



State of Utah
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

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June 24, 2002

Rick Olsen, General Manager
Canyon Fuel Company, LLC
P.O. Box 1029
Wellington, Utah 84542

Re: Approval of Additional Baseline Water Monitoring Parameters, Canyon Fuel Co.,
Dugout Mine C/007/039-AM02F, Outgoing File

Dear Mr. Olsen:

The above-referenced amendment is approved effective June 24, 2002. A stamped incorporated copy is enclosed for your copy of the Mining and Reclamation Plan.

If you have any questions, please feel free to call me at (801) 538-5325.

Sincerely,

A handwritten signature in black ink that reads "Daron R. Haddock".

Daron R. Haddock
Permit Supervisor

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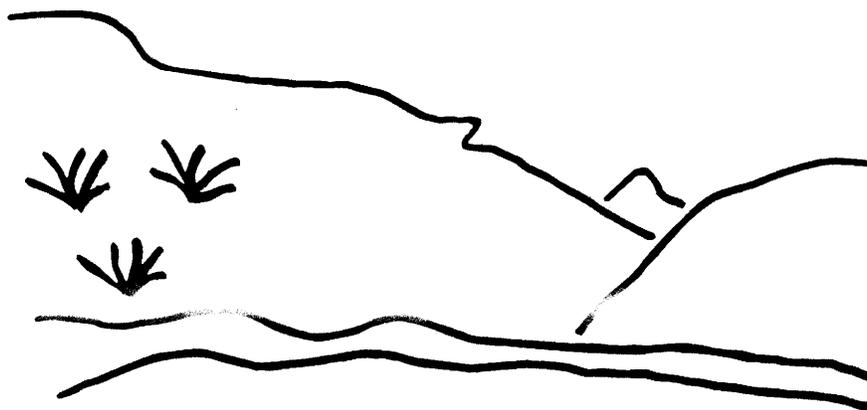
Enclosure

cc

Ranvir Singh, OSM
Tom Rasmussen, BLM
Mark Page, Water Rights w/o
Dave Ariotti, DEQ w/o
Derris Jones, DWR w/o
Price Field Office

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State of Utah



Utah Oil Gas and Mining

Coal Regulatory Program

Dugout Mine
Addition of Baseline Water Parameters
C/007/039-AM02F
Technical Analysis
June 24, 2002

INTRODUCTION

TECHNICAL ANALYSIS

INTRODUCTION

The following technical analysis is in response to an amendment submitted to the Division on June 7, 2002. The submittal is being made to clarify what parameters at what frequency are being collected during baseline sampling. Primarily, the parameters for baseline sampling have been added to Tables 7-4 and 7-5, with additional clarifying text changes. The amendment meets the minimum regulatory requirements.

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C/007/039-AM02F
June 24, 2002

INTRODUCTION

OPERATION PLAN

OPERATION PLAN

HYDROLOGIC INFORMATION

Regulatory Reference: 30 CFR Sec. 773.17, 774.13, 784.14, 784.16, 784.29, 817.41, 817.42, 817.43, 817.45, 817.49, 817.56, 817.57; R645-300-140, -300-141, -300-142, -300-143, -300-144, -300-145, -300-146, -300-147, -300-147, -300-148, -301-512, -301-514, -301-521, -301-531, -301-532, -301-533, -301-536, -301-542, -301-720, -301-731, -301-732, -301-733, -301-742, -301-743, -301-750, -301-761, -301-764.

Analysis:

Ground-water monitoring

Prior to the current submittal, the requirements outlining baseline were 'hidden' in an attached report / appendix. Table 7-4 has been modified to include the baseline monitoring requirements. The baseline parameters are identical to the recommended parameters outlined in Division Technical Directive 004. Other minor text changes have been added to clarify the sampling program.

Surface-water monitoring

As with the groundwater monitoring, the requirements for baseline sampling were not clearly defined. Table 7-5 has been modified to include the baseline monitoring requirements. Parameters are identical to the recommended parameters outlined in Division Technical Directive 004. Other changes include outlining the correct fork of Dugout Creek for the sample site descriptions, and other minor text changes. Sample sites DC-4, DC-5, PC-1A, PC-2 and RC-1 are not being sampled for 'Oil and Grease' since they are located outside the area influenced by mining related disturbance.

Findings:

The application adequately addresses the minimum regulatory requirements of the Operation Plan – Hydrologic Information section of the regulations.