

ROCKY FLATS PLANT
EMD OPERATING
PROCEDURES MANUAL

Manual No.: 5-21000-OPS-GT
Procedure No.: Table of Contents, Rev 2
Page: 1 of 2
Effective Date: 10/18/91
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)
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<u>New Proc. No.</u>	<u>Old Proc. No.</u>	<u>Title</u>	<u>Rev. No.</u>	<u>Effective Date</u>
GT.01	3.1	Logging Alluvial and Bedrock Material	1	8/30/91
GT.02	3.2	Drilling and Sampling Using Hollow Stem Auger Techniques	1	8/30/91
GT.03	3.3	Isolating Bedrock From the Alluvium with Grouted Surface Casing	1	8/30/91
DCN 91.01		Change in criteria for cement grouting	1	10/02/91
GT.04	3.4	Rotary Drilling and Rock Coring	1	8/30/91
DCN 91.01		Core barrel decontamination	1	10/22/91
GT.05	3.5	Plugging and Abandonment of Boreholes	1	8/30/91
DCN 91.01		Surface casing classification	1	10/22/91
GT.06	3.6	Monitoring Wells and Piezometer Installation	1	8/30/91
DCN 91.01		Industry Standard is 1 foot into Bedrock	1	10/15/91
DCN 91.02		For the Sitewide Program, Claystone Smearing does not seem to be a problem	1	10/15/91
GT.07	3.7	Logging and Sampling of Test Pits and Trenches	1	8/30/91

DOCUMENT CLASSIFICATION
REVIEW WAIVER PER
CLASSIFICATION OFFICE

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GT.08	3.8	Surface Soil Sampling	1	8/30/91
GT.09	3.9	Soil Gas Sampling and Field Analysis	1	8/30/91
GT.10	3.10	Borehole Clearing	1	8/30/91
GT.11	3.11	Plugging and Abandonment of Wells	1	8/30/91
GT.15	3.15	Geophysical Borehole Logging	1	8/30/91
DCN 91.01		No Hole will be left Unlogged at the end of the day	1	10/15/91
GT.17	3.17	Land Surveying	1	8/30/91
GT.18	3.18	Surface Geophysical Surveys	1	8/30/91
GT.19	3.19	Field Gas Chromatographs	1	8/30/91
GT.20	3.20	Procedures for Soil Interstitial Water Sampling and Sampler Installation	1	8/30/91

ENVIRONMENTAL MANAGEMENT DOCUMENT CHANGE NOTICE (DCN)

Procedure Number 5-21000-OPS-GT.4, Rev. 1

Page 1 of 1

Title Rotary Drilling and Rock Coring	Date 10-18-91	DCN Number 5-21000-OPS- GT.4 91-01
Expires <u>UPON INCORPORATION OR</u> Procedure Revision Required <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <u>NOT LATER THAN 1/10/92</u>		
Scope Limitation <u>Sitewide Geologic</u>		

Item Number	Page	Step or Paragraph	Changes (Use DCN CONTINUATION SHEET for Additional Space)
1	8 of 10	6.0 paragraph 1	Add the following to the end of the paragraph: "When coring bedrock using water as a circulating medium, no decontamination of core barrels is necessary between coring runs. The core barrels will be decontaminated after each boring is complete."

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

The potentially contaminated alluvium has already been isolated from the bedrock. In addition, the borehole is filled with liquid and there is constant communication between the drilling fluid, the exposed borehole and the core barrels..

Concurrence	Organization	Req	Date	Concurrence	Organization	Req	Date
<i>[Signature]</i>	QAPM	X	10/22/91	<i>[Signature]</i>	User	X	10/19/91

Approval of Responsible Manager <i>[Signature]</i>	Date 10/22/91	Is Posting Req'd? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If Yes, By What Date? 10-24-91	Date Posted
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