

ROCKY FLATS PLANT
EMD OPERATING
PROCEDURES MANUAL

Manual No.: 5-21000-OPS-FO
New Manual No.: 4-11000-ER-OPS-FO
Procedure No.: Table of Contents, Rev 52
Page: 1 of 4
Effective Date: 8/11/93
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)

**EG&G
SUPERSEDED
DOCUMENT**

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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
DCN 93.01	Working Base Maps	3	05/12/93
FO.03	General Equipment Decontamination	2	05/12/92
DCN 92.01	EXPIRED (Clarification of Decontamination)	2	Expired
DCN 92.02	Update to Clarification of Decontamination	2	12/12/92
DCN 93.01	CPT Rods	2	02/16/93
FO.04	Heavy Equipment Decontamination	2	05/12/92
DCN 92.01	Expired	1	Expired
DCN 92.02	Expired	1	Expired
DCN 92.03	Consistency Change	1	09/18/92
DCN 92.04	Update to Clarification of Decontamination	2	12/17/92
FO.05	Handling of Purge and Development Water	2	05/12/92

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

ADMIN RECORD

A-SW-001277

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FO.06	Handling of Personal Protective Equipment	2	05/12/92
DCN 92.01	Monitoring Change	2	09/18/92
DCN 93.01	Plastic Bagging Modification	2	02/17/93
FO.07	Handling of Decontamination Water and Wash Water	2	05/12/92
DCN 92.01	Consistency Change	2	09/18/92
FO.08	Handling of Drilling Fluids and Cuttings	2	05/12/92
DCN 92.04	EXPIRED (Clarification of Drill Cuttings)	2	Expired
DCN 92.05	EXPIRED (Handling of Drilling Fluids and Cuttings)	2	Expired
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
DCN 92.09	Clarification of Augering Technique for OU-6	2	10/28/92
DCN 92.10	Improve Tracking of Samples	2	12/07/92
DCN 93.01	Better Consistency of Drum Handling	2	06/29/93
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	EXPIRED (Replaced by DCN 93.01 dated 2/10/93)	2	Expired
DCN 92.04	EXPIRED (Decrease in Weekly Inspections of Gray Drums)	3	Expired
DCN 92.05	Requirement Reduction	2	09/16/92
DCN 92.06	Improve Accountability	2	10/15/92
DCN 92.07	Expired	2	Expired
DCN 92.08	Drum Log F or M Change	2	12/03/92
DCN 93.01	Clarification on Drums (REPLACES DCN 92.03)	2	02/10/93
DCN 93.02	Renewal (DCN 92.07)	2	03/17/93
DCN 93.03	Number of Drums per Pallet	2	05/11/93
DCN 93.04	Sample to Drum Traceability	2	06/23/93
DCN 93.05	Drum Labeling Change	2	06/29/93
DCN 93.06	Drum Sample Numbers	2	06/29/93

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FO.11	Field Communications	2	05/12/92
FO.12	Decontamination Facility Operations	2	05/12/92
DCN 93.01	Tank Inspection Log	2	04/13/93
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
DCN 92.02	Improve Tracking of Samples	2	12/08/92
DCN 93.01	Chain of Custody Record	2	02/10/93
DCN 93.02	Air Bill COC	2	05/18/93
FO.14	Field Data Management	2	05/12/92
DCN 92.01	EXPIRED (Update Bottle Codes and Lab Codes to Current Status)	2	Expired
DCN 92.02	Clarification of Biological Locations (07/08/92- Extended)	2	11/20/92
DCN 92.03	Changes in Procedures (07/08/92 - Extended)	2	11/20/92
DCN 92.04	Expired	2	Expired
DCN 92.05	Update QA/QC Code List	2	09/28/92
DCN 92.06	Clarify Description	2	09/28/92
DCN 92.07	Update Bottle Code List	2	09/28/92
DCN 92.08	Add Sub-Contractor Abbreviations	2	10/14/92
DCN 92.09	Major Form Revision	2	11/03/92
DCN 92.10	Elimination of Non-Required Section	2	11/10/92
DCN 92.11	Update Bottle Code & Lab Codes to Current Status	2	12/09/92
DCN 93.01	New Codes	2	01/15/93
DCN 93.02	New Samplers and New Media	2	01/15/93
DCN 93.03	Field Data for RFEDS	2	02/10/93
DCN 93.04	RFEDS Back-up	2	03/18/93
FO.15	Photoionization Detectors (PIDs) and Flame Ionization Detectors (FIDs)	2	05/12/92

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FO.16	Field Radiological Measurements	2	05/12/92
DCN 92.04	EXPIRED (Seismic Lines)	1	Expired
DCN 92.05	Addition of HPGe	2	11/24/92
DCN 93.01	FIDLER Surveys	2	01/15/93
DCN 93.02	LUDLUM/FIDLER Guidance	2	06/29/93
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
DCN 93.01	Clarification of Procedure	1	01/11/93
FO.19	Base Laboratory Work	2	05/12/92
FO.27	4-BO1-ER-OPS-FO.27 Collection of Floor/Equipment Hot Water Rinsate Samples	0	07/26/93
*DCN 93.01	VOC Preservatives	0	8/11/93

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

Procedure Number 5-21000-OPS-FO.27, Rev. 0

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(4-B01-ER-OPS-FO.d7)

Title Collection of Floor/Equipment Hot Water Rinsate Samples	Date <u>8-11-93</u> 8-4-93	DCN Number <u>93.01 dr</u>
Expires <u>8-11-94</u> Procedure Revision Required <input type="checkbox"/> Yes <input type="checkbox"/> No		
Scope Limitation: <u>NONE</u>		

Item Number	Page	Step or Paragraph	Changes (Use DCN CONTINUATION SHEET for additional space)						
1	16	Table 2	Change the "Preservative" and "Holding Time" columns information for TCL VOCs parameter to the following: <table style="width:100%; border:none;"> <tr> <td style="border:none;"><u>Preservative</u></td> <td style="border:none;"><u>Holding Time (Days)</u></td> </tr> <tr> <td style="border:none;">Cool, 4 °C (a)</td> <td style="border:none;">7 days</td> </tr> <tr> <td style="border:none;">(HCL to pH < 2)</td> <td style="border:none;">(14 days - for Method 524.2 only)</td> </tr> </table>	<u>Preservative</u>	<u>Holding Time (Days)</u>	Cool, 4 °C (a)	7 days	(HCL to pH < 2)	(14 days - for Method 524.2 only)
<u>Preservative</u>	<u>Holding Time (Days)</u>								
Cool, 4 °C (a)	7 days								
(HCL to pH < 2)	(14 days - for Method 524.2 only)								
2	16	Table 2	Change footnote (a) to the following: (a) This preservative refers to all VOC methods except Method 524.2. Consult individual work plan or contact the Sample Management Office for direction in requesting the appropriate VOC method.						
			<p><i>JUSTIFICATION: (#s 1 & 2)</i></p> <p><i>THE PRESERVATIVE TYPE IS SPECIFIC WITH RESPECT TO THE ANALYTICAL METHOD REQUESTED; THE USE OF Na₂S₂O₃ AS A PRESERVATIVE IN VOC SAMPLES IS NO LONGER STANDARD INDUSTRY PRACTICE, & IS NOT NECESSARY FOR ENSURING SAMPLE QUALITY.</i></p> <p align="center">DOCUMENT CLASSIFICATION REVIEW WAIVER PER R.B. HOFFMAN, CLASSIFICATION OFFICE JUNE 11, 1991</p>						

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Justification (Reason for change - Provide numbers to reference corresponding items above.)

Concurrence	Organization	Req.	Date	Concurrence	Organization	Req.	Date
<i>[Signature]</i>	<i>QA</i>	X	<u>8-5-93</u>	<i>BQ Montano</i>	User	X	<u>8-5-93</u>
				<i>[Signature]</i>	USER	X	<u>8/5/93</u>

Approval of Responsible manager <i>[Signature]</i>	Date <u>9 Aug 93</u>	Is Posting required? <input type="checkbox"/> Yes <input type="checkbox"/> No	If Yes, by what date	Date posted
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AUG 11 1993