

ROCKY FLATS PLANT  
EMD OPERATING  
PROCEDURES MANUAL  
VOL I: FIELD OPERATIONS

Manual No.: 5-21000-OPS-FO  
New Manual No.: 4-11000-ER-OPS-FO  
Procedure No.: Table of Contents, Rev 68  
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Effective Date: 06/22/94  
Organization: Environmental Management

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

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VOLUME II: GROUNDWATER (GW)  
VOLUME III: GEOTECHNICAL (GT)  
VOLUME IV: SURFACE WATER (SW)  
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**EG&G  
SUPERSEDED  
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94-DMR-001175	LIMITED SCOPE OU 11 Modification	2	06/20/94

ADMINISTRATIVE

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

A-SW-001294

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FO.08	Handling of Drilling Fluids and Cuttings	2	05/12/92
DCN 93.01	Better Consistency of Drum Handling	2	06/29/93
FO.09	Handling of Residual Samples	2	05/12/92
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94-DMR-000558	Form Modification	2	04/15/94
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FO.16	Field Radiological Measurements	2	05/12/92
DCN 93.02	LUDLUM/FIDLER Guidance	2	06/29/93
FO.17	Determining Out-Of-Specification Analytical Results for Environmental Samples		To Be Added

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FO.18	Environmental Sample Radioactivity Content Screening	1	05/12/92
FO.19	Base Laboratory Work	2	05/12/92
FO. 23	Management of Soil and Sediment Investigative Derived Materials (IDM)	0	01/11/94
94-DMR-000137	Training Requirements Clarification	0	01/28/94
94-DMR-000148	Section FO.23 Modifications	0	02/09/94
94-DMR-001108	Buried Instrumentation and Existing Soil	0	06/14/94
FO.25	4-B11-ER-OPS-FO.25 Shipment of Radioactive Materials Samples	0	12/01/93
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	08/11/93
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FO.29	4-H46-ENV-OPS-FO.29	0	06/24/94
FO.32	4-I50-ENV-OPS-FO.32 Treated Effluent Discharge Operable Unit 1 (OU1), Building 891	0	04/13/94

DOCUMENT MODIFICATION REQUEST (DMR)

Refer to 1-A01-PPG-001 for Processing Instructions.  
 Print or Type All Information (Except Signatures)

1. Date 05-25-94	25. DMR. No. 94-DMR-001108
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2. Existing Document Number/Revision 4-F99-ENV-OPS-FO.23, REV. 0	3. New Document Number or Document Number if it is to be changed with this Revision NA
4. Originator's Name/Phone/Page/Location Gil Barth 966-8707 966-5143 BLD. 080	5. Document Title Management of Soil and Sediment Investigative Derived Materials (IDM)

6. Document Type XX Procedure <input type="checkbox"/> Other	7. Document Modification Type (Check only one) <input type="checkbox"/> New <input type="checkbox"/> Revision <input checked="" type="checkbox"/> Intent Change <input type="checkbox"/> Nonintent Change <input type="checkbox"/> Editorial Correction <input type="checkbox"/> Cancellation
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8. Item	9. Page	10. Step	11. Proposed Modifications
1	3 of 19	2.0	Change the first sentence of the second paragraph to read: This SOP applies to residual soils and sediments generated from environmental activities, except for the case where soil is temporarily removed to allow the emplacement of soil monitoring devices, in which case no residual soil or sediment is produced.

12. Justification (Reason for Modification, EJO#, TP#, etc.)

1. The Soil Science Group is involved in several experimental tasks that require removal of soil, emplacement of instruments, and replacement of the soil. These tasks support automated monitoring of the vadose zone. Similar instrumentation will be established in several of the operable units. The automated sampling devices are only accurate if they are buried by the soil that existed at the site. To ensure that the sampling devices accurately monitor the soil, it is necessary that the soil be replaced. All such activities are followed by stabilization of the disturbed soil, by promoting plant growth. This ensures that there will be no wind or water erosion. This change is required to allow instrumentation to gather data that will support the alternative selection process.

If modification is for a new procedure or a revision, list concurring disciplines in Block 13, and enter N/A in Blocks 14 and 15. If modification is for any type of change or a cancellation, organizations are listed in Block 13, then Concurror prints, and signs in Block 14, and dates in Block 15.

13. Organization	14. Print and Sign (if applicable)	15. Date (if applicable)
EQS	Mark Brook (RR) <i>M. Brook</i>	6-6-94
EOM-SME	Susan Myrick <i>Susan Myrick</i>	6/6/94
SPP	S.R. Keith <i>S.R. Keith</i>	6/6/94
RPM	W.S. Busby <i>W.S. Busby</i>	6/6/94
GEOSCIENCES	G.R. Konwinski <i>Gary R. Konwinski</i>	6-3-94
EE&T	N.M. Hutchins <i>N.M. Hutchins</i>	6/6/94
SAMPLE MGT.	D. Stagg <i>D. Stagg</i>	6 June 94
DOE	N. Castaneda <i>N. Castaneda</i>	13 June 94

16. Originator's Supervisor (print/sign/date)  
 Gary R. Konwinski *Gary R. Konwinski* June 1st, 1994

17. Assigned SME/Phone/Page/Location Susan Myrick 966-6971 966-4343 Bld. 080	18. Cost Center 020 2	19. Charge Number ENV-FO	20. Requested Completion Date 6-10-94	21. Effective Date 6-14-94 <i>DMR</i>
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22. Accelerated Review? Yes <input type="checkbox"/> No XXX	23. ORC Review expedite the DMR process. Not required: this Nonintent Change is being processed as an Intent Change to
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24. Responsible Manager (print, sign, date)  
 M.C. Broussard *M.C. Broussard* 6/6/94

REVIEWED FOR CLASSIFICATION/UCNI  
 BY NA  
 DATE NA

**MANAGEMENT OF SOIL AND SEDIMENT INVESTIGATIVE DERIVED MATERIALS (IDM)**

**EG&G ROCKY FLATS PLANT  
ENVIRONMENTAL OPERATIONS  
PROCEDURES MANUAL**

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3	06/14/94	94-DMR-001108
5	01/26/94	94-DMR-000137
5	02/09/94	94-DMR-000148
9	08/16/94	94-DMR-001350
7-9A	02/09/94	94-DMR-000148
10-13	08/16/94	94-DMR-001350
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19	02/09/94	94-DMR-000148
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### 2.0 PURPOSE AND SCOPE

This standard operating procedure (SOP) will be used at the Rocky Flats Plant (RFP) to determine the handling of environmental materials generated from environmental investigations. Specifically this procedure addresses criteria related to RCRA and CERCLA for management of Investigative Derived Material (IDM). Further, this procedure addresses DOE's criteria (DOE Order 5400.5) for handling residual radioactive IDM.

This SOP applies to residual soils and sediments generated from environmental activities, except for the case where soil is temporarily removed to allow the emplacement of soil monitoring devices, in which case no residual soil or sediment is produced. This procedure describes the handling of residual soils and sediments from the point of generation through the characterization process and includes the management of the drums in which these materials are contained. Representative soils and sediments will be collected, analyzed and characterized for constituents specified in approved project-specific work plans in order to determine how these materials will be handled. For those soils/sediments generated outside an Individual Hazardous Substance Site (IHSS), a Potential Area of Concern (PAC) or an Additional Area of Concern (AAC), where no characterization is required in the work plan, characterization will be required for those soils/sediments identified by field screening as potentially contaminated. A PAC and an AAC (Figure FO.23-1) will be defined as areas outside an IHSS but suspected of being potentially contaminated.

### 3.0 RESPONSIBILITIES AND QUALIFICATIONS

All personnel performing these procedures are required to have the appropriate health and safety training as specified in the EG&G-approved site-specific Health and Safety Plan (HSP). In addition, all personnel are required to have a complete understanding of the procedures described within this SOP and receive specific training regarding these procedures.

94-DNR-001108