Rocky Flats Environmental Technology Site

RADIOLOGICAL CHARACTERIZATION PACKAGE

GROUP 10 (B125, B763 & T900C) CLOSURE PROJECT

REVISION 1

October 25, 2001

Prepared by: _____ 11/02/2001
Dave Barnes — Radiological Engineer

Reviewed by: _____ 10/30/01
Duane Parsons — Facility Characterization Coordinator

Reviewed by: _____ 11/5/01
~~Steve Suker~~ — Quality Assurance
PAUL MILES 11/5/01

Approved by: _____ 11/06/01
Vern Guthrie — Closure Project Facility Manager

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ADMIN RECORD

IA-A-000964

1/5

Radiological Characterization Package
Group 10 (B125, B763, & T900C) Interior & Exterior Surveys

* This characterization package was prepared in accordance with MAN-077-DDCP, D&D Characterization Protocols(07/26/00), and MAN-127-PDSP, Pre-Demolition Survey Plan for D&D Facilities (02/14/01)
* PDSP Data Quality Objectives were used to develop this characterization package

Instructions

1 Verify characterization activities are on the Plan-of-the-Day (POD)
2 Perform a Pre-Evolution Brief and/or Job Task Brief in accordance with the Site Conduct of Operations Manual
3 Verify personnel have appropriate training for the applicable tasks they will be performing
4 Comply with RWP requirements, if applicable
5 Comply with JHA and facility PPE requirements, as applicable
6 Inform the Facility Manager, or designee prior to starting characterization activities
7 Follow applicable characterization and sampling procedures

8 Notify Wackenhut Security (x2444) and the Shift Supervisor (x2914), and verify appropriate safety precautions/requirements are followed prior to accessing facility roofs

9 Coordination with the Environmental Restoration Program organization will be required to further characterize underneath facility foundations and slabs prior to removal
10 Collect and maintain all characterization paperwork in the Project File(s)
11 All radiological surveys shall be conducted in accordance with the sampling and instruction forms included in Group 10 Package Identification numbers G10001 through G10005 Measurement locations are denoted on scaled maps attached to each survey package

Class 1 Areas

Survey Area	Survey Unit	Class	Description	Total m²	Floor m²	Scan m²	TSA	Smears	Media	Class Justification
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	No Class 1 Areas identified in this characterization unit Historical Site Assessment and process knowledge indicate no need for this classification
			Class 1 Totals	0	0	0	0	0	0	

2

Radiological Characterization Package
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Class 2 Areas

Survey Area	Survey Unit	Class	Description	Total m²	Floor m²	Class m²	TRA	Gross	Media	Class Justification
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	No Class 2 Areas identified in this characterization unit Historical Site Assessment and process knowledge indicate no need for this classification
			Class 2 Totals	0	0	0	0	0	0	

3

Radiological Characterization Package
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Class 3 Areas

Survey Area	Survey Unit	Class	Description	Total m^2	Floor m^2	Scan m^2	TSA (α & β)	Smears (α & β)	Media	Class Justification
NA	G10001	3	Interior of Building 763, South Breezeway, Portal 1 to Building 750	1042	NA	52	16-random 2-QC	16-random	0	Areas are not expected to contain, or have ever contained, any residual radioactivity greater than the $DCGL_W$ Historical Site Assessment and process knowledge of this unit provide a high degree of confidence that no individual measurement will exceed the $DCGL_W$ A 5% scan will be biased towards areas of greater potential for contamination
NA	G10002	3	Exterior of Building 763, South Breezeway, Portal 1 to Building 750	951	NA	48	15-random 2-QC	15-random	0	Areas are not expected to contain, or have ever contained, any residual radioactivity greater than the $DCGL_W$ Historical Site Assessment and process knowledge of this unit provide a high degree of confidence that no individual measurement will exceed the $DCGL_W$ A 5% scan will be biased towards areas of greater potential for contamination
NA	G10003	3	Interior and Exterior of T900C	346	37	17	15-random 2-QC	15-random	0	Areas are not expected to contain, or have ever contained, any residual radioactivity greater than the $DCGL_W$ Historical Site Assessment and process knowledge of this unit provide a high degree of confidence that no individual measurement will exceed the $DCGL_W$ A 5% scan will be biased towards areas of greater potential for contamination
NA	G10004	3	Interior of Building 125	10,104	1423	505	22-random 2-QC	22-random	0	Areas are not expected to contain, or have ever contained, any residual radioactivity greater than the $DCGL_W$ Historical Site Assessment and process knowledge of this unit provide a high degree of confidence that no individual measurement will exceed the $DCGL_W$ A 5% scan will be biased towards areas of greater potential for contamination
NA	G10005	3	Exterior of Building 125	2662	1635	133	25-random 2-QC	25-random	0	Areas are not expected to contain, or have ever contained, any residual radioactivity greater than the $DCGL_W$ Historical Site Assessment and process knowledge of this unit provide a high degree of confidence that no individual measurement will exceed the $DCGL_W$ A 5% scan will be biased towards areas of greater potential for contamination
			Class 3 Totals	**15105**	**3095**	**755.25**	**103**	**93**	**0**	
All Class Areas			**All Class Totals**	**15105**	**3095**	**755.25**	**103**	**93**	**0**	

4

Radiological Characterization Package
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Non-Impacted Areas

Survey Area	Survey Unit	Class	Description	Total m^2	Floor m^2	Scan m^2	TSA	Smears	Media	Class Justification
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	No Non-Impacted Areas identified in this characterization unit Historical Site Assessment and process knowledge indicate no need for this classification
			Non-Impacted Totals	0	0	0	0	0	0	

5/5