

ROCKY FLATS PLANT
EMD OPERATING
PROCEDURES MANUAL

Manual No.: 5-21000-OPS-GT
Procedure No.: Table of Contents, Rev 16
Page: 1 of 4
Effective Date: 02/12/92
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)

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FOR VOLUME III: GEOTECHNICAL

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GT.01	Logging Alluvial and Bedrock Material	1	08/30/91
DCN 91.01	Recording lithologic descriptions and securing core boxes	1	11/15/91
DCN 91.02	Clarification of log approval for multi-use wells	1	12/03/91
GT.02	Drilling and Sampling Using Hollow Stem Auger Techniques	1	08/30/91
DCN 91.01	Superseded by DCN 92.01	1	01/20/92
DCN 91.02	Correction of well location for low Alluvial thickness	1	11/06/91
DCN 91.03	Ten foot long core barrels	1	11/15/91
DCN 92.01	Clarify unconsolidated core sample requirements	1	01/20/92
GT.03	Isolating Bedrock from Alluvium with Grouted Surface Casing	1	08/30/91
DCN 91.01	Superseded by DCN 91.03	1	12/12/91
DCN 91.02	Superseded by DCN 92.01	1	01/20/92

ADMIN RECORD

A-SW-000246

"REVIEWED FOR CLASSIFICATION"
By W.S. [Signature]
Date 19 FEB 92

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DCN 91.03	Change in criteria for cement grouting	1	12/12/91
DCN 91.04	Depth of casing emplacement	1	12/17/91
DCN 91.05	Addition of Grout Ports	1	12/19/91
DCN 92.01	Grout procedure clarification	1	01/20/92
GT.04	Rotary Drilling and Rock Coring	1	08/30/91
DCN 91.01	Superseded by DCN 92.02	1	01/20/92
DCN 91.02	Superseded by DCN 92.01	1	01/20/92
DCN 91.03	Superseded by DCN 91.04	1	12/17/91
DCN 91.04	Clarification of the use of super gel-x	1	12/17/91
DCN 92.01	Clarification of measuring tape decontamination requirements	1	01/20/92
DCN 92.02	Clarification of core barrel decontamination	1	01/20/92
GT.05	Plugging and Abandonment of Boreholes	1	08/30/91
DCN 91.01	Superseded by DCN 92.01	1	01/20/92
DCN 92.01	Surface casing classification	1	01/20/92
GT.06	Monitoring Wells and Piezometer Installation	1	08/30/91
DCN 91.01	Superseded by DCN 92.01	1	01/20/92
DCN 91.02	Superseded by DCN 92.02	1	01/20/92
DCN 91.03	Superseded by DCN 91.06	1	11/08/91
DCN 91.04	Low Alluvial thickness wells	1	11/06/91
DCN 91.05	Superseded by DCN 91.08	1	11/15/91

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DCN 91.06	Change in filter pack guidance	1	11/08/91
DCN 91.07	Decontamination for site-wide geological characterization	1	11/15/91
DCN 91.08	Figure replacement (GT.6-1)	1	11/15/91
DCN 91.09	Sampling with center bit drilling	1	12/03/91
DCN 92.01	Change in penetration depth into bedrock	1	01/20/92
DCN 92.02	Specification of auger size	1	01/20/92
DCN 92.03	Clarification of casing requirements	1	01/31/91
DCN 92.04	Revision of joint sealing requirements	1	02/12/92
GT.07	Logging and Sampling of Test Pits and Trenches	1	08/30/91
GT.08	Surface Soil Sampling	1	08/30/91
DCN 91.01	Clarification supplementation of GT.08 - Surface Soil Sampling	1	11/26/91
DCN 92.01	Soil core sampling revision	1	01/02/92
GT.09	Soil Gas Sampling and Field Analysis	1	08/30/91
GT.10	Borehole Clearing	1	08/30/91
GT.11	Plugging and Abandonment of Wells	1	08/30/91
DCN 92.01	Clarification of handling of contaminated/decontaminated surface pad materials	1	01/20/92
GT.15	Geophysical Borehole Logging	1	08/30/91
DCN 91.01	Superseded by DCN 92.01	1	01/20/92
DCN 92.01	Clarification of hole logging requirements	1	01/20/92

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<u>Procedure No.</u>	<u>Title</u>	<u>Rev. No.</u>	<u>Effective Date</u>
GT.17	Land Surveying	1	08/30/91
GT.18	Surface Geophysical Surveys	1	08/30/91
GT.19	Field Gas Chromatographs	1	08/30/91
GT.20	Procedures for Soil Interstitial Water Sampling and Sampler Installation	1	08/30/91
GT.21	Cone Penetrometer Testing	0	12/19/91

ENVIRONMENTAL MANAGEMENT DOCUMENT CHANGE NOTICE (DCN)

Procedure Number 5-21000-OPS-GT.6 Rev 1.

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Title Monitoring Wells and Piezometer Installation	Date 2-10-92	DCN Number 5-21000-OPS-GT.6 92.04
Expires <u>5/12/92</u>		
Procedure Revision Required <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No EG&C - ROCKY FLATS PLANT ENVIRONMENTAL MANAGEMENT DEPT.		
Scope Limitation <u>none</u>		

Item Number	Page	Step or Paragraph	Changes (Use DCN CONTINUATION SHEET for Additional Space)
1	7 of 17	5.3.1.1	Change the sixth sentence to read "According to manufacturer's directions, O rings will be used between joints or Polytetra fluoroethylene (PTFE) tape will be wrapped around the joint threads to improve the seal."

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

Manufacture's directions should be followed when improving the seal between joints. Currently, the SOP specifies PTFE tape while the manufacturer specifies O rings.

Concurrence	Organization	Req	Date	Concurrence	Organization	Req	Date
<i>[Signature]</i>	QAPM	X	2/12/92	<i>[Signature]</i>	User	X	2/10/92
<i>[Signature]</i>	EOM	X	2/11/92				

Approval of Responsible Manager <i>[Signature]</i>	Date 10 Feb 92	Is Posting Req'd? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If Yes, By What Date? 2/12/92	Date Posted
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