8	26	N/A	458.7
447201PBP-N152	26	N/A	768.0	26	N/A	840.6
447201PBP-N153	26	N/A	1,586.1	26	N/A	490.6
447201PBP-N154	26	N/A	972.5	26	N/A	840.6

Survey Area: VIA 2	Survey Unit: 447201	Building: 447

Description: Interior Floors and <2 meters on the walls in Rooms 31, 32, 402, 403, 404, 405, 405A, 405B, 406, 406A, 406B, 407, 407A, 408, 409, 410, 411, 420, 420A, 420B and Corridor A

Biased Total Surface Activity Data Sheet

	Pre Media Sample Data			Post Media Sample Data		
Biased Measurement Location	Inst / RCT Nbr	Net Alpha (dpm/100cm²)	Net Beta (dpm/100cm²)	Inst / RCT Nbr	Net Alpha (dpm/100cm²)	Net Beta (dpm/100cm²)
447201PBP-N155	26	N/A	836.1	26	N/A	490.6
447201PBP-N160	26	N/A	31.6	26	N/A	-104.9
447201PBP-N161	26	N/A	86.1	26	N/A	-259.4
447201PBP-N162	26	N/A	99.8	26	N/A	-104.9
447201PBP-N165	26	N/A	254.3	30	N/A	81.5
447201PBP-N206	30	N/A	345.2	30	N/A	136.0
447201PBP-N207	30	N/A	1,345.2	30	N/A	490.6
447201PBP-N208	30	N/A	1,054.3	30	N/A	-241.3
447201PBP-N209	30	N/A	986.1	30	N/A	963.3
447201PBP-N210	30	N/A	681.6	30	N/A	599.7
447201PBP-N211	30	N/A	1,158.9	30	N/A	976.9
447201PBP-N213	30	N/A	1,258.9	30	N/A	558.7
447201PBP-N214	30	N/A	768.0	30	N/A	149.7
447201PBP-N262	39	N/A	1,381.6	39	N/A	1,617.8
447201PBP-N263	39	N/A	1,413.4	39	N/A	1,026.9
447201PBP-N266	39	N/A	1,277.1	39	N/A	1,249.7
447201PBP-N300	45	N/A	886.1	45	N/A	1,667.8
447201PBP-N301	45	N/A	1,804.3	45	N/A	1,440.6
447201PBP-N302	45	N/A	1,108.9	45	N/A	1,104.2
447201PBP-N303	45	N/A	990.7	45	N/A	831.5
447201PBP-N308	45	N/A	1,327.1	45	N/A	845.1
447201PBP-N309	45	N/A	1,413.4	45	N/A	754.2
447201PBP-N311	45	N/A	468.0	45	N/A	-36.7
447201PBP-N318	48	N/A	408.9	48	N/A	595.1
447201PBP-N319	48	N/A	322.5	48	N/A	681.5
447201PBP-N320	48	N/A	-459.3	48	N/A	545.1
447201PBP-N321	48	N/A	-136.6	48	N/A	595.1

Survey Area: VIA 2	Survey Unit: 447201	Building: 447

Description: Interior Floors and <2 meters on the walls in Rooms 31, 32, 402, 403, 404, 405, 405A, 405B, 406, 406A, 406B, 407, 407A, 408, 409, 410, 411, 420, 420A, 420B and Corridor A

Biased Total Surface Activity Data Sheet

	Pre Media Sample Data			Post Media Sample Data		
Biased Measurement Location	Inst / RCT Nbr	Net Alpha (dpm/100cm²)	Net Beta (dpm/100cm²)	Inst / RCT Nbr	Net Alpha (dpm/100cm²)	Net Beta (dpm/100cm²)
447201PBP-N324	48	N/A	390.7	48	N/A	626.9
447201PBP-N325	48	N/A	408.9	48	N/A	799.7
447201PBP-N353	53	N/A	18.0	53	N/A	340.6
447201PBP-N354	53	N/A	372.5	53	N/A	-123.1
447201PBP-N355	53	N/A	458.9	53	N/A	-0.3
447201PBP-N356	53	N/A	186.1	53	N/A	99.7
447201PBP-N357	53	N/A	177.1	53	N/A	167.8
447201PBP-N358	53	N/A	499.8	53	N/A	354.2
447201PBP-N359	53	N/A	254.3	53	N/A	390.6
447201PBP-N360	56	N/A	322.5	56	N/A	-395.8
447201PBP-N361	56	N/A	-254.8	56	N/A	-259.4
447201PBP-N362	56	N/A	118.0	56	N/A	-564.0
447201PBP-N363	56	N/A	-232.0	56	N/A	-273.1
447201PBP-N364	56	N/A	86.1	56	N/A	-700.3
447201PBP-N365	56	N/A	-786.6	56	N/A	-223.1
447201PBP-N366	56	N/A	-536.6	56	N/A	-291.3
447201PBP-N367	56	N/A	-477.5	56	N/A	-341.3
447201PBP-N368	56	N/A	-409.3	56	N/A	-409.4
447201PBP-N369	56	N/A	336.1	56	N/A	-154.9
447201PBP-N370	56	N/A	-582.0	56	N/A	-632.2
447201PBP-N371	56	N/A	-868.4	56	N/A	-614.0
447201PBP-N372	56	N/A	-132.0	56	N/A	-614.0
447201PBP-N373	56	N/A	-50.2	56	N/A	-664.0

Comments: 1. Media samples were collected several months prior to PDS as part of in-process characterization to provide project management with timely information as to which painted surfaces would need to be remediated and/or removed and managed as Low-Level Waste.

a. As a result, the following media sample locations were found to be above the unconditional release limits during the Pre sample surveys and thus were not collected. Project Management was given locations and areas were either scabbled and re-surveyed during the PDS or will be managed as Low-Level Waste: 3, 6, 17, 18, 26, 28, 42, 51, 64, 71, 86, 87, 89, 90, 92, 93, 98, 100, 102, 105, 106, 107, 109, 115, 127, 128, 129, 173, 174, 176, 177, 178, 179, 180, 183, 194, 195, 196, 197, 198, 199, 200, 201, 215 - 235, 238, 239, 244, 256, 268, 270, 272, 274, 275, 279- 284, 286, 287, 296- 299, 304 - 307, 331, 332, 333, and 347.

Survey Area: VIA 2	Survey Unit: 447201	Building: 447

Description: Interior Floors and <2 meters on the walls in Rooms 31, 32, 402, 403, 404, 405, 405A, 405B, 406, 406A, 406B, 407, 407A, 408, 409, 410, 411, 420, 420A, 420B and Corridor A

b. Paint was removed from 100 % of the floor surfaces. Also, some walls were removed and managed as low level waste during in-process stripout. The following media samples on these surfaces were removed from the package prior to the start of PDS: 2, 5, 7, 8- 16, 20, 23 - 25, 27, 29 - 34, 40, 41, 43- 50, 52- 59, 62, 63, 72, 73, 74, 85, 88, 91, 94, 95, 96, 97, 99, 101, 103, 104, 108, 110- 114, 116 - 126, 130 - 135, 137 - 141, 159, 163, 164, 166 - 172, 175, 181, 182, 184 - 193, 202 - 205, 212, 236, 237, 240 - 243, 245- 255, 257 - 261, 264, 265, 267, 269, 271, 273, 276 - 278, 285, 288 - 295, 310, 312 - 317, 322, 323 and 348 - 352.
2. RSA and TSA survey points 466 and 467 were removed from this survey package because the area belonged to another Survey Unit.
3. RSA and TSA survey points 540 - 590 from rooms 31 and 32 were removed from this survey package, because the area (386 square meters of floor space) could not be release to unrestricted release limits and was designated as Low-Level Waste.
4. The initial Sample Net Activity for locations 483 and 484 were 8,048.6 and 6748.6 dpm/100cm2 respectively. A square meter average investigation was conducted for each of these locations. The average of the investigation measurements is reported. No further investigation is required.

Survey Unit 447201
Media Sample Results Table

Map Loc	BLDG	VIA	Room	Sample Location Description	Media Type	Suvey Unit Package #	Sample RIN#	Sample Result (dpm/100cm2)
1	447	2	401	Wall 1 ft. up	Paint	447201	04S0076-021.001	1922.0
4	447	2	411	Wall 3 ft. up	Paint	447201	04S0076-021.001	1922.0
19	447	2	415	Wall 3 ft. up	Paint	447201	04S0017-037.001	2929.0
21	447	2	420	Wall 1 ft. up	Paint	447201	04S0076-026.001	1683.0
22	447	2	420	Wall 1 ft. up	Paint	447201	04S0076-026.001	1683.0
35	447	2	403	Wall 6 ft. up	Paint	447201	04S0162-027.001	3695.0
36	447	2	403	Wall 1 ft. up	Paint	447201	04S0162-028.001	706.0
37	447	2	403	Wall 6 ft. up	Paint	447201	04S0162-027.001	3695.0
38	447	2	403	Wall 1 ft. up	Paint	447201	N/A	753.3
39	447	2	403	Wall 6 ft. up	Paint	447201	04S0162-028.001	706.0
60	447	2	403	Wall 3 ft. up	Paint	447201	N/A	1317.0
61	447	2	403	Wall 6 ft. up	Paint	447201	N/A	513.9
65	447	2	404	Wall 6 ft. up	Paint	447201	N/A	258.3
66	447	2	404	Wall 1 ft. up	Paint	447201	04S0161-026.001	493.0
67	447	2	404	Wall 6 ft. up	Paint	447201	04S0161-027.001	376.0
68	447	2	404	Wall 1 ft. up	Paint	447201	04S0161-026.001	493.0
69	447	2	404	Wall 6 ft. up	Paint	447201	04S0161-027.001	376.0
70	447	2	404	Wall 1 ft. up	Paint	447201	04S0161-028.001	1165.0
75	447	2	Corr. 407A	Wall 6 ft. up	Paint	447201	04S0161-029.001	749.0
76	447	2	Corr. 407A	Wall 6 ft. up	Paint	447201	04S0161-029.001	749.0
77	447	2	Corr. 407A	Wall 1 ft. up	Paint	447201	04S0161-032.001	1350.0
78	447	2	Corr. 407A	Wall 1 ft. up	Paint	447201	04S0161-028.001	1165.0
79	447	2	Corr. 407A	Wall 6 ft. up	Paint	447201	04S0161-030.001	1687.0
80	447	2	Corr. 407A	Wall 1 ft. up	Paint	447201	04S0161-030.001	1687.0
81	447	2	Corr. 407A	Wall 6 ft. up	Paint	447201	04S0161-031.001	1408.0
82	447	2	Corr. 407A	Wall 1 ft. up	Paint	447201	04S0161-031.001	1408.0
83	447	2	Corr. 407A	Wall 6 ft. up	Paint	447201	04S0161-033.001	718.0
84	447	2	Corr. 407A	Wall 1 ft. up	Paint	447201	04S0161-032.001	1350.0
135	447	2	406	Wall 6 ft. up	Paint	447201	04S0169-011.001	613.0
136	447	2	406	Wall 1 ft. up	Paint	447201	04S0169-011.001	613.0
142	447	2	406	Wall 3 ft. up	Paint	447201	04S0169-011.001	613.0
143	447	2	406	Wall 1 ft. up	Paint	447201	04S0169-011.001	613.0
144	447	2	406	Wall 1 ft. up	Paint	447201	04S0169-011.001	613.0
145	447	2	406	Wall 6 ft. up	Paint	447201	04S0168-024.001	4071.0
146	447	2	406	Wall 1 ft. up	Paint	447201	04S0168-024.001	4071.0
147	447	2	406	Wall 6 ft. up	Paint	447201	04S0168-024.001	4071.0
148	447	2	Corr. 407A	Wall 6 ft. up	Paint	447201	04S0168-024.001	4071.0
149	447	2	Corr. 407A	Wall 1 ft. up	Paint	447201	04S0168-024.001	4071.0
150	447	2	Corr. 407A	Wall 6 ft. up	Paint	447201	04S0168-024.001	4071.0
151	447	2	Corr. 407A	Wall 1 ft. up	Paint	447201	04S0168-024.001	4071.0
152	447	2	Corr. 407A	Wall 6 ft. up	Paint	447201	04S0168-024.001	4071.0
153	447	2	Corr. 407A	Wall 1 ft. up	Paint	447201	04S0168-024.001	4071.0
154	447	2	Corr. 407A	Wall 6 ft. up	Paint	447201	04S0168-024.001	4071.0
155	447	2	Corr. 407A	Wall 1 ft. up	Paint	447201	04S0168-024.001	4071.0
160	447	2	Corr. 407A	Wall 6 ft. up	Paint	447201	04S0168-024.001	4071.0
161	447	2	Corr. 407A	Wall 1 ft. up	Paint	447201	04S0168-024.001	4071.0
162	447	2	Corr. 407A	Wall 6 ft. up	Paint	447201	04S0168-024.001	4071.0
165	447	2	Corr. 407A	Wall 6 ft. up	Paint	447201	04S0168-024.001	4071.0
206	447	2	410	Wall 6 ft. up	Paint	447201	N/A	577.5
207	447	2	410	Wall 1 ft. up	Paint	447201	N/A	838.0
208	447	2	410A	Wall 6 ft. up	Paint	447201	N/A	803.8
209	447	2	410A	Wall 1 ft. up	Paint	447201	N/A	641.3
210	447	2	411	Wall 6 ft. up	Paint	447201	N/A	494.5

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Survey Unit 447201
Media Sample Results Table

Map Loc	BLDG	VIA	Room	Sample Location Description	Media Type	Suvey Unit Package #	Sample RIN#	Sample Result (dpm/100cm2)
211	447	2	411	Wall 1 ft. up	Paint	447201	N/A	968.9
213	447	2	Corr. 407A	Wall 6 ft. up	Paint	447201	N/A	831.1
214	447	2	Corr. 407A	Wall 1 ft. up	Paint	447201	N/A	1244.9
262	447	2	406A	Wall 6 ft. up	Paint	447201	04S0186-012.001	1900.0
263	447	2	406A	Wall 1 ft. up	Paint	447201	04S0186-012.001	1900.0
266	447	2	405B	Wall 6 ft. up	Paint	447201	04S0186-012.001	1900.0
300	447	2	405A	Wall 6 ft. up	Paint	447201	04S0192-015.001	3511.0
301	447	2	405A	Wall 1 ft. up	Paint	447201	04S0192-015.001	3511.0
302	447	2	405A	Wall 6 ft. up	Paint	447201	04S0192-015.001	3511.0
303	447	2	405A	Wall 1 ft. up	Paint	447201	04S0192-015.001	3511.0
308	447	2	405B	Wall 6 ft. up	Paint	447201	04S0192-015.001	3511.0
309	447	2	405B	Wall 1 ft. up	Paint	447201	04S0192-015.001	3511.0
311	447	2	405B	Wall 6 ft. up	Paint	447201	04S0192-015.001	3511.0
318	447	2	407A	Wall 1 ft. up	Paint	447201	04S0191-016.001	2316.0
319	447	2	407A	Wall 1 ft. up	Paint	447201	04S0191-016.001	2316.0
320	447	2	407A	Wall 6 ft. up	Paint	447201	04S0191-016.001	2316.0
321	447	2	407A	Wall 6 ft. up	Paint	447201	04S0191-016.001	2316.0
324	447	2	408	Wall 6 ft. up	Paint	447201	04S0191-016.001	2316.0
325	447	2	408	Wall 1 ft. up	Paint	447201	04S0191-016.001	2316.0
353	447	2	407	Wall 6 ft. up	Paint	447201	04S0225-027.001	1385.0
354	447	2	407	Wall 1 ft. up	Paint	447201	04S0225-027.001	1385.0
355	447	2	407	Wall 6 ft. up	Paint	447201	04S0225-027.001	1385.0
356	447	2	407	Wall 1 ft. up	Paint	447201	04S0225-027.001	1385.0
357	447	2	407	Wall 1 ft. up	Paint	447201	04S0225-027.001	1385.0
358	447	2	407	Wall 1 ft. up	Paint	447201	04S0225-027.001	1385.0
359	447	2	407	Wall 6 ft. up	Paint	447201	04S0225-027.001	1385.0
360	447	2	420A	Wall 6 ft. up	Paint	447201	04S0233-015.001	1664.0
361	447	2	420A	Wall 6 ft. up	Paint	447201	04S0233-015.001	1664.0
362	447	2	420A	Wall 1 ft. up	Paint	447201	04S0233-015.001	1664.0
363	447	2	420	Wall 6 ft. up	Paint	447201	04S0233-015.001	1664.0
364	447	2	420	Wall 6 ft. up	Paint	447201	04S0233-015.001	1664.0
365	447	2	420	Wall 1 ft. up	Paint	447201	04S0233-015.001	1664.0
366	447	2	420	Wall 6 ft. up	Paint	447201	04S0233-015.001	1664.0
367	447	2	420	Wall 1 ft. up	Paint	447201	04S0233-015.001	1664.0
368	447	2	420	Wall 6 ft. up	Paint	447201	04S0233-015.001	1664.0
369	447	2	420A	Wall 1 ft. up	Paint	447201	04S0233-015.001	1664.0
370	447	2	420B	Wall 6 ft. up	Paint	447201	04S0233-015.001	1664.0
371	447	2	420B	Wall 1 ft. up	Paint	447201	04S0233-015.001	1664.0
372	447	2	420B	Wall 1 ft. up	Paint	447201	04S0233-015.001	1664.0
373	447	2	420B	Wall 6 ft. up	Paint	447201	04S0233-015.001	1664.0
							MIN	258.3
							MAX	4071.0
							MEAN	1985.5
							SD	134.8
							DCGLW =	5000.0

'Note ** If N/A is listed for 'Sample RIN#' then the samples were counted on the BC-4 instead of Gamma Spectroscopy.

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