

CORRES. CONTROL
OUTGOING LTR. NO.

DOE ORDER # 4700.1

04-RF-01048

DIST.	LTR	ENC
DIETER, T.J.		
FERRERA, D.W.	X	
LINDSAY, D.C.		
LONG, J.		
LYLE, J.L.		
MARTINEZ, L. A.		
PIZZUTO, V.M.		
SHELTON, D.C.		
SPEARS, M.S.		
TUOR, N. R.		

BEAN, C.		
BUTLER, J. L.		
DECK, C.		
FRANCIS, M.		
FREIBOTH, C.		
GEIS, A.		
GIBBS, F.	X	
HUMISTON, T.		
HUNTER, D.		
KNAPP, S.		
LINSINBIGLER, H.	X	X
MARSHALL, J.R.		
MYERS, K.	X	X
NESTA, S.	X	X
NORTH, K.		
OMAN, K.		
PLAPPERT, R.		
PRIMROSE, A.		
RICHARDELLA, R.		
ROSENMAN, A.	X	X
SNYDER, D.P.		
SWARTZ, J.M.		
WIEMELT, K.	X	X
SELAN, J.		
SILLS, S.		

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

CLASSIFICATION:

UCNI		
UNCLASSIFIED	X	X
CONFIDENTIAL		
SECRET		

AUTHORIZED CLASSIFIER

SIGNATURE: *u/m*
CJ Ferrera
Date: 10/15/04

IN REPLY TO RFP CC NO.:

ACTION ITEM STATUS:

PARTIAL/OPEN
 CLOSED
LTR APPROVALS:

ORIG. & TYPIST INITIALS:

KLM:pvt



KAISER-HILL
COMPANY

October 14, 2004

04-RF-01048

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

TRANSMITTAL OF THE FINAL CLOSEOUT REPORT FOR BUILDING 903B CLUSTER
DWF-068-04

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

The report is submitted to document completion of Deactivation and Decommissioning activities for Building 903B. 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.

Dennis W. Ferrera

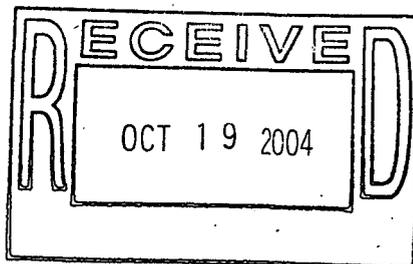
Dennis W. Ferrera
Vice President and Project Manager
Remediation, Industrial D&D, and Site Services

SMN:pvt

Enclosure:
As Stated

Orig. and 1 cc - Gary Morgan

cc:
Joe Legare



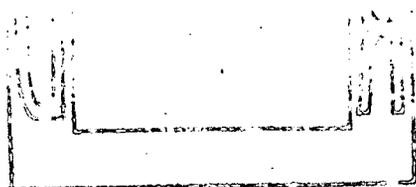
1/19

Final Project Closeout Report For Building 903B Cluster

Revision: 0

October 2004

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



Review for Classification
Name: [Signature]
Date: 10/13/04

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I. Introduction

Building 903B 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 (closed under a RCRA Closure Description Document), and Building 903A2 a 100 square-foot general storage shed acquired in 1993. A Closure Summary Report/Closeout Report was submitted for 903A under separate cover on October 13, 2004. Building 903B housed the water treatment equipment consisting of several funnel-shaped separator tanks.

The 903B Cluster Closure Project 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 903B Cluster.

566 Cluster Description

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. 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 903B Cluster had the following utilities: electric, domestic water provided by a fire hydrant located west of the MDF, 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 903B 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 Building 903B, dated December 2002, Revision 0.

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

All hazardous materials were segregated and disposition per site programs. RCRA regulated items (including light bulbs, circuit boards, and oils, if any) were removed and dispositioned in accordance with state, federal, and site requirements. Building 903B Cluster did not contain any asbestos material.

Neither RCRA, radioactive or beryllium contamination was identified in any of the facilities.

III. Verification Action Goals Were Met

Four action objectives were established for Building 903B 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 90B 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 903B Cluster facility structures and utilities to 3' below grade.***

The facility structure and concrete foundation were removed during demolition. All foundations and utilities were removed to 3' below final grade.

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 903B Cluster.

VI. Demolition Survey Results

This section is not applicable to this project.

VII. Waste Stream Disposition

Building 903B 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:	500 cubic yards
Waste Weight (tons):	109.9 tons
Additional Information:	25 shipments
<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.
Disposal Site:	Disposal at the appropriate disposal facility.
Waste Volume:	0.21 m ³ or approximately 163 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:	
<u>Recycled Material</u>	NA
Recycle Facility:	
Waste Volume:	
Additional Information:	

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VIII. Deviations From the Decision Document

There were no deviations to the decision documents.

IX. Descriptions of Site Condition at End of Decommissioning

The 566 facility Cluster was demolished, removing all utilities and foundation 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 reseeding in the future.

X. Demarcation of Excavation

This section is not applicable.

XI. Demarcation of Wastes Left in Place

All waste materials were removed.

XII. Dates and Duration of Specific Activities

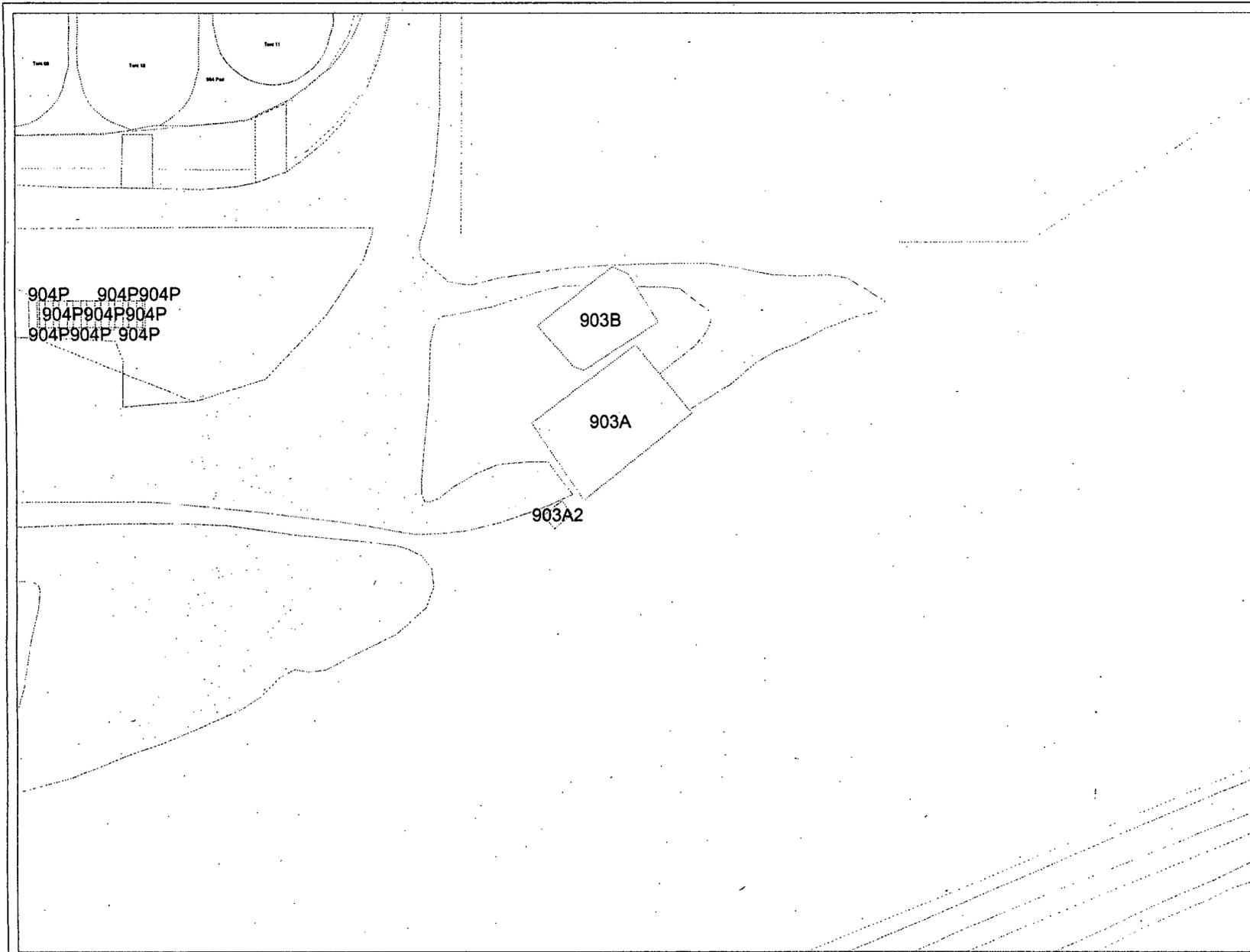
<u>Activity</u>	<u>Responsible Contractor</u>	<u>Dates</u>
PDS	Kaiser-Hill	August 2004
Demolition Activities	Kaiser-Hill	September 2004

XIII. Final Disposition of Wastes

See Section VII.

XIV. Next Steps for the Area

The site will be turned over to ER for final grading and re-vegetation, once all ER activities in the immediate area have been completed.



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
- Railroad Removed
- Railroad Remaining



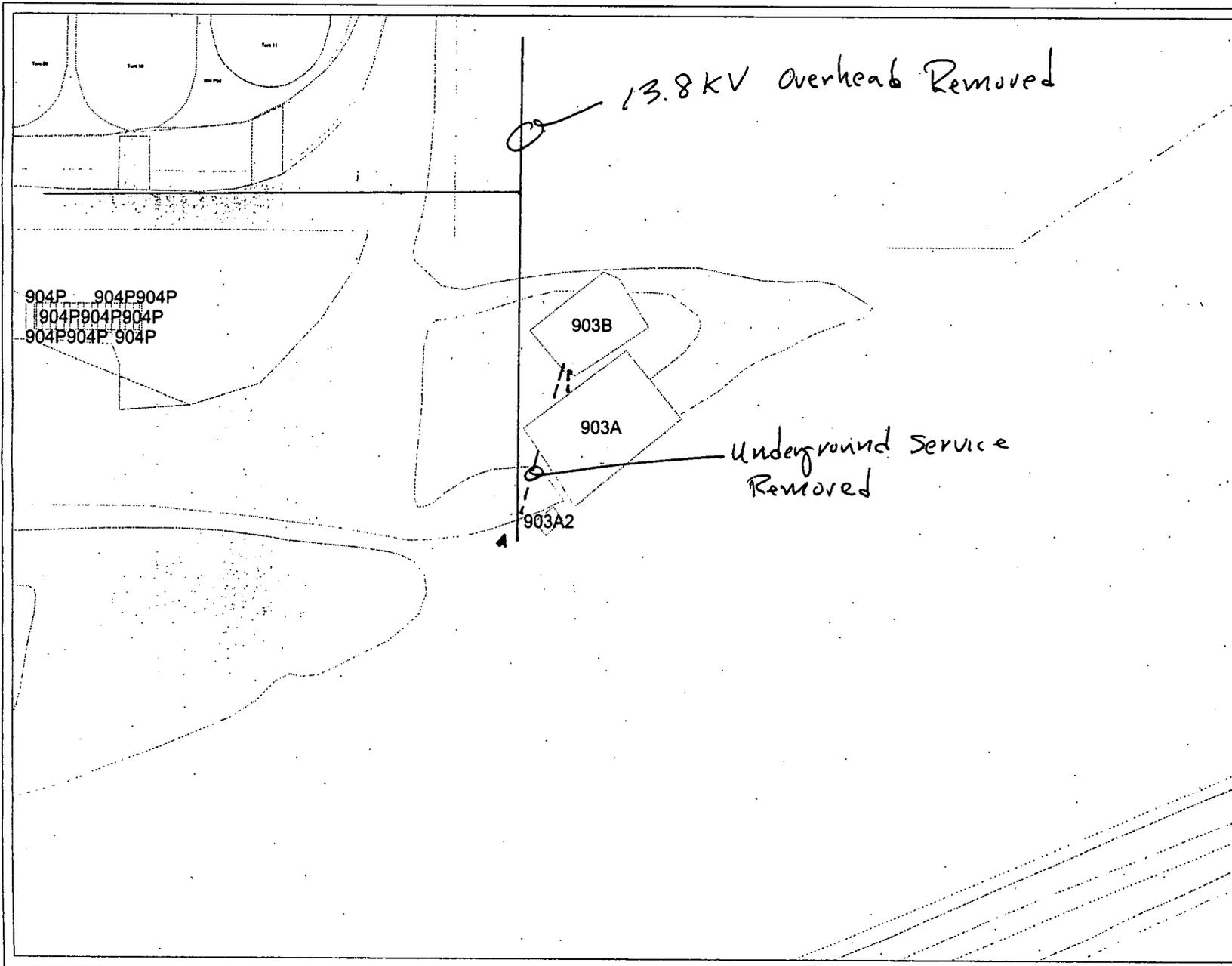
1:254
1 inch equals 22 feet

State Plane Coordinate Projection
Colorado Central Zone (5478)
Datum: NAD27

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

Prepared By
 CH2MHILL

GIS Dept. (303) 955-7707
Prepared For
 KAISER-HILL



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



1:254

1 inch equals 22 feet



State Plane Coordinate Projection
Colorado Central Zone (M78)
Datum: NAD27

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

Prepared by
CH2MHILL

GIS Dept. (303) 956-7707



**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 Pre-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. Legare, 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

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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 rinsate 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 707/776/777
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 RISS
K. North, K-H ESS/MS
R. Schassburger, DOE-RFPO
D. Shelton, K-H ESS
C. Zahm, K-H Legal

Additional Distribution:

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

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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 RFCP 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 constitutes, 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

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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. 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

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**

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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

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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>



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 B903B 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 Kruchek at (303) 692-3328.

Sincerely,

Steven H. Gunderson
RECA Project Coordinator

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

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

Post-it* Fax Note	7671	Date	9/17	Page #	2
To	Cameron Freiboth	From	D. Kruchek		
Co./Dept.	KH	Co.	CDPHE		
Phone #	966 2829	Phone #			
Fax #	268 4165	Fax #			

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