

ROCKY FLATS PLANT
 EMD OPERATING
 PROCEDURES MANUAL

Manual No.: 5-21000-OPS-GT
 Procedure No.: Table of Contents, Rev 20
 Page: 1 of 2
 Effective Date: 06/04/92
 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)
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GT.02	Drilling and Sampling Using Hollow Stem Auger Techniques	2	05/12/92
GT.03	Isolating Bedrock from Alluvium with Grouted Surface Casing	2	05/12/92
DCN 92.03	Alternate Method of Installing Surface Casing	2	06/04/92
GT.04	Rotary Drilling and Rock Coring	2	05/12/92
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DCN 92.05	Schematic Diagram Land Fill Methane Wells	2	06/04/92
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GT.10	Borehole Clearing	2	05/12/92
GT.11	Plugging and Abandonment of Wells	2	05/12/92
GT.15	Geophysical Borehole Logging	2	05/12/92
GT.17	Land Surveying	2	05/12/92
GT.18	Surface Geophysical Surveys	2	05/12/92
GT.19	Field Gas Chromatographs	2	05/12/92
GT.20	Procedures for Soil Interstitial Water Sampling and Sampler Installation	2	05/12/92
GT.21	Cone Penetrometer Testing	1	05/12/92
GT.24	Approval Process for Construction Activities on or Near Individual Hazardous Substance Sites (IHSSs)	0	05/12/92

This is a

CONTROLLED DOCUMENT

EG&G - ROCKY FLATS PLANT

ENVIRONMENTAL MANAGEMENT

ENVIRONMENTAL MANAGEMENT DOCUMENT CHANGE NOTICE (DCN)

This is a RED Stamp

Procedure Number 5-21000-OPS-GT.6 Rev 1.2

Page 1 of 1

Title Monitoring Wells and Piezometer Installation	Date 6-4-92	DCN Number 5-21000-OPS-GT.06, R2 DCN 92.05
Expires _____ Procedure Revision Required <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
Scope Limitation <u>Methane degassification wells at the Present Landfill</u>		

Item Number	Page	Step or Paragraph	Changes (Use DCN CONTINUATION SHEET for Additional Space)
1	16 of 18	5.4 (new)	<p>Add a new section entitled 5.4 Methane Wells as follows:</p> <p>Boreholes for methane wells will be drilled by using a drilling rig and drilling method capable of completing the well at the depth specified in the FSP. All drilling will be within and through fill for the purpose of venting methane only. Drill rigs will be decontaminated before entering and after leaving the Landfill. If no samples are taken, the augers will not need to be decontaminated between wells.</p> <p>Locations will be marked and cleared as per 5.2. Boreholes will be drilled approximately 2 feet into bedrock to provide lithologic control and then reamed through the fill interval. In the event that methane concentrations exceed the concentrations permitted in the Health and Safety Plan, water may be added to the hole to suppress the methane. Augers will be sized as per section 5.2.</p> <p>Well casings and well screens will be as per the FSP or work plan and will be equal in diameter and wall size. The filter pack will be as per the FSP. The bentonite seal will be as per 5.3.1.4, bentonite grout as per 5.3.1.5, installation procedures will be as per 5.3.2. and well features at surface will be as per 5.3.2.3. A schematic diagram of a methane well without the protective surface features is attached.</p>

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

Methane wells at the Landfill are designed to vent gas from the fill and not for any environmental sampling activities.

Concurrence	Organization	Req	Date	Concurrence	Organization	Req	Date
<i>[Signature]</i>	QAPM	X	6/4/92	<i>[Signature]</i>	User	X	6/4/92

Approval of Responsible Manager <i>[Signature]</i>	Date 6/4/92	Is Posting Req'd? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If Yes, By What Date?	Date Posted
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Schematic Diagram

LANDFILL METHANE WELLS

