

This is a ~~RED Stamp~~

**ROCKY FLATS PLANT  
 EMD OPERATING  
 PROCEDURES MANUAL**

Manual No.: 5-21000-OPS-FO  
 Procedure No.: Table of Contents, Rev 27  
 Page: 1 of 3  
 Effective Date: 09/18/92  
 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	2	05/12/92
FO.02	Transmittal of Field QA Records	3	05/22/92
FO.03	General Equipment Decontamination	2	05/12/92
DCN 92.01	Clarification of Decontamination	2	07/21/92
FO.04	Heavy Equipment Decontamination	2	05/12/92
DCN 92.01	Expired	1	04/30/92
DCN 92.02	Expired	1	06/12/92
DCN 92.03	Consistency Change	1	09/18/92
FO.05	Handling of Purge and Development Water	2	05/12/92
FO.06	Handling of Personal Protective Equipment	2	05/12/92
DCN 92.01	Monitoring Change	2	09/18/92
FO.07	Handling of Decontamination Water and Wash Water	2	05/12/92
DCN 92.01	Consistency Change	2	09/18/92

REVIEWED FOR CLASSIFICATION  
 By [Signature]  
 Date 10/8/92

**DOCUMENT CLASSIFICATION REVIEW WAIVER  
 PER R.B. HOFFMAN, CLASSIFICATION OFFICE  
 JUNE 11, 1991**

**ROCKY FLATS PLANT  
EMD OPERATING  
PROCEDURES MANUAL**

**Manual No.: 5-21000-OPS-FO  
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Organization: Environmental Management**

<b><u>Procedure No.</u></b>	<b><u>Title</u></b>	<b><u>Rev. No.</u></b>	<b><u>Effective Date</u></b>
FO.08	Handling of Drilling Fluids and Cuttings	2	05/12/92
DCN 92.04	Clarification of Drill Cuttings	2	06/04/92
DCN 92.05	Handling of Drilling Fluids and Cuttings	2	09/02/92
DCN 92.06	Clarification of Responsibility	2	09/09/92
DCN 92.07	Elimination of Drilling Requirements on Earthen Dams	2	09/10/92
DCN 92.08	Consistency Change	2	09/18/92
FO.09	Handling of Residual Samples	2	05/12/92
FO.10	Receiving, Labeling, and Handling Environmental Materials Containers	2	05/12/92
DCN 92.03	Clarification on Drums	2	06/12/92
DCN 92.04	Decrease in Weekly Inspections of Gray Drums	2	11/18/92
DCN 92.05	Requirement Reduction	2	09/16/92
FO.11	Field Communications	2	05/12/92
FO.12	Decontamination Facility Operations	2	05/12/92
FO.13	Containerization, Preserving, Handling and Shipping of Soil and Water Samples	2	05/12/92
DCN 92.01	Chain of Custody	2	07/27/92

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<u>Procedure No.</u>	<u>Title</u>	<u>Rev. No.</u>	<u>Effective Date</u>
FO.14	Field Data Management	2	05/12/92
DCN 92.01	Update Bottle Codes and Lab Codes to Current Status	2	06/30/92
DCN 92.02	Clarification of Biological Locations	2	07/08/92
DCN 92.03	Changes in Procedures	2	07/08/92
DCN 92.04	Update Bottle and Lab Codes	2	07/21/92
FO.15	Photoionization Detectors (PIDs) and Flame Ionization Detectors (FIDs)	2	05/12/92
FO.16	Field Radiological Measurements	2	05/12/92
DCN 92.04	Clarification of Seismic Lines	1	04/13/92
FO.17	Determining Out-Of-Specification Analytical Results for Environmental Samples		To Be Added
FO.18	Environmental Sample Radioactivity Content Screening	1	05/12/92
FO.19	Base Laboratory Work	2	05/12/92

**ENVIRONMENTAL MANAGEMENT  
 DOCUMENT CHANGE NOTICE (DCN)**

Procedure Number 5-21000-OPS FO.04 Rev. 1

Title Heavy Equipment Decontamination	Date 9/8/92	DCN Number 5-21000-OPS-FO.04 DCN 92.03 46
Expires <del>September 8, 1993</del> 12-17-92 9/18/92		
Procedure Revision Required <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
Scope Limitation <u>OU-3</u>		

Item Number	Page	Step or Paragraph	Changes (Use DCN CONTINUATION SHEET for Additional Space)
1	13 of 21	Section 6.21 Paragraph 2	Change last sentence to : "All tools and rods will be decontaminated between sample locations. The rig is not required to be decontaminated between locations. Tools will be decontaminated at the drill site. A swipe test will be performed on the bucket when the backhoe leaves the soil remediation area. The backhoe will be decontaminated at the main decontamination facility at the beginning and after completion of the trench excavations. Additional monitoring, other than swipe tests, will not be performed.  Consistency Change

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

1) The change will make the SOP consistent with the EPA/CDH approved OU3 RFI/RI Work Plan.

Concurrence	Organization	Req	Date	Concurrence	Organization	Req	Date
<i>[Signature]</i>	QAPM	X	9/18/92	<i>[Signature]</i>	User	X	9/11/92
<i>[Signature]</i>	EOM	X	9-16-92				

Approval of Responsible Manager <i>[Signature]</i>	Date 9/11/92	Is Posting Req'd? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If Yes, By What Date?	Date Posted
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This is a  
**CONTROLLED DOCUMENT ENVIRONMENTAL MANAGEMENT**  
 EG&G - ROCKY FLATS PLANT  
**ENVIRONMENTAL MANAGEMENT DOCUMENT CHANGE NOTICE (DCN)**  
 This is a RED Stamp

Procedure Number 5-21000-OPS FO.06 Rev. 2.1

Page 1 of 1

Title Handling of Personal Protective Equipment	Date 9/8/92	DCN Number 5-21000-ops-FO.06 DCN-92.01 46
Expires <del>September 8, 1993</del> 12-17-92	Procedure Revision Required	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Scope Limitation	OU-3	9/18/93 <i>ll</i>

Item Number	Page	Step or Paragraph	Changes (Use DCN CONTINUATION SHEET for Additional Space)
1	5 of 11	Section 6.0 Paragraph 3	Change first sentence to: "No HNU monitoring will be performed during intrusive activities"  <i>Monitoring Clearance</i>

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

1) Organic contaminants are not of concern in the EPA/CDH approved OU3 RFI/RI Work Plan.

Concurrence	Organization	Req	Date	Concurrence	Organization	Req	Date
<i>[Signature]</i>	QAPM	X	9/18/93	<i>[Signature]</i>	User	X	9/11/92
<i>[Signature]</i>	EOM		9-16-92				

Approval of Responsible Manager <i>[Signature]</i>	Date 9/11/92	Is Posting Req'd? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If Yes, By What Date?	Date Posted
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**ENVIRONMENTAL MANAGEMENT  
 DOCUMENT CHANGE NOTICE (DCN)**

Procedure Number 5-21000-OPS FO.07, Rev 2<sup>nd</sup>

Page 1 of 1

Title Handling of Decontamination Water and Wash Water	Date 9/8/92	DCN Number 5-21000-OPS-FO.07 DCN-92.01
Expires <del>September 8, 1998</del> <u>9/12/93</u> Procedure Revision Required <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
Scope Limitation <u>OU-3</u>		

Item Number	Page	Step or Paragraph	Changes (Use DCN CONTINUATION SHEET for Additional Space)
1	6 of 9	Section 6.1.1 Paragraph 1	Change first sentence to: "Decontamination water will be disposed of on the ground surface at least 50 feet from the sampling location such that the water cannot discharge into any stream, pond, or other surface water impoundment."  <i>Consistency Change</i>

Justification (Reason for Change – Provide Numbers To Reference Section(s) Above)

1) The change will make the SOP consistent with the EPA/CDH approved OU3 RFI/RI Work Plan.

Concurrence	Organization	Req	Date	Concurrence	Organization	Req	Date
<i>[Signature]</i>	QAPM	X	9/12/92	<i>[Signature]</i>	User	X	9/11/92
<i>[Signature]</i>	EOM	9-16-92					

  

Approval of Responsible Manager <i>[Signature]</i>	Date <u>9/11/92</u>	Is Posting Req'd? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If Yes, By What Date?	Date Posted
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**ENVIRONMENTAL MANAGEMENT  
 DOCUMENT CHANGE NOTICE (DCN)**

Procedure Number 5-21000-OPS FO.08 Rev. 2 *HA*

Title Handling of Drilling fluids and Cuttings	Date 9/8/92	DCN Number <i>5-21000-OPS-FO.08 DCN-92.02 HA</i>
Expires <del>September 8, 1993</del> <i>9/18/93</i>	Procedure Revision Required	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Scope Limitation <u>OU-3</u>		

Item Number	Page	Step or Paragraph	Changes (Use DCN CONTINUATION SHEET for Additional Space)
1	6, 11 of 12	Section 6.0 Paragraph 3 and Section 6.4.1 Paragraph 1	Delete paragraphs since drumming requirements are waived off plant site by EPA and CDH. In addition, no HNU or OVA screening or RAD screening will be performed.  <i>Consistency Change</i>

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

1) The change will make the SOP consistent with the EPA/CDH approved OU3 RFI/RI Work Plan.

Concurrence	Organization	Req	Date	Concurrence	Organization	Req	Date
<i>[Signature]</i>	QAPM	X	9/11/92	<i>[Signature]</i>	User	X	9/11/92
<i>[Signature]</i>	EOM	<i>9-16-92</i>					

Approval of Responsible Manager <i>[Signature]</i>	Date <u>9/11/92</u>	Is Posting Req'd? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If Yes, By What Date?	Date Posted
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**ENVIRONMENTAL MANAGEMENT  
 DOCUMENT CHANGE NOTICE (DCN)**

Procedure Number 5-21000-OPS FO.10 REV <sup>2</sup> <sub>4</sub>

Title Receiving, Labeling, and Handling Environmental Materials Containers	Date 9/8/92	DCN Number 5-21000-OPS-FO.10 DCN-92.05
Expires <del>September 8, 1992</del> <sup>12-17-92</sup> Procedure Revision Required <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>9/18/93</i>		
Scope Limitation <u>OU-3</u>		

Item Number	Page	Step or Paragraph	Changes (Use DCN CONTINUATION SHEET for Additional Space)
1	14 of 19	Section 7.2.2	Omit entire section since drumming requirements do not pertain to materials generated off-site.  <i>Requirement Reduction</i>

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

1) Work plan does not require containerizing environmental materials generated off-site.

Concurrence	Organization	Req	Date	Concurrence	Organization	Req	Date
<i>M.C. Brennan</i>	QAPM	X	9-16-92	<i>[Signature]</i>	User	X	9/11/92
<i>[Signature]</i>	EOM	X	9/10/92				

Approval of Responsible Manager <i>[Signature]</i>	Date 9/11/92	Is Posting Req'd? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If Yes, By What Date?	Date Posted
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