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Canyon Fuel Company, LLC  
Skyline Mines  
P.O. Box 719  
Helper, Utah 84526  
435/448-6463 Fax: 435/448-2632

28 December 1999

Coal Regulatory Program  
Attn: Mr. Daron Haddock  
Permit Supervisor  
Utah Division of Oil, Gas and Mining  
1594 West North Temple, Suite 1210  
Salt Lake City, UT 84114-5801

~~ACT/007/005~~ ~~FILE #6~~  
Route Daron X Mike X  
Then Sheila

RE: Third Quarter 1999 Waste Rock Pile Report for the Skyline Mines

Dear Mr. Haddock:

As required by the Skyline Mines Mining and Reclamation Plan, a copy of the certified inspection report for the Waste Rock Pile for the third quarter of 1999 is being submitted to the Division. It is important to note the site is usually inspected at least once a month when accessible by a mine engineer (Mr. Gary Taylor) for stability and overall compliance with the M&RP. However, we did not certify the third quarter inspection until October of this year. Approximately 4,111 tons of waste rock was placed at the site during the third quarter of 1999. Copies of the results of the laboratory analysis of the waste rock samples obtained as required as part of the sampling program are attached. None of the waste rock sample exceeded the limits described in Table 6 of the Division's Guidelines for soil analysis. If you have questions regarding this report, please contact me at (435) 448-2669.

Sincerely,

Chris D. Hansen  
Environmental Coordinator  
Canyon Fuel Company, LLC

attachments

RECEIVED

DEC 28 1999

DIVISION OF OIL, GAS & MINING

Permit Number	ACT/007/005	Report Date	28 October 1999
ine Name	Skyline Mines		
Company Name	Canyon Fuel Company, LLC		
Excess Spoil Pile or Refuse Pile Identification	Pile Name	Skyline Waste Rock Site	
	Pile Number	NA	
	MSHA ID Number	42-01566	
Inspection Date	28 October 1999		
Inspected By	Doug Johnson		
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)	Quarterly		
	Attachments to Report? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes		

**Field Evaluation**

- Foundation preparation, including the removal of all organic material and topsoil.  
Not Applicable. Site was grubbed and waste material placed prior to this inspection.
- Placement of underdrains and protective filter systems.  
Not Applicable
- Installation of final surface drainage systems.  
Not Applicable
- Placement and compaction of fill materials.  
Fill is currently being placed in an expansion area of the waste rock site. The material is compacted using standard procedures. Normal compaction procedure includes the use of a drum roller and dozer.

5. Final grading and revegetation of fill.

Contemporaneous reclamation is occurring as the waste area is backfilled. Final grading and seeding are occurring as part of contemporaneous reclamation. Vegetation appears to be adequate at this time.

6. Appearances of instability, structural weakness, and other hazardous conditions.

No instability, structural weakness, or other hazardous conditions appeared to exist in the waste rock pile. However, a portion of a south facing slope reclaimed several years ago as part of an AML project exhibited minor slope failure. The failure appears to be approximately 18 feet wide, 35 feet long, and 3 to 4 feet deep. The majority of the slope will be covered as the waste site is backfilled.

7. Other Comments. Describe any changes in the geometry of the Excess Spoil/Refuse Pile structure, instrumentation, average and maximum lifts of materials placed in the pile, elevations of active benches, total and remaining storage capacity of the structure, evidence of fires in the pile and abatement of such fires, volumes of materials placed in the structure during the year, and any other aspect of the structure affecting its stability or function which has occurred during the reporting period.

A total of 4,111 tons of waste rock have been hauled to the site in the third quarter of 1999.

Undisturbed runoff from the unnamed tributary to UP Canyon near the northeast corner of the waste rock site is temporarily being routed past the waste backfilling operations. The water is diverted through a six-inch ABS pipe. The flow discharges from the pipe into an existing ditch that reports to UP Canyon.

The remaining storage capacity of the waste rock site is approximately 31,000 tons.

Certification Statement

I hereby certify that; I am experienced in the construction of earth and rock fills; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of earth and rock fills in accordance with the certified and approved designs for this structure; that the fill structure has been maintained in accordance with approved design and meet or exceed the minimum design requirements under all applicable federal, state and local regulations; that all inspections and inspection reports are made by myself and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability.

[Cert. Stamp]

*Douglas E Johnson*

By: DOUGLAS E. JOHNSON, MGR. TECH. SUPPORT  
(Full Name and Title)

Signature: *Douglas E Johnson* Date: 11-1-99

P.E. Number & State: 5566, UTAH



Phone (505) 326-4737 Fax (505) 325-4182

Inter-Mountain Laboratories, Inc.

2506 West Main Street, Farmington, NM 87401

October 12, 1999

Mr. Chris Hansen  
Canyon Fuel Company, LLC  
PO Box 719  
Helper, UT 84526

Dear Mr. Hansen:

Enclosed are the results of the analyses performed on the soil samples received by IML on September 21, 1999. The samples were labeled Skyline Mine, and correspond to IML lab numbers 0399S04792 - 99. The requested analytical suite for each sample was Utah Guidelines, Table 6.

If you have any questions, please feel free to contact me at 1-800-828-1409.

Sincerely,

Eric J Jaquez  
Soil Lab Supervisor  
IML - Farmington, NM

Enclosure: analytical report



InterMountain Laboratories, Inc.

2506 West Main Street

Farmington, New Mexico 87401

Tel. (505) 326-4737

**Canyon Fuel Co.**

Helper, UT

Client Project ID: Skyline Mine

Date Received: 09/21/99

IML Project #0399S04792

Report Date: 10/12/99

Lab Id	Sample Id	Depths	pH	EC	Saturation	Ca	Mg	Na	SAR	Sand	Silt	Clay	Texture
			s.u.	mmhos/cm	%	meq/L	meq/L	meq/L		%	%	%	USDA
0399S04792	GOB #1	N/A	8.5	2.57	32	21	9.8	2.6	0.65	76	16	8	SL
0399S04793	GOB #2	N/A	7.4	0.62	45	2.8	2.4	0.83	0.52	84	10	6	LS
0399S04794	GOB #3	N/A	7.3	0.51	49	2.3	1.9	0.88	0.61	87	9	4	LS
0399S04795	GOB #4	N/A	7.3	0.97	38	4.7	4.1	1.2	0.59	74	16	10	SL
0399S04796	GOB #5	N/A	7.3	1.19	37	6.4	5.6	1.4	0.58	74	16	10	SL
0399S04797	GOB #6	N/A	7.4	1.00	40	5.1	4.2	1.1	0.52	78	14	8	SL
0399S04798	GOB #7	N/A	7.4	1.01	42	5.2	4.4	1.3	0.61	77	14	9	SL
0399S04799	GOB #8	N/A	7.4	1.14	39	6.1	5.0	1.4	0.62	75	16	9	SL



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Client Project ID: Skyline Mine

Date Received: 09/21/99

IML Project #0399S04792

Report Date: 10/12/99

Lab Id	Sample Id	Depths	Total Sulfur %	AcidBase Total S $\mu$ /kt	Neutral. Potential $\mu$ /kt	ABP Total S $\mu$ /kt
0399S04792	GOB #1	N/A	0.42	13.1	92.0	78.9
0399S04793	GOB #2	N/A	0.50	15.6	24.3	8.7
0399S04794	GOB #3	N/A	0.60	18.7	25.2	6.5
0399S04795	GOB #4	N/A	0.53	16.6	24.3	7.8
0399S04796	GOB #5	N/A	0.52	16.2	28.0	11.8
0399S04797	GOB #6	N/A	0.55	17.2	28.0	10.8
0399S04798	GOB #7	N/A	0.56	17.5	29.9	12.4
0399S04799	GOB #8	N/A	0.52	16.2	30.3	14.1



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Date Received: 09/21/99

IML Project #0399S04792

Report Date: 10/12/99

Lab Id	Sample Id	Depths	Boron	Selenium	TOC	Nitrogen	TKN	1/3 Bar	15 Bar
			mg/Kg	ABDTPA mg/Kg	%	Nitrate mg/Kg	%	Water %	Water %
0399S04792	GOB #1	N/A	1.1	0.02	6.1	0.5	0.40	13.0	5.6
0399S04793	GOB #2	N/A	0.6	0.04	7.3	0.3	0.49	12.2	7.0
0399S04794	GOB #3	N/A	0.7	0.02	9.2	0.3	0.65	13.1	7.5
0399S04795	GOB #4	N/A	0.8	0.09	7.5	0.4	0.50	11.8	6.7
0399S04796	GOB #5	N/A	0.8	0.10	6.9	0.4	0.49	12.6	6.4
0399S04797	GOB #6	N/A	0.7	0.10	7.6	0.3	0.55	11.9	6.7
0399S04798	GOB #7	N/A	0.7	0.09	7.8	0.3	0.51	11.2	6.7
0399S04799	GOB #8	N/A	0.8	0.10	8.1	0.4	0.52	14.0	6.6



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			s.u.	mmhos/cm	%	meq/L	meq/L	meq/L		%	%	%	USDA
0399S04796	GOB #5	N/A	7.3	1.19	37	6.4	5.6	1.4	0.58	74	16	10	SL
0399S04796D	GOB #5	N/A	7.3	1.19	37	6.6	5.8	1.5	0.60	74	16	10	SL



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IML Project #0399S04792

Date Received: 09/21/99

Report Date: 10/12/99

Lab Id	Sample Id	Depths	Total	AcidBase	Neutral.	ABP
			Sulfur	Total S	Potential	Total S
			%	1/kt	1/kt	1/kt
0399S04796	GOB #5	N/A	0.52	16.2	28.0	11.8
0399S04796D	GOB #5	N/A	0.51	15.9	28.0	12.1



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Date Received: 09/21/99

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Lab Id	Sample Id	Depths	Boron mg/Kg	Selenium ABDTPA mg/Kg	TOC %	Nitrogen Nitrate mg/Kg	TKN %	1/3 Bar Water %	15 Bar Water %
0399S04796	GOB #5	N/A	0.8	0.10	6.9	0.4	0.49	12.6	6.4
0399S04796D	GOB #5	N/A	0.8	0.10	7.6	0.3	0.45	13.2	6.5



