

## 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 4, 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 Building 440 - Approval**

Dear Mr. Rampe:

The Colorado Department of Public Health and Environment, Hazardous Materials and Waste Management Division has reviewed your letter dated August 23, 2005, and the Closeout Report for Building 440, Revision 0 dated July 2005. We have also reviewed your letter dated September 28, 2005 and the additional information, which was provided in response to our comments. Building 440 was determined to be a Type 2 Facility. Based on the information provided in these two documents, we are approving the Closeout Report for Building 440.

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

Sincerely,

David A. Kruchek  
Acting Rocky Flats Oversight Unit Leader

cc: Richard Schassburger, DOE  
Mark Aguilar, EPA  
Steve Nesta, KH  
Sam Garcia, EPA  
Administrative Records - Mountain View

Karen Wiemelt, KH  
Dave Shelton, KH  
David Abelson, RFCLOG  
Carl Spreng, CDPHE

ADMIN RECORD

1/8  
IA-A-002988

COMMES. CONTROL  
INCOMING LTR NO.

00309 RFOS

DUE DATE

ACTION

DIST.	LTR	ENC
BERARDINI, J.H.	X	
BOGNAR, E.S.	X	
BROOKS, L.	X	
CARPENTER, M.	X	
CIUCCI, J.A.		
CROCKETT, G. A.	X	
DECK, C. A.	X	
DEGENHART, K. R.	X	
DEL VECCHIO, D.		
FERRERA, D. W.	X	
GIACOMINI, J. J.		
GILPIN, H.		
LINDSAY, D. C.	X	
LONG, J. W.		
NESTA, S.	X	
SHELTON, D. C.	X	
SPEARS, M. S.		
TUOR, N. R.	X	
WARD, D.	X	
WIEMELT, K.	X	
ZAHM, C.	X	
Ja	3, D	X
Freiboth, C	X	

COR. CONTROL	X
ADMIN. RECORD	X
ATS	

Reviewed for Addressee  
Corres. Control RFP

6/11/05  
Date By

Ref. Ltr. #

OFFICER #

5400.1

RECEIVED

2005 JUN 16 A 9:23

STATE OF COLORADO

Bill Owens, Governor

Douglas H. Benevento, Executive Director

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Denver, Colorado 80230-6928  
(303) 692-3090

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



Colorado Department  
of Public Health  
and Environment

June 9, 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: Reconnaissance Level Characterization Report (RLCR)/Pre-Demolition Survey Report (PDSR) for Building 440 Westside – Concurrence & Approval**

Dear Mr. Rampe:

The Colorado Department of Public Health and Environment, Hazardous Materials and Waste Management Division has reviewed the RLCR/PDSR for Building 440 Westside Closure Project; Revision 0 dated June 1, 2005. Revisions have been made based on comments provided. We received a copy of your letter regarding this RLCR/PDSR on June 7, 2005. Based on the information contained in this RLCR/PDSR, as revised, we are hereby concurring that Building 440 Westside is a Type 2 Facility. We are also approving the PDSR, as revised, for B440 Westside.

Although we are approving the PDSR for B440 Westside, it is recognized (as stated in the PDSR) that radiological contamination remains in B440 Westside. It is also our understanding that asbestos containing non-friable floor tile remains in B440 Westside. As such, we expect to receive specific work plans and/or a Facility Disposition RSOP Notification to properly identify the activities that will be implemented to demolish B440 Westside and to properly protect, manage, and/or remove and dispose of the contaminated portions of B440 Westside.

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

Sincerely,

*David Kruchek*  
DK

Steven H. Gunderson  
RFCA Project Coordinator

cc: Gary Morgan, DOE  
Mark Aguilar, EPA  
Sam Garcia, EPA  
Duane Parsons, KH

Cameron Freiboth, KH  
Dave Shelton, KH  
Steve Nesta, KH  
Administrative Records – Mountain View



Mr. Steven H. Gunderson  
05-DOE-00355

2

JUN - 7 2005

Questions may be directed to Gary Morgan, Rocky Flats Project Management, at  
(303) 966-6003.

Sincerely,



John J. Rampe, Director  
RFPO Project Management

Enclosure

cc w/o Encl:

S. Nesta, K-H RISS Env  
C. Freiboth, K-H RISS D&D  
K. Wiemelt, K-H RISS D&D  
M. Aguilar, USEPA  
D. Abelson, RFCLOG

cc w/Encl:

G. Morgan, RFPM, RFPO  
D. McCranie, HQCPM, RFPO  
Administrative Record

RES. CONTROL  
INCOMING LTR NO.

RECEIVED

00283RF05

2005 MAY 26 A 9 12

# STATE OF COLORADO

**DUE DATE**

Bill Owens, Governor

**ACTION**

Douglas H. Benevento, Executive Director

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



Colorado Department  
of Public Health  
and Environment

1300 Cherry Creek Dr. S.	Laboratory and Radiation Services Division
Denver, Colorado 80246-1530	8100 Lowry Blvd.
Phone (303) 692-2000	Denver, Colorado 80230-6928
DDD Line (303) 691-7700	(303) 692-3090
located in Glendale, Colorado	

DIST.	LTR	EN	
BERARDINI, J.H.	X		
BOGNAR, E.S.	X		
BROOKS, L.	X		
CARPENTER, M.	X		<a href="http://www.cdphe.state.co.us">http://www.cdphe.state.co.us</a>
CIUCCI, J.A.			
CROCKETT, G. A.	X		
DECK, C. A.	X		May 19, 2005
DEGENHART, K. R.	X		
DEL VECCHIO, D.			Mr. Joe Legare
FERRERA, D. W.	X		Director, Project Management Division
GIACOMINI, J. J.			U.S. Department of Energy, Rocky Flats Project Office
GILPIN, H.			10808 Highway 93, Unit A
LINDSAY, D. C.	X		Golden, CO 80403-8200
LONG, J. W.			
NESTA, S.	X		
SHELTON, D. C.	X		

**RE: Reconnaissance Level Characterization Report (RLCR)/Pre-Demolition Survey Report (PDSR) for Building 440 Eastside - Concurrence & Approval**

Dear Mr. Legare:

Freiboth, C X  
 The Colorado Department of Public Health and Environment, Hazardous Materials and Waste Management Division has reviewed the RLCR/PDSR for Building 440 Eastside Closure Project; Revision 0 dated May 12, 2005. Revisions have been made based on comments provided. We received a copy of your letter regarding this RLCR/PDSR on May 19, 2005. Based on the information contained in this RLCR/PDSR, as revised, and the RCRA Unit 440.1 closure documentation for Room 141 as provided, we are hereby concurring that Building 440 Eastside is a Type 2 Facility, as well as approving the PDSR for B440 Eastside.

Although we are concurring with the Type 2 designation for B440 Eastside, since no contamination was found and this section of B440 can be physically separated from the Westside of B440, we also agree that B440 Eastside may be demolished utilizing the Facility Disposition RSOP without submitting a demolition Notification or the 6 point analysis of the Component Removal RSOP Section 3.8.1, as long as the integrity of the building shell of B440 Westside is maintained. However, as a Type 2 Facility, a Closeout Report for B440, including the east and west sides must be submitted for our review and approval.

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

COR. CONTROL	X
ADMIN. RECORD	X

Sincerely,

Reviewed for Addressee  
Corres. Control RFP

Stacy dc  
 Date By

Steven H. Gunderson  
RFCA Project Coordinator

Ref. Ltr. #

cc: Gary Morgan, DOE  
 Mark Aguilar, EPA  
 Sam Garcia, EPA  
 Duane Parsons, KH

Cameron Freiboth, KH  
 Dave Shelton, KH  
 Steve NESTA, KH  
 Administrative Records Building T130G

ORDER #  
5400.1

Revised 08/05

CORRES. CONTROL  
INCOMING LTR NO.

00436 RF05

DUE DATE  
ACTION



Department of Energy

ROCKY FLATS PROJECT OFFICE  
12101 AIRPORT WAY, UNIT A  
BROOMFIELD, COLORADO 80021-2583

AUG 23 2005

RECEIVED

2005 AUG 25 P

CORRESPONDENCE  
CONTROL

05-DOE-00519

DIST.	LTR	ENC
BERARDINI, J.H.	X	X
BOGNAR, E.S.	X	X
BROOKS, L.	X	X
CROCKETT, G. A.	X	X
DECK, C. A.	X	X
DEGENHART, K. R.	X	X
FERRERA, D. W.	X	X
GIACOMINI, J. J.		
GILPIN, H.		
LINDSAY, D. C.	X	X
LONG, J. W.		
NESTA, S.	X	X
SHELTON, D. C.	X	X
TUOR, N. R.	X	X
WARD, D.	X	X
WIEMELT, K.	X	X
ZAHM, C.	X	X

Mr. Carl Spreng  
RFCA Coordinator  
Colorado Department of Public Health and Environment  
4300 Cherry Creek Drive South  
Denver, CO 80222-1530

Dear Mr. Spreng:

Please find enclosed completed Rocky Flats Cleanup Agreement (RFCA) Type 2 building disposition Closeout Report provided for your information for Building 440, DWF-076-05 dated August 4, 2005. This report is submitted in accordance with the RFCA for your review and approval.

Questions can be directed to Gary Morgan, RFPO, at (303) 966-6003.

Sincerely,

John J. Rampe, Director  
RFPO Closure Project Management

Enclosure

cc w/o Encl:  
S. Nesta, K-H RISS Env  
Joe Heber, K-H RISS D&D  
K. Wiemelt, K-H RISS D&D

COR. CONTROL	X	X
ADMIN. RECORD	X	X

Reviewed for Addressee  
Corres. Control RFP

cc w/Encl.:  
D. Kruchek, CDPHE  
M. Aguilar, USEPA  
D. Abelson, RFCLOG  
K. Korkia, CAB  
Administrative Record

8/25/05 *dc*  
Date By

Ref. Ltr. #  
05RF00748

DOE ORDER #  
5400.1

**Final Project Closeout Report**  
**For**  
**Building 440**

**Revision: 0**

**July 2005**

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

Review for Classification  
Name: N/A  
Date: \_\_\_\_\_

## I. Introduction

### Building 440 Description

Demolition of Building 440 (B440) was divided into two distinct Closure Projects; Eastside Closure Project, and Westside Closure Project. Rooms 140, 140A and 140B were covered in the Eastside Closure Project RLCR/PDSR, the remaining structure was covered in the Westside Closure Project RLCR/PDSR.

B440 was an approximately 59,000 square foot structure built in 1971. The Structure was a pre-fabricated building built on a concrete foundation. The exterior walls were constructed of insulated metal panels attached to a steel frame. The roof was constructed of metal decking with a built-up roof.

B440 was originally constructed as a production control, shipping of products for final assembly, and shipping wastes for disposal. Special nuclear materials and depleted uranium were staged and shipped out of this building by truck and railcar. In the early 1970's, B440 was also used to modify and repair rail cars, semi-truck trailers and escort vehicles to meet specific DOE standards for transport of special nuclear material and radioactive waste. Vehicle modification work in B440 continued until 1994. Most of the original equipment associated with this activity was shipped to other DOE facilities. Production processes in B440 included various welding, painting, machining, pipe fitting, metal working, and electrical work used to modify transports. Paint booths were used to coat fabricated, non-nuclear components and transports. The gantry and 5-ton cranes were used to move materials associated with the transport modification effort.

B440 was expanded four times to include a railcar bay, a high bay, paint booths, and locker rooms in support of transport modification efforts and a 20,000 square foot storage area. Room 114 was a railcar bay. The railroad tracks, which were covered with poured concrete in the early 1990's is approximately five feet lower than the main building floor. Gantry cranes in rooms 105 and 114 were used to move equipment and materials used in the modification of safe secure transports.

B440's final use was as a permitted storage area for LLW, TRU, and mixed wastes, as well as for WIPP characterization, waste repackaging, and shipment. Two Permacons, a glovebox, and HEPA filtration was added to B440 in the late 1999's to support characterization and repackaging of non-conforming wastes.

The following utilities were associated with B440: electrical, plant water, plant sanitary, plant steam, and an overhead fire sprinkler system.

Based on the analysis of radiological, chemical and physical hazards contained in the RLCRs/PDSRs, Building 440 was classified as a RFCA Type 2 facility pursuant to the RFETS Decommissioning Program Plan (DPP; K-H, 1999). Classification is also based on the relative complexity associated with decommissioning the facilities.

Closure of the facility was completed in accordance with the Rocky Flats Cleanup Agreement Standard Operating Protocol (RFCA RSOP) for Facility Disposition. Integrated Work Control Program (IWCP) procedures were followed during building decommissioning.

8/8