

STATE OF COLORADO

Bill Owens, Governor
Douglas H. Benevento, 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

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

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



Colorado Department
of Public Health
and Environment

October 5, 2005

Mr. John Rampe
Director, Project Management Division
U.S. Department of Energy, Rocky Flats Project Office
12101 Airport Way, Unit A
Broomfield, CO 80021-2583

RE: Closeout Report for the 903 Decontamination Pad Cluster - Approval

Dear Mr. Rampe:

The Colorado Department of Public Health and Environment, Hazardous Materials and Waste Management Division has reviewed your letter, dated November 22, 2004 and the enclosed Closeout Report for Building 903 Decontamination Pad Cluster, Revision 1 dated November 2004. It is our understanding, although not specifically stated in your letter, that this document replaces your previous letter dated October 25, 2004 and the enclosed Closeout Report for Building 903B Cluster, revision 0 dated October 2004. The Building 903 decontamination Pad Cluster includes B903A, B903A2, and B903B. Buildings 903A and 903B were previously determined to be Type 2 facilities and 903A2 is a Type 1 facility. We are hereby approving this Closeout Report for the Building 903 Decontamination Pad Cluster.

If you would like to discuss this correspondence please contact me at (303) 692-3328, or Harlen Ainscough at (303) 692-3337.

Sincerely,

David A. Kruchek
Acting Rocky Flats Oversight Unit Leader

cc: Rich Schassburger, DOE
Mark Aguilar, EPA
Sam Garcia, EPA
Karen Wiemelt, KH
Administrative Records - Mountain View

Dave Shelton, KH
Steve Nesta, KH
David Abelson, RFCLOG
Carl Spreng, CDPHE

ADMIN RECORD

BZ-A-000988

1/15



CORRES. CONTROL
 OUTGOING LTR. NO.
 DOE FORM # 408.1
04-RF-01167
 DIST. LIB/EXP

PER, T.J.	
RA, D.W.	X
RY, D.C.	
LONG, J.	
LYLE, J.L.	
MARTINEZ, L.A.	
PIZZUTO, V.M.	
SHELTON, D.C.	
SPEARS, M.S.	
TUOR, N.R.	

November 16, 2004

04-RF-01167

BEAN, C.	
BUTLER, J. L.	
DECK, C.	
FRANCIS, M.	
FREIBOTH, C.	
GEIS, A.	
GIBBS, F.	X
HUBSTON, T.	
HUNTER, D.	
KNAPP, S.	
LINSIBGLER, H.	X X
MARSHALL, J.R.	
MYERS, K.	
NESTA, S.	X X
NORTH, K.	
OWAN, K.	
PLAPPERT, R.	
PRIMROSE, A.	
RYAN, M.	
SCHNEIDER, D.P.	
SMITH, J.M.	
WARD, D.A.	X X
WIEMELT, K.	
SELAN, J.	
SILLS, S.	

Gary Morgan, Functional Lead
Cadre Project Management Division
DOE, RFPO

TRANSMITTAL OF THE FINAL CLOSE-OUT REPORT FOR BUILDING 903
DECONTAMINATION PAD CLUSTER - DWF-075-04

Enclosed are four copies of the Final Closeout Report for the Type 2 Building 903
Decontamination Pad Cluster.

The report is submitted to document completion of Deactivation and Decommissioning
activities for Building 903 Decontamination Pad Cluster. This report was previously submitted
in two documents (04-RF-01048 and 04-RF-01039); however, due to concerns raised by the
Colorado Department of Health and Environment (CDPHE), the reports were consolidated
and are being resubmitted as one report. Transmittal to 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.

Dennis W. Ferrera

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

Attachment:
As Stated

KLM:pvt

Orig. and 1 cc - Gary Morgan

cc:
J. Legare

CORRES. CONTROL	X	X
ADMIN REC'D/T130G	X	X
TRAFFIC		
PAT/130		

CLASSIFICATION

UCM	
UNCLASSIFIED	X
CONFIDENTIAL	
SECRET	

AUTHORIZED CLASSIFIER

SIGNATURE: *CJ Ferrera*

DATE: *11/16/04*

IN REPLY TO RFP CC NO.:

ACTION ITEM STATUS:

PARTIAL OPEN

CLOSED

LTR APPROVALS:

ORIG. & TYPIST INITIALS:
SMN:pvt

**Final Project Closeout Report
For
Building 903 Decontamination Pad Cluster**

Revision: 1

November 2004

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

Review for Classification/*UCR*
Name: *CJ Ferraro - dhw*
Date: *11/11/04*

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I. Introduction

Building 903 Decontamination Pad Cluster was located on the south half of the Rocky Flats Environmental Technology Site (RFETS), just west of the 903 Pad (see RFETS Plot Plan, Appendix 1). The 903B Cluster consists of Building 903B, an approximately 2,800 square-foot liquid waste management building constructed in 1995; Building 903A the Main Decontamination Facility constructed in 1993 (closed under a RCRA Closure Description Document); and Building 903A2 a 100 square-foot general storage shed acquired in 1993. The closure of 903B and 903A2 was completed in accordance with the Rocky Flats Cleanup Agreement (1996), and the Rocky Flats Cleanup Agreement Standard Operating Protocol (RSOP) for Facility Disposition. This document summarizes the actions taken and the final condition of the Building 903 Decontamination Pad Cluster.

903 Decontamination Pad Cluster Description

Building 903A was a 1,400 square-foot equipment decontamination facility constructed in 1993. The facility had a concrete pad with a sump located in the center, a metal roof, and a single metal wall on the west side of the pad. The pad was sloped and curbed to contain the decontamination water and sediment.

Building 903A was the Site's main decontamination facility for ER activities and was used to decontaminate field equipment. Decontamination fluids were collected by the sump in the center of the pad and transferred to 903B where the solids would be removed.

Building 903B was the Environmental Liquids Management Area for the Decontamination Pad. Wastewater was pumped from the Decontamination Pad to a series of funnel shaped separators where the solids were settled out of the wastewater and collected in 55-gallon drums. These drums were then sampled and appropriately disposed of. The final wastewater was trucked to the Building 891 water treatment facility for final treatment. Historically, only trace amounts of radioactive material and RCRA contaminants were found in the wastewater and sediment generated by the Decontamination Pad.

Building 903B was an approximately 2,800 square-foot liquid waste management building constructed in 1995. This facility had a concrete bermed floor and a collection sump in the middle of the building. This building was a steel frame building constructed on a concrete foundation. The walls and roof are insulated corrugated metal. The building is configured with a large highbay area that houses the water treatment equipment.

Building 903A2 was a 100 square-foot general storage shed acquired in 1993. This structure was a wood building with wood walls, wood floor and an asphalt shingle roof. This building sat on a concrete pad and was located west of the 903A Main Decontamination Facility (MDF).

Buildings in the 903 Decontamination Pad Cluster had the following utilities: electric, domestic water provided by a fire hydrant located due west of the MDF and due south of Building 906 (this hydrant is not part of the Building 903 footprint, but is for Building 906 fire protection), and wall-mounted fire extinguishers for fire protection.

II. Action Description

An RLCR was not performed for this facility. Instead a RFCA Contact Record was written (*Building 903AB and 903B Reconnaissance Level Characterization*, dated 6/30/04), that discusses the process history of the facility. Based on the process history, the facility was classified as a Type 2 RFCA facility and recorded as such in the Contact Record. The PDS was conducted pursuant to the Decontamination and Decommissioning Characterization Protocol (MAN-077-DDCP) and the Pre-Demolition Survey Plan for D&D Facilities (MAN-127-PDSP). The PDS was built upon physical, chemical and radiological hazards identified in the facility-specific Historical Site Assessment Report for Buildings 903A, 903B, and 903A2, dated December 2002, Revision 0.

The basic deactivation strategy was to remove all excess material/equipment left in the facility.

RCRA regulated items (including light bulbs, circuit boards, and oils, if any) were removed and dispositioned in accordance with state, federal, and site requirements. RCRA Closure was conducted for the Interim Status Unit 18.01/MDF (see Appendix 5 for description of RCRA closure activities). Building 903 Decontamination Pad Cluster did not contain any asbestos material.

The 903A, 903B, and 903A2 building structures and foundations were removed entirely and dispositioned off-site at the appropriate disposal site (see Section VII). In addition, two other support structures (903A1 and 903A3) were released under a Waste Release Evaluation (040812-T130I-001) and demolished with the 903 Decontamination Pad Facility.

III. Verification Action Goals Were Met

Four action objectives were established for Building 903 Decontamination Pad Cluster removal project prior to beginning demolition:

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

The facilities met free-release standards and the demolition waste was placed in an off-site landfill.

- *Decommissioning of the Building 903 Decontamination Pad Cluster facilities in accordance with RFCA and applicable or relevant and appropriate requirements.*

RFCA and other relevant requirements were complied with throughout the project. Consultations with the LRA were conducted throughout the project.

- *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. No injuries or releases to the environment occurred during the project.

- *Demolish the 903 Decontamination Pad Cluster facility structures and utilities to 3' below grade.*

All of the 903 Decontamination Pad Cluster facility structures and concrete foundations were removed during demolition. All foundations and utilities specific to the cluster were removed.

IV. Verification of Treatment Process

This section is not applicable to this project.

V. Radiological Analysis

See the Pre-Demolition Survey Report (PDSR) for Building 903 Decontamination Pad Cluster.

VI. Demolition Survey Results

This section is not applicable to this project.

VII. Waste Stream Disposition

Building 903 Decontamination Pad Closure Project generated the following waste types including sanitary. Listed below is the quantity and disposal site for this waste type and material:

<u>Sanitary Disposal</u>	Facility debris (9/8/04 through 9/21/04)
Disposal Site:	BFI 93 Landfill, Golden CO
Waste Volume:	1120 cubic yards
Waste Weight (tons):	543.9 tons
Additional Information:	25 shipments – concrete, metal and wood
<u>Hazardous Disposal</u>	Minor amounts of fluorescent lights, mercury vapor lights, circuit boards, and mercury switches were transferred to an on-site RFCA storage unit, and two 55-gallon drums of curtains.
Disposal Site:	Disposal at the appropriate disposal facility.
Waste Volume:	4.40 m ³ or approximately 763 pounds
Additional Information:	
<u>TSCA Waste Disposal</u>	NA
Disposal Site:	
Waste Volume (m ³):	
Additional Information:	
<u>Asbestos Waste Disposal</u>	NA
Disposal Site:	
Waste Volume (m ³):	
Additional Information:	
<u>Low-Level Waste Disposal</u>	NA
Disposal Site:	
Waste Volume:	
Additional Information:	
<u>Low-Level Mixed Waste Disposal</u>	NA
Disposal Site:	
Waste Volume:	
Additional Information:	

Recycled Material	NA
Recycle Facility:	
Waste Volume:	
Additional Information:	

VIII. Deviations From the Decision Document

There were no deviations to the decision documents.

IX. Descriptions of Site Condition at End of Decommissioning

The 903 Decontamination Pad Cluster was demolished, removing all building structures and foundations. Utilities were removed to 3' below final grade. The utilities were disconnected as follows:

- Electrical underground services and 13.8 kV overhead lines were completely removed. The underground conduit that is 3' below final grade was left in place.

Locations of all disconnects are annotated on map in Appendix 1.

The site has been leveled and covered with coconut mat until reseeded in the future.

X. Demarcation of Excavation

This section is not applicable.

XI. Demarcation of Wastes Left in Place

No waste materials were left in place.

XII. Dates and Duration of Specific Activities

<u>Activity</u>	<u>Responsible Contractor</u>	<u>Dates</u>
PDS	Kaiser-Hill	August 2004
Demolition Activities	Kaiser-Hill	September 2004

XIII. Final Disposition of Wastes

See Section VII.

XIV. Next Steps for the Area

The site was turned over to ER for final grading and re-vegetation.

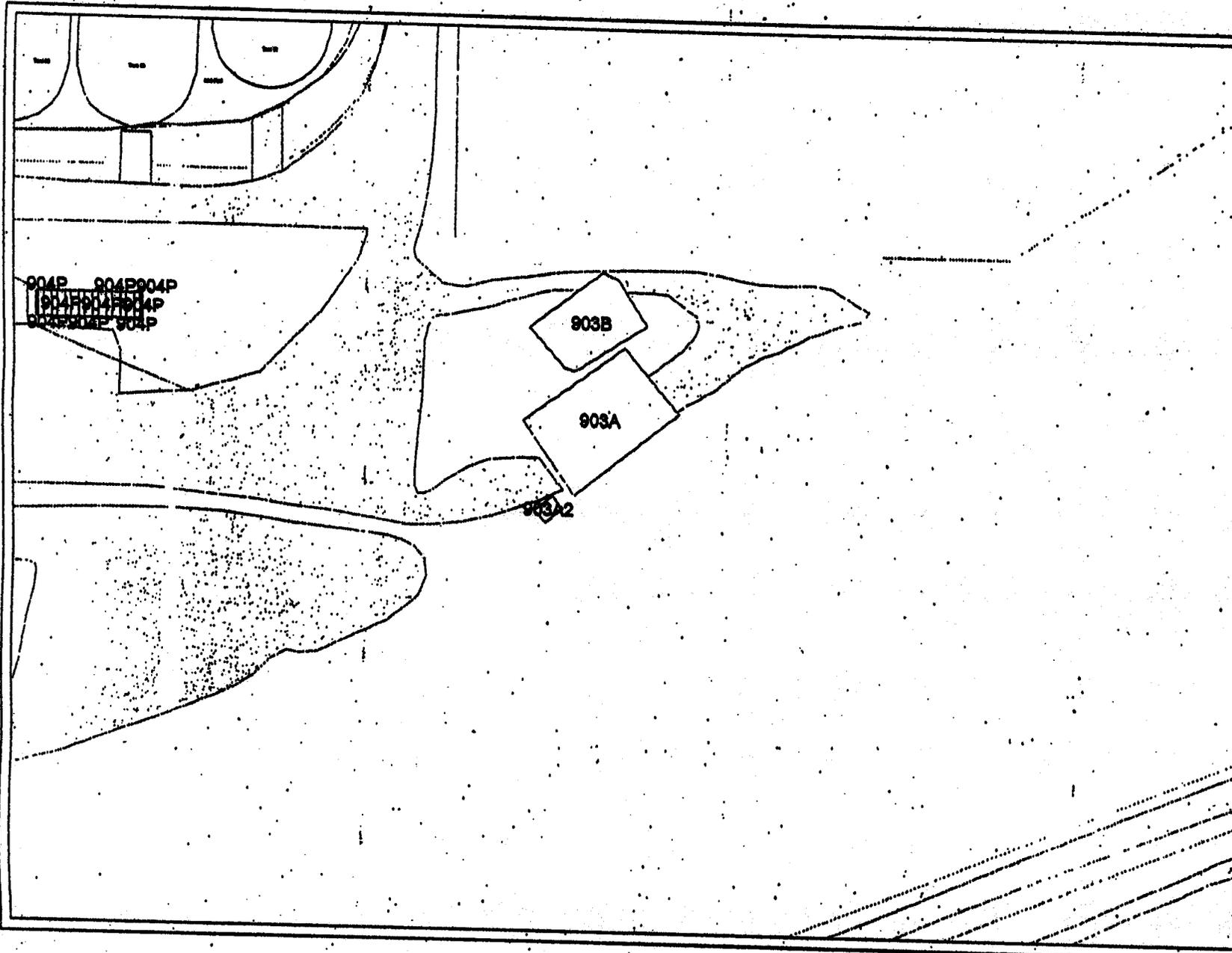
Appendix 1

Maps

903A and 903B Location Map

Map Features

-  Buildings Remaining
-  D&D Facility
-  Paved Roads
-  Dirt Roads
-  Lakes
-  Fence Removed
-  Fence Remaining
-  Stream
-  Railroad Removed
-  Railroad Remaining



904P 904B904P
904F904F904P
904P904P 904P

903B

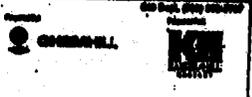
903A

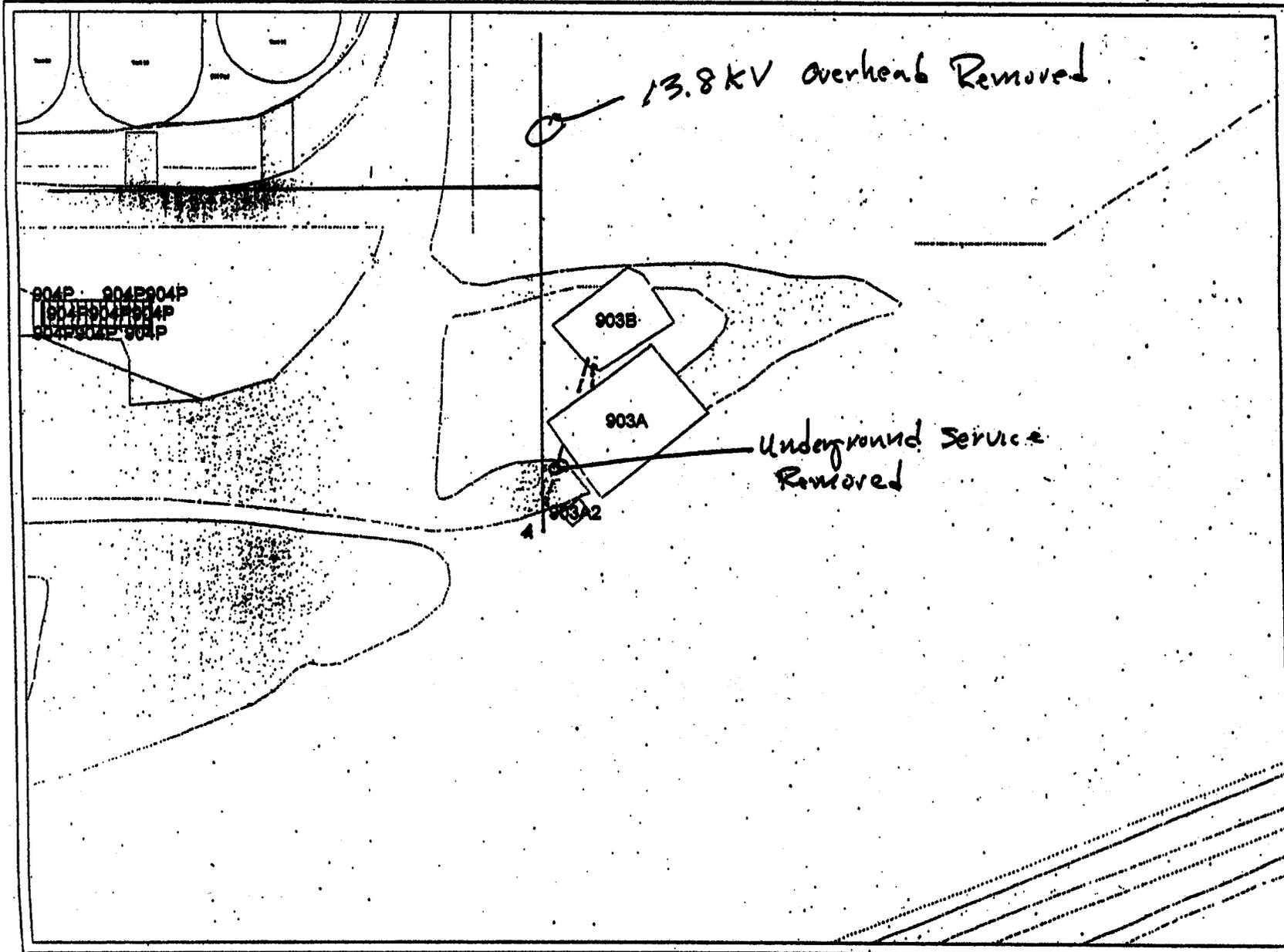
9032



Scale
1 inch equals 20 feet

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





Rocky Flats Environmental Technology Site

**903A and 903B
Location Map**

Map Features

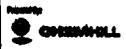
- Buildings Remaining
- D&D Facility
- Paved Roads
- Dirt Roads
- Lakes
- Fence-Removed
- Fence Remaining
- Streams
- Railroad Removed
- Railroad Remaining



Scale
1 inch equals 25 feet

Rocky Flats Environmental Technology Site
Inventory Control Area (ICA)
Boundary

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



Appendix 2
Contacts Records

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

Date/Time: 9/16/04 - 1330
Site Contact(s): Duane Parsons (RISS) - (DAP-026)
Phone: (303) 966-6458
Regulatory Contact: David Kruchek, CDPHE
Phone: (303) 692-3328
Agency: CDPHE

Purpose of Contact: Building 903B PDSR Approval

Meeting Attendance

D. Parsons, RISS D. Kruchek, CDPHE

Discussion

Based on a review of the Building 903B Pro-Demolition Survey Report (PDSR) by CDPHE, this PDSR is approved and the 903B building demolition can proceed.

K-H received comments on the PDSR from CDPHE and these comments have been resolved to the satisfaction of CDPHE via written responses and PDSR page changes. The official CDPHE PDSR concurrence letter will be provided to DOE and K-H in the near future.

Contact Record Prepared By: D. Parsons

Required Distribution:

J. Logare, DOE
C. Deck, K-H
D. Shelton, K-H
C. Gilbreath, K-H
S. Gunderson, CDPHE
L. Kilpatrick, K-H
R. Leitner, K-H
J. Mead, K-H
S. Nesta, K-H
K. North, K-H
T. Rehder, USEPA

Additional Distribution:

H. Linsinbigler, K-H
F. Gibbs, K-H
D. Kruchek, CDPHE
G. Morgan, DOE

ROCKY FLATS ENVIRONMENTAL TECHNOLOGY SITE REGULATORY CONTACT RECORD

Date/Time: September 16, 2004 / 0700

Site Contact(s): Steve Nesta
Phone: 303-966-6386

Regulatory Contact: David Kruchek and Harlan Ainscough
Phone: 303-692-3328 and 303-692-3337

Agency: CDPHE

Purpose of Contact: Approval for Closure of the Tanks in the 903B Facility

Discussion

The CDPHE agrees that the tanks residing in 903B will be closed as ancillary equipment pursuant to the closure of the 903A decontamination pad. The CDD for RCRA Unit 18.01, approved on April 28, 2004, documents procedures for closure of the 903A decontamination pad, and by this contact record the closure of the tanks in 903B. Recent analysis of the rinseate from the 903A pad did not indicate the presence of any metals above the regulatory levels, and volatile organic compounds were non-detect thus allowing for delisting of any EPA waste codes. Additionally, sampling results from the partial closure activities in 1996 for the tanks, pallets, and liners did not detect any metals above regulatory levels, nor any detections for volatile organics. Further, sampling of the 903B tank sediment in 2003 showed no RCRA constituents associated with the tanks. Tank sediment was managed as straight low level waste. Hence, the tanks in 903B have met clean closure under RCRA. Radiological sampling of the tanks in 903B during the pre-demolition survey concluded that the tanks met free release.

Contact Record Prepared By: Steve Nesta

Required Distribution:

M. Aguilar, USEPA
S. Bell, DOE-RFPO
B. Birk, DOE-RFPO
C. Deck, K-H Legal
D. Foss, K-H 701/716/771
S. Garcia, USEPA
C. Gilbreath, K-H 771/774
S. Gunderson, CDPHE
J. Legare, DOE-RFPO

R. Leitner, K-H 371/374
J. Mead, K-H ESS
G. Morgan, DOE-RFPO
S. Nesta, K-H RESS
K. North, K-H ESS/MS
R. Schassburger, DOE-RFPO
D. Shelton, K-H ESS
C. Zahim, K-H Legal

Additional Distribution:

K. Wiemelt, KH/RISS
H. Ainscough, CDPHE

Contact Record 4/10/00

Rev. 5/24/04

ROCKY FLATS ENVIRONMENTAL TECHNOLOGY SITE REGULATORY CONTACT RECORD

Date/Time: 6/30/04 - 0700

Site Contact(s): Duane Parsons (RISS) - (DAP-024)
Phone: (303) 966-6458

Regulatory Contact: David Kruchek, CDPHE
Phone: (303) 692-3328

Agency: CDPHE

Purpose of Contact: Building 903A and 903B Reconnaissance Level Characterization

Meeting Attendance

D. Parsons, RISS

D. Kruchek, CDPHE

Discussion

Buildings 903A and 903B area "anticipated Type 2 RFCA facilities" per the RISS RFCA Facility List. These facilities were used for the decontamination of environmental restoration equipment, such as drilling rigs, field vehicles and sampling equipment. 903A was the high-pressure wash facility, and 903B was the wastewater management facility for 903A.

Contaminates of concern in these facilities are radiological and RCRA/CERCLA contaminants. Based on the age of the facilities (constructed in 1993 and 1995) asbestos should not be present. The facilities do not have a history of beryllium contamination and are not on the List of Known Beryllium Areas. During 903A and 903B operations, only trace amounts of radioactive and RCRA contaminants were identified in the wastewater and sediment.

Based on building use process knowledge and the potential for radiological contamination and/or RCRA/CERCLA constituents, these facilities are assumed to be RFCA Type 2 facilities. Areas having a potential for contamination and needing decontamination have been identified (i.e., process equipment, tanks, piping, and sump pits), and stripout and/or decontamination work is ready to proceed. The RCRA Unit

18.01 associated with 903A and 903B will be closed in accordance with the approved CDD.

Since the areas having a potential for contamination and needing decontamination have already been identified, the Building 903A and 903B Type 2 RLC Report will not be completed. CDPHE concurs that Buildings 903A and 903B are Type 2 RFCA Facilities, and decontamination activities can proceed upon submission and approval of appropriate RSOP notifications. A formal RLC report will not be submitted. A pre-demolition survey and report will be performed and submitted for approval prior to demolition.

There are two small wooden sheds next to the 903A building, which will be released for unrestricted use utilizing the WRE process. These sheds were used to house and store clean support equipment for 903A operations.

Contact Record Prepared By: D. Parsons

Required Distribution:

J. Legare, DOE
C. Deck, K-H
D. Shelton, K-H
C. Gilbreath, K-H
S. Gundersen, CDPHE
L. Kilpatrick, K-H

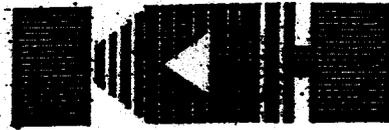
R. Leitner, K-H
J. Mead, K-H
S. Nesta, K-H
K. North, K-H
T. Rehder, USEPA

Additional Distribution:

H. Linsinbigler, K-H
F. Gibbs, K-H
D. Kruckek, CDPHE
G. Morgan, DOE

Appendix 3

PDSR provided under separate cover.



**Rocky Flats Environmental Technology
Site**

PRE-DEMOLITION SURVEY REPORT (PDSR)

BUILDING 903B CLOSURE PROJECT

REVISION 0

September 2, 2004

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

STATE OF COLORADO

Bill Owens, Governor
Douglas H. Benvenuto, 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
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Located in Glendale, Colorado

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8100 Lowry Blvd.
Denver, Colorado 80230-6928
(303) 692-3080

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



Colorado Department
of Public Health
and Environment

September 17, 2004

Mr. Joe Legare
Director, Project Management Division
U.S. Department of Energy, Rocky Flats Project Office
10808 Highway 93, Unit A
Golden, CO 80403-8200

RE: Pre-Demolition Survey Report (PDSR) for Building 903B - Approval

Dear Mr. Legare:

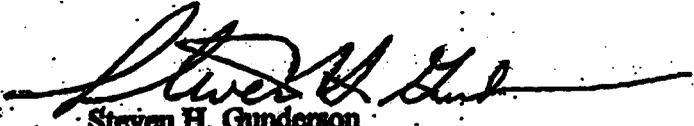
The Colorado Department of Public Health and Environment, Hazardous Materials and Waste Management Division has reviewed the PDSR for Building 903B, Revision 0 dated September 2, 2004. This PDSR was received on September 10, 2004. Based on the information contained in this PDSR, and modifications to this PDSR provided by Duane Parsons with KH on 9/16/04, we are hereby approving the PDSR as modified for Building 903B.

As stated in this PDSR, although an RLCR was not completed or provided for our concurrence, we previously provided concurrence with the Type 2 determination for B903B as contained in a Contact Record dated 6/30/04.

We also agreed that demolition of B903B may proceed as discussed in a Contact Record dated 9/16/04.

If you have any questions regarding this correspondence please contact me at (303) 692-3367, or David Krueck at (303) 692-3328.

Sincerely,


Steven H. Gunderson
RFCA Project Coordinator

cc: Gary Morgan, DOB
Dave Shelton, KH
Steve Nesta, KH
Cameron Freilboth, KH

Karen Wiemelt, KH
Mark Aguilar, EPA
Sam Garcia, EPA
Administrative Records Building T130G

**Appendix 4
RSOP Concurrence**

STATE OF COLORADO

Bill Owens, Governor
Douglas H. Benavente, Executive Director

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

4900 Cherry Creek Dr. S.
Denver, Colorado 80246-1530
Phone (303) 692-3000
TDD Line (303) 691-7700
Located in Glendale, Colorado
<http://www.cdpha.state.co.us>

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



Colorado Department
of Public Health
and Environment

September 17, 2004

Mr. Joseph Legare
Director, Project Management Division
U.S. Department of Energy, Rocky Flats Project Office
10808 Highway 93, Unit A
Golden, CO 80403-8200

RE: B903B Facility Disposition RSOP Notification

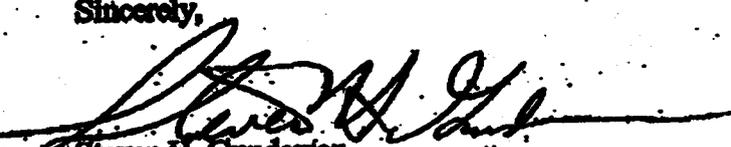
Dear Mr. Legare:

The Colorado Department of Public Health and Environment, Hazardous Materials and Waste Management Division has reviewed your September 9, 2004 letter notifying us that the Facility Disposition RSOP will be utilized during the demolition of Building 903B. We hereby agree that 903B may be demolished utilizing the Facility Disposition RSOP.

As indicated in this notification, the building debris, including the slab and tanks, will be appropriately characterized and sent off-site for proper disposal.

If you have any questions regarding this correspondence please contact me at (303) 692-3367 or David Krueck at (303) 692-3328.

Sincerely,


Steven H. Gunderson
RECA Project Coordinator

cc: Gary Morgan, DOB
Mark Aguilar, EPA
Sam Garcia, EPA
Administrative Records Building T130G

Karen Wiemelt, KH
Dave Shelton, KH
Steve Nosta, KH
Cameron Freiboth, KH

Post #	Fax No	7071	Date	9/17	Page	2
To	Cameron Freiboth		From	D. Krueck		
On/Dept	KH		On	CDPHE		
Phone #	916 2329		Phone #			
Fax #	916 9165		Fax #			

Appendix 5

**RCRA Unit 18.01 Closure Summary Report
B903A Main Decontamination Facility**

PURPOSE

This Summary Report pertains to RCRA closure activities for the RCRA Interim Status Unit 18.01 – Remedial Action Decontamination Pad, and is a requirement of Section 1.1 of the Closure Description Document (CDD) for this RCRA Unit (04-RF-00113). This report contains a description of major closure activities and any deviations from those stated in the CDD and other relevant information.

DESCRIPTION OF MAJOR CLOSURE ACTIVITIES

Closure activities were conducted under IWCP Work Packages T0111830-17 and T0112587. All of the secondary containment and curtains were sprayed with a water/detergent mix. The water was vacuumed and collected. After this a rinse of the curtains and secondary containment was conducted. Based on the rinsate results for chromium, the slab did not meet clean closure, but was below characteristic hazardous levels for chromium. Therefore, the slab was disposed as non-routine sanitary waste. All of the curtains were disassembled, size reduced, and efficiently packaged into 2 drums for disposal as hazardous waste at Kettleman Hills Landfill, CA. The 903A concrete pad and all of the tanks from Building 903B (see contact record dated 9/16/04) were removed and managed as sanitary waste. There were no unanticipated circumstances or events to cause a deviation from the descriptions in the CDD.

The liquid generated was collected in drums and based on analytical results will be disposed of at either B891 or through the Aqueous Waste Treatment System.

The under side of the concrete was surveyed and no radiological contamination was found. Therefore, no additional soil sampling below the pad of RCRA unit 18.01 is required.

SUMMARY

The requirements stated in the CDD have been fulfilled.

Revised 12/03

CORRES. CONTROL
INCOMING LTR NO.

00193 RFO4

DUE DATE
ACTION

DIST.	LTR	ENC
BERARDINI, J.H.	X	
BOGNAR, E.S.	X	
BROOKS, L.	X	
BUTLER, L.	X	
CARPENTER, M.	X	
CROCKETT, G. A.		
DECK, C. A.	X	
DEGENHART, K. R.		
DIETER, T. J.		
DIETERLE, S. E.		
FERRERA, D. W.	X	
GIACOMINI, J. J.		
LINDSAY, D. C.		
LONG, J. W.		
LYLE, J. L.		
MARTINEZ, L. A.	X	
NAGEL, R. E.	X	
NESTA, S.	X	
NORTH, K.	X	
PARKER, A. M.		
RODGERS, A. D.		
SHELTON, D. C.	X	
PEARS, M. S.		
ZZUTO, V. M.		
SIN, M.	X	
TUOR, N. R.		
WEMELT, K.		
WILLIAMS, J. L.		
ZAHM, C.	X	

Bosenman X
 Leathers R X
 Arnold, P X
 Lavaraby X

COR. CONTROL	X
ADMIN. RECORD	X
PATS/130	

Reviewed for Addressee
Corres. Control RFP

5/5/04 *[Signature]*
Date By

Ref. Ltr. #

DOE ORDER #

5400.1

RECEIVED

2004 MAY -5 P 12:58

CORRESPONDENCE
CONTROL



Colorado Department
of Public Health
and Environment



April 28, 2004

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

Mr. Stephen Nesta, Environmental Manager
Remediation, Industrial D&D, & Site Services
Kaiser-Hill Company, L.L.C.
Rocky Flats Environmental Technology Site
10808 Highway 93, Unit B, Building 116
Golden, CO 80403-8200

RE: Approval of Closure Description Document (CDD) for Partial Closure of RCRA Interim Status Unit 18.01 - Remedial Action Decontamination Pad - SMN-001-04 at the Rocky Flats Environmental Technology Site (RFETS)

Dear Mr. Legare and Mr. Nesta:

The Colorado Department of Public Health and Environment has received your notice of intent to partially close the subject unit and has reviewed the supporting CDD. CDPHE received the CDD, containing the Notification in Section 1.1, from DOE and Kaiser-Hill on March 16, 2004.

The CDD applies to the decontamination pad and sump located southwest of the former 903 Pad and is identified as Unit 18.01 "Remedial Action Decontamination Pad" in the Master List of RCRA Hazardous Waste Units as incorporated by reference in Section 5.b of the "Closure Plan for Interim Status Units....", dated February 15, 2000.

The CDD is hereby approved for the closure of Unit 18.01 by decontamination of the components, or if clean closure performance standards cannot be achieved, by removal and disposal of the components as hazardous wastes as allowed in the Closure Plan. The following stipulations apply:

1. Since this CDD provides no specific plans for investigation of soils surrounding and beneath the unit, soil must be evaluated by ER under an approved Sampling and Analysis Plan (SAP) Addendum. Otherwise, the CDD will need to be amended to include a soil contamination evaluation.
2. The Tier II Ground Water Action Level for mercury as shown in Table 3-1 of the CDD is in error. The correct value, as shown in Table 2 of Attachment 5 of RFCA as formally modified on June 9, 2003, is 2.00E-03 mg/L not 2.00E-02 mg/L. Please modify and replace page 2 of all distributed copies of the CDD.
3. Please submit the unit specific Integrated Work Control Package/engineering work package to the agencies seven days prior to the expected implementation date of unit closure.
4. Approval is limited to closure of the RCRA unit; the demolition and removal of associated structures are subject to coordination with the D&D provisions of RFCA.

CDPHE anticipates that the Closure Summary Report, to be issued subsequent to completion of the partial closure activities, will document the complete closure of RCRA Unit 18.01. As you recognize, certification of closure signed by the owner or operator and by a independent registered professional engineer (Colorado PE), unless the entire unit is properly disposed, is required under 6 CCR 1007-3, §265.115.

As Lead Regulator for the Buffer Zone, where RCRA Interim Status Unit 18.01 is located, EPA is also signing this letter.

If you have any questions concerning these matters, please contact me at 303-692-3367, Harlen Ainscough at 303-692-3337 or David Kruchek at 303-692-3328.

Sincerely,



Steven H. Gunderson
RFCA Cleanup Agreement Project Coordinator
Colorado Dept. of Public Health & Environment



Mark Aguilar
Rocky Flats Project Manager
U.S. Environmental Protection Agency

cc: A. Rosenman, Kaiser-Hill
D. Shelton, Kaiser-Hill
S. Garcia, City of Broomfield
D. Miller, AGO
D. Kruchek, CDPHE-HMWMD
Administrative Record, RFETS Bldg. T-130G

15/15