



CORRES. CONTROL

OUTGOING LTR. NO.

DOE ORDER # 4700.1

05-RF-00023

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.		

JAN - 6 2005

05-RF-0023

BEAN, C.		
DECK, C.		
FOSS, D.	X	X
FRANCIS, M.		
FREIBOTH, C.		
GEIS, A.		
GIBBS, F.	X	
HUMISTON, T.		
KNAPP, S.		
LINSIBIGLER, H.		
MYERS, K.		
NESTA, S.	X	X
NORTH, K.		
OMAN, K.		
PLAPPERT, R.		
PRIMROSE, A.		
RICHARDELLA, R.		
SNYDER, D.P.		
SWARTZ, J.M.	X	X
WARD, D.A.		
WIEMELT, K.		
SILLS, S.		
SHULER, K.	X	X

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

RSOP NOTIFICATION LETTER FOR BUILDINGS 444, 445, and 450 DEMOLITION
DWF-004-05

Attached is a draft RSOP notification letter for Buildings 444, 445, 450 demolition to be submitted to the Colorado Department of Public Health and Environment. Please contact Dyan Foss X7577 with questions or concerns.

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

Attachments:
As Stated

DLF:pvt

Orig. and 1 cc - G. Morgan

cc:
Joe Legare

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

CLASSIFICATION:	
UCNI	
UNCLASSIFIED	
CONFIDENTIAL	
SECRET	

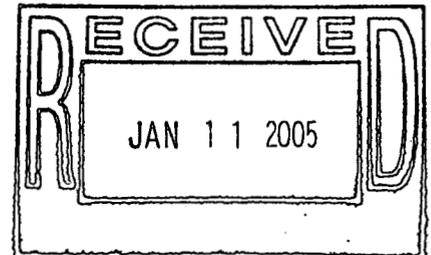
AUTHORIZED CLASSIFIER
SIGNATURE:

Date:
IN REPLY TO RFP CC NO.:

ACTION ITEM STATUS:
 PARTIAL/OPEN
 CLOSED
LTR APPROVALS:

ORIG. & TYPIST INITIALS:
DLF:pvt

RF-46469(Rev.9/94)



ADMIN RECORD

Kaiser-Hill Company, L.L.C.
Rocky Flats Environmental Technology Site, 10808 Highway 93, Unit B, T707P, Golden, CO 80403-8200 ♦ (303) 966-7577

B444-A-000105

45

RSOP NOTIFICATION LETTER FOR BUILDINGS 444, 445, and 450 DEMOLITION

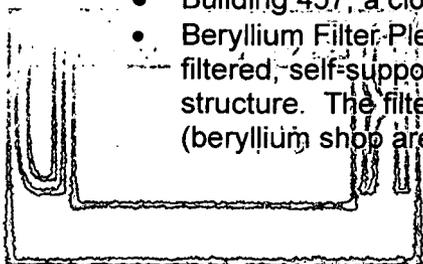
This letter is notification of Rocky Flats Cleanup Agreement Standard Operating Protocol (RSOP) implementation in accordance with the *RSOP Facility Disposition*. This notification and *RSOP for Component Removal, Size Reduction, and Decontamination Activities* notification agreed to by CDPHE on March 6, 2003, encompass all activities required to demolish the Buildings 444, 445, and 450.

Building 444 is constructed of poured reinforced concrete. A portion of the building has a second floor and a basement (112,900 square feet on the ground floor, 23,700 square feet in the basement; and 25,400 square feet on the mezzanines.) The building has a cast-in-place superstructure, with interior columns, exterior walls with monolithic columns, and elevated floor and roof slabs with monolithic beams and girders. The roof is built-up with rigid insulation and gravel ballast. The exterior walls initially had window openings, and are now covered with asbestos-cement sheets or masonry block. Original construction took place between 1951 and 1953. Four additions have been built since the original construction in 1953, which added buildings 445, 447, and 448:

- 1955, radiography vaults were added in the northwest corner,
- 1956, Building 447 (25,820 square feet) was added on the south side of the structure,
- 1957, Building 445 (3,280 square feet) was added to the east side of the structure, and
- 1962, Building 448 (3,720 square feet) was added to the north side of Building 447

The building is set on concrete foundations composed of individual spread footings, combined footings, and foundation walls. The Building 444 structure is constructed of reinforced concrete walls for the exterior and some interior load bearing walls and columns. Associated facilities within the 444 Complex included:

- Building 449, a carpenter and paint shop storage facility (already demolished).
- Building 450, a two stage HEPA filtered, self-supporting, freestanding, filter plenum located south of the Building 444 structure. The filter plenum was constructed in 1958, and ventilates Building 444.
- Building 451, a two stage HEPA filtered, self-supporting, freestanding, filter plenum located south of the Building 447 structure. The filter plenum was constructed in 1983, and ventilates Buildings 447 and 448 (already demolished).
- Building 453, a storage facility located west of the complex (already demolished).
- Building 454, a closed circuit cooling tower facility (already demolished).
- Building 455 was a two stage HEPA filtered, self-supporting, freestanding, filter plenum located east of the Building 444 structure and south of the cooling tower. The filter plenum was constructed in 1982, and ventilated Rooms 113 and 118 of Building 444 (already demolished).
- Building 457, a closed circuit cooling tower facility (already demolished).
- Beryllium Filter Plenum, located south of the Building 444 structure, is a two stage HEPA filtered, self-supporting, freestanding, filter plenum located south of the Building 444 structure. The filter plenum was constructed in 1986, and ventilates Room 106 and 107 (beryllium shop area) of Building 444 (already demolished).



Kaiser-Hill Company, L.L.C.

Rocky Flats Environmental Technology Site, 10808 Highway 93, Unit B, T707P, Golden, CO 80403-8200 ♦ (303) 966-7577

Building 444 was designed as a manufacturing facility to fabricate weapons components and assemblies of beryllium, depleted uranium, stainless steel, aluminum, and vanadium. Operations included foundry processes, fabrication and assembly of parts, testing and inspection, and support operations. Foundry processes included beryllium, depleted uranium, and aluminum. Fabrication processes included the machining of all metals, and brazing and welding operations on fabricated parts. Also included were coating and plating operations.

Nuclear weapons component production continued in the facility until 1989, and by the end of 1994, all operations ceased.

After the reconnaissance level characterization was completed, Buildings 444, 445, 447, 448, 450, 451, and 455 were identified as type 2 facilities. Buildings 447, 448, 451, and 455 were addressed under separate RSOP notifications and have already been dispositioned.

The Building 444 complex facility decommissioning was initiated 2002 in accordance with the *RSOP for Component Removal, Size Reduction and Decontamination Activities*. Loose and fixed equipment has been removed and decontamination efforts were completed. Decontamination consisted of vacuuming, wiping, pressure washing, and shaving, as appropriate.

After these activities were completed, in-process beryllium and radiological surveys were conducted. Based on the surveys, the decontamination efforts were successful on the upper portions of the building with some exceptions, primarily on the slabs and below grade areas. There is contamination on the Building 444 main floor slab, which extends from columns C5 to C11 to E11 to E16 to S16 to S8 to Q8 to Q5 and back to C5 working in a clockwise direction. In addition, the basement of Building 444, the slab of Room 179, and the slab in the hallway between Rooms 179 and 180B could not be decontaminated to unrestricted release.

There are also several concrete exhaust ducts that run through and beneath the slabs in the Room 101 and 107 areas and to the former filter plenum in the basement. These ducts cannot be removed prior to demolition, are not accessible for decontamination and do not meet unrestricted release. The ducts will be filled with flowable fill and removed to at least 3 feet below final grade. Figure 1 outlines these areas on a Building 444 floorplan.

These results and activities were discussed with CDPHE during bi-weekly status meetings, and there was a general agreement that the decontamination efforts had been exhausted and the demolition/removal will proceed as follows¹:

- All contaminated areas will be pressured washed.
- All contaminated areas will be decontaminated using the best available method.
- In process surveys will be conducted on areas with some residual contamination and fixative will be applied.
- Information on residual contamination will be provided to the Site air quality group for an assessment of potential air emission impacts during demolition.
- Pre-demolition surveys will be conducted on areas that meet unrestricted release.
- Final surveys will be conducted on areas that do not meet unrestricted release as necessary for waste characterization and work planning purposes.

¹ The sequence is a complete list of activities, some of the activities have already been completed, as indicated in the letter.

- All of the building will meet the unrestricted release criteria for removable contamination prior to demolition.
- RCRA units will be closed.
- Chemicals will be removed.
- Plywood will be placed on the portions of the floor slab that do not meet unrestricted release.
- The portions of the building that meet unrestricted release will be demolished in accordance with the *RSOP for Facility Disposition*.
- The portions of the building that do not meet unrestricted release (slab, duct, and basement) will be removed in accordance with the *RSOP for Component Removal, Size Reduction, and Decontamination Activities, Section 3.8*. Surveys will be performed to identify the boundaries of contamination surrounding the contaminated section of the shell, and a safety margin will be developed around the contaminated area. A safety margin is a boundary outlined around the contaminated area, up to where mechanical removal methods can be used prior to initiating cutting techniques.
- The slab will be removed to at least 3 feet below the final grade.
- The basement area will be backfilled.
- Sanitary, foundation and storm drains located within 3 feet of final grade will be removed.
- Remaining foundation and storm drains will be disrupted to prevent their operation and movement of groundwater.

There are below grade portions of the facility that do not meet the unrestricted release criteria that may be left in place dependent on the levels of contamination, groundwater interaction and CDPHE approval. This notification does not address the approval of leaving portions of the facility that do not meet unrestricted release. Any portions of the facility that do not meet unrestricted release will be removed unless agreement with CDPHE has been reached and documented in a contact record or decision document as determined appropriate through the consultative process.

The 444 project area has already been evaluated by the Environmental Remediation (ER) group, and individual hazardous substance site 400-3 has been determined to be a no further accelerated action site. Since portions of the slab do not meet unrestricted release, the slab removal in these areas will be coordinated with ER in the event that additional confirmation samples are required.

This work will be conducted by Kaiser-Hill, LLC (K-H). The requirements, methods, controls, and processes outlined in both RSOPs will be followed. This work will be conducted in accordance with the work control documentation prepared by K-H and its subcontractors. The exact methods and process and progress of the activities will be communicated to the Department of Energy and Lead Regulatory Agency through the consultative process. A level one schedule of the work has been attached.

Section 3.8.1 of the *RSOP for Component Removal, Size Reduction, & Decontamination Activities* requires the following assessment:

- (1) Relative Cost – There is no relative cost for this activity. The contaminated areas cannot be removed prior to demolition because removal would cause a structural issue (the basement), or would require removal of portions of the slab, which increase risks to

workers from hoisting, rigging, and falls and increases the potential for contamination spread to the area below the slab.

- (2) Structural Evaluation -- The work package will be reviewed and signed off by a structural engineer.
- (3) Air Emissions -- An analysis of the potential radionuclide emission modeling was completed for the Building 444 demolition. CAP88-PC was used for the model to estimate the dose to the most impacted public receptor. The highest modeled dose was 2.2E-06 mrem/year, which is far below the monitoring threshold of 0.1 mrem/year in the Site Integrated Monitoring Plan and the 10 mrem/year standard from 40 CFR 61, Subpart H. The total activity for each Uranium isotope listed in the Package Data Sheets, a 10% damage ratio (assumed 10% of the fixed contamination will become removable during the demolition/remediation activities), and a 10^{-3} emission factor (both taken from the peer-reviewed Building 776/777 Air Modeling Technical Document) were used for the inputs to the CAP88-PC model.

The total remaining uranium in the buildings was based on conservative estimates provided by the Building 444 radiological engineer. The majority of the decontamination effort was completed prior to preparing the estimates, but some work was on-going in the building to ensure that there was no removable contamination.

Air monitoring will be performed in accordance with the requirements of the Site IMP. The existing RFETS Radioactive Ambient Air Monitoring Program (RAAMP) sampler network will be used for ambient air monitoring during removal activities. The RAAMP sampler network continuously monitors airborne dispersion of radioactive materials from the Site into the surrounding environment. Work area monitoring will be conducted for worker health and safety as dictated by Industrial Hygiene and Radiological Engineering.

- (4) Dust Generation -- An analysis of the potential emissions will be completed by the air quality group. Dust and contamination control will include the application of fixative, water during removal, and placement of the contaminated materials in waste containers as soon as the material is size reduced. These measures will be included in the work package.
- (5) Impacts to Surface Water -- It is anticipated that this activity will have a minimal potential for impacting surface water or basement areas of the building. The area around the contaminated slab will be inspected to identify potential pathways for migration of contaminants, including roof and floor drains, cracks, seams, floor/wall intersections, and foundation drains. Pathways will be closed by covering or filling (e.g., plastic sheeting or grout). Surface water (i.e., stormwater run-on and run-off) will be controlled using standard construction methods, including silt fences, hay bales, and diversion ditches.

In accordance with the RFETS Erosion Control Management System manual, an assessment of the area will be made and controls put in place prior to initiating demolition/removal. Placement of surface water controls will be prerequisites in the work package for demolition/removal.

(6) Impacts to Migratory Bird – There are no birds nests associated with these areas, and continual walk downs will be completed until the demolition/removal is complete.

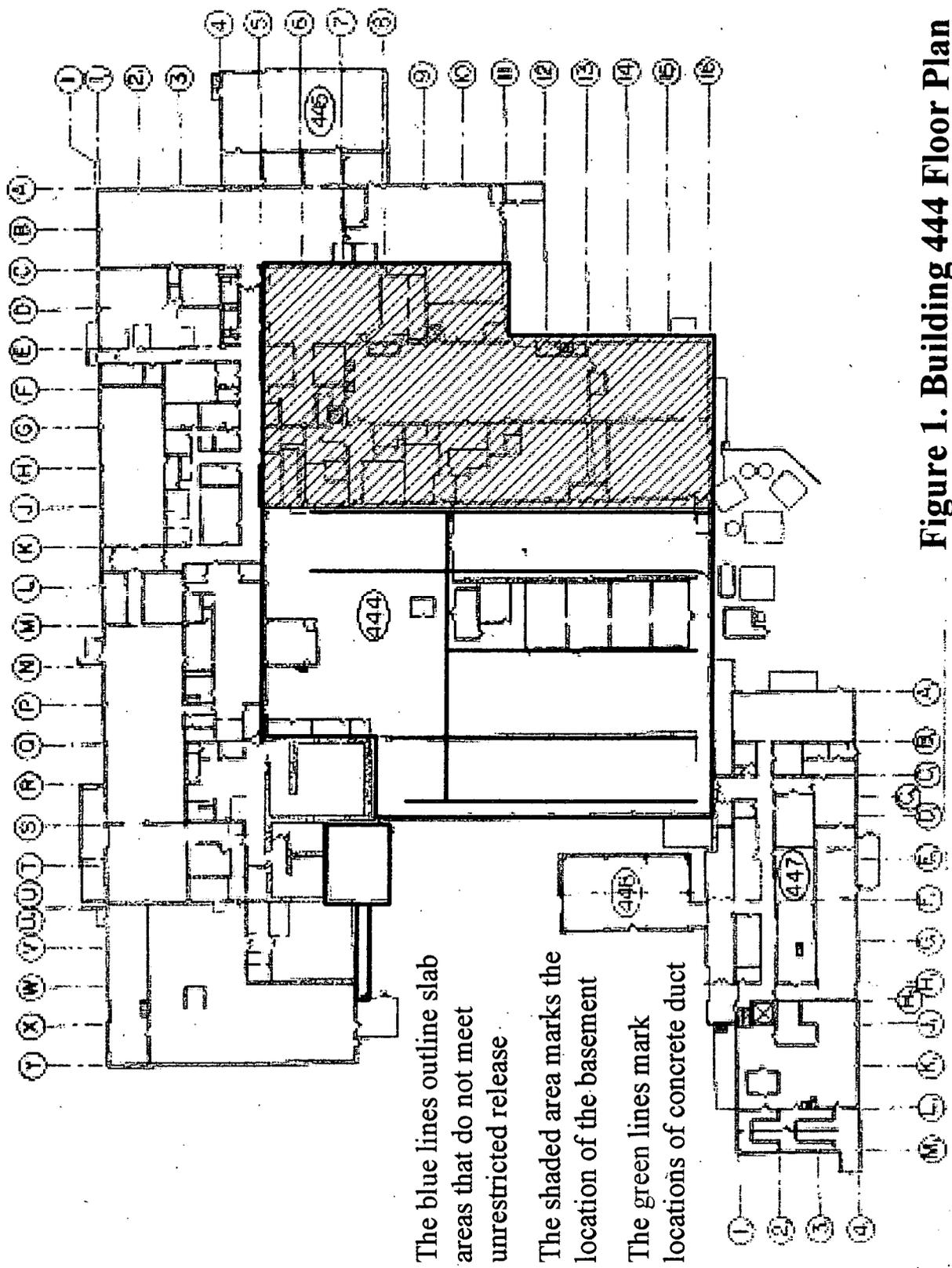
This activity was discussed with the public on November 16, 2004 and an update will be provided on January 18, 2005.

The administrative record requirements for this activity include the following:

- Final Rocky Flats Cleanup Agreement (RFCA)
- RFETS Decommissioning Program Plan (DPP)
- RFCA Standard Operating Protocol for Facility Disposition
- RFCA Standard Operating Protocol for Component Removal, Size Reduction and Decontamination Activities
- RFCA Standard Operating Protocol for Environmental Remediation
- Pre-Demolition Survey Reports (PDSRs) Building 444, 445, and 450
- Notification Letter and subsequent CDPHE correspondence, if appropriate

Progress, status and work planning will continue to be conducted in accordance with the consultative process at biweekly status meetings for this project. The project will not implement this notification until the following have been obtained:

- CDPHE approval of this notification;
- CDPHE approval on the appropriate Pre-Demolition Surveys Reports and/or radiological and beryllium surveys for the areas that do not meet the unrestricted release criteria.



The blue lines outline slab areas that do not meet unrestricted release

The shaded area marks the location of the basement

The green lines mark locations of concrete duct

Figure 1. Building 444 Floor Plan

ROCKY FLATS ENVIRONMENTAL TECHNOLOGY SITE
CERCLA ADMINISTRATIVE RECORD - GENERAL QUERY

There are 123 records in this set and a total of 3018 pages.

<u>Doc. No. / Date</u>	<u>Routine</u>	<u>Internal Code</u>	<u>Title / Subject</u>
B444 A 000001 11/01/1998 146 Pages PUBLIC	YES, ROUTINE <u>Author(s)</u> JOHNSTON, B. MATHIS, BRIAN W. WOLTEMATH, J.	RF/RMRS-98-294 <u>Recipient(s)</u> NOT INDICATED	444 Cluster Removal Project, Project Execution Plan (PEP) Initial Issue: Hazards Reduction, Revision 0 effective December 1, 1998. The Cluster Closure Project includes complete demolition and removal of the remaining 13 facilities in the cluster. The purpose of the B444 Cluster Removal Project is to support the site mission of safely closing all facilities and operable units in a short amount of time and to reduce landlord costs. Fixed Price with Economic Price Adjustment (FPEPA)
B444 A 000004 02/18/1997 17 Pages PUBLIC	YES, ROUTINE <u>Author(s)</u> MCANDREW, WILLIAM J.	WJM-006-97 <u>Recipient(s)</u> EVANS, BEN L.	Rocky Mountain Remediation Services, L.L.C. (RMRS) transmits the Plan for Safe Shutdown of Building 444 Cluster dated February 1997, Revision 0, to Kaiser-Hill Company, L.L.C. (K-H).
B444 A 000005 10/05/2001 2 Pages PUBLIC	YES, ROUTINE <u>Author(s)</u> GUNDERSON, STEVE	N/A <u>Recipient(s)</u> LEGARE, JOSEPH A. NESTA, STEVE	Discusses the management of groundwater collected in sumps in the basements of Buildings 444 and 447 and the necessity to pump these sumps to prevent flooding.
B444 A 000006 02/20/2002 2 Pages PUBLIC	YES, ROUTINE <u>Author(s)</u> FREIBOTH, C. J. KONWINSKI, GARY R. NESTA, STEVE	N/A <u>Recipient(s)</u> DISTRIBUTION HINDMAN, JAMES	Purpose of Contact: Discussion of Building 444 (Room 101) initial equipment removal methodology / approach. The meeting ended with the State acknowledging that they had received notification on the removal of the equipment (and tables and shelves) in Categories 1 and 5. The remaining pieces of equipment (Categories 2, 3, and 6) cannot be removed until the State receives the work package describing the actual work for these pieces of equipment, they review it, and then concur with the removal. The Category 4 pieces of equipment are currently not planned on being removed.

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<u>Doc. No. / Date</u>	<u>Routine</u>	<u>Internal Code</u>	<u>Title / Subject</u>
B444 A 000007 03/05/2002 2 Pages PUBLIC	YES, ROUTINE <u>Author(s)</u> FREIBOTH, C. J.	N/A <u>Recipient(s)</u> HINDMAN, JAMES	Purpose of Contact: Building 444 Complex Scoping Meeting Minutes. The complex includes Buildings 427, 427A, 444, S444, 445, 447, 448, 449, 449A, 449C, S449, 450, 451, 453, 454, 455, and 457. Kaiser-Hill Company, L.L.C. (K-H) projected that Buildings 444, 447, 448, 450, 451 and 455 will be Type 2 facilities and the remainder being Type 1. The Colorado Department of Public Health and Environment (CDPHE) projects that, Building 444 and 447 might be a Type 3.
B444 A 000008 06/17/2002 2 Pages PUBLIC	YES, ROUTINE <u>Author(s)</u> FREIBOTH, C. J.	N/A <u>Recipient(s)</u> HINDMAN, JAMES	Purpose of Contact: Discusses the Colorado Department of Public Health and Environment (CDPHE) concurrence on Building 444 Mechanically Disconnect Groups 11, 12 and 13 Equipment - T0110119
B444 A 000009 09/25/2002 2 Pages PUBLIC	YES, ROUTINE <u>Author(s)</u> SCHIEFFELIN, JOE	00703-RF-02 <u>Recipient(s)</u> LEGARE, JOSEPH A. NESTA, STEVE	The Colorado Department of Public Health and Environment (CDPHE) gives conditional approval of the Closure Description Document (CDD) for Partial Closure of Resource Conservation and Recovery Act (RCRA) Process Waste System Unit 40 in Building 444/447. The CDD applies to the process waste sinks, sumps and associated immediate ancillary equipment located in Building 444 and 447. The conditions for this approval are included.
B444 A 000010 10/09/2002 1 Pages PUBLIC	YES, ROUTINE <u>Author(s)</u> LEGARE, JOSEPH A.	02-DOE-01524; 00692-RF-02 <u>Recipient(s)</u> GUNDERSON, STEVE	Forwards the attached [000014] Reconnaissance Level Characterization Report (RLCR) for Buildings 444, 445, 447, 448, 450, 451 and 455. These buildings are determined Type 2 facilities due to the moderate to mild depleted Uranium (U) and Beryllium (Be) contamination in accordance with the Decommissioning Program Plan (DPP) and this determination is submitted for Lead Regulatory Agency (LRA) concurrence.

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<u>Doc. No. / Date</u>	<u>Routine</u>	<u>Internal Code</u>	<u>Title / Subject</u>
B444 A 000012 11/14/2002 2 Pages PUBLIC	YES, ROUTINE <u>Author(s)</u> GUNDERSON, STEVE	00804-RF-02 <u>Recipient(s)</u> LEGARE, JOSEPH A.	The Colorado Department of Public Health and Environment (CDPHE) has reviewed the Reconnaissance Level Characterization Report (RLCR) for the Building 444 Cluster Closure Project. Revision 0 dated September 5, 2002. In accordance with the Section 3.3.4 of the Decommissioning Program Plan (DPP), the Division concurs with the determination that Buildings 445, 448, 450, 451 and 455 are Type 2 facilities. They agree that most of Buildings 444 and 447 are Type 2, however their concurrence is subject to Divisor approval of work packages prior to conducting work and the following items are listed along with the CDPHE comments on the RLCR.
B444 A 000013 09/12/2002 1 Pages PUBLIC	YES, ROUTINE <u>Author(s)</u> FERRERA, DENNIS W.	02-RF-01958; DWF-080-02 <u>Recipient(s)</u> TOWER, STEVE	Submits the attached [000014] Reconnaissance Level Characterization Report (RLCR) 444 Cluster Closure Project, Buildings 444, 445, 447, 448, 450, 451 & 455, Revision 0 dated September 5, 2002 for review and approval.
B444 A 000014 09/05/2002 328 Pages PUBLIC	YES, ROUTINE <u>Author(s)</u> NOT INDICATED	Ref: 02-RF-01958; DWF-080-02 <u>Recipient(s)</u> DISTRIBUTION	Reconnaissance Level Characterization Report (RLCR) 444 Cluster Closure Project, Buildings 444, 445, 447, 448, 450, 451, and 455, Revision 0 September 5, 2002 [Type 2]- This report characterizes the physical, chemical and radiological hazards associated with these facilities, summarizes the characterization activities, defines the Data Quality Objectives (DQOs) developed for this characterization, and presents the data quality assessment, verification and validation of results.
B444 A 000015 12/04/2002 3 Pages PUBLIC	YES, ROUTINE <u>Author(s)</u> FREIBOTH, C. J.	N/A <u>Recipient(s)</u> HINDMAN, JAMES	Purpose of Contact: Discusses the Colorado Department of Public Health and Environment (CDPHE) concurrence on the Work Package T0110698 - Remove Process Waste Equipment from Building 444 Cold Side.

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ROCKY FLATS ENVIRONMENTAL TECHNOLOGY SITE
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<u>Doc. No. / Date</u>	<u>Routine</u>	<u>Internal Code</u>	<u>Title / Subject</u>
<u>B444 A 000016</u> 12/02/2002 2 Pages PUBLIC	YES, ROUTINE <u>Author(s)</u> FREIBOTH, C. J.	N/A <u>Recipient(s)</u> HINDMAN, JAMES	Purpose of Contact: Discusses the Colorado Department of Public Health and Environment (CDPHE) contact regarding the Building 444 Complex Reconnaissance Level Characterization Report (RLCR), with specific questions and responses.
<u>B444 A 000017</u> 12/26/2002 3 Pages PUBLIC	YES, ROUTINE <u>Author(s)</u> FREIBOTH, C. J.	T0110528 <u>Recipient(s)</u> HINDMAN, JAMES	Purpose of Contact: Colorado Department of Public Health and Environment (CDPHE) concurrence on the dismantlement and removal of furnaces in Room 125 of Building 444, in accordance with Work Package T0110528.
<u>B444 A 000018</u> 12/26/2002 2 Pages PUBLIC	YES, ROUTINE <u>Author(s)</u> FREIBOTH, C. J.	T0110799-82 <u>Recipient(s)</u> HINDMAN, JAMES	Purpose of Contact: The Colorado Department of Public Health and Environment (CDPHE) concurs with the Work Package T0110799-82, re-route roof drain in Room 125 to accommodate removal of furnace in Room 125, Building 444.
<u>B444 A 000019</u> 12/26/2002 1 Pages PUBLIC	YES, ROUTINE <u>Author(s)</u> FREIBOTH, C. J.	T0110698 <u>Recipient(s)</u> HINDMAN, JAMES	Purpose of Contact: The Colorado Department of Public Health and Environment (CDPHE) concurs with the Work Package T0110698 - Remove Process Waste Equipment from Building 444 Cold Side Revision.
<u>B444 A 000020</u> 12/26/2002 2 Pages PUBLIC	YES, ROUTINE <u>Author(s)</u> FREIBOTH, C. J.	T0110799-65 <u>Recipient(s)</u> HINDMAN, JAMES	Purpose of Contact: The Colorado Department of Public Health and Environment (CDPHE) concurs with the Work Package T0110799-65 - Disconnect Mechanical Utilities to the Following Building 444 Outbuildings, B427, B427A, B449 and B449A (with the exception of west conex).

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<u>Doc. No. / Date</u>	<u>Routine</u>	<u>Internal Code</u>	<u>Title / Subject</u>
B444 A 000021 12/26/2002 2 Pages PUBLIC	YES, ROUTINE N/A <u>Author(s)</u> FREIBOTH, C. J.	<u>Recipient(s)</u> HINDMAN, JAMES	Purpose of Contact: The Colorado Department of Public Health and Environment (CDPHE) concurs with the Work Package T0110896 - Remove Diesel Exhaust and Asbestos Insulation in Building 427.
B444 A 000022 12/26/2002 2 Pages PUBLIC	YES, ROUTINE N/A <u>Author(s)</u> FREIBOTH, C. J.	<u>Recipient(s)</u> HINDMAN, JAMES	Purpose of Contact: The Colorado Department of Public Health and Environment (CDPHE) concurs with the Work Package T0110799-23 - Remove Temporary Wall in Front of Rollup Door No. 9 Outside of Room 109A and Door Jam Between Room 104 and 109A. (Contact Record does not identify Building 444?)
B444 A 000023 12/23/2002 1 Pages PUBLIC	YES, ROUTINE N/A <u>Author(s)</u> FREIBOTH, C. J.	<u>Recipient(s)</u> HINDMAN, JAMES	Purpose of Contact: The Colorado Department of Public Health and Environment (CDPHE) concurs on removal of Building 447, Room 404 Westinghouse Part Cleaning System and Monorail.
B444 A 000024 12/19/2002 2 Pages PUBLIC	YES, ROUTINE T0110799-24 <u>Author(s)</u> FREIBOTH, C. J.	<u>Recipient(s)</u> HINDMAN, JAMES	Purpose of Contact: The Colorado Department of Public Health and Environment (CDPHE) concurs with the Work Package T0110799-24 - Removal of Miscellaneous Items in Building 444 Addendum.
B444 A 000025 12/11/2002 1 Pages PUBLIC	YES, ROUTINE 02S0139 <u>Author(s)</u> FREIBOTH, C. J.	<u>Recipient(s)</u> HINDMAN, JAMES	Purpose of Contact: The Colorado Department of Public Health and Environment (CDPHE) requests copies of the analytical sample data for Building 453 in support of the Reconnaissance Level Characterization Report (RLCR).

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<u>Doc. No. / Date</u>	<u>Routine</u>	<u>Internal Code</u>	<u>Title / Subject</u>
B444 A 000026 12/02/2002 2 Pages PUBLIC	YES, ROUTINE <u>Author(s)</u> FREIBOTH, C. J.	T0110799-24 <u>Recipient(s)</u> HINDMAN, JAMES	Purpose of Contact: The Colorado Department of Public Health and Environment (CDPHE) concurs with Work Package T0110799-24 - Removal of miscellaneous items in Building 444, which consists of interior doors.
B444 A 000027 09/24/2002 1 Pages PUBLIC	YES, ROUTINE <u>Author(s)</u> FERRERA, DENNIS W.	02-RF-01957; DWF-079-02 <u>Recipient(s)</u> TOWER, STEVE	Submits the attached [000028] Reconnaissance Level Characterization Report (RLCR) 444 Cluster Closure Project, Buildings 427, 449, 449A, 449C, S449, 453, 454 and 457 Pad, Revision 0 dated September 23, 2002 for review and approval.
B444 A 000028 09/23/2002 117 Pages PUBLIC	YES, ROUTINE <u>Author(s)</u> NOT INDICATED	Ref: 02-RF-01957; DWF-079-02 <u>Recipient(s)</u> DISTRIBUTION	Reconnaissance Level Characterization Report (RLCR) 444 Cluster Closure Project, Buildings 427, 449, 449A, 449C, S449, 453, 454 and 457 Pad, Revision 0 September 23, 2002. This report characterizes the physical, chemical and radiological hazards associated with these facilities. Summarizes the characterization activities defines the Data Quality Objectives (DQO) developed for this characterization, and presents the data quality assessment, verification and validation of results.
B444 A 000029 12/24/2002 1 Pages PUBLIC	YES, ROUTINE <u>Author(s)</u> GUNDERSON, STEVE	00003-RF-03 <u>Recipient(s)</u> LEGARE, JOSEPH A.	The Colorado Department of Public Health and Environment (CDPHE) concurs with the Reconnaissance Level Characterization Report (RLCR) for the 444 Cluster Closure Project for Buildings 427, 449, 449C, S449, 454 and 457 Pad as Type 1 facilities. The Division also concurs with the Type 2 designation for Buildings 449A and 453 and in accordance with the protocols approved per the final Rocky Flats Cleanup Agreement (RFCA) consultative process.

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<u>Doc. No. / Date</u>	<u>Routine</u>	<u>Internal Code</u>	<u>Title / Subject</u>
B444 A 000030 01/09/2003 2 Pages PUBLIC	YES, ROUTINE <u>Author(s)</u> FREIBOTH, C. J.	N/A <u>Recipient(s)</u> HINDMAN, JAMES	Purpose of Contact: Discusses the Colorado Department of Public Health and Environment (CDPHE) concurrence on Work Package T0110799-35, Decontamination and Decommissioning (D&D) the following Building 444 Outbuildings: B427, B427A, B449, S449 and Paint Shack east of Outbuilding.
B444 A 000031 01/08/2003 1 Pages PUBLIC	YES, ROUTINE <u>Author(s)</u> FREIBOTH, C. J.	N/A <u>Recipient(s)</u> HINDMAN, JAMES	Purpose of Contact: Notification of electrical disconnects associated with Building 453 and Room 9A Tank Rinse to the Colorado Department of Public Health and Environment (CDPHE).
B444 A 000032 01/14/2003 7 Pages PUBLIC	YES, ROUTINE <u>Author(s)</u> GIBBS, FRANK E.	03-RF-00056; FEG-002-03 <u>Recipient(s)</u> TOWER, STEVE	Encloses a draft transmittal letter to the Colorado Department of Public Health and Environment (CDPHE) for the Rocky Flats Cleanup Agreement Standard Operating Protocol (RSOP) Notification for Building 444 Cluster Closure Project, Buildings 444, 445, 447, 448, 450, 451, and 455 Component Removal, Size Reduction and Decontamination.
B444 A 000033 01/14/2003 19 Pages PUBLIC	YES, ROUTINE <u>Author(s)</u> GIBBS, FRANK E.	03-RF-00057; FEG-003-03 <u>Recipient(s)</u> TOWER, STEVE	Encloses a draft transmittal letter to the Colorado Department of Public Health and Environment (CDPHE) for the Rocky Flats Cleanup Agreement Standard Operating Protocol (RSOP) Notification for Component Removal, Size Reduction and Decontamination for RFCA Unit 39 and 40 Final Closure in Building 444 and 447.
B444 A 000034 01/13/2003 2 Pages PUBLIC	YES, ROUTINE <u>Author(s)</u> SCHIEFFELIN, JOE	00024-RF-03 <u>Recipient(s)</u> LEGARE, JOSEPH A. NESTA, STEVE	Provides conditional approval of Closure Description Document (CDD) for Partial Closure of Unit 40, Acid Waste System and Cyanide Waste System in Buildings 444 and 447.

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<u>Doc. No. / Date</u>	<u>Routine</u>	<u>Internal Code</u>	<u>Title / Subject</u>
B444 A 000035 01/30/2003 10 Pages PUBLIC	YES, ROUTINE <u>Author(s)</u> DISALVO, RICHARD	03-DOE-00066; 00062-RF-03 <u>Recipient(s)</u> GUNDERSON, STEVE	Forwards the enclosed Rocky Flats Cleanup Agreement Standard Operating Protocol (RSOP) for Component Removal Notification Form for Building 444 Cluster, which includes 444, 445, 447, 448, 450, 451 and 455. This letter and its enclosures are notification for RSOP implementation.
B444 A 000036 02/03/2003 3 Pages PUBLIC	YES, ROUTINE N/A <u>Author(s)</u> FREIBOTH, C. J.	<u>Recipient(s)</u> HINDMAN, JAMES	Purpose of Contact: Discusses the Colorado Department of Public Health and Environment (CDPHE) concurrence on performing Cooling Water Draining from the Building 444 Complex in accordance with Work Package T0110799-140.
B444 A 000037 02/06/2003 19 Pages PUBLIC	YES, ROUTINE <u>Author(s)</u> DISALVO, RICHARD	03-DOE-00067; 00098-RF-03 <u>Recipient(s)</u> GUNDERSON, STEVE	Forwards the enclosed Notification for Rocky Flats Cleanup Agreement Standard Operating Protocol (RSOP) implementation. This notification is for RCRA Unit Closure for RCRA Units 39 and 40 in Buildings 444 and 447.
B444 A 000038 02/05/2003 8 Pages PUBLIC	YES, ROUTINE <u>Author(s)</u> DISALVO, RICHARD	03-DOE-00102; 00087-RF-02 <u>Recipient(s)</u> GUNDERSON, STEVE	Forwards the enclosed results of the follow-up investigation to find Beryllium (Be) in samples taken in Building 449A and the post-decontamination Be samples taken in Building 453.
B444 A 000039 02/07/2002 8 Pages PUBLIC	YES, ROUTINE <u>Author(s)</u> GIBBS, FRANK E.	03-RF-00247; FEG-006-03 <u>Recipient(s)</u> TOWER, STEVE	Notification to invoke the Rocky Flats Cleanup Agreement Standard Operating Protocol (RSOP) for demolition of Buildings 449A and 453.

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<u>Doc. No. / Date</u>	<u>Routine</u>	<u>Internal Code</u>	<u>Title / Subject</u>
B444 A 000040 02/10/2003 7 Pages PUBLIC	YES, ROUTINE <u>Author(s)</u> DISALVO, RICHARD	03-DOE-00175; 00110-RF-03 <u>Recipient(s)</u> GUNDERSON, STEVE	Constitutes the Rocky Flats Cleanup Agreement Standard Operating Protocol (RSOP) for Facility Disposition Notification for Buildings 449A and 453. Encloses the facility descriptions, administrative record requirements list, and the schedule for demolition for these two buildings.
B444 A 000041 02/11/2003 1 Pages PUBLIC	YES, ROUTINE <u>Author(s)</u> GUNDERSON, STEVE	00140-RF-03 <u>Recipient(s)</u> DISALVO, RICHARD	The Colorado Department of Public Health and Environment (CDPHE) concurs that the characterization of Building 449A (except for the Beryllium (Be) contaminated cargo container on the west side of this structure), and Building 453 meet the requirements of a Pre-Demolition Survey (PDS) and that these buildings meet the unrestricted release criteria specified in the Rocky Flats Cleanup Agreement Standard Operating Protocol (RSOP) Disposition. Demolition of Buildings 449A and 453 may proceed in accordance with the requirements of the RSOP for Facility Disposition.
B444 A 000042 02/18/2003 1 Pages PUBLIC	YES, ROUTINE <u>Author(s)</u> FREIBOTH, C. J.	T0110799-155 <u>Recipient(s)</u> HINDMAN, JAMES	Purpose of Contact: Gives dates on the Colorado Department of Public Health and Environment (CDPHE) concurrence for fogging the Beryllium (Be) Shop with Fixative in Building 444 in accordance with Work Package T0110799-155.
B444 A 000043 02/26/2003 1 Pages PUBLIC	YES, ROUTINE <u>Author(s)</u> FREIBOTH, C. J.	T0110799-148 <u>Recipient(s)</u> HINDMAN, JAMES	Purpose of Contact: On February 26, 2003 the Colorado Department of Public Health and Environment (CDPHE) was notified that electrical disconnects associated with the Building 444 Steigerwald Welder and Inertia Welder would be initiated using Work Package T0110799-148.

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<u>Doc. No. / Date</u>	<u>Routine</u>	<u>Internal Code</u>	<u>Title / Subject</u>
B444 A 000044 03/06/2003 1 Pages PUBLIC	YES, ROUTINE <u>Author(s)</u> GUNDERSON, STEVE	00261-RF-03; Ref: 03-DOE-00066; 00062-RF-03 <u>Recipient(s)</u> DISALVO, RICHARD	The Colorado Department of Public Health and Environment (CDPHE) agrees with utilization of the Rocky Flats Cleanup Agreement Standard Operating Protocol (RSOP) for Facility Component Removal, Size Reduction, and Decontamination Activities for Buildings 444, 445, 448, 450, 451 and 455.
B444 A 000046 04/08/2003 6 Pages PUBLIC	YES, ROUTINE <u>Author(s)</u> FREIBOTH, C. J.	T0110669 <u>Recipient(s)</u> HINDMAN, JAMES	Purpose of Contact: Discusses the Colorado Department of Public Health and Environment (CDPHE) concurrence in Work Package T0110699, Building 444 Remove Process Waste Equipment from Hot Side.
B444 A 000047 04/01/2003 3 Pages PUBLIC	YES, ROUTINE <u>Author(s)</u> FREIBOTH, C. J.	T0111132 <u>Recipient(s)</u> HINDMAN, JAMES	Purpose of Contact: Discusses the approval from the Colorado Department of Public Health and Environment (CDPHE) on the Work Package T0111132, which consists of the removal of the Beryllium (Be) Shop Ventilation System in Building 444, Rooms 106 and 107.
B444 A 000049 05/09/2003 2 Pages PUBLIC	YES, ROUTINE <u>Author(s)</u> GUNDERSON, STEVE	00459-RF-03 <u>Recipient(s)</u> DISALVO, RICHARD	Notification to invoke the Rocky Flats Cleanup Agreement Standard Operating Protocol (RSOP) for Facility Component Removal, Size Reduction, and Decontamination Activities for Closure of portions of Resource Conservation and Recovery Act (RCRA) Units 39 and 40 located in Buildings 444 and 447.
B444 A 000050 07/15/2003 1 Pages PUBLIC	YES, ROUTINE <u>Author(s)</u> GIBBS, FRANK E.	03-RF-01036; FEG-018-03 <u>Recipient(s)</u> TOWER, STEVE	Submits the attached [000051, 000052, 000053, 000054] Closeout Reports for Type 1 facilities Building 427, 427A, 449, 449C and S449.

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<u>Doc. No. / Date</u>	<u>Routine</u>	<u>Internal Code</u>	<u>Title / Subject</u>
B444 A 000051 07/11/2003 5 Pages PUBLIC	YES, ROUTINE <u>Author(s)</u> NOT INDICATED	Ref: 03-RF-01036; FEG-018-03 <u>Recipient(s)</u> DISTRIBUTION	Type 1 Facility Closeout Report for Building 427 (including 427A) - Emergency Generator Building and Diesel Storage Tank for Building 444 in the 444 Cluster Area 3.
B444 A 000052 07/11/2003 4 Pages PUBLIC	YES, ROUTINE <u>Author(s)</u> NOT INDICATED	Ref: 03-RF-01036; FEG-018-03 <u>Recipient(s)</u> DISTRIBUTION	Type 1 Facility Closeout Report for Building 449 - Oil and Paint Storage Building in the 444 Cluster Area 3.
B444 A 000053 07/11/2003 4 Pages PUBLIC	YES, ROUTINE <u>Author(s)</u> NOT INDICATED	Ref: 03-RF-01036; FEG-018-03 <u>Recipient(s)</u> DISTRIBUTION	Type 1 Facility Closeout Report for Building 449C - Carpenter Shop 444 Cluster Area 3.
B444 A 000054 07/11/2003 4 Pages PUBLIC	YES, ROUTINE <u>Author(s)</u> NOT INDICATED	Ref: 03-RF-01036; FEG-018-03 <u>Recipient(s)</u> DISTRIBUTION	Type 1 Facility Closeout Report for Building S449 - Maintenance Storage, 444 Cluster Area 3.
B444 A 000055 08/13/2003 1 Pages PUBLIC	YES, ROUTINE <u>Author(s)</u> FERRERA, DENNIS W.	03-RF-01212; DWF-055-03 <u>Recipient(s)</u> TOWER, STEVE	Submits the attached [000056] Final Project Closeout Report for Building 449A dated August 11, 2003. This report is submitted to document completion of Deactivation and Decommissioning activities for Building 449A. Attached is a letter from the Colorado Department of Public Health and Environment (CDPHE) concurring with the Type 2 designation dated December 24, 2002 and a Contact Record discussing the concurrence dated January 9, 2003.

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<u>Doc. No. / Date</u>	<u>Routine</u>	<u>Internal Code</u>	<u>Title / Subject</u>
B444 A 000056 08/11/2003 31 Pages PUBLIC	YES, ROUTINE <u>Author(s)</u> NOT INDICATED	Ref. 03-RF-01212; DWF-055-03 <u>Recipient(s)</u> DISTRIBUTION	Final Project Closeout Report for Building 449A August 11, 2003 - This report includes Appendix 1, Rocky Flats Environmental Technology Site (RFETS/Site) Final Closeout Report Plot Plan, Appendix 2, Declaration of Excess and Appendix 3, B449A Reconnaissance Level Characterization Report (RLCR). Appendix 4 consists of B449A Follow Up Investigation Sampling for Beryllium (Be) and Appendix 5, Regulatory Contact Records and Demolition Approval Notice. Attached is a letter from the Colorado Department of Public Health and Environment (CDPHE) concurring with the Type 2 designation dated December 24, 2002 and a Contact Record discussing the concurrence dated January 9, 2003.
B444 A 000060 02/17/2004 1 Pages PUBLIC	YES, ROUTINE <u>Author(s)</u> GIBBS, FRANK E.	04-RF-00193; FEG-008-04 <u>Recipient(s)</u> MORGAN, GARY	Submits the attached Closeout Reports for Type 1 facilities 454 Cooling Tower [000061] and 457 Cooling Tower [000062].
B444 A 000066 02/18/2004 1 Pages PUBLIC	YES, ROUTINE N/A <u>Author(s)</u> FREIBOTH, C. J.	<u>Recipient(s)</u> HINDMAN, JAMES	Purpose of Contact: State Colorado Department of Public Health and Environment (CDPHE), Concurrence on Work Package T01112178, Install Two Doors in Room 101 (West Wall), Building 444. On February 12, 2004, at 1530, during a Building 444 focus meeting, a copy of Work Package T01112178 was provided to the State (Hindman) for review and concurrence.
B444 A 000067 03/11/2004 1 Pages PUBLIC	YES, ROUTINE N/A <u>Author(s)</u> FREIBOTH, C. J.	<u>Recipient(s)</u> KRUCHEK, DAVID	Purpose of Contact: Disposition of Embedded Unistrut, Electrical Conduit and Outlet Receptacles, and Boxes, Building 444 Complex. On March 11, 2004, at 1445, during a building 444 Complex focus meeting, a discussion was held with Colorado Department of Public Health and Environment (CDPHE), regarding the appropriate disposition of embedded unistrut, electrical conduit and outlet receptacles, and junction

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<u>Doc. No. / Date</u>	<u>Routine</u>	<u>Internal Code</u>	<u>Title / Subject</u>
B444 A 000073 08/26/2004 2 Pages PRELIM	YES, ROUTINE <u>Author(s)</u> FREIBOTH, C. J.	N/A <u>Recipient(s)</u> KRUCHEK, DAVID	Purpose of Contact: On August 26, 2004, at 1500, during a Building 444 Complex focus meeting was held with the State regarding the radiological and beryllium final Pre-Demolition Survey (PDS) data for Building 448. The Building 444 Complex then requested authorization to remove Transite panels exterior to Building 444, which would physical create a separation between Building 444 and 448, in preparation for demolition of Building 448. It also is being removed to prevent damage to the panels during demolition of Building 448.
B444 A 000078 09/22/2004 2 Pages PRELIM	YES, ROUTINE <u>Author(s)</u> FREIBOTH, C. J.	N/A <u>Recipient(s)</u> KRUCHEK, DAVID	Purpose of Contact: At various Building 444 Meetings with the State and US Department of Energy (DOE), the activity to remove the portion of the roof that cover Room 9A of Building 444 has been presented. This roof is located on the southeast corner of Building 444 near the Building 450 plenum structure. The removal of this roof would allow for the lowering of 20-foot cargo containers into an area connected to the basement of Building 444.
B444 A 000099 10/27/2004 2 Pages PRELIM	YES, ROUTINE <u>Author(s)</u> FREIBOTH, C. J.	N/A <u>Recipient(s)</u> KRUCHEK, DAVID	Purpose of Contact: Building 444, Room 116, Transite Pane Removal. On October 21, 2004, the Colorado Department of Public Health and Environment (CDPHE) was contacted to request concurrence to remove the glass and Transite windowpanes in Building 444, Room 124. The purpose of the removal was to replace the panes with sliding wood structures ("doors") that can be slide open so that waste can be removed from the building through the resultant opening. After further evaluation, it was decided that a better opening would be created by removing the Transite panes from windows on the northeast side of Building 444, Room 116. In addition, an enclosure would be constructed around the windows to assist in contamination control

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<u>Doc. No. / Date</u>	<u>Routine</u>	<u>Internal Code</u>	<u>Title / Subject</u>
<p>B444 A 000100 11/24/2004 2 Pages PRELIM</p>	<p>YES, ROUTINE N/A <u>Author(s)</u> SHULER, KARL</p>	<p><u>Recipient(s)</u> KRUCHEK, DAVID</p>	<p>Purpose of Contact: The Rocky Flats Cleanup Agreement Standard Operating Protocol (RSOP) Notification Letter for Component Removal, Size Reduction, and Decontamination Activities (RSOP) for Resource Conservation and Recovery Act (RCRA) Unit 39 and 40 Final Closure in Building 444/447 states that RCRA Unit 40.04 (T2) and Unit 40.05 (T3) will be closed under Section 5.51.1, "Clean Closure". Rocky Flats Closure Site Services (RFCSS) would like to change the strategy to "closure by removal". The reinstatement did not exceed appropriate limits for RCRA, so the tank and its contents will be designated as Low-Level Waste (LLW).</p>
<p>B444 A 000103 12/15/2004 2 Pages PRELIM</p>	<p>YES, ROUTINE N/A <u>Author(s)</u> NESTA, STEVE</p>	<p><u>Recipient(s)</u> KRUCHEK, DAVID</p>	<p>Purpose of Contact: Demolition of the NW Annex of Building 444 is proposed. The Pre-Demolition Survey (PDS) for this area is being performed. Prior to demolition and to complete the PDS of this area the Transite panels along the Upper East Side of the NW Annex need to be removed.</p>
<p>B444 A INFO 01/01/1900 1 Pages PUBLIC</p>	<p>YES, ROUTINE N/A <u>Author(s)</u> NOT INDICATED</p>	<p><u>Recipient(s)</u> ADMINISTRATIVE RECORD</p>	<p>Information Only Entry: The Building 444 Cluster Closure Project involves the following buildings: 427, 444, 445, 447, 448, 449, 450, 451, 453, 454, 455, and 457. Buildings 427A and T444A were originally part of the Cluster but were previously removed. Part of all of the following Individual Hazardous Substance Sites IHSS are within the area of this Cluster: 116.1, 121, 136.2, 157.2, 189, 208, 116.2, 136.1, 147.1, 182.0, and 207. UBC-444, "Under Building Contamination Bldg. 444" is also within the area of the Cluster; there are 11 Resource Conservation Recovery Act (RCRA) Units.</p>

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<u>Doc. No. / Date</u>	<u>Routine</u>	<u>Internal Code</u>	<u>Title / Subject</u>
BZ A INFO 01/01/1992 0 Pages PUBLIC	YES, ROUTINE <u>Author(s)</u> ENVIRONMENTAL RESTOR	PAC 900-153; SW-A-000189 <u>Recipient(s)</u> DISTRIBUTION	<p>Information Only Entry: Historical Release Report (HRR) for the Rocky Flats Plant (RFP); January, 1992 - The 900 Area: Oil Burn Pit No. 2 - Drums containing oil contaminated with Uranium were burned in an open pit located north of Central Avenue and southeast of Building 991. These activities took place adjacent to the Mound (PAC 900-113). The oil burn pit was actually two trenches excavated parallel to each other. The oil in the drums was dumped into the pit and ignited. Oil was burned at night so smoke would not cause alarm. On the order of 80 drums of oil was burned in a typical month. The drums were reused by the originating buildings until they were flattened and buried in trenches onsite (PAC NE-110, and PAC NE-111). An October 1960 study stated that organic liquids were stored due to the lack of proper facilities to burn the wastes. In February 1961, a study performed by the Health Physics group assured the operators that open pit burning was safe. A second oil-burning pit was cut in November 1961 and may be a reference to the parallel trench. The materials contained in the drums were coolant, still bottoms, and waste oils from Building 444 and Building 881. Attempts were made to burn only non-radioactively contaminated oils. During a burning test on February 1961, a direct count value monitored from the test was three times as high as the value from the Building 881 stack on that day. This was considered acceptable because the burning occurred over a short period and would not materially add to the airborne activity released to the atmosphere.</p>
BZ A INFO 09/26/1997 0 Pages PUBLIC	YES, ROUTINE <u>Author(s)</u> ENVIRONMENTAL RESTOR	PAC NE-110; SW-A-002435; RF/RMRS-97-073.UN; 97-D <u>Recipient(s)</u> DISTRIBUTION	<p>Information Only Entry: Second Annual Update to the Historical Release Report (HRR) for the Rocky Flats Plant (RFP); August 1, 1996 through August 1, 1997 - Trench T-3, Individual Hazardous Substance Site PAC NE-110 (HIS 110). T-3 was used primarily for the disposal of sanitary</p>

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Doc. No. / Date	Routine	Internal Code	Title / Subject
<p>BZ A INFO 09/26/1997 0 Pages PUBLIC</p>	<p>YES, ROUTINE <u>Author(s)</u> ENVIRONMENTAL RESTOR</p>	<p>PAC 900-113; SW-A-002435; RF/RMRS-97-073.UN; 97- <u>Recipient(s)</u> DISTRIBUTION</p>	<p>Information Only Entry: Second Annual Update to the Historical Release Report (HRR) for the Rocky Flats Plant (RFP); August 1, 1996 through August 1, 1997 - Mound Area (IHSS 113; OU02). In April 1954, the mounding of contaminated combustible wastes from Building 444 was suggested as a method of disposal. Scraping a shallow trench, aligning drums in rows, and covering them with soil developed the Mound. The resulting burial site extending above initial ground level. Photographs from April 21, 1954 show the mounding of the first 869 drums of contaminated wastes from Building 444. Several drums had pinhole leaks at the time of burial in April 1954. Mounding activities continued until September 1958. Different sides of the Mound were opened periodically for disposition of drums. The burning of uranium contaminated oil became an acceptable method of disposal in 1959 and the mounding was discontinued. During the construction of the PSZ in 1981; several areas of contaminated soil were removed from the Mound area. Treatment began on August 5, 1997, utilizing Low Temperature Thermal Desorption. Treated soil was placed back into the Mound. This action was authorized by the Agency approved Proposed Action Memorandum (PAM) in February 1997. A source removal action was performed to excavate and treat contaminated material. The completion report details the treatment process and proposed as No Further Action (NFA) because operations to remove contaminated soil was completed within the reporting period.</p>

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<u>Doc. No. / Date</u>	<u>Routine</u>	<u>Internal Code</u>	<u>Title / Subject</u>
BZ A INFO 09/29/1999 0 Pages PUBLIC	YES, ROUTINE <u>Author(s)</u> ENVIRONMENTAL RESTOR	RF/RMRS-99-428.UN; SW-A-003379 <u>Recipient(s)</u> DISTRIBUTION	<p>Information Only Entry: Fourth Annual Update to the Historical Release Report (HRR) for the Rocky Flats Plant (RFP): August 1, 1998 through August 1, 1999 Revision 0 - Oil Burn Pit No. 2 (PAC 900-153). Drums containing oil contaminated with Uranium were burned in an open pit located north of Central Avenue and southeast of Building 991. These activities took place adjacent to the Mound (PAC 900-113). The oil burn pit was actually two trenches excavated parallel to each other. The oil in the drums was dumped into the pit and ignited. Oil was burned at night so smoke would not cause alarm. On the order of 80 drums of oil was burned in a typical month. The drums were reused by the originating buildings until they were flattened and buried in a trench on site (PAC NE-110, and PAC NE-111). An October 1960 study stated that organic liquids were stored due to the lack of proper facilities to burn the wastes. In February 1961, a study performed by the Health Physics group assured the operators that open pit burning was safe. A second oil-burning pit was cut in November 1961 and may be a reference to the parallel trench. The materials contained in the drums were coolant, still bottoms, and waste oils from Building 444 and Building 881. Attempts were made to burn only non-radioactively contaminated oils. During a burning test on February 1961, a direct count value monitored from the test was three times as high as the value from the Building 881 stack on that day. This was considered acceptable because the burning occurred over a short period and would not materially add to the airborne activity released to the atmosphere. Further characterization of IHSS-153 will be performed following D&D of the security fence and is reflected accordingly in the 2006 Baseline.</p>

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BZ A INFO 09/27/2001 0 Pages PUBLIC	YES, ROUTINE <u>Author(s)</u> ENVIRONMENTAL RESTOR	KH-01-901.UN; SW-A-004400 <u>Recipient(s)</u> DISTRIBUTION	Information Only Entry: Sixth Annual Update to the Historical Release Report (HRR) for the Rocky Flats Plant (RFP): August 1, 2000 through August 1, 2001 Revision 0 - Ash Pits (OU05) (SW-133.1, SW-133.2, SW-133.3, SW-133.4, SW-1701 and SW-1702). In 1970, four-burial sites were located south of the incinerator area (IHSS 133.5). These trenches were used for disposal of ash (and noncombustible trash from various sources) from the incinerator that operated from approximately 1952 until 1968. Noncombustible trash, such as counting discs, broken glassware and metal was collected in a nearby dumpster and later disposed of in the trenches. Two additional areas (PAC SW-1701 and SW-1702) were identified through aerial photographs and samples collected from boreholes in the immediate area. The Final Operable Unit OU05 Resource Conservation Recovery Act (RCRA) Facilities Investigation / Remedial Investigation (RFI/RI) Report summarized all data that have been collected and recommended that No Further Action (NFA) was warranted at OU05 on the Human Health Risk Assessment (HHRA). Upon review of the original data and additional groundwater data collected during the summer of 2001, justification for NFA was given.
BZ A INFO 09/01/2002 0 Pages PUBLIC	YES, ROUTINE <u>Author(s)</u> ENVIRONMENTAL RESTOR	KH-01-901.UN; SW-A-004672 <u>Recipient(s)</u> DISTRIBUTION	Information Only Entry: Seventh Annual Update to the Historical Release Report (HRR) for the Rocky Flats Plant (RFP): August 1, 2001 through August 1, 2002 Revision 0 - Ash Pits No. 2 and 4, Ghost Locations (PAC SW-133.2 and SW-133.4). In 1970, four-burial sites were located south of the incinerator area (IHSS 133.5). These trenches were used for disposal of ash (and noncombustible trash from various sources) from the incinerator that operated from approximately 1952 until 1968. Noncombustible trash, such

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CERCLA ADMINISTRATIVE RECORD - GENERAL QUERY**

There are 123 records in this set and a total of 3018 pages.

<u>Doc. No. / Date</u>	<u>Routine</u>	<u>Internal Code</u>	<u>Title / Subject</u>
<p>1108 A 000077 03/10/1997 38 Pages PUBLIC</p>	<p>YES, ROUTINE <u>Author(s)</u> BURMEISTER, MARK</p>	<p>MCB-005-97 <u>Recipient(s)</u> DISTRIBUTION</p>	<p>Proposed Action Memorandum (PAM) for the Source Removal at Trench 1 Individual Hazardous Substance Site (IHSS) 108 dated March 10, 1997, Preliminary Draft D, for review and comment.</p>
<p>IA A 000190 07/30/1999 48 Pages PUBLIC</p>	<p>YES, ROUTINE <u>Author(s)</u> NOT INDICATED</p>	<p>RF/RMRS-99-313 <u>Recipient(s)</u> DISTRIBUTION</p>	<p>Final Sampling and Analysis Plan (SAP) for the Decontamination and Decommissioning (D&D) Groundwater Monitoring of Buildings 444, 771, and 886, July 30, 1999. This SAP provides for the D&D groundwater monitoring of B444, B771 and B886 with respect to pre- and post-demolition hazardous and radiological site activities.</p>
<p>IA A 000208 07/30/1999 3 Pages PUBLIC</p>	<p>YES, ROUTINE <u>Author(s)</u> NOT INDICATED</p>	<p>RF/RMRS-99-313 <u>Recipient(s)</u> DISTRIBUTION</p>	<p>Rocky Flats Rocky Mountain Remediation Services (RF/RMRS) Document: Sampling and Analysis Plan (SAP) for the Decontamination and Decommissioning (D&D) Groundwater Monitoring of Buildings 444, 771, and 886, July 30, 1999. Changes to pages 25, 40 and Figure 1-2 of the above noted SAP are indicated by the August 16, 1999 vertical change bar in the left margin; the number of monitoring wells has been increased on Figure 1-2.</p>
<p>IA A 000214 05/20/1999 2 Pages PUBLIC</p>	<p>YES, ROUTINE <u>Author(s)</u> LEGARE, JOSEPH A.</p>	<p>99-DOE-03384 <u>Recipient(s)</u> GUNDERSON, STEVE REHDER, TIMOTHY</p>	<p>Transmits the copy of the Final Sampling and Analysis Plan (SAP) for the Decontamination and Decommissioning (D&D) Groundwater Monitoring of Buildings 444, 771, and 886, May, 1999. This SAP and program provides for the installation and development of pre-D&D monitoring wells, establishment of pre-D&D groundwater quality baseline conditions, and semiannual groundwater monitoring during the D&D process. Previous Kaiser-Hill Company, L.L.C. (K-H) and US Department of Energy, Rocky Flats Field Office (DOE/RFFO) review comments have been incorporated into the report.</p>

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<u>Doc. No. / Date</u>	<u>Routine</u>	<u>Internal Code</u>	<u>Title / Subject</u>
<u>IA A 000217</u> 03/26/1999 1 Pages PUBLIC	YES, ROUTINE <u>Author(s)</u> NORTH, KARAN	99-RF-01200; KN-041-99 <u>Recipient(s)</u> SCHIEFFELIN, JOE	Transmits the Documentation to Demonstrate Completion of T903 Drum Storage Area [Individual Hazardous Substance Site IHSS 112], 903 Lip Area (IHSS 155), and Americium Zone and Integrity Assessment of Process Waste Units 40.04 and 40.05 in Building 444, March 26, 1999 - This correspondence transmits supporting documentation to demonstrate the Kaiser-Hill Company, L.L.C. (K-H) Team completion of the Tank Integrity Assessments of Units 40.04 and 40.05 in B444 as attached. These Tank Integrity Assessments are due prior to March 30, 1999, and are consent order milestones.
<u>IA A 000223</u> 08/26/1999 6 Pages PUBLIC	YES, ROUTINE <u>Author(s)</u> LEGARE, JOSEPH A.	DOE-99-03464; 00950-RF-99 <u>Recipient(s)</u> GUNDERSON, STEVE	Discussion of the final resolution of comments to the Sampling and Analysis Plan (SAP) for the Decontamination and Decommissioning (D&D) Groundwater Monitoring of Buildings 444, 771, and 886, August 26, 1999. This discussion summarizes the results of the meeting held among the Rocky Flats Environmental Technology Site (RFETS) staff, US Environmental Protection Agency (EPA), Region VIII, and US Department of Energy, Rocky Flats Field Office (DOE/RFFO) on July 21, 1999. Also enclosed are the monitoring well location changes and page 25 of the SAP.
<u>IA A 000303</u> 06/09/1987 1 Pages PUBLIC	YES, ROUTINE <u>Author(s)</u> SETLOCK, DR. GEORGE H.	WS-LT-00114; DB28.41 <u>Recipient(s)</u> WADE, J. F.	Internal letter regarding the new waste stream in Building 444 could be treated in the Process Waste System within the Resource Conservation and Recovery Act (RCRA) Regulations. No major objections to treatment of this waste have been raised by responsible parties. A revision of the RCRA permit to include this waste for treatment is necessary. It will be necessary to ensure that this acidic waste is not placed in 444 waste lines that will combine this waste with cyanide bearing wastes.

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<u>Doc. No. / Date</u>	<u>Routine</u>	<u>Internal Code</u>	<u>Title / Subject</u>
<p>IA A 000381 03/28/1997 3 Pages PUBLIC</p>	<p>YES, ROUTINE <u>Author(s)</u> SCHIEFFELIN, JOE</p>	<p>CO7890010526 <u>Recipient(s)</u> MCANALLY, JAMES L.</p>	<p>Colorado Department of Public Health and Environment (CDPHE) submits Compliance Advisory Inspection for Buildings 444 and 447. A generator must conduct adequate hazardous waste determinations. Also batteries in Building 445 were not being managed in a permitted on interim status.</p>
<p>IA A 000442 01/31/1997 10 Pages PUBLIC</p>	<p>YES, ROUTINE <u>Author(s)</u> KONWINSKI, GARY R.</p>	<p>GRK-050-97 <u>Recipient(s)</u> WRAPP, JOHN</p>	<p>Rocky Mountain Remediation Services, L.L.C. (RMRS) submits information for the Colorado Department of Public Health and Environment (CDPHE) to determine waste characterization of painted masonry surfaces, the inventory of the Building 865 Pemacon and characterization data from the C&C Lathe located in B444.</p>
<p>IA A 000456 12/31/1997 15 Pages PUBLIC</p>	<p>YES, ROUTINE <u>Author(s)</u> SCHIEFFELIN, JOE</p>	<p>CO7890011526 <u>Recipient(s)</u> NORTH, KARAN</p>	<p>Colorado Department of Public Health and Environment (CDPHE) Hazardous Waste Management Division (HZMD) submits Coseout of the November 19 and November 20 Inspection of Building 444. The Division conducted a routine compliance evaluation inspection. Based upon review, all issues identified have been resolved and the Division does not intend to take any further action in response to this inspection. Hazardous Waste Inspection Report Attached.</p>
<p>IA A 000457 12/03/1997 55 Pages PUBLIC</p>	<p>YES, ROUTINE <u>Author(s)</u> KONWINSKI, GARY R.</p>	<p>GRK-355-97 <u>Recipient(s)</u> WRAPP, JOHN</p>	<p>Rocky Mountain Remediation Services, L.L.C. (RMRS) submits Response to Colorado Department of Public Health and Environment (CDPHE) Inspection of November 19 and 20, 1997. The inspection was conducted in Buildings 449, 439 and 444, which eight issues were documented. The first was failure to manage fluorescent light tubes in accordance with the satellite accumulation or 90 day regulations. The second, failure to mark two drums as used oil. The third, within 24 hours, move hazardous waste drum to Resource Conservation and Recovery Act (RCRA) Unit 2412, number four, provide documentation within 14 days, in the form of a US Department of Energy (DOE) requisition, mercury</p>

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<u>Doc. No. / Date</u>	<u>Routine</u>	<u>Internal Code</u>	<u>Title / Subject</u>
IA A 000737 03/29/1996 5 Pages PUBLIC	YES, ROUTINE <u>Author(s)</u> KONWINSKI, GARY R. LEITNER, RANDY M.	96-RM-TA-0074-KH; GRK-093-96 <u>Recipient(s)</u> PETER, K. G. SCHIEFFELIN, JOE TOWER, STEVE	Rocky Mountain Remediation Services, L.L.C. (RMRS) transmits Notification of Treatability Study (TS) of Silver Nitrate Destruction to Kaiser-Hill Company, L.L.C. (K-H), US Department of Energy (DOE), and the Colorado Department of Public Health and Environment (CDPHE). The Silver Nitrate Solution was generated from cleaning tools and fixtures in Building 444 silver processing operations. The TS will demonstrate a technology to recover silver metal and neutralize the resulting solution to treat the reactive characteristic.
IA A 000868 11/20/1991 240 Pages PUBLIC	YES, ROUTINE <u>Author(s)</u> NOT INDICATED	2100-WP-OU10.1 <u>Recipient(s)</u> DISTRIBUTION	Draft Final Phase I Resource Conservation Recovery Act (RCRA) Facilities Investigation / Remedial Investigation (RFI/RI) Work Plan (WP), Rocky Flats Plant (RFP), Operable Unit OU10: Other Outside Closures, Volume II; November 1991.
IA A 000869 04/14/1992 1 Pages PUBLIC	YES, ROUTINE <u>Author(s)</u> SINDELAR, TERRY J.	RFEV12-EDEN-EGRF-M-028 <u>Recipient(s)</u> NOT INDICATED	Transmits the Working/Review Copy of the Final Phase I Resource Conservation Recovery Act (RCRA) Facilities Investigation / Remedial Investigation (RFI/RI) Work Plan (WP) for Operable Unit OU10, Other Outside Closures April 1992, for internal review.
IA A 000870 04/15/1992 359 Pages PUBLIC	YES, ROUTINE <u>Author(s)</u> NOT INDICATED	2100-WP-OU10.1; Ref: RFEV12-EDEN-EGRF-M-028 <u>Recipient(s)</u> DISTRIBUTION	Review Copy of the Final Phase I Resource Conservation Recovery Act (RCRA) Facilities Investigation / Remedial Investigation (RFI/RI) Work Plan (WP) for Operable Unit OU10, Other Outside Closures, April 1992.
IA A 000903 03/12/1999 57 Pages PUBLIC	YES, ROUTINE <u>Author(s)</u> WHEELER, MARTIN	RF/RMRS-99-313.UN; 99-RF-00998; MW-032-99 <u>Recipient(s)</u> RODGERS, ALAN	Transmits the attached Sampling and Analysis Plan (SAP) for the Decontamination and Decommissioning (D&D) Groundwater Monitoring of Building 444, 771 and 886, Draft Revision 0, March 1999.

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<u>Doc. No. / Date</u>	<u>Routine</u>	<u>Internal Code</u>	<u>Title / Subject</u>
IA A 000904 09/20/2000 2 Pages PUBLIC	YES, ROUTINE N/A <u>Author(s)</u> GUNDERSON, STEVE	<u>Recipient(s)</u> LEGARE, JOSEPH A.	Group-B: The Division concurs with the Type 1 designation for T881A, B and T883A and B as identified in the Reconnaissance Level Characterization Report (RLCR), Revision 0 dated August 2, 2000. However, the Division does not concur with the Type 1 designation for T439A and D as identified in the RLCR for Group-B Facilities.
IA A 000905 05/12/1999 49 Pages PUBLIC	YES, ROUTINE RF/RMRS-00-313.UN: 99-RF-01871; MW-061-99 <u>Author(s)</u> WHEELER, MARTIN	<u>Recipient(s)</u> RODGERS, ALAN	Transmits the attached Sampling and Analysis Plan (SAP) for the Decontamination and Decommissioning (D&D) Groundwater Monitoring of Buildings 444, 771 and 886, Draft Final, Revision 0, May 1999.
IA A 000950 03/28/2002 3 Pages PUBLIC	YES, ROUTINE N/A <u>Author(s)</u> CAMERON, ALEC	<u>Recipient(s)</u> HINDMAN, JAMES ONYSKIW, DENISE M.	Contact Record: Discusses and reviews the overall plan for closure of the valve vault system in the 400 area. Also discusses alarm and inspection requirements for valve vaults.
IA A 000972 04/24/2002 3 Pages PUBLIC	YES, ROUTINE N/A <u>Author(s)</u> SCHIEFFELIN, JOE	<u>Recipient(s)</u> LEGARE, JOSEPH A. NESTA, STEVE	Conditional approval of Closure Description Document (CDD) for Partial Closure of Resource Conservation and Recovery Act (RCRA) Unit 374.3 - 400 Area Process Waste Transfer System.
IA A 001031 03/30/1995 124 Pages PUBLIC	YES, ROUTINE N/A <u>Author(s)</u> NOT INDICATED	<u>Recipient(s)</u> DISTRIBUTION	National Conversion Pilot Project Stage II, Interim Measures / Interim Remedial Action (IM/IRA) Decision Document (DD), Revision 4 March 30, 1995. The mission of this project is to explore and demonstrate the feasibility of economic conversion at the US Department of Energy (DOE) facilities. This is the conversion of facilities and equipment owned by the Federal government to production of goods by private firms for profit. The NCPP has been divided onto three stages, with decision points at the ends of Stages I and II and

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<u>Doc. No. / Date</u>	<u>Routine</u>	<u>Internal Code</u>	<u>Title / Subject</u>
<u>IA A 001038</u> 10/31/1994 700 Pages PUBLIC	YES, ROUTINE <u>Author(s)</u> NOT INDICATED	N/A <u>Recipient(s)</u> DISTRIBUTION	National Conversion Pilot Project Stage I, Final Technical Report Revision 2 October 31, 1994. The mission of the NCPP is to explore and demonstrate the feasibility conversion at US Department of Energy (DOE) facilities. The proposal challenges the DOE to convert its existing nuclear facilities into commercial manufacturing operations whereby DOE scrap metal can be recycled into products that can be used in the cleanup of DOE sites, and to do so using former DOE workers dislocated by defense cutbacks.
<u>IA A 001076</u> 09/30/2002 1 Pages PUBLIC	YES, ROUTINE <u>Author(s)</u> BUTLER, J. LANE	02-RF-02154; JLB-057-02 <u>Recipient(s)</u> DISALVO, RICHARD	Submits the attached [001077] Industrial Area (IA) Characterization and Remediation Strategy FY02 Update Appendix C, September 2002. This document is an end-of-year requirement, but there is no requirement for Regulatory Agency review or approval.
<u>IA A 001077</u> 09/01/2002 40 Pages PUBLIC	YES, ROUTINE <u>Author(s)</u> NOT INDICATED	Ref: 02-RF-02154; JLB-057-02 <u>Recipient(s)</u> DISTRIBUTION	Industrial Area (IA) Characterization and Remediation Strategy FY02 Update Appendix C, September 2002 - This report was developed to provide a roadmap for final closure of the Rocky Flats Environmental Technology Site (RFETS/Site). IA to ensure integration of remediation activities, including facility decommissioning, characterization, remediation and Regulatory Agency and stakeholder participation. This is being incorporated as Appendix C of the IA strategy for October 1, 2001 through September 30, 2002.
<u>IA A 001138</u> 09/01/2002 41 Pages PUBLIC	YES, ROUTINE <u>Author(s)</u> NOT INDICATED	PADC-1999-02570 <u>Recipient(s)</u> DISTRIBUTION	Industrial Area (IA) Characterization and Remediation Strategy FY02 Update, Appendix C September 2002 - This FY02, October 1, 2001 through September 30, 2002 IA Strategy Update describes progress on components and changes to the IA Strategy and the major accomplishments.

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IA A 001174 11/19/2002 1 Pages PUBLIC	YES, ROUTINE <u>Author(s)</u> SCHIEFFELIN, JOE	00824-RF-02 <u>Recipient(s)</u> NESTA, STEVE	The Colorado Department of Public Health and Environment (CDPHE) approves the extension request for Partial Closure of Hazardous Waste Unit 374.3, known as the 400 area Process Waste Transfer System. This includes the process waste line connecting valve vault 13 to valve vault 14, valve vault 14 through 20, Building 428, Tank D-835, all process waste line between originating from Buildings 122, 428, 443, 444, 447 and 460.
IA A 001589 07/11/2003 6 Pages PUBLIC	YES, ROUTINE <u>Author(s)</u> NOT INDICATED	Ref: 03-DOE-01017; 00768-RF-03; FEG-018-03 <u>Recipient(s)</u> DISTRIBUTION	Type 1 Facility Closeout Report for Building 427 (including 427A) - Emergency Generator Building and Diesel Storage Tank for Building 444.
IA A 001590 07/11/2003 5 Pages PUBLIC	YES, ROUTINE <u>Author(s)</u> NOT INDICATED	Ref: 03-DOE-01017; 00768-RF-03; FEG-018-03 <u>Recipient(s)</u> DISTRIBUTION	Type 1 Facility Closeout Report for Building 449 - Oil and Paint Storage Building.
IA A 001591 07/11/2003 3 Pages PUBLIC	YES, ROUTINE <u>Author(s)</u> NOT INDICATED	Ref: 03-DOE-01017; 00768-RF-03; FEG-018-03 <u>Recipient(s)</u> DISTRIBUTION	Type 1 Facility Closeout Report for Building 449C - Carpenter Shop
IA A 001753 10/21/2003 1 Pages PUBLIC	YES, ROUTINE <u>Author(s)</u> PRIMROSE, ANNETTE L.	N/A <u>Recipient(s)</u> KRUCHEK, DAVID	Purpose of Contact; A lead exceedance in the sub slab soil was found during the recent Under Building Contaminant (UBC) investigation at Building 444. This soil sample was collected in an area where the floor was painted yellow. Subsequent analysis of the paint determined that this lead-base paint. The lead exceedance in the soil is potentially a result of cross contamination of the soil by the paint during

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<u>IA A 001852</u> 12/04/2003 1 Pages PUBLIC	YES, ROUTINE <u>Author(s)</u> GUNDERSON, STEVE	01091-RF-03 <u>Recipient(s)</u> LEGARE, JOSEPH A.	<p>The Colorado Department of Public Health and Environment (CDPHE) Hazardous Material (HM) and Waste Management (WM) Division (the "Division") has reviewed the Building 444/447 furnace removal work packages attached to two separate letters from received on October 23, 2003 and November 19, 2003. These work packages were submitted for Division approval as required by the Division's November 14, 2002 concurrence letter for the typing of Building 444/447 as a type 2 facility. The work package describe how the Rocky Flats Environmental Technology Site (RFETS/Site) facility plans to disconnect, dismantle and remove the following items:</p>
<u>IA A INFO</u> 01/01/1992 0 Pages PUBLIC	YES, ROUTINE <u>Author(s)</u> NOT INDICATED	PAC 000-121; SW-A-000189 <u>Recipient(s)</u> FILE	<p>Information Only Entry: Historical Release Report (HRR) for the Rocky Flats Plant (RFP); January, 1992 - The 000 Area: Original Process Waste Lines (OPWL) (PAC 000-121). The OPWL are a network of tanks and underground pipelines constructed to transport and temporarily store Aqueous chemical and radioactive process wastes from point of origin to on-site treatment and discharge points. The system handled process wastes from buildings 123, 444, 707, 771, 776, 779, 865, 881, 83, 889, 122, and 441. Depending on the level of radioactivity and chemical composition, process wastes were routed to b774 for treatment, Pond B-2, or the Solar Evaporation Ponds (SEP). Process waste held in B-2 was also pumped to Pond A-2 for storage during the mid-1970s. As defined in the 1988 OPWL Closure Plan, the OPWL consists of approximately 35,000 feet of pipeline and 39 separate tank locations which house a total of 73 tanks. OPWL tanks and pipelines exist in RFP areas 100, 400, 500, 600, 700, 800, and 900, the SEPs, and the northeast Buffer Zone (BZ) between the 900 Area and holding Pond B-2. The level of detail provided in documentation of known pipeline</p>

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<p>IA A INFO 01/01/1992 0 Pages PUBLIC</p>	<p>YES, ROUTINE <u>Author(s)</u> NOT INDICATED</p>	<p>N/A; SW-A-000189 <u>Recipient(s)</u> FILE</p>	<p>Information Only Entry: Historical Release Report (HRR) for the Rocky Flats Plant (RFP); January, 1992 - The 600 Area is located in the south-central portion of the RFP. The more important buildings and features in this area are as follows: Feature 218 consists of two Nitric Acid Tanks; 221 and 224 are Number 6 Diesel Fuel Oil Storage Tanks. The B444 Parking Lot is now a paved area but was previously used for storage of waste boxes and drums; B662 and B663 are currently used for electrical maintenance, offices and warehousing. The cement slab foundations of these buildings were used in earlier years for the staging of waste drums. Building 664 is used for the storage, staging, loading and shipping of radioactive wastes. Building 668 is used for the inspection, labeling and numbering of new drums.</p>
<p>IA A INFO 01/01/1992 0 Pages PUBLIC</p>	<p>YES, ROUTINE <u>Author(s)</u> ENVIRONMENTAL RESTOR</p>	<p>Ref: SW-A-000189 <u>Recipient(s)</u> DISTRIBUTION</p>	<p>Information Only Entry: Historical Release Report (HRR) for the Rocky Flats Plant (RFP); January, 1992 - Under Building Contamination UBC 439, 440, 444, and 447. This Record provides the description(s) of some of the events that may have led to UBC. The identified events are not intended to be complete, but are rather intended to be representative of events that have occurred which may have led to UBC. A May 1960 Vacuum Collector fire in Building 447, and a December 1962 Uranium / Beryllium (U/Be) release from B444 have impacted much of the 400 Area. Thus, 439, 440, 444, and 447 must be considered radioactively infiltrated to some degree, as should the footings and foundations of these buildings. No documentation was found detailing the fate of constituents released to the environment.</p>

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IA A INFO	YES, ROUTINE	Ref: SW-A-000189	<p>Information Only Entry: Historical Release Report (HRR) for the Rocky Flats Plant (RFP); January, 1992 - Under Building Contamination UBC 444. This Record provides the description(s) of some of the events that may have led to UBC. The identified events are not intended to be complete, but are rather intended to be representative of events that have occurred which may have led to UBC. Building 444 houses General Fabrication Operations. These operations include machining, casting, and other related ops. Use of this building began in 1953. The Sewage Treatment Plant received a greenish substance, which was tracked to B444 and an incident involving the overflow of a hazardous waste tank by Chromic Acid Solution on February 22, 1989. This incident resulted in the filing of a Resource Conservation and Recovery Act (RCRA) Contingency Plan Implementation Report (89-001). It was discovered that the Continuous Flow Fabric Filter in Room 1 was overflowing. Low-level radioactively contaminated liquid spilled onto the floor in the area of the filter - RCRA CPI Report 89-010. A 65-gallon spill of process wastewater occurred in Rm. 1 at a temporary bypass for a filter - RFCA CPI Report 89-014. Approximately 2,000 gallons of process waste water leaked from a Fume Scrubber Tank in Rm. 204 - RFCA CPI Report 89-017. Water used in the suppression of a fire in Rm. 245 flooded the floor and several baths containing Gold Cyanide Plating Solution, Sulfuric Acid, Hydrochloric Acid, and Nickel. The water then ran through floor drains and overflowed waste tanks in rooms 9, 10, and 11 - RFCA CPI Report 90-005. No documentation was found detailing the fate of constituents released to the environment.</p>
01/01/1992	Author(s)	Recipient(s)	
0 Pages	ENVIRONMENTAL RESTOR	DISTRIBUTION	
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<p>IA A INFO 01/29/1993 0 Pages PUBLIC</p>	<p>YES, ROUTINE <u>Author(s)</u> ENVIRONMENTAL RESTOR</p>	<p>CPI 92-006; Ref: SW-A-000917 <u>Recipient(s)</u> DISTRIBUTION</p>	<p>Information Only Entry: First Quarterly Update to the Rocky Flats Plant (RFP) Historical Release Report (HRR): Id. TBD - Resource Conservation and Recovery Act (RCRA) Contingency Plan Implementation (CPI) Report 92-006. Reports an April 14, 1992 release of five to six gallons of accumulated liquids (Sump in B444/447). Laboratory analysis proved no RCRA regulated waste present, but operations of RCRA regulated tank system continued with "unfit-for-use" secondary containment.</p>
<p>IA A INFO 07/01/1994 0 Pages PRELIM</p>	<p>YES, ROUTINE <u>Author(s)</u> ENVIRONMENTAL RESTOR</p>	<p>CPI 94-007; SW-A-001193 <u>Recipient(s)</u> DISTRIBUTION</p>	<p>Information Only Entry: Eighth Quarterly Update to the Rocky Flats Plant (RFP) Historical Release Report (HRR), April 1, 1994 through June 30, 1994: Id. 400-814, Air Conditioner Compressor Release, Building 444. A Stationary Operating Engineer noticed the presence of oil under an air conditioning unit on the roof of Building 444. Upon further investigation of the compressor cabinet unit, the SOE found additional oil. The total volume detected totaled approximately two gallons. This oil was suspected to be contaminated with levels of cadmium and lead above Toxicity Characteristic Leaching Procedure (TCLP) regulatory limits based on results from laboratory samples previously taken from other air conditioning equipment. The source of the leak was determined to be a hole in a copper line to a pressure control device. The hole was at a point where another copper line crossed at a 90-degree angle between the two lines. An undetermined amount of Freon 22, a non-hazardous waste, was also released. The location of this spill is shown on Figure 2 following this narrative as well as on the Potential Area of Concern (PAC) map in Section 4.0.</p>

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<u>Doc. No. / Date</u>	<u>Routine</u>	<u>Internal Code</u>	<u>Title / Subject</u>
<u>IA A INFO</u> 01/01/1995 0 Pages PRELIM	YES, ROUTINE <u>Author(s)</u> ENVIRONMENTAL RESTOR	Ref: SW-A-001548 <u>Recipient(s)</u> DISTRIBUTION	<p>Information Only Entry: Tenth Quarterly Update to the Rocky Flats Plant (RFP) Historical Release Report (HRR), September 30, 1994 through December 31, 1994: Id. 900-1316, Elevated Chromium (total) Identified During Geotechnical Drilling. While conducting drilling prior to construction for a storage facility (Investigative Derived Material Storage Facility) at the Field Operations Yard located south and west of the 904 Pad, chromium (total) was detected in the drummed cuttings at levels above allowable RCRA limits (106 ppm and 120 ppm). Additional sampling was conducted on September 28, 1994 from six study pits excavated to a depth of six feet along the eastern perimeter of the proposed building foundation to provide additional information. Analytical date received October 5, 1994 show chromium levels below or at background. On October 19, 1994 one additional borehole was drilled approximately eighteen feet northwest of the southwest corner of the proposed building. Analytical data received October 26, 1994 conclude that chromium (total) was detected at 138 ppm and 347 ppm from two depths integrated composite sample intervals taken between six and eight feet and ten and one half and fourteen feet respectively. Volatile organics were not detected in any of the sampling events. The initial construction phase which included excavation to a depth of six feet for the building foundation wall was put on hold pending a Risk Assessment Screen using all available data. The assessment was completed on January 17, 1995.</p>
<u>IA A INFO</u> 09/26/1997 0 Pages PUBLIC	YES, ROUTINE <u>Author(s)</u> ENVIRONMENTAL RESTOR	PAC 600-189; SW-A-002435; RF/RMRS-97-073.UN; 97- <u>Recipient(s)</u> DISTRIBUTION	<p>Information Only Entry: Second Annual Update to the Historical Release Report (HRR) for the Rocky Flats Plant (RFP); August 1, 1996 through August 1, 1997 - Nitric Acid Tanks (IAG Name: Multiple Acid Spills) (IHSS 189; OU12). The 218 Acid Tanks, also known as the Building 218 Acid</p>

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<u>Doc. No. / Date</u>	<u>Routine</u>	<u>Internal Code</u>	<u>Title / Subject</u>
<p>IA A INFO 09/29/1999 0 Pages PUBLIC</p>	<p>Author(s) ENVIRONMENTAL RESTOR</p>	<p>RF/RMRS-99-428.UN; SW-A-003379 Recipient(s) DISTRIBUTION</p>	<p>Information Only Entry: Fourth Annual Update to the Historical Release Report (HRR) for the Rocky Flats Plant (RFP); August 1, 1998 through August 1, 1999 Revision 0 - Storm Drains (PAC 000-505). There are two hundred thirty-nine storm drains that provide site drainage from roads, parking lots, and other areas and discharge into the creeks and drainage's north and south of the Site. Footing Drains from site buildings also discharge to storm drains and were designed to convey surface water away from the Site, but unplanned accidental discharges have occurred. Various waste liquids from laundry and decontamination facilities, the analytical laboratory, radiography sinks and runoff from the Building 771 roof and ground areas were discharged into the B771 storm drain. Wash water from degreasing uranium parts near B991 and release of nitric acid/nitradd waste solution from B460 was reported. Release of miscellaneous materials into the storm drain of B446 occurred. Polychlorinated Biphenyl (PCB) runoff from Building 707, 776 and 444's courtyard have been reported. No documentation was found that detailed the fate of constituents from the above release to the environment. This PAC will be studied in accordance with the 206 Baseline in IA Group 000-3.</p>
<p>IA A INFO 09/28/2000 0 Pages PUBLIC</p>	<p>Author(s) ENVIRONMENTAL RESTOR</p>	<p>KH-00-900.UN; SW-A-004154 Recipient(s) DISTRIBUTION</p>	<p>Information Only Entry: Fifth Annual Update to the Historical Release Report (HRR) for the Rocky Flats Plant (RFP): August 1, 1999 through August 1, 2000 Revision 0 - Nitric Acid Tanks (IAG Name: Multiple Acid Spills) (PAC 600-189). The 218 Acid Tanks, also known as the Building 218 Acid Farm, have been used for the storage of nitric acid since 1952, and are assigned the facility No. 218. The tanks supplied acid to B771 and 883. On October 27, 1982, brown gas and a brown cloud were observed coming from the Acid Tank Farm. No documentation was found explaining the</p>

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<u>Doc. No. / Date</u>	<u>Routine</u>	<u>Internal Code</u>	<u>Title / Subject</u>
IA A INFO 03/01/2001 0 Pages PUBLIC	YES, ROUTINE (Ref: IA-A-000752, IASAP) <u>Author(s)</u> NOT INDICATED	<u>Recipient(s)</u> NOTE TO FILE	Information Only Entry: IA Group 400-3 consists of: Under Building Contaminant UBC 444: Fabrication Facility; UBC 447: Fabrication Facility; West Loading Dock, Building 447 (Operable Unit OU12, Individual Hazardous Substance Site IHSS 116.1, 400-116.1); Cooling Tower Pond West of B444 (OU12, IHSS 136.1, 400-136.1); Cooling Tower Pond East of B444 (OU12, IHSS 136.2, 400-136.2); Buildings 444 / 453 Drum Storage (OU10, IHSS 182, 400-182); Inactive B444 Acid Dumpster (OU10, IHSS 207, 400-207); Inactive B444 / 447 Waste Storage Site (OU10, IHSS 208, 400-208); Transformer, Roof of B447 (400-801); Beryllium Fire, B444 (400-810); Tank 4, Original Process Waste Lines (OPWL) Process Waste Pits (OU09, IHSS 121, 000-121); Tank 5, OPWL Process Waste Tanks (OU09, IHSS 121, 000-121); Tank 6, OPWL Process Waste Floor Sump and Foundation Drain Floor (OU09, IHSS 121, 000-121); South Loading Dock, B444 (OU12, IHSS 116.2, 400-116.2).
IA A INFO 09/27/2001 0 Pages PUBLIC	YES, ROUTINE KH-01-901.UN; SW-A-004400 <u>Author(s)</u> ENVIRONMENTAL RESTOR	<u>Recipient(s)</u> DISTRIBUTION	Information Only Entry: Sixth Annual Update to the Historical Release Report (HRR) for the Rocky Flats Plant (RFP): August 1, 2000 through August 1, 2001 Revision 0 - Nitric Acid Tanks (Multiple Acid Spills) (PAC 600-189). The 218 Acid Tanks, also known as the Building 218 Acid Farm, have been used for the storage of nitric acid since 1952, and are assigned the facility No. 218. The tanks supplied acid to B771 and 883. On October 27, 1982, brown gas and a brown cloud were observed coming from the Acid Tank Farm. No documentation was found explaining the incident. An overflow occurred on September 25, 1985, during a filling operation. The quantity if acid released was not documented. On June 28, 1986, the level probe in a Dumpster tank failed, causing a release of nitric acid to the safety overflow and onto the ground. Approximately one gallon of acid was released to

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<u>Doc. No. / Date</u>	<u>Routine</u>	<u>Internal Code</u>	<u>Title / Subject</u>
<u>IA A INFO</u> 02/04/2002 0 Pages PRELIM	<u>Author(s)</u> DELLAGUARDIA, GARY	N/A <u>Recipient(s)</u> NOTE TO FILE	Information Only Entry: Property Id. 444 - Manufacturing Building RISS D&D 444, RISS Area: 3; Group-N/A, Cluster: 444 Facility Grouping No.: FGN-20, Facility Area: 400, Facility Type: N/A Depleted Uranium Operations
<u>IA A INFO</u> 02/04/2002 0 Pages PRELIM	<u>Author(s)</u> DELLAGUARDIA, GARY	N/A <u>Recipient(s)</u> NOTE TO FILE	Note to File: Property Id. Tank 066 - Liquid Nitrogen Storage Tank (east of 444) RISS D&D Tank 066, RISS Area: 3; Group-N/A, Cluster: N/A Facility Grouping No.: FGN-20, Facility Area: 400, Facility Type N/A
<u>IA A INFO</u> 02/04/2002 0 Pages PRELIM	<u>Author(s)</u> DELLAGUARDIA, GARY	N/A <u>Recipient(s)</u> NOTE TO FILE	Note to File: Property Id. Tank 068 - Liquid Argon Storage Tank (east of 444) RISS D&D Tank 068, RISS Area: 3; Group-N/A, Cluster: N/A Facility Grouping No.: FGN-20, Facility Area: 400, Facility Type N/A
<u>IA A INFO</u> 02/04/2002 0 Pages PRELIM	<u>Author(s)</u> DELLAGUARDIA, GARY	N/A <u>Recipient(s)</u> NOTE TO FILE	Note to File: Property Id. Tank 070 - Liquid Nitrogen Storage Tank (east of 444) RISS D&D Tank 070, RISS Area: 3; Group-N/A, Cluster: N/A Facility Grouping No.: FGN-20, Facility Area: 400, Facility Type N/A
<u>IA A INFO</u> 09/05/2002 0 Pages PUBLIC	YES, ROUTINE <u>Author(s)</u> RISS, D&D GROUP	Ref: B444-A-000014; 02-RF-01958; DWF-080-02 <u>Recipient(s)</u> DISTRIBUTION	Information Only Entry: RISS / 444 Cluster Facility Characterization Historical Site Assessment (HSA) Report, January 1, 2002 - Building 444 is the Depleted Uranium and Beryllium Manufacturing Facility and operated from 1953 until 1994, when the majority of the processes ceased operations. During its history a variety of manufacturing operations and special projects occurred in Building 444 and its support structures. Building 444 and 447 used a variety of RCRA/CERCLA constituents in the Uranium and Beryllium

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SW A 001217 11/01/1994 210 Pages PUBLIC	YES, ROUTINE <u>Author(s)</u> NOT INDICATED	N/A <u>Recipient(s)</u> NOT INDICATED	Building histories for Buildings 371, 444, 447, 460, 707, 771, 776/777, 881, 883, and 991. Historical Release Report (HRR), November, 1994.
SW A 004226 01/25/2001 23 Pages PUBLIC	YES, ROUTINE <u>Author(s)</u> LEGARE, JOSEPH A.	01-DOE-00074 <u>Recipient(s)</u> GUNDERSON, STEVE REHDER, TIMOTHY	US Department of Energy (DOE) forwards the enclosed Rocky Flats Cleanup Agreement (RFCA) Implementation Rocky Flats Environmental Technology Site (RFETS/Site), Quarterly Status Report, First Quarter - Fiscal Year 2001. This report describes activities that occurred from October 2000 through December 2000, and future planned activities. This report is forwarded to the Colorado Department of Public Health and Environment (CDPHE) and the US Environmental Protection Agency (EPA). This report covers the Sitewide Activities and closures projects. It also covers the RFCA Milestones and Target Activities, Water Management and a list of Approved Decision Documents (DD).
SW A 004355 07/01/2001 148 Pages PUBLIC	YES, ROUTINE <u>Author(s)</u> NOT INDICATED	N/A <u>Recipient(s)</u> DISTRIBUTION	Draft Environmental Restoration (ER) Rocky Flats Cleanup Agreement Standard Operating Protocol (RSOP) for Routine Soil Remediation dated July 2001. This draft addresses routine remediation of soil and associated debris at Individual Hazardous Substance Sites (IHSSs), Potential Areas of Concern (PACs), Under Building Contaminant (UBC) sites and other areas, as necessary.
SW A 004538 04/04/1991 1 Pages PUBLIC	YES, ROUTINE <u>Author(s)</u> NOT INDICATED	Ref: 96-RM-TA-0081-KH; CCJ-103-96 <u>Recipient(s)</u> DISTRIBUTION	Revised Part A Application combined hazardous waste, Low-Level Mixed Waste (LLMW), Transuranic / Transuranic Mixed (TRU/TRM) waste and Mixed Residue Units Revision 23. This document supports SW-A-004238

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SW A INFO 01/01/1992 0 Pages PUBLIC	YES, ROUTINE Author(s) NOT INDICATED	N/A; SW-A-000189 Recipient(s) FILE	<p>Information Only Entry: Historical Release Report (HRR) for the Rocky Flats Plant (RFP); January, 1992 - The 400 Area is located in the south central portion of the RFP. Some of the buildings are within an inner security fenced seclusion area. The more important buildings in this area are: B427, which houses an emergency electrical generator that is used only in the rare event of a power failure. B428 houses the tank and pump system used to store and transfer Aqueous wastes from B122 and B123 to B374, Waste Treatment. The pump also transfers Aqueous wastes from B444 to B374. The waste streams that enter the Vault Valve System associated with B428 include biological wastes, acids, bases, detergents and plating wastes. B440 was originally used as a production control warehouse. For the past few years, it has been used as a modification center for US Department of Energy (DOE) railroad cars and tractor-trailer vehicles. B441 was originally used as laundry for the cleaning of clothing. In approximately 1972, the laundry equipment was removed and the building was converted to its present use as a filter test facility. New High-Efficiency Particulate Air (HEPA) filters used in building exhaust ventilation systems and respirator cartridges are tested and certified in the building. B443 houses the steam generation plant. B444 is used for the manufacturing of depleted Uranium and Beryllium components. B445 houses graphite- and steel-cutting operations. B447 houses both assembly-related processes and waste-related processes. B453 is used for storage of new oils, grease, and other non-hazardous materials. The building was formerly a Resource Conservation and Recovery Act (RCRA) 90-day collection area for hazardous waste; however, it now houses only non-hazardous waste. B460 is used for the production of non-radioactive weapons components. The major activity</p>

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<div style="border: 1px solid black; display: inline-block; padding: 2px;">SW A INFO</div> 01/01/1992 0 Pages PUBLIC	YES, ROUTINE <u>Author(s)</u> NOT INDICATED	PAC 400-116.2; SW-A-000189 <u>Recipient(s)</u> FILE	<p>Information Only Entry: Historical Release Report (HRR) for the Rocky Flats Plant (RFP); January, 1992 - The 400 Area: South Loading Dock, Building 444 (Interagency Agreement (IAG) Name: South Loading Dock Area). Many incidents have contributed to possible contamination in this area. Constituents that may have contaminated the soil include enriched and depleted Uranium, Beryllium and Chlorinated Hydrocarbon Solvents. No documentation was found that details the fate of constituents released to the environment.</p>
<div style="border: 1px solid black; display: inline-block; padding: 2px;">SW A INFO</div> 01/01/1992 0 Pages PUBLIC	YES, ROUTINE <u>Author(s)</u> NOT INDICATED	PAC 400-157.2; SW-A-000189 <u>Recipient(s)</u> FILE	<p>Information Only Entry: Historical Release Report (HRR) for the Rocky Flats Plant (RFP); January, 1992 - The 400 Area: Radioactive Site, South Area. Building 444 was first occupied in 1953. Its function was mainly as a depleted Uranium foundry, a carbon machine shop and for Beryllium fabrication. Prior to 1973, the soils surrounding B444, B447, B440, and B439 were know to contain low levels of Uranium and chemical contamination. Building 439 and 440 also had possible infiltration of hydraulic oil and Carbon Tetrachloride (CCI) originating from the U machine tool storage area. Several operations associated with B444 have contributed to contamination in the area. The principal materials that have contributed to contamination in the area around B444 are depleted and enriched U. Be, chlorinated hydrocarbon solvents, Hydraulic Oil and CCI. No documentation was found that indicated cleanup of any of the minor incidents with the exception of the cleanup in 1960, which had no incident related to it. There was a large cleanup attempt after the B444 Plenum fire. No documentation was found which detailed the fate of constituents released to the environment.</p>

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<p>SW A INFO 01/01/1992 0 Pages PUBLIC</p>	<p>YES, ROUTINE <u>Author(s)</u> NOT INDICATED</p>	<p>PAC 400-182; SW-A-000189 <u>Recipient(s)</u> FILE</p>	<p>Information Only Entry: Historical Release Report (HRR) for the Rocky Flats Plant (RFP); January, 1992 - The 400 Area: Building 444/453 Drum Storage Area. In May 1957, it was noted that numerous barrels of depleted Uranium Oxide were being stored in the "backyard" of Building 444. The storage was not on a concrete slab and there was concern that the barrels would be subject to corrosion. For many years, B453 was used as an oil storage area. In July 1983, high groundwater forced some of the residual oil that had been spilled over the years out of the ground. Several pools of oil formed adjacent to the building. At this time, 25 barrels of used oil awaiting disposal were being stored outside the building. Study of low-level oblique photographs taken in 1982 reveal heavy, dark staining around B453 and along the western side of B444. It is not known what the oil that surfaced in July 1983 had been used for or if it was contaminated. No documentation was found which detailed the fate of constituents released to the environment.</p>
<p>SW A INFO 09/26/1997 0 Pages PUBLIC</p>	<p>YES, ROUTINE <u>Author(s)</u> ENVIRONMENTAL RESTOR</p>	<p>IHSS 199; SW-A-002435; RF/RMRS-97-073.UN; 97-DOE <u>Recipient(s)</u> DISTRIBUTION</p>	<p>Information Only Entry: Second Annual Update to the Historical Release Report (HRR) for the Rocky Flats Plant (RFP); Off-Site Releases; August 1, 1996 through August 1, 1997 - Contamination of the Land's Surface (IHSS 199; OU03). IHSS 199 targets off-site soil contamination as a result of RFP activities. The IHSS 199 Boundary, therefore, is delineated by the extent of off-site contamination. Past studies have focused almost exclusively on airborne Plutonium (Pu) release at RFP. The most probable sources would be the fire in Building 771 in 1957, and the fire in Building 776 on May of 1969. Also leaking drums of Plutonium-contaminated lathe coolant at the 903 Pad and chronic low-level stack effluent. Other possible sources would be on-site burning of wastes, including waste oils</p>