

This is a RED Stamp

**ROCKY FLATS PLANT
EMD OPERATING
PROCEDURES MANUAL**

**Manual No.: 5-21000-OPS-FO
Procedure No.: Table of Contents, Rev 49
Page: 1 of 4
Effective Date: 06/23/93
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)**

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FOR VOLUME I: FIELD OPERATIONS**

Procedure No.	Title	Rev. No.	Effective Date
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
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

ADMIN RECORD

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

A-SW-000652

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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
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
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

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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
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
FO.17	Determining Out-Of-Specification Analytical Results for Environmental Samples		To Be Added

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<u>Procedure No.</u>	<u>Title</u>	<u>Rev. No.</u>	<u>Effective Date</u>
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

Title "Receiving, Labeling, and Handling Environmental Materials Containers"	Date <u>6-23-93</u> 6-8-93 ^{to 4/} _{see}	DCN Number <u>93.04</u> _{see}
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Expires 6-23-94 _{see} Procedure Revision Required Yes No
 Scope Limitation: site-wide

Item Number	Page	Step or Paragraph	Changes (Use DCN CONTINUATION SHEET for additional space)
1	17	Sec. 8.0, 3rd Para.	<p>Add the following text, as a third paragraph (after the existing second paragraph):</p> <p>"The subcontractor will maintain a simple structured database to produce ASCII files (e.g. LOTUS or EXCEL spreadsheets; dBASE IV; etc), that clearly relate the following parameters:</p> <ul style="list-style-type: none"> ▪ IDM (investigative derived materials) drum identification numbers ▪ drum fill date ▪ drum location code (i.e., source location of the IDMs) ▪ drum depth interval ▪ project identification ▪ analytical chemistry sample ID numbers (including rad screens) <p>This information can be transcribed to the digital data files from data forms FO.10A and FO.10C. The resulting digital information should be maintained by the subcontractor ^{quarterly} until termination of field activities, and then submitted on floppy discs to the EG&G RFEDS representative and the OU Project Manager with annotation, in the digital file and on the outer disc label, indicating the nature of the data, e.g., correlation of IDM drums to analytical chemistry samples."</p>

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

- Request by RFEDS staff based on deficiencies noted in data form information (FO.10A and FO.10C) when attempting to link sample ID numbers to drum ID numbers in RFEDS; rad screen data are not currently captured in RFEDS.
- Relationships involved in drum characterization are becoming more complex and should be explained in standard ER controlling documentation; this SOP is an appropriate document to communicate this information.
- The figure complements the text (item 2, above).

Concurrence	Organization	Req.	Date	Concurrence	Organization	Req.	Date
<i>[Signature]</i>	QAPM	X	6/22/93	<i>[Signature]</i>	User	X	6/10/93
<i>[Signature]</i>	ERG/USER		6-10-93	Martha Bygren	ERM/SM	NO	6/10/93
				A.L. Purvis	user	X	6/11/93

Approval of Responsible manager <i>[Signature]</i>	Date <u>6-22-93</u>	Is Posting required? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If Yes, by what date <u>upon Receipt</u>	Date posted _____
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DOCUMENT CLASSIFICATION REVIEW WAIVER
 PER R.B. HOFFMAN, CLASSIFICATION OFFICE
 JUNE 11, 1991

DOCUMENT CHANGE NOTICE (DCN)
(Continuation Sheet)

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DCN no. 93.04
S476

Procedure no. 5-21000-OPS-FO; FO.10, Rev. 2		Title "Receiving, Labeling, and Handling Environmental Materials Containers"	
Scope Limitation: site-wide			
Item Number	Page	Step or Paragraph	Changes (Use DCN CONTINUATION SHEET for additional space)
2	17	new sec., 7.4	Input the following new text: "The status of both empty and filled IDM (investigative derived materials) drums is influenced by groups other than Environmental Restoration within EG&G Rocky Flats, especially drum status before issuing in the field, and after movement to a RCRA storage unit. Chemical characterization of drum contents is a primary responsibility of the ER organization, and depends upon accurate and complete data forms as established in Section 8.0. Figure FO.10-2 depicts the entities and information involved in determining drum status and chemical characterization of contents."
3	new page	after p.17	Figure FO10-2. Process Flow for Drum Characterization.
Justification (Reason for change - Provide numbers to reference corresponding items above.)			

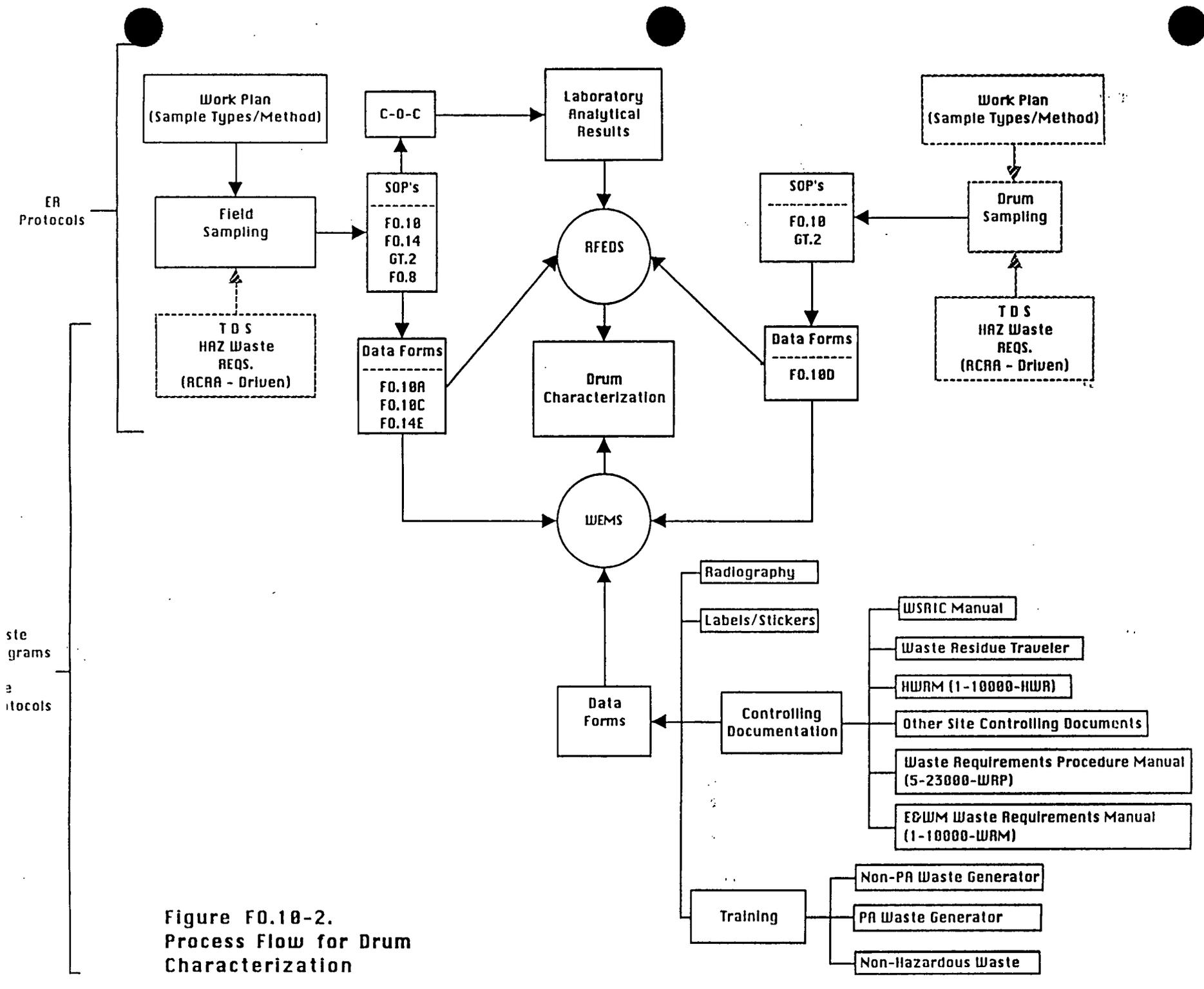


Figure FO.10-2.
Process Flow for Drum
Characterization

DCM # 9304
7/3/85