



Rocky Mountain
Remediation Services, L.L.C.
... protecting the environment

Rocky Flats Environmental Technology Site
10808 Highway 93, Unit B
Golden, Colorado 80403-8200
Phone: (303) 966-7000

February 15, 2000

00-RF-00615

ORRES. CONTR
UTGOING LTR. N
DOE ORDER #5480.21
MEH-015 -00

DIST.	LT	N
Crawford, A. C.		
Hickman, M. E.	X	X
Crowe, B		
Guthrie, C. L.		
Fedie, M		
Dieter, T. J.	X	
Jenkins, Ken		
Miller, J.		
Cronin, R. D.		
Hughes, F.	X	
Trice, K.	X	
Zbryk, K. O.		
Whiting, J.	X	X
Schommer, R.	X	X
Zachary, M		
Voetz, B.		

John W. Whiting
779 Cluster PBS Manager
Kaiser-Hill
Rocky Flats Environmental Technology Site

REQUEST FOR MINOR MODIFICATION OF THE DECOMMISSIONING OPERATIONS PLAN (DOP) FOR THE 779 CLUSTER INTERIM MEASURE/INTERIM REMEDIAL ACTION - MEH-015-00

The purpose of this memorandum is to request notification to CDPHE of minor modifications to the 779 Cluster DOP. These minor modifications are as follows:

Include a description the pits and sumps associated with Buildings 779, 782 and 783. Identify that these pits and sumps have contaminated groundwater infiltrate and describe the process that will be implemented to address the treatment of the groundwater infiltrate.

The proceeding information has been added to Section 3, Area Descriptions and Planned Activities.

Please contact myself or Kathy Zbryk at X6647 if you have any questions.


Mark E. Hickman
Integration Manager
779 Cluster Closure Project
Rocky Mountain Remediation Services

KZ/ras

Attachments:
Draft Ltr to State
Page Change
Page Change Index



ADMIN RECORD

B779-A-000140

COR. CONTROL
Adm Recd 000 X X
TRAFFIC
PATSI 130G

CLASSIFICATION:
UCN
UNCLASSIFIED X X
CONFIDENTIAL
SECRET

AUTHORIZED CLA
SIGNATURE:

NA

Date:

IN REPLY TO RFP

CTION ITEM STAT
 PARTIAL/OPE
 CLOSED

LTR APPROVALS:
Manager _____

G. & TYPIST INITI
ras

RF-46469 (Rev. 8/94)

Date: Friday, February 15, 2000

TO: Mr. Steve Tarlton, Rocky Flats Cleanup Agreement Project Coordinator
Hazardous Materials and Waste Management Division
Colorado Department Public Health and Environment
4300 Cherry Creek Drive, South
Denver, Colorado 80222-1530

FROM: DOE

Subject: Notification of Minor Modification of Decommissioning Operations Plan for the 779 Cluster Interim Measure/Interim Remedial Action (IM/IRA) Effective Date: February 15, 2000.

In accordance with the Rocky Flats Cleanup Agreement, Part 10, Changes to Work, Paragraph 127, DOE is providing written notice to CDPHE of its intent to make minor modification to work conducted pursuant to the Decommissioning Operations Plan for the 779 Cluster Interim Measure/Interim Remedial Action, here after referred to as the 779 DOP. These modifications are made to:

1. Clarify our proposed work process; and
2. Correct errors and omissions.

The changes as identified in this letter are minor in nature and do not represent a major modification to the 779 DOP. The proposed minor modifications, as detailed in the following attachment, modify Section 3.0, Area Descriptions and Planned Activities. The pits and sumps associated with 779 Cluster facilities were insufficiently described in the 779 DOP. These modifications have been made to correctly describe pits and sumps associated with Buildings 779, 782 and 783, as well as to address the treatment of groundwater infiltrate into these areas.

RFCA does not provide a formal requirement that the Lead Regulatory Agency (CDPHE) approve minor modifications to an IM/IMRA. However, Part 10 of RFCA states, "the Lead Regulatory Agency (LRA) may issue a Stop Work Order within seven days of receipt of the notification of any such modification. To avoid issuance of a Stop Work Order, it is imperative that the lines of communication between DOE and CDPHE be clearly delineated.

If you have any questions in regard to these modifications, please contact Dave Nickless at extension 5221.

PAGE CHANGE SUMMARY

<u>PAGE CHANGE</u>	<u>LETTER LOG NO</u>	<u>DATE</u>	<u>SUPERSEDES</u>
PGC-001	MEH-023-98	May 12, 1998	Superseded by 002
PGC-002	MEH-080-98	December 7, 1998	
PGC-003	MEH-080-98	December 7, 1998	
PGC-004	MEH-051-99	May 24, 1999	
PGC-005	MEH-074-99	August 4, 1999	
PGC-006	MEH-080-99	August 25, 1999	
PGC-007	MEH-015-00	February 15, 2000	

The second sub-unit consists of the Building 779 rooms, hoods and gloveboxes which exhaust through the ventilation plenums in Building 729. These areas were chosen because they contain a substantial amount of the remaining radioactive contamination hazard. In addition, the rooms and support systems for this area can be isolated from the remaining building.

The third sub-area consists of the Building 779 rooms, hoods and gloveboxes which exhaust through the ventilation plenums in Building 782. These rooms and the exhaust plenum contain the remaining known contamination. After the third sub-area is decontaminated, the risk to human health and the environment is minimal.

As the equipment and systems are cleared from each sub-area of the building, an additional engineering package will be developed to complete the removal of all remaining utilities to the area. This will include the ventilation systems and all electrical power within the area. The sub-area will then be sealed off until demolition of the building containing the sub-area commences. Once Building 779 is sealed off, workers will use engineering packages for utility isolation, decontamination, and removal of the satellite buildings associated with the 779 Cluster. The satellite buildings will then be ready for demolition.

The final engineering packages will be demolition plans for the individual 779 Cluster. These plans will detail the work steps and precautions required to accomplish the final dismantlement of the buildings in the Cluster. Final demolition of the buildings are projected in the Attachment 1 schedule.

The demolition plan for Building 779 will contain the engineering plan for the building's basement. In general, all accessible equipment, piping, and conduit will be removed from the basement. The remaining basement floors, walls, and ceiling will be sampled, surveyed, and cleaned (scabbled if necessary) to leave a clean surface. The basement will then be left in place and capped. The clean basement surfaces will eliminate the need to prevent migration of ground water into or out of the entombed area. If the basement surfaces, or sub basement surfaces, can not be cleaned to the release criteria, the material will be removed (cut out) under selection demolition, the contamination will be fixed in place or further negotiation will be conducted with the LRA.

Four pits (total area 29'Lx20'Wx 20'D) exist under the Building 779 basement. Three of these pits (denoted as 1A, 2A and 3B) have a history of ground water infiltrate and sediment is evident. The fourth pit has no history of groundwater infiltrate. Sampling has indicated that the groundwater infiltrate and sediment are contaminated. Radiological survey results indicate that the walls of the pits are not contaminated. (This data will be documented in the Decommissioning Closeout Report for the Building 779 Pad.) A 3'L x 3'W x 3'D sump exists in the northwest corner of the Building 782 underground duct tunnel. Upon removal of the sump pump, groundwater has infiltrated and exceeded the capacity of the sump pit. Analysis of the infiltrate indicates that it is contaminated.) Finally, two spray holding pits (total area of both pits approximately 24'L x 6'W x 12'D) and a sump (a 3' circular pit, 12'D) are located under Building 783. These pits were drained and subsequently, groundwater has accumulated in these areas. The groundwater infiltrate in the Building 783 pits and sump is suspected of being contaminated based on analytical data. Radiological survey results indicate that the walls of the pits and the sump are not contaminated.

A water removal method will be provided to periodically pump the infiltrating ground water from the sump and pits identified above for further treatment. The periodicity for this requirement will be quarterly or less as negotiated with the LRA. Sampling will be conducted quarterly or less as negotiated by the LRA to further characterize the infiltrate. In addition, no further radiological decontamination of the basement, pits and sumps will be conducted under the 779 DOP. The basement, pits and sumps will be secured with an impermeable cover that will remain in place until environmental restoration begins.