

ROCKY FLATS PLANT
EMD OPERATING
PROCEDURES MANUAL

Manual No.: 5-21000-OPS-FO
Procedure No.: Table of Contents, Rev 8
Page: 1 of 3
Effective Date: 1/20/92
Organization: Environmental Management

THIS IS ONE VOLUME OF A SIX VOLUME SET WHICH INCLUDES:

VOLUME I: FIELD OPERATIONS (FO)
VOLUME II: GROUNDWATER (GW)
VOLUME III: GEOTECHNICAL (GT)
VOLUME IV: SURFACE WATER (SW)
VOLUME V: ECOLOGY (EE)
VOLUME VI: AIR (AP)

TABLE OF CONTENTS
FOR VOLUME I: FIELD OPERATIONS

<u>Procedure No.</u>	<u>Title</u>	<u>Rev. No.</u>	<u>Effective Date</u>
FO.01	Air Monitoring and Dust Control	1	08/30/91
FO.02	Transmittal of Field QA Records	2	09/23/91
FO.03	General Equipment Decontamination	1	08/30/91
DCN 91.01	Superseded by DCN 92.02	1	01/20/92
DCN 92.01	Clarification of rinsing requirements	1	01/17/92
DCN 92.02	Replace triple rinse with double rinse	1	01/20/92
FO.04	Heavy Equipment Decontamination	1	08/30/91
FO.05	Handling of Purge and Development Water	1	08/30/91
DCN 91.01	Superseded by DCN 92.01	1	01/20/92
DCN 92.01	Clarify protected area	1	01/20/92
FO.06	Handling of Personal Protective Equipment	1	08/30/91
DCN 91.01	Approved practices for disposal of surface water monitoring PPE	1	09/19/91

ADMIN RECORD

DOCUMENT CLASSIFICATION
REVIEW W/AVRIFICATION
CLASSIFICATION OFFICE

A-SW-000958

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<u>Procedure No.</u>	<u>Title</u>	<u>Rev. No.</u>	<u>Effective Date</u>
DCN 91.02	Superseded by DCN 92.02	1	01/20/92
DCN 91.04	Clarification of personal protective equipment surveyng	1	11/26/91
DCN 92.01	Change in PPE disposal requirements	1	01/17/92
DCN 92.02	Clarified protected area	1	01/20/92
FO.07	Handling of Decontamination Water and Wash Water	1	08/30/91
DCN 91.01	Superseded by DCN 92.01	1	01/20/92
DCN 91.02	Superseded by DCN 92.02	1	01/20/92
DCN 92.01	Clarify definition of potentially contaminated	1	01/20/92
DCN 92.02	Clarify work area characteristics	1	01/20/92
FO.08	Handling of Drilling Fluids and Cuttings	1	08/30/91
DCN 91.01	Delete locking requirement from drum sealing	1	08/30/91
DCN 91.02	Superseded by DCN 92.02	1	01/20/92
DCN 91.03	Superseded by DCN 92.01	1	01/20/92
DCN 92.01	Clarifying spraying requirements	1	01/20/92
DCN 92.02	Clarified protected area	1	01/20/92
FO.09	Handling of Residual Samples	1	08/30/91
FO.10	Receiving, Labeling, and Handling Environmental Materials Containers	1	08/30/91
DCN 91.01	Delete use of indelible markers	1	09/26/91
DCN 91.02	Superseded by DCN 92.01	1	01/20/92

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Page: 3 of 3
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<u>Procedure No.</u>	<u>Title</u>	<u>Rev. No.</u>	<u>Effective Date</u>
DCN 92.01	Clarify environmental liquids generated	1	01/20/92
FO.11	Field Communications	1	08/30/91
FO.12	Decontamination Facility Operations	1	08/30/91
FO.13	Containerization, Preserving, Handling and Shipping of Soil and Water Samples	1	08/30/91
FO.14	Field Data Management	1	08/30/91
DCN 92.01	Expansion of sample analysis requirements	1	01/06/92
FO.15	Photoionization Detectors (PIDs) and Flame Ionization Detectors (FIDs)	1	08/30/91
FO.16	Field Radiological Measurements	1	08/30/91
DCN 92.01	Change in monitoring requirements for bedrock work	1	01/20/92
FO.17	Determining Out-Of-Specification Analytical Results for Environmental Samples		To Be Added
FO.18	Environmental Sample Radioactivity Content Screening	1	08/30/91
FO.19	Base Laboratory Work	1	08/30/91

ENVIRONMENTAL MANAGEMENT DOCUMENT CHANGE NOTICE (DCN)

Procedure Number 5-21000-OPS-FO.16, Rev. 1

Page 1 of 1

Title Field Radiological Measurements	Date 1/14/92	DCN Number 5-21000-OPS-FO.16 92.02
Expires <u>4/19/92</u> 1/20/92		Procedure Revision Required <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No This is a
Scope Limitation <u>Areas free of chemical and radiological contamination</u>		

Item Number	Page	Step or Paragraph	Changes (Use DCN CONTINUATION SHEET for Additional Space)
1	14 of 16	6.3.2.3 3rd paragraph	Change 1st sentence to: "Core intervals in known IHSSs, the Americium Zone, Identified Groundwater Plume areas and in areas where surface contamination has been detected will be monitored and the results recorded."
2	14 of 16	6.3.2.3	<p>Add the following final paragraphs (make new section in next revision):</p> <p>"The following requirements will apply during bedrock drilling after isolating alluvium from bedrock at sites in non-IHSS areas when all these conditions apply:</p> <ul style="list-style-type: none"> • there has been no historical contamination • surface contamination was not detected during the pre-work site survey • no contamination was detected in the alluvium. <p>Once the alluvium has been isolated from the bedrock as per SOP GT.3, Isolating Bedrock from Alluvium with Grouted Surface Casing, the exclusion zone will be kept for safety and site control purposes only. Egress from the area will be allowed without decontamination and radiological screening of personnel or equipment. Swipe sampling will be performed on the interior of each core barrel and the results will be used to properly handle these materials. In the case of a field detection, core or cuttings will be handled as per sections 6.3.2.2.1 and 6.3.2.3. Spot checks of downhole geophysical equipment will also be conducted as a control measure. Periodic screens of personnel will be conducted during the day and an end-of-day personnel frisk will be performed to insure that if any contamination is present, it does not leave the site via workers."</p>

Justification (Reason for Change -- Provide Numbers To Reference Corresponding Items Above)

Bedrock drilling in historically uncontaminated areas where the alluvium has been isolated from the bedrock with surface casing has never yet encountered contamination. Therefore, less strict monitoring requirements are in order.

Concurrence	Organization	Req	Date	Concurrence	Organization	Req	Date
<i>[Signature]</i>	QAPM	X	1/20/92	<i>[Signature]</i>	User	X	1/17/92
<i>[Signature]</i>	EOM	X	1/20/92	<i>[Signature]</i>	User	X	1/17/92

Approval of Responsible Manager <i>[Signature]</i>	Date 01/20/92	Is Posting Req'd? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If Yes, By What Date? 1/21/92	Date Posted
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