

CORRES. CONTROL

OUTGOING LTR. NO.

DOE ORDER # 4700.1

03-RF-01252

DIST.	LTR	ENC
DIETER, T.		
FERRERA, D.W.	X	
FERRI, M.S.		
LINDSAY, D.		
LYLE, J.		
MARTINEZ, L. A.		
PARKER, A.		
POWERS, K.		
SHELTON, D.C.		
SPEARS, M.S.		
TRICE, K.D.		
TUOR, N. R.		

AGUILAR, P.		
ALBIN, C.		
AUBLE, M.		
BEAN, C.		
BUTLER, J. L.		
DECK, C.		
FRANCIS, M.		
FREIBOTH, C.	X	X
GEIS, A.		
GIBBS, F.	X	
HUMISTON, T.		
KNAPP, S.		
LINSINBIGLER, H.		
MYERS, K.		
NESTA, S.	X	X
NININGER, R.		
OLIVER, R.		
OMAN, K.		
PLAPPERT, R.		
PRIMROSE, A.		
RICHARDELLA, R.		
ROSENMAN, A.		
SNYDER, D.P.		
THOMPSON, J.		
WIEMELT, K.		

CORRES.CONTROL	X	X
ADMIN RECRD/T130G	X	X
TRAFFIC		
PATS/130		

CLASSIFICATION:

UCNI		
UNCLASSIFIED	X	X
CONFIDENTIAL		
SECRET		

AUTHORIZED CLASSIFIER

SIGNATURE: *ulm*

Date: *08/22/03*

IN REPLY TO RFP CC NO.:

ACTION ITEM STATUS:

<input type="checkbox"/> PARTIAL/OPEN	<input type="checkbox"/> CLOSED
---------------------------------------	---------------------------------

LTR APPROVALS:

ORIG. & TYPIST INITIALS:

SMN:pvt



KAISER•HILL
COMPANY

August 21, 2003

03-RF-01252

Steve Tower
D&D Program Lead
DOE, RFFO

TRANSMITTAL OF THE FINAL CLOSEOUT REPORT FOR BUILDING 453 -- DWF-057-03

Enclosed are four copies of the Final Closeout Report for the Type 2 Building 453.

The report is submitted to document completion of Deactivation and Decommissioning activities for Building 453. Transmittal to the Colorado Department of Health and Environment (CDPHE) and the Environmental Protection Agency (EPA), in accordance with the Rocky Flats Clean-Up Agreement (RFCA), is requested.

If you have any questions, please contact Steve Nesta at extension 6386.

F. E. Hill for D. W. Ferrera

Dennis W. Ferrera
Vice President and Project Manager
Remediation, Industrial D&D, and Site Services

SMN:pvt

Enclosure:
As Stated

Orig. and 1 cc - Steve Tower

cc:
Joe Legare



Final Project Closeout Report

For

Building 453

August 19, 2003

Remediation, Industrial D&D, and Site Services
Kaiser-Hill Company, LLC

Review for Classification / ucnf

Name: CJ FREIBOTH - y/m -

Date: 08/18/03

2

Table of Contents

I.	Introduction	03
II.	Action Description	03
III.	Verification That Action Goals Were Met	04
IV.	Verification of Treatment Process	05
V.	Radiological Analysis	05
VI.	Demolition Survey Results	05
VII.	Waste Stream Disposition	05
VIII.	Deviations From the Decision Document	06
IX.	Description of Site Condition at End of Decommissioning	06
X	Demarcation of Waste Left In Place	06
XI.	Dates and Duration of Project Activities	06
XII.	Final Disposition of Wastes	06
XIII.	Next Steps for Building 453	06

Appendices

- 1. RFETS Final Closeout Report Plot Plan**
- 2. Building 453 Reconnaissance Level Characterization Report**
- 3. Building 453 Follow-up Investigation Sampling for Beryllium**
- 4. Regulatory Contact Records and Demolition approval Notice**

I. Introduction

The Building 453 closure project was completed in accordance with the RFCA Standard Operating Protocol for Facility Disposition; the RSOP for Facility Component Removal, Size Reduction, and Decontamination Activities; and the RSOP for Facility disposition. This document was prepared in accordance with Facility Disposition Program Manual and summarizes the actions taken and the final condition of Building 453.

Building 453 was located on the south half of the Rocky Flats Environmental Technical Site (RFETS), just south of Cottonwood Ave between 3rd and 7th streets, on the west side of Building 444 (See RFETS Building 453 Final Closeout Report Plot Plan, Appendix 1). The structure is within the 444 Cluster. Building 453 was used by Building 444 Maintenance as an oil drum storage facility in support of Building 444.

Decontamination and Decommissioning (D&D) effort required dismantlement and removal of interior equipment, radiological and chemical decontamination of interior surfaces, removal of all supporting structures, and utilities

Based on the analysis of radiological, chemical, and physical hazards, Building 453 was classified as Rocky Flats Compliance Agreement (RFCA) Type 2 facility pursuant to the RFETS Decommissioning Program Plan (DPP; K-H 1999).

II. Action Description

D&D work included removal of all equipment, building structures, utilities (electrical and mechanical disconnects), some decontamination of the rollup doors and the west wall, and demolition and cleanup of the Building 444 Complex Perimeter Buildings. Electrical service was provided to Building 453 through an underground line from Building 444. This line was removed at grade prior to demolition of the building. The only above grade structure left in place is the concrete pad where the building was located. In summary, the project consisted of decontamination, dismantling and removal of equipment, pre-demolition surveys, facility demolition, waste segregation, and waste packaging and disposal. Hazardous waste items were removed prior to demolition and disposed of in compliance with Colorado Department of Public Health and Environment (CDPHE) and Environmental Protection Agency (EPA) regulations. All demolition debris was managed and disposed of in compliance with regulations governing debris disposal, as applicable.

There was no concrete removal associated with this facility. Environmental media beneath and surrounding the facility will be addressed at a future date using the Soil Disturbance Permit process and in compliance with the Industrial SAP and ER RSOP, as appropriate.

Building 453 Maintenance Storage was located directly west of Building 444 and contained approximately 384 square feet of floor space. Building 453 was approximately 16 feet wide X 24 feet long X 16 feet at the roof eave. Building 453 had a flat metal and built-up roof that slopes to the west for water drainage. Building 453 had two large metal roll-up doors; the one on the south 10 feet wide and 12 feet tall and the one on the north 8 feet wide and 12 feet tall. There was a personnel access door on the east side near the north wall. The Building was primarily used by Maintenance for oil storage for Building 444.

III. Verification That Action Goals Were Met

Five action objectives were established for the Building 453 Removal Project prior to beginning the demolition:

- *Decontamination of the facilities (as necessary) to support release for decommissioning per site approved procedures.*

The facility was decontaminated to free-release standards and placed in the off-site landfill.

- *Decommissioning the facilities in accordance with RFCA and applicable or relevant and appropriate requirements.*

RFCA and other relevant requirements were complied with throughout the project. Documents including RFETS RLCR, RSOP for Facility Disposition, Regulatory Contact Records, Demolition Approval Notice, and follow-up investigation sampling results were obtained and provided to CDPHE for review and concurrence, as appropriate. See Appendix 4 for Regulatory Contact Records and Demolition Approval Notice. See Appendix 3 for Follow-up Investigation Sampling for Beryllium.

- *Complete decontamination and decommissioning activities in a manner that is protective of site workers, the public and the environment.*

Decontamination and decommissioning activities were completed within regulatory requirements. Site specific requirements including work-site and task specific training, personal protective equipment, job site safety and health inspections, heavy equipment hazards, as well as other project specific demolition requirements were evaluated and oversight provided.

- *Demolish 453 facility structures and utilities.*

Demolition consisted of equipment removal, building structures, utilities, and some decontamination. Electrical power was provided to Building 453 through an underground line from Building 444.

- *Environmental Restoration for characterization as well as sampling and analysis of native soils under the former building concrete pad and reclamation of the site.*

Removal of the Building 453 concrete pad will be done during future D&D activities within the 444 Cluster. Areas occupied by Building 453 will be included in Environmental Restoration's characterization of IHSS Group 400-3 (Building 444/447 Cluster). Remediation activities, if required, will be conducted according to the Environmental Restoration RFCA Standard Operating Protocol (ER RSOP) for Soil Remediation.

IV. Verification of Treatment Process

Not applicable to this project.

V. Radiological Analysis

A Reconnaissance Level Characterization (RLC) was performed to enable facility "Typing" per the DPP and compliant disposition and waste management. Because the facility was anticipated to be Type 1 facility, the characterization was performed in accordance with the Pre-Demolition Survey Plan (MAN-127-PDSP). All facility surfaces were characterized including the interior and exterior surfaces (i.e., floor slab, wall, ceiling, and roof). Results indicated that no radiological contamination existed in excess of the PDSP unrestricted release limits of DOE Order 5400.5. A copy of Building 453 Reconnaissance Level Characterization Report can be found in Appendix 2 of this document.

VI. Demolition Survey Results

Performance monitoring for Radionuclides during Building 453 demolition was not required. All elevated readings were less than the uranium DCGL_w values. Fugitive dust emissions control was addressed prior to initiating demolition activities. Controlled water spray was planned, but not required due to minimal dust emissions during demolition of Building 453.

Follow-up investigation to the Reconnaissance Level Characterization Report (RLCR) was conducted and consisted of post-decontamination beryllium samples taken in Building 453. Elevated beryllium was identified in the RLCR inside Building 453 on the rollup door and the west wall. These areas were decontaminated and post-decontamination samples taken. Sample results showed no activity above 0.2 ug/100cm², unrestricted release criteria for beryllium. See Appendix 3 for Building 453 Follow-up Investigation Sampling for Beryllium.

VII. Waste Stream Disposition

No.	Waste Type	Material Transfer and Disposal Facility
1.	<i>Sanitary Disposal</i>	
	Disposal Site:	BFI, Tower Road Landfill, Commerce City, CO
	Waste Volume (m3)	100.9 cubic meters
	Waste Weight (tons)	76.2 tons
2.	<i>Hazardous Disposal</i>	Kettleman Hills facility, Kettleman City, CA or Bethlehem Apparatus Co, Hellertown, PA
	Waste Volume (m3):	Minor amounts
	Additional Information:	Thermostat, exit signs, batteries, fluorescent lights bulbs and any other RCRA hazardous components were removed and taken for combination with like waste streams for disposal.
3.	<i>TSCA Waste Disposal:</i>	Salesco, Phoenix, AZ; Clean Harbors Deer Park, Deer Park, TX; or FBI Tower Rd. Landfill, Commerce City, CO.
	Waste Volume (m3):	Minor amounts
	Additional Information:	PCB ballasts were removed and packaged for disposal.

VIII. Deviations From the Decision Document

No deviations occurred.

IX. Description of Site Condition at End of Decommissioning

All above ground structures have been removed. The only structure left in place is the Building 453 concrete slab. See Section III, 5th Bullet, for final disposition of the concrete slab.

X. Demarcation of Waste Left In Place

Removal and segregation of the concrete pad from other wastes will be done during future D&D activities within the 444 Cluster. See Section III, 5th Bullet, for final disposition of the concrete pad.

XI. Dates and Durations of Project Activities

Beginning in fall of 2002 and continuing through February 2003, loose property removal and decontamination was accomplished by Rocky Flats Closure Site Services (RFCSS). RFCSS is the Facility Management Subcontractor for that area reporting to Kaiser-Hill (KH). In February 2003, T-P Enterprises, Inc. commenced the actual demolition project with project management performed by RISS. Following are the dates and/or duration of the key activities for the Buildings 453 demolition project:

<u>Activity Description</u>	<u>Completed/Obtained</u>
• Release Evaluation approvals	Nov 4, 02 through Jan 23, 03
• RLCR Approval (CDPHE)	Dec 24, 02
• Decontamination	Jan 22, 03
• Demolition Approval Notice	Jan 27, 03
• Decontamination follow-up notification (CDPHE)	Feb 5, 03
• RFCA RSOP for FD Notification (to DOE)	Feb 7, 03
• Demolition	Feb 12, 03 through Feb 17, 03

XII. Final Disposition of Wastes

See Section VII.

XIII. Next Steps for Buildings 453

Environmental media beneath and surrounding the facility was not within the scope of this Project and will be addressed at a future date using the Soil Disturbance Permit process and in compliance with RFCA (See Section III, 5th Bullet, of this document). Areas occupied by Building 453 will be included in Environmental Restoration's characterization of IHSS Group 400-3 (Building 444/447 Cluster). Remediation activities, if required, will be conducted according to the Environmental Restoration RFCA Standard Operating Protocol (ER RSOP) for Soil Remediation. Removal of the Building 453 concrete pad will be done during future D&D activities within the 444 Cluster.

APPENDIX 1

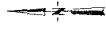
Building 453 Final Closeout Report Plot Plan

444 Cluster Final Closeout Report

EXPLANATION

- Standard Map Features**
- Buildings and other structures
 - Demolished buildings and Other Structures
 - Fences and other barriers
 - Rocky Flats Environmental Technology Site boundary
 - Paved roads
 - Dirt roads

444 Rocky Flats Environmental Technology Site
 444A Rocky Flats Environmental Technology Site
 444B Rocky Flats Environmental Technology Site
 444C Rocky Flats Environmental Technology Site
 444D Rocky Flats Environmental Technology Site
 444E Rocky Flats Environmental Technology Site
 444F Rocky Flats Environmental Technology Site
 444G Rocky Flats Environmental Technology Site
 444H Rocky Flats Environmental Technology Site
 444I Rocky Flats Environmental Technology Site
 444J Rocky Flats Environmental Technology Site
 444K Rocky Flats Environmental Technology Site
 444L Rocky Flats Environmental Technology Site
 444M Rocky Flats Environmental Technology Site
 444N Rocky Flats Environmental Technology Site
 444O Rocky Flats Environmental Technology Site
 444P Rocky Flats Environmental Technology Site
 444Q Rocky Flats Environmental Technology Site
 444R Rocky Flats Environmental Technology Site
 444S Rocky Flats Environmental Technology Site
 444T Rocky Flats Environmental Technology Site
 444U Rocky Flats Environmental Technology Site
 444V Rocky Flats Environmental Technology Site
 444W Rocky Flats Environmental Technology Site
 444X Rocky Flats Environmental Technology Site
 444Y Rocky Flats Environmental Technology Site
 444Z Rocky Flats Environmental Technology Site



Scale = 1:500
 1 inch represents 75 feet



State Plane Coordinate Projection
 Colorado Central Zone
 Datum: NAD27

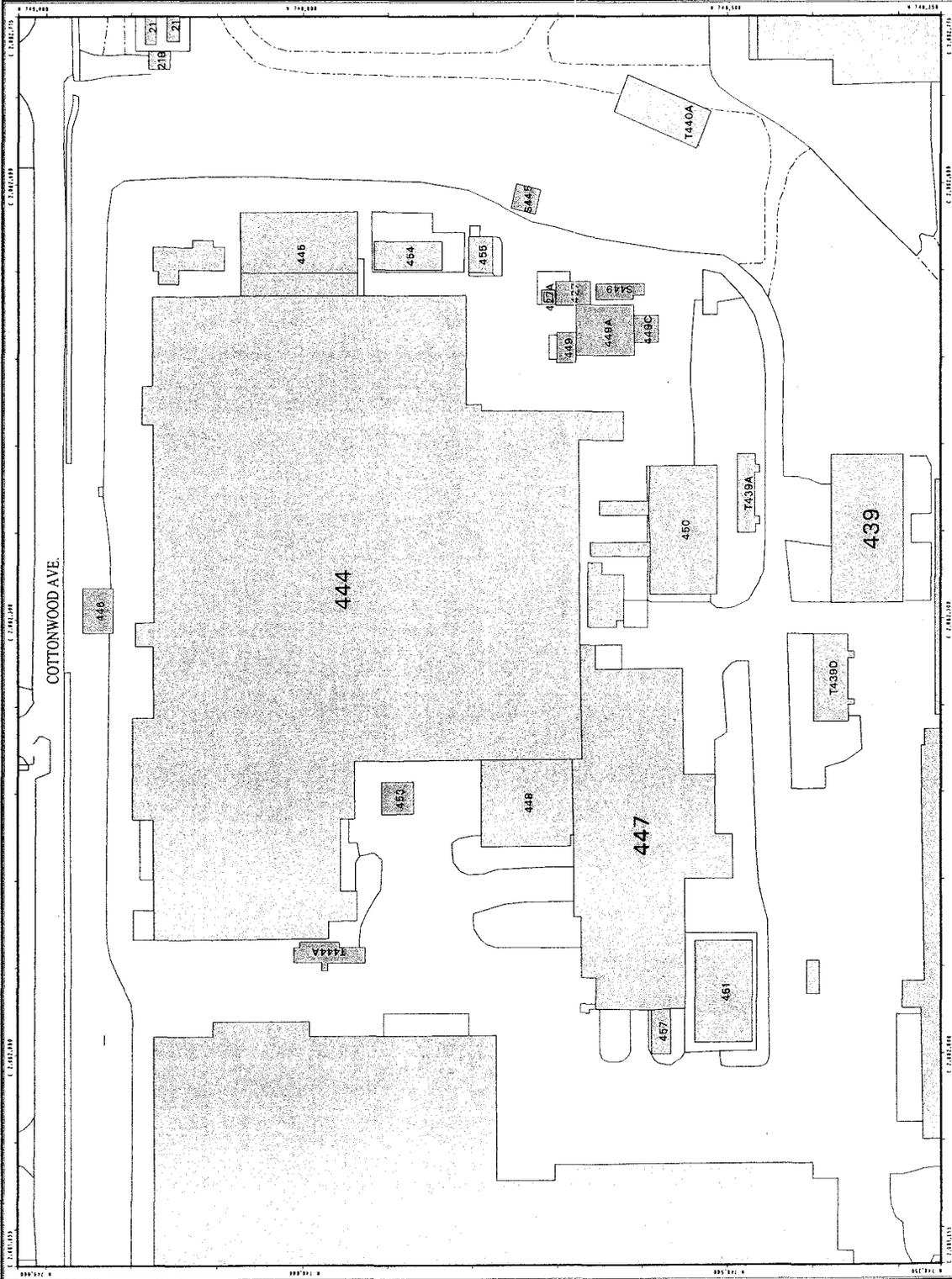
U.S. Department of Energy
 Rocky Flats Environmental Technology Site

Prepared by: CH2M HILL

GIS Ref: 33-866-7197



May 09, 2003

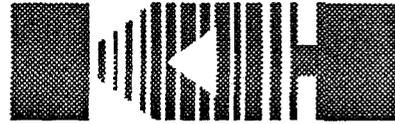


N:\SW\Projects\2003\03\0302\Close.mxd

Appendix 2

Building 453 Reconnaissance Level Characterization Report

10



Rocky Flats Environmental Technology Site

RECONNAISSANCE LEVEL CHARACTERIZATION REPORT (RLCR)

444 CLUSTER CLOSURE PROJECT

Buildings 427, 449, 449A, 449C, S449, 453, 454 & 457 Pad

REVISION 0

September 23, 2002

**CLASSIFICATION REVIEW NOT REQUIRED PER
EXEMPTION NUMBER CEX-005-02**

APPENDIX 3

Building 453 Follow-up Investigation Sampling for Beryllium

12



Department of Energy

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

FEB 05 2003

03-DOE-00102

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:

This letter documents the results of the follow-up investigation to find beryllium in samples taken in Building 449A and the post-decontamination beryllium samples taken in Building 453. This information is provided in response to the James Hindman request.

Eleven additional beryllium samples were collected on the overhead structures inside Building 449A, all samples results were less than the Pre-Demolition Survey Plan (PDSP) unrestricted release criteria ($0.2 \text{ ug}/100\text{cm}^2$) as well as less than the PDSP investigation criteria ($0.1 \text{ ug}/100\text{cm}^2$). Refer to the enclosed Building 449A sample results table and sample map for the results of the additional samples.

Elevated beryllium was identified in the Reconnaissance Level Characterization Report (RLCR) inside Building 453 on the rollup door and the west wall. These areas were decontaminated and post-decontamination samples were obtained, the sample results showed 5 of 20 locations with activity between $0.1 - 0.2 \text{ ug}/100\text{cm}^2$, but no activity above $0.2 \text{ ug}/100\text{cm}^2$. The area was again decontaminated and post-decontamination samples were obtained, the sample results showed 2 of 15 locations with activity between $0.1 - 0.2 \text{ ug}/100\text{cm}^2$, and one sample above $0.2 \text{ ug}/100\text{cm}^2$ ($0.25 \text{ ug}/100\text{cm}^2$). The area was decontaminated a third time and post-decontamination samples were obtained, all 15 sample results were less than $0.1 \text{ ug}/100\text{cm}^2$.

The decon methods used in Building 453 are described below:

First Decon

The first decon method involved the following:

- Mopping and wet wiping the floor.
- Wet wiping north rollup door lip.
- Decon personnel worked under an approved Beryllium Work Form and craft work package.
- Appropriate Personal Protective Equipment (PPE) and air monitoring was performed during the decon work.

Second Decon

The second decon method involved the following:

- Vacuuming loose debris from floor.
- Wet wiped contaminated areas with mariko and kimwipes. These areas were wiped 2-3 times.
- Wet mopped the remaining floor area within the building with a new mop.
- Wet wiped the north rollup door lip.
- Decon personnel worked under an approved Beryllium Work Form and craft work package
- Appropriate PPE and air monitoring was performed during the decon work

Third Decon

The third decon method involved the following:

- Wet wiped floor with mariko and kimwipes. The floor was wiped 3 times.
- Vacuumed and wet wiped overhead surfaces with mariko and kimwipes. These surfaces were wiped 2 times.
- Decon personnel worked under an approved Beryllium Work Form and craft work package.
- Appropriate PPE and air monitoring was performed during the decon work.

Based on the third post-decon smear results, Building 453 is now below PDSP unrestricted release criteria for beryllium, as well as all other contaminants of concern as documented in the Building 453 RLCR. Refer to the enclosed Building 453 sample results table and sample maps for the post-decontamination beryllium sample results. Since Buildings 449A and 453 meet all PDSP Data Quality Objectives and unrestricted release criteria for all contaminants of concern, these buildings are ready for demolition or sale.

Sincerely,



Richard J. DiSalvo
Acting Assistant Manager
for Environment and Stewardship

Enclosure

cc w/o Encl:

S. Tower, AMP, RFFO
C. Freiboth, K-H RISS
D. Parsons, K-H RISS
S. Nesta, K-H RISS
T. Rehder, USEPA

cc w/Encl:

Administrative Record

14

Additional B449A and B453 Beryllium Data Summary Results

Sample Number	Map Survey Point Location	Sample Location	Result ($\mu\text{g}/100\text{ cm}^2$)
Building 449A			
449A-01082003-603-001	001	B449A Main Room Attic - On rafter above entrance hatch	< 0.1
449A-01082003-603-002	002	B449A Main Room Attic - on electrical box in overhead	< 0.1
449A-01082003-603-003	003	B449A Main Room Attic - on angled rafter	< 0.1
449A-01082003-603-004	004	B449A Main Room Attic - on horizontal rafter	< 0.1
449A-01082003-603-005	005	B449A Main Room Attic - on light cover	< 0.1
449A-01082003-603-006	006	B449A Main Room Attic - on light cover	< 0.1
449A-01082003-603-007	007	B449A Main Room Attic - on angled rafter	< 0.1
449A-01082003-603-008	008	B449A Main Room Attic - on horizontal rafter	< 0.1
449A-01082003-603-009	009	B449A Main Room Attic - on light cover	< 0.1
449A-01082003-603-010	010	B449A Main Room Attic - on horizontal rafter	< 0.1
449A-01082003-603-011	011	B449A Main Room Attic - on electrical box in overhead	< 0.1
449A-01082003-603-012	012	Blank	< 0.1
449A-01082003-603-013	013	Blank	< 0.1
B453 Post-Decontamination #1			
453-11132002-213-299	299	Blank	< 0.1
453-11132002-213-300	300	Blank	< 0.1
453-11132002-213-301	301	B453 - SW floor	0.11
453-11132002-213-302	302	B453 - SW floor	0.14
453-11132002-213-303	303	B453 - NW floor	< 0.1
453-11132002-213-304	304	B453 - NW floor	0.12
453-11132002-213-305	305	B453 - NE floor	0.14
453-11132002-213-306	306	B453 - NE floor	< 0.1
453-11132002-213-307	307	B453 - SE floor	< 0.1
453-11132002-213-308	308	B453 - SE floor	< 0.1
453-11132002-213-309	309	B453 - on SE electrical box (#1 north)	< 0.1
453-11132002-213-310	310	B453 - on SE electrical box (#2 middle)	< 0.1
453-11132002-213-311	311	B453 - on lip of South garage door	< 0.1
453-11132002-213-312	312	B453 - on lip of North garage door	< 0.1
453-11132002-213-313	313	B453 - on floor East door	0.12
453-11132002-213-314	314	B453 - fire extinguisher on East wall	< 0.1
453-11132002-213-315	315	B453 - on S garage door and ribs	< 0.1
453-11132002-213-316	316	B453 - on N garage door and ribs	< 0.1
453-11132002-213-317	317	B453 - on SE electrical box	< 0.1
453-11132002-213-318	318	B453 - middle N floor	< 0.1
453-11132002-213-319	319	B453 - middle S floor	< 0.1
453-11132002-213-320	320	B453 - floor area of previous Be contamination	< 0.1
B453 Post-Decontamination #2			
453-11212002-213-291	291	B453 - S door on motor/electrical box	< 0.1

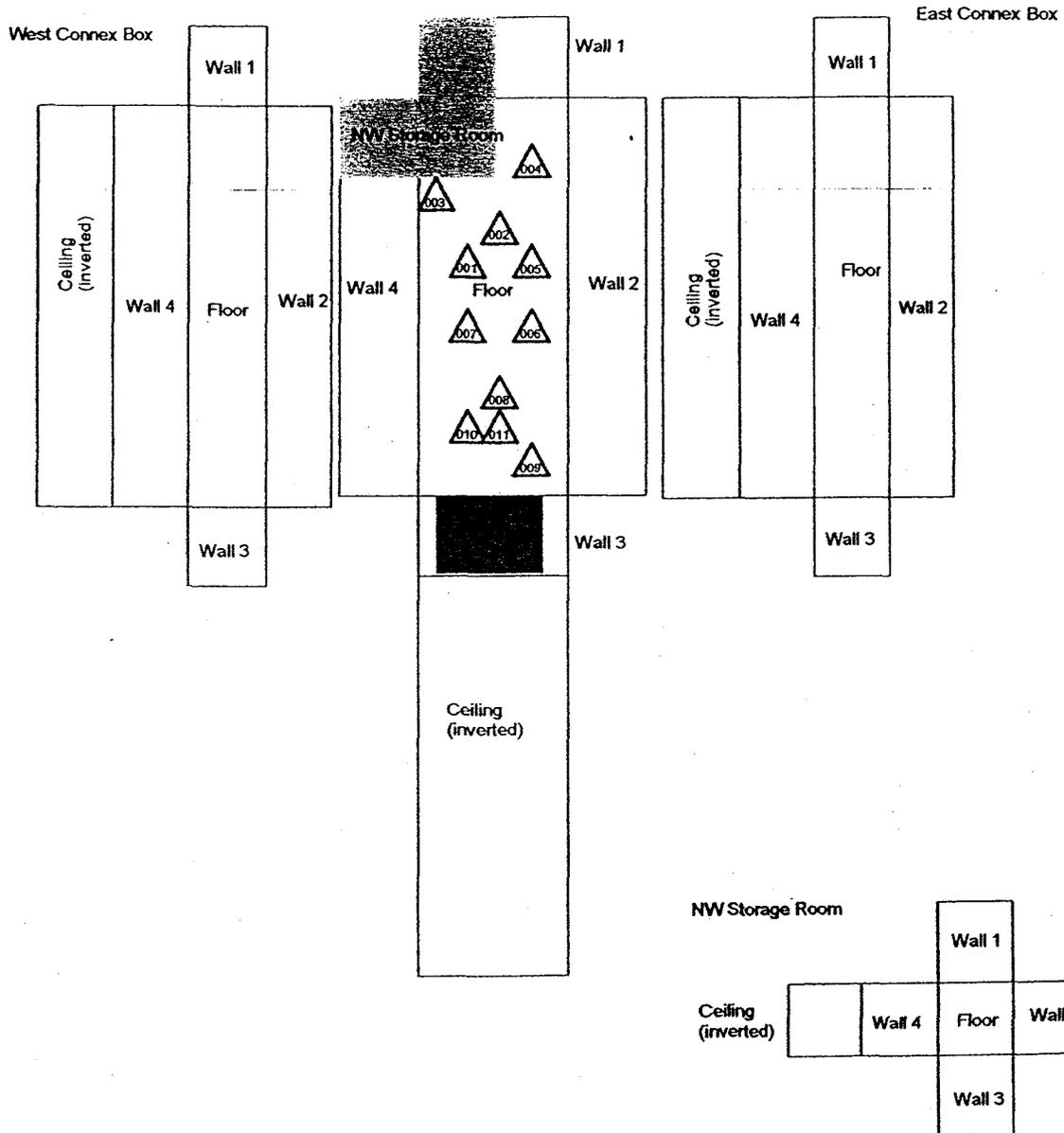
Sample Number	Map Survey Point Location	Sample Location	Result (ug/100 cm ²)
453-11212002-213-292	292	B453 - S door on motor/electrical box	<0.1
453-11212002-213-293	293	B453 - S door on top of rollup, west side	<0.1
453-11212002-213-294	294	B453 - S door on top of rollup, east side	0.14
453-11212002-213-295	295	B453 - inside of ceiling mounted heater	<0.1
453-11212002-213-296	296	B453 - N door on motor/electrical box	<0.1
453-11212002-213-297	297	B453 - N door on motor/electrical box	0.13
453-11212002-213-298	298	B453 - S door on top of rollup, east side	<0.1
453-11212002-213-299	299	B453 - S door on top of rollup, west side	<0.1
453-11212002-213-300	300	B453 - SW floor	<0.1
453-11212002-213-301	301	B453 - W floor	<0.1
453-11212002-213-302	302	B453 - NW center floor	<0.1
453-11212002-213-303	303	B453 - N door, bottom lip	<0.1
453-11212002-213-304	304	B453 - NE floor, near door way	0.25
453-11212002-213-305	305	B453 - NW floor, corner	<0.1
453-11212002-213-306	306	Blank	<0.1
453-11212002-213-307	307	Blank	<0.1
B453 Post-Decontamination #3			
453-12172002-603-101	101	B453 - NE floor, by door way	<0.1
453-12172002-603-102	102	B453 - NE floor, by door way	<0.1
453-12172002-603-103	103	B453 - NE floor, by door way	<0.1
453-12172002-603-104	104	B453 - NE floor, by door way	<0.1
453-12172002-603-105	105	B453 - NE floor, by door way	<0.1
453-12172002-603-106	106	B453 - NE floor, by door way	<0.1
453-12172002-603-107	107	B453 - N end, on overhead motor/electrical box	<0.1
453-12172002-603-108	108	B453 - N end, on overhead motor/electrical box	<0.1
453-12172002-603-109	109	B453 - N floor, underneath decon motor	<0.1
453-12172002-603-110	110	B453 - N floor, underneath decon motor	<0.1
453-12172002-603-111	111	B453 - SW rollup door, top	<0.1
453-12172002-603-112	112	B453 - SW rollup door, top	<0.1
453-12172002-603-113	113	B453 - SW rollup door, top	<0.1
453-12172002-603-114	114	B453 - SW rollup door, top	<0.1
453-12172002-603-115	115	B453 - SW rollup door, top	<0.1
453-12172002-603-116	116	B453 - SW rollup door, top	<0.1

ADDITIONAL OVERHEAD BERYLLIUM SAMPLES

Building: 449A Interior

PAGE 1 OF 2

449A Interior



Sample Numbers
449A-01082002-603-001 thru 011

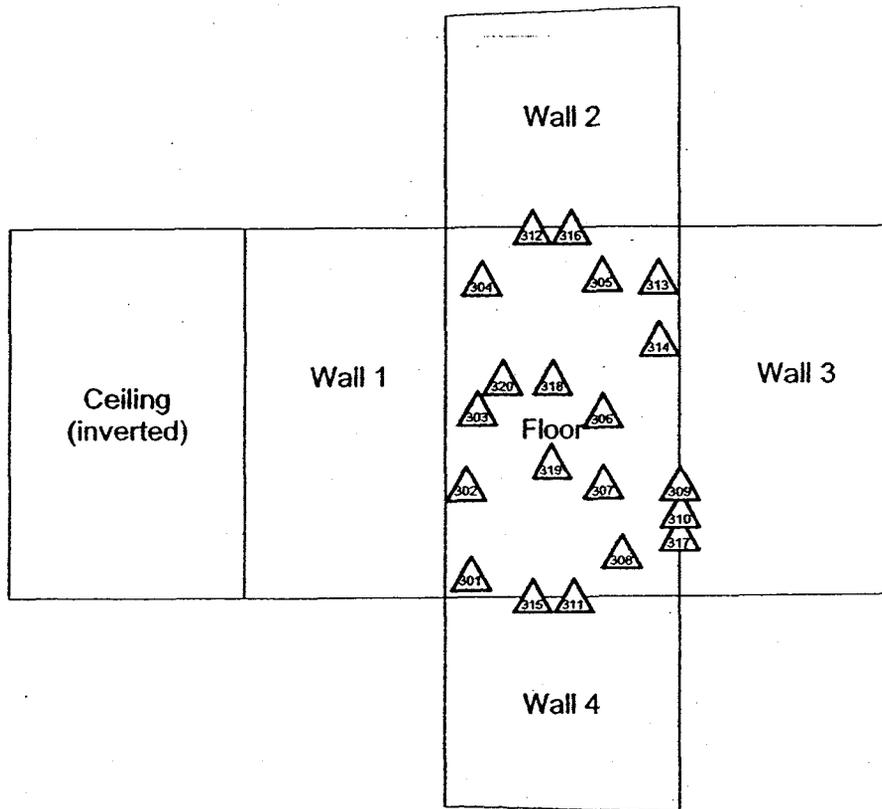
<p>SURVEY MAP LEGEND</p> <ul style="list-style-type: none"> Asbestos Sample Location Beryllium Sample Location Lead Sample Location RCRA/CERCLA Sample Location PCB Sample Location 	<p>Neither the United States Government nor Kaiser Hill Co., nor DynCorp I&ET, nor any agency thereof, nor any of their employees, makes any warranty, express or implied, or assumes any legal liability or responsibility for the accuracy, completeness, or usefulness of any information, apparatus, product, or process disclosed, or represents that its use would not infringe privately owned rights.</p>	<p>N</p>	<p>0 FEET 25</p> <p>0 METERS 8</p> <p>1 inch = 18 feet 1 grid sq. = 1 sq. m.</p>	<p>U.S. Department of Energy Rocky Flats Environmental Technology Site</p> <p>Prepared by: GIS Dept. 303-866-7707 Prepared for:</p> <p>DynCorp THE ART OF TECHNOLOGY</p> <p>MAP ID: 02-0222449A-OHBE Kaiser Hill January 15, 2003</p>
--	---	-----------------	---	--

POST DECONTAMINATION #1

Building: 453 Interior

PAGE 1 OF 1

B453 Interior



Sample Numbers

453-11132002-213-299 thru 320
(Blanks: 299 & 300)

<p>SURVEY MAP LEGEND</p> <ul style="list-style-type: none"> ⊕ Asbestos Sample Location ▲ Beryllium Sample Location ◻ Lead Sample Location ◇ RCRA/CERCLA Sample Location ⊙ PCB Sample Location 	<p>Neither the United States Government nor Kaiser Hill Co., nor DynCorp I&ET, nor any agency thereof, nor any of their employees, makes any warranty, express or implied, or assumes any legal liability or responsibility for the accuracy, completeness, or usefulness of any information, apparatus, product, or process disclosed, or represents that its use would not infringe privately owned rights.</p>	<p>N</p>	<p>0 FEET 15</p> <p>0 METERS 5</p>	<p>U.S. Department of Energy Rocky Flats Environmental Technology Site</p> <p>Prepared by: GIS Dept. 303-966-7707 Prepared for:</p> <p>DynCorp THE ART OF TECHNOLOGY</p> <p>MAP ID: 02-0222/453-PSDCN1</p>
	<p>■ Open/Inaccessible Area</p> <p>□ Area in Another Survey Unit</p>		<p>1 inch = 12 feet 1 grid sq. = 1 sq. m.</p>	<p> Kaiser Hill</p> <p>January 15, 2003</p>

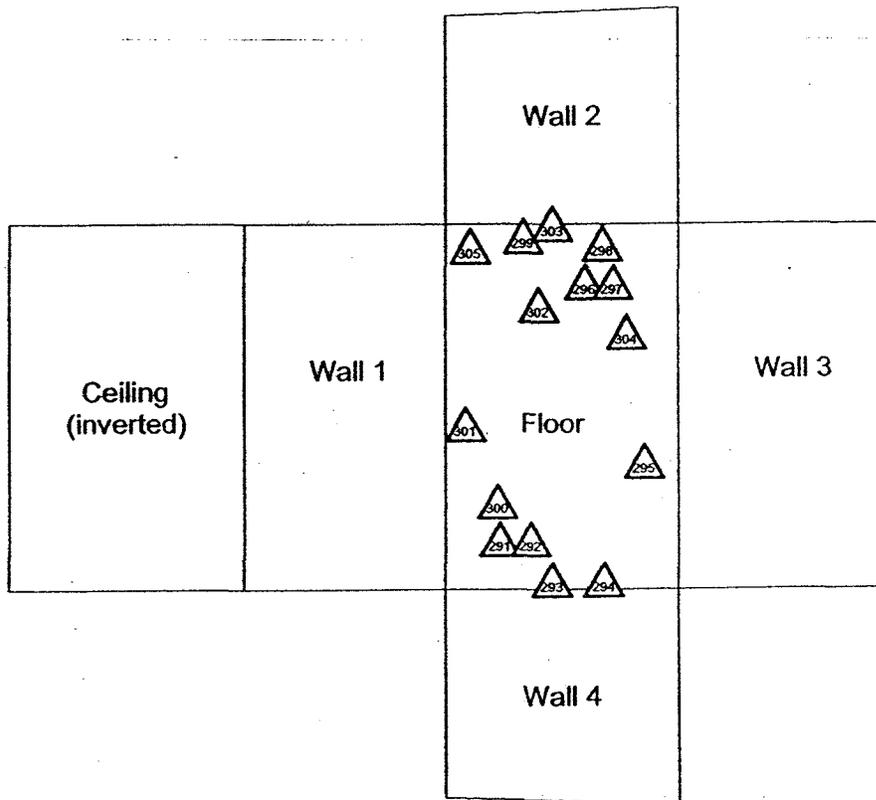
18

POST DECONTAMINATION #2

Building: 453 Interior

PAGE 1 OF 1

B453 Interior



Sample Numbers
 453-11212002-213-291 thru 307
 (Blanks: 306 & 307)

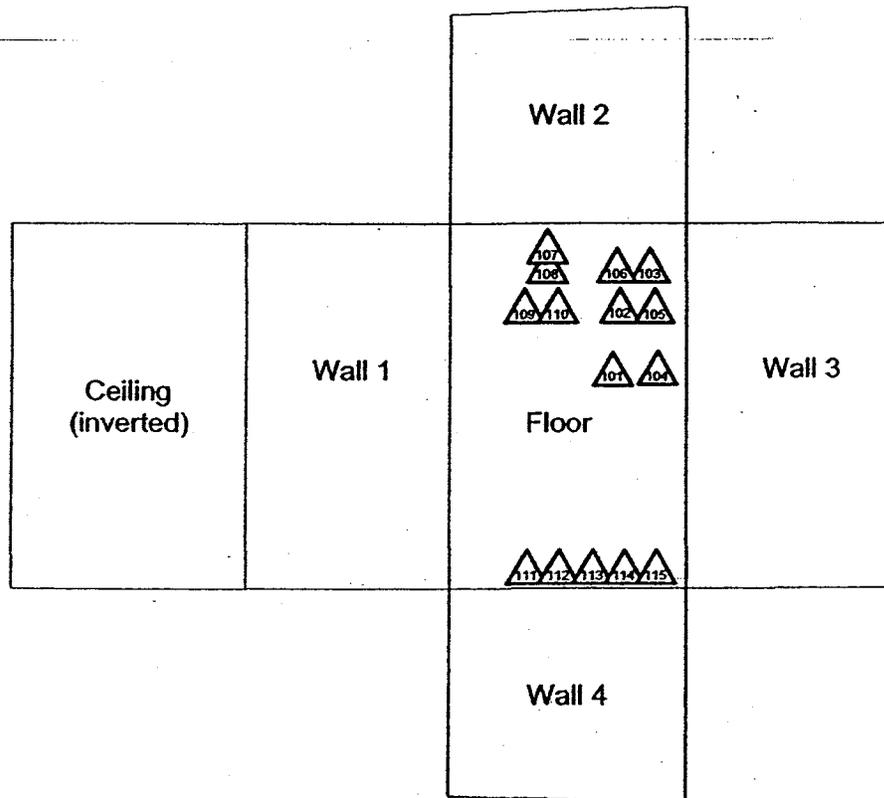
<p>SURVEY MAP LEGEND</p> <ul style="list-style-type: none"> Asbestos Sample Location Beryllium Sample Location Lead Sample Location RCRA/CERCLA Sample Location PCB Sample Location 	<p>Neither the United States Government nor Kaiser Hill Co., nor DynCorp M&ET, nor any agency thereof, nor any of their employees, makes any warranty, express or implied, or assumes any legal liability or responsibility for the accuracy, completeness, or usefulness of any information, apparatus, product, or process disclosed, or represents that its use would not infringe privately owned rights.</p>	<p>N</p>	<p>0 FEET 15</p> <p>0 METERS 5</p>	<p>U.S. Department of Energy Rocky Flats Environmental Technology Site</p> <p>Prepared by: GIS Dept. 303-806-7707 Prepared for:</p> <p>DynCorp</p> <p>THE ART OF TECHNOLOGY</p> <p>MAP ID: 02-0222/453-PSDCN2 January 15, 2003</p>
			<p>1 inch = 12 feet 1 grid sq. = 1 sq. m.</p>	<p></p>

19

POST DECONTAMINATION #3

Building: 453 Interior

B453 Interior



Sample Numbers
453-12172002-603-101 thru 115

<p>SURVEY MAP LEGEND</p> <ul style="list-style-type: none"> Asbestos Sample Location Beryllium Sample Location Lead Sample Location RCRA/CERCLA Sample Location PCB Sample Location 	<p><small>Neither the United States Government nor Kaiser Hill Co., nor DynCorp I&ET, nor any agency thereof, nor any of their employees, makes any warranty, express or implied, or assumes any legal liability or responsibility for the accuracy, completeness, or usefulness of any information, apparatus, product, or process disclosed, or represents that its use would not infringe privately owned rights.</small></p>	<p>N ↑</p>	<p>0 FEET 15 0 METERS 5</p> <p>1 inch = 12 feet 1 grid sq. = 1 sq. m.</p>	<p>U.S. Department of Energy Rocky Flats Environmental Technology Site</p> <p>Prepared by: GIS Dept. 303-966-7707 Prepared for:</p> <p>DynCorp THE ART OF TECHNOLOGY</p> <p> KAISER HILL</p> <p>MAP ID: 02-0222453-PSDCN3 January 15, 2003</p>
--	--	-----------------------	---	---

20

RECEIVED

2003 JAN -6 P 2-2
CORRESPONDENCE
CONTROL

STATE OF COLORADO



Colorado Department
of Public Health
and Environment

ised 12/02

CORRES. CONTROL
INCOMING LTR NO.

0003 RFO3

Bill Owens, Governor
Douglas H. Benevento, Acting Executive Director

Dedicated to protecting and improving the health and environment of the people of Colorado

4300 Cherry Creek Dr. S.
Denver, Colorado 80246-1530
Phone (303) 692-2000
TDD Line (303) 691-7700
Located in Glendale, Colorado

Laboratory and Radiation Services Division
8100 Lowry Blvd.
Denver, Colorado 80230-6928
(303) 692-3090

<http://www.cdphe.state.co.us>

DATE
ACTION

DIST.	LTR	ENC
OGNAR, E	X	
ROCKETT, G		
ECK, C.A.	X	
EGENHART, K		
PETER, T.J.		
PETERLE, S.E.		
PERERA, D.W.	X	
PERI, M.S.		
PERMAN, A.L.		
MACOMINI, J.J.		
SOM, J.H.		
INDSAY, D.C.	X	
ONG, J.W.		
YIE, J.L.		
MARTINEZ, L.A.	X	
JAGEL, R.E.	X	
WORTH, K.	X	
PARKER, A.M.	X	
POWERS, K.		
RODGERS, A.D.		
SHELTON, D.C.	X	
SPEARS, M.S.		
TRICE, K.D.		
TUOH, N.R.	X	
WILLIAMS, J.L.		
REIBOTH, C.	X	
BROOKS, L.	X	

December 24, 2002

Mr. Joseph A. Legare, Assistant Manager
Environment and Stewardship
U.S. Department of Energy, RFEO
10808 Highway 93, Unit A
Golden, CO 80403-8200

RE: RLCR for Buildings 427, 449, 449A, 449C, S449, 453, 454, and the 457 Pad at the Rocky Flats
Environmental Technology Site (RFETS)

Dear Mr. Legare:

The Colorado Department of Public Health and Environment, Hazardous Materials and Waste Management Division (the "Division") has completed reviewing the *RFETS Reconnaissance Level Characterization Report (RLCR) for the 444 Cluster Closure Project Buildings 427, 449, 449A, 449C, S449, 453, 454 & 457 Pad (Revision 0, dated September 23, 2002)*. On December 11, 2002, Division representatives toured these facilities accompanied by RFETS personnel. The Division has also reviewed the revised pages to the RLCR submitted via e-mail on December 17, 2002. In accordance with Section 3.3.4 of the *Decommissioning Program Plan*, the Division hereby concurs with the determination that Buildings 427, 449, 449C, S449, 454 and the 457 Pad are Type 1 facilities. Additionally, the Division concurs that Buildings 449A and 453 are Type 2 facilities. In accordance with the protocols approved per the final Rocky Flats Cleanup Agreement (RFCA), activities in these facilities involving decontamination, the removal of facility components, and demolition will need to follow the proper notification procedures, work control practices, and the RFCA consultative process. Additional characterization of the attic portion of Building 449A will be necessary before the Pre-Demolition Survey (PDS) of this facility can be considered complete. However, the connex container incorporated into the western portion of Building 449A may be removed for use as a beryllium waste container without additional characterization or decontamination, as long as the other portions of Building 449A are not disturbed. If you have any questions regarding this matter please contact James Hindman at (303) 692-3345.

Sincerely,

Steven H. Gundersen
Steven H. Gundersen
RFCA Project Coordinator

cc: S. Tower, DOE-RFFO
C. Freiboth, Kaiser-Hill
D. Shelton, Kaiser-Hill

T. Rehder, EPA Region VIII
D. Miller, AGO
Administrative Records, Building T130G

Reviewed for Addressee
Corres. Control RFP

1/6/03
Date By

ref. Ltr. #

DOE ORDER #
5400-1

21

APPENDIX 4

Regulatory Contact Records and Demolition Approval Notice

22

**ROCKY FLATS ENVIRONMENTAL TECHNOLOGY SITE
REGULATORY CONTACT RECORD**

Date/Time: 01/08/03 - 1430

Site Contact(s): C. J. Freiboth (KH) – (CJF-058)
Phone: (303) 966-2823

Regulatory Contact: James Hindman, CDPHE
Phone: (303) 692-3345

Agency: CDPHE

Purpose of Contact: State (CDPHE) notification of electrical disconnects associated with Building 453 and Room 9A Tank Rinse

Meeting Attendance

C. J. Freiboth, KH PM James Hindman, CDPHE

Discussion

On January 8, 2003, at 1430, the State (Hindman) was notified that electrical disconnects for Building 453 would be conducted. In addition, the desire to conduct the final rinse associated with the tanks in Room 9A was presented to the State (Hindman). The State (Hindman) concurred with this activity.

Contact Record Prepared By: C. J. Freiboth

Required Distribution:

P. Arnold, K-H	R. Leitner, K-H
C. Deck, K-H	J. Mead, K-H
R. DiSalvo, RFFO	S. Nesta, K-H
C. Gilbreath, K-H	K. North, K-H
S. Gunderson, CDPHE	W. Prymak, DOE
T. Hopkins, K-H	T. Rehder, USEPA
L. Kilpatrick, K-H	D. Shelton, K-H
J. Legare, RFFO	

Additional Distribution:

C. J. Freiboth, K-H
J. Hindman, CDPHE
S. Tower, DOE

**ROCKY FLATS ENVIRONMENTAL TECHNOLOGY SITE
REGULATORY CONTACT RECORD**

Date/Time: 12/11/02 – 1510

Site Contact(s): C. J. Freiboth (KH) – (CJF-042)
Phone: (303) 966-2823

Regulatory Contact: James Hindman, CDPHE David Kruczek, CDPHE
Phone: (303) 692-3345 (303) 692-3328

Agency: CDPHE

Purpose of Contact: State (CDPHE) request of Building 453 Sampling Data

Meeting Attendance

C. J. Freiboth, KH PM David Kruczek, CDPHE James Hindman, CDPHE

Discussion

On December 11, 2002, at 1425, the State (Kruczek) asked for copies of the analytical sample data for Building 453 in support of the Reconnaissance Level Characterization Report.

On December 11, 2002, at 1510, a copy of all the 02S0139 sample results for Building 453 were given to the State (Hindman).

Contact Record Prepared By: C. J. Freiboth

Required Distribution:

P. Arnold, K-H	R. Leitner, K-H
C. Deck, K-H	J. Mead, K-H
R. DiSalvo, RFFO	S. Nesta, K-H
C. Gilbreath, K-H	K. North, K-H
S. Gunderson, CDPHE	W. Prymak, DOE
T. Hopkins, K-H	T. Rehder, USEPA
L. Kilpatrick, K-H	D. Shelton, K-H
J. Legare, RFFO	

Additional Distribution:

C. J. Freiboth, K-H
J. Hindman, CDPHE
S. Tower, DOE
D. Kruczek, CDPHE

STATE OF COLORADO

Bill Owens, Governor
Jane E. Norton, Executive Director

Dedicated to protecting and improving the health and environment of the people of Colorado

4300 Cherry Creek Dr. S. Laboratory and Radiation Services Division
Denver, Colorado 80246-1530 8100 Lowry Blvd.
Phone (303) 692-2000 Denver, Colorado 80230-6928
TDD Line (303) 691-7700 (303) 692-3090
Located in Glendale, Colorado
<http://www.cdphe.state.co.us>



Colorado Department
of Public Health
and Environment

DEMOLITION APPROVAL NOTICE

This approval notice is granted subject to Colorado Air Quality Control Commission Regulation No. 8, Part B, adopted September 19, 1996 and effective November 30, 1996, and the Air Quality Control Act C.R.S. 1982 & 1995 (25-7-101 and 25-7-501 *et seq.*). This notice signifies that the structure was inspected for asbestos and CFCs and the demolition contractor has properly notified the Colorado Department of Public Health pursuant to Regulation No. 8, Part B. **THE ORIGINAL APPROVAL NOTICE MUST BE POSTED ON SITE AT ALL TIMES.**

As a contractor, you may have to obtain other demolition licenses and permits, depending on the requirements of the county and municipality in which the work is being performed. The Colorado Department of Public Health, Air Pollution Control Division strongly suggests that you check with county and municipal authorities in order to determine any other local building/permitting requirements that must be met.

This approval notice is valid from **02/03/2003** through **05/02/2003**
The actual scheduled work dates are from **02/03/2003** through **05/02/2003**

This approval notice has been issued to:

For the location specified below:

RFCSS LLC/ T. P. Enterprises
10808 Hwy 93, T334B
Golden, CO 80403

Bldg. 453
10808 Hwy 93, Unit B
Golden, CO 80403
Jefferson County

Asbestos Building Inspector: David Lee Babbs
Inspection Date: 04/08/2002

Approval Issued on: 01/27/2003
Record Number: 37234
Notice Number: 03JE1083D
Amount Paid: \$ 55
Check Number: 01197

Issued by: _____

Immediately notify the Asbestos Unit of project modifications by fax at 303-782-0278 and the appropriate county health department by fax. Project modifications include changes in the scope of work or the scheduled work dates.