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DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

July 1, 2014

Ken May, General Manager
Canyon Fuel Company, LLC
597 South SR24
Salina, Utah 84654

Subject: 2013 Annual Report Review Completion, Sufco Mine, C/041/0002, Task ID #4554

Dear Mr. May:

The Division staff has completed the review of the 2013 Annual Report. Enclosed is a copy of the review with each reviewer's comments completed on July 1, 2014.

Thank you for your diligence in completing the Annual Report. If you have any questions, please call me at (801) 538-5325.

Sincerely,

Daron R. Haddock
Coal Program Manager

DRH/sqs
Enclosure
O:\041002.SUF\WG4554\Task 4554 ReviewCompletionLetter.doc

Print Form

Submit by Email

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Annual Report

This Annual Report shows information the Division has for your mine. Submit the completed document and any additional information identified in the Appendices to the Division by the date specified in the cover letter. During a complete inspection an inspector will check and verify the information.

GENERAL INFORMATION			
Company Name	Canyon Fuel Company, LLC	Mine Name	SUFCO Mine
Permit Number	C/041/0002	Permit expiration Date	May 21, 2017
Operator Name		Phone Number	+1 (435) 286-4480
Mailing Address	597 South SR24	Email	vmiller@bowieresources.com
City	Salina		
State	UT	Zip Code	84654

DOGM File Location or Annual Report Location

Excess Spoil Piles

- Required
- Not Required

Refuse Piles

- Required
- Not Required

Attached

Impoundments

- Required
- Not Required

Attached

Other:

OPERATOR COMMENTS

REVIEWER COMMENTS

- Met Requirements
- Did Not meet Requirements

Impoundments and Refuse piles were properly inspected and reports were included with the annual report. Impoundment and refuse pile annual inspections were completed on 9-30-13 and were certified properly by a P.E.

COMMITMENTS AND CONDITIONS

The Permittee is responsible for ensuring annual technical commitments in the Mining and Reclamation Plan and conditions accepted with the permit are completed throughout the year. The Division has identified these commitments below and has provided space for you to report what you have done during the past year for each commitment. If additional written response is required, it should be filed as an attachment to this report.

Title: **RAPTOR SURVEYS**

Objective: To determine if there are active nest sites and the number of juveniles fledged within 1/2 mile of surface mining activities or areas that may be impacted by subsidence. The surveyor should obtain nest location data from DWR prior to conducting the survey. All data collected should be provided to DWR to update the database.

Frequency: Annually

Status: Ongoing

Reports: Annual

Citation: MRP, Volume 1, Chapter 3, page 3-9

Operator Comments

See attached.

Reviewer Comments Met Requirements Did Not Meet Requirements

The survey was conducted on May 5, 6, 29 and 30 in accordance with the Coal Program guidelines covering 25 known nests. One active eagle nest with one juvenile that fledged and three new redtailed hawk nests in the waste rock survey area.

Title: **COLOR INFRARED PHOTOGRAPHY**

Objective: To assess changes in vegetation due to mining. Photos submitted after 2008 must include an analysis between 2008 and current photos to assess changes in vegetation due to subsidence.

Frequency: Once every 5 years beginning in 2008.

Status: 2008 photos completed, Photos and analysis due in 2013.

Reports: Annual

Citation: MRP, Volume 1, Chapter 3, page 3-45, Chapter 5, page 5-29

Operator Comments

Submitted to the Division as part of an amendment in February. Summary is attached to this annual report refer the the amendment for copies of photos, which will eventually be incorporated into an appendix of the permit.

Reviewer Comments Met Requirements

Did Not Meet Requirements

Some cursory analysis has been completed in comparing the 2008 and 2013 photos. There are many variable associated with this type of comparison and as such the Division is suggesting that a representative from the mine, Division and qualified botanist determine if these photos can provide the information needed to assess changes in vegetation.

Title: PINES TRACT VEGETATION STUDY

Objective: To determine if longwall mining in the Pines Tract would potentially impact the Link Canyon Trail Columbine. The survey will include the portions of Box Canyon.

Frequency: Annually

Status: Ongoing

Reports: Annual

Citation: MRP, Volume 1, Chapter 3, Page 3-22B, page 3-45 A.

Operator Comments

Submitted to the Division as part of an amendment in February. Summary is attached to this annual report, the study will eventually be incorporated into an appendix of the permit.

Reviewer Comments Met Requirements

Did Not Meet Requirements

Title: LINK CANYON PORTAL VEGETATION STUDY

Objective: To determine if there are any impacts to the vegetation surrounding the portal area.

Frequency: Annually, June, September and November

Status: Ongoing, **Please include a determination regarding the impact of the portals on the area's vegetation.**

Reports: Annual

Citation: MRP, Volume 1, Chapter 3, page 3-45A

Operator Comments

Submitted to the Division as part of an amendment in February. Reports are attached to this annual report, but will eventually be incorporated into an appendix of the permit.

Reviewer Comments Met Requirements

Did Not Meet Requirements

This information was submitted to the Division as part of an amendment in February and approved. This commitment has been fulfilled, no further monitoring is required.

Title: SUBSIDENCE MONITORING

Objective: To document the amount of subsidence that has occurred.

Frequency: Annually

Status: Ongoing

Reports: Annual

Citation: MRP, Volume 1, Chapter 5, page 5-29

Operator Comments

See attached.

Reviewer Comments Met Requirements

Did Not Meet Requirements

A subsidence monitoring analysis was included with the annual report. The analysis discuss the subsidence that was observed (through aerial photometry) in specific subsidence zones or Areas. Areas 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, and 12, are all considered to be dormant. Photographic coverage for these areas can be obtained if circumstances deem it necessary. Longwall mining in Area 13 and Area 14 was completed in 2012 with a maximum subsidence detected to date of 7 feet in Area 13 and 5 feet in Area 14. Yearly monitoring of Area 13 and Area 14 will continue until it is determined that subsidence has ceased. Longwall mining in Area 15 is active. Subsidence monitoring will continue for this area. A map was included with the analysis. (JCO)

Title: CLIMATOLOGICAL DATA

Objective: Collect climatological data to aid in determining the impact to runoff, stream flow and local springs from mining.

Frequency: Annually

Status: Ongoing

Reports: Annual

Citation: MRP, Volume 2, page 7-51E

Operator Comments

See attached

Reviewer Comments Met Requirements

Did Not Meet Requirements

A report prepared by Peterson Hydrologic was submitted as part of the annual report, comparing weather data and stream discharge data for the region around Sufco. The PHDI indicates that the first eight months of 2013 were in drought conditions, but beginning in September the PHDI transitioned to mildly wet conditions. A 7 day series of thunderstorms in September 2013 accounted for 30% of the years precipitation. (ad)

Title: WASTE ROCK SAMPLING

Objective: To document chemical characteristics of waste rock and protect surface and groundwater. Quarterly sampling, Number of samples/volume not described. Refer to tables 3 and 8 in the Division's 2008 Soils and Overburden Handling Guide.

Frequency: Quarterly, during periods of deposition at the waste rock site.

Status: Ongoing

Reports: Annual, indicate frequency of sampling (#samples/volume).

Citation: MRP, Volume 3, Section 3, page 3-4

Operator Comments

See attached.

Reviewer Comments Met Requirements

Did Not Meet Requirements

The waste rock analysis begins on electronic page 38 of the Annual Report. One composite sample per quarter was analyzed by Intermountain labs/Sheridan. The analysis of the material suggests that it is alkaline and saline with elevated boron levels. The waste should be buried beneath four feet of cover. (Texture analysis was missing for these samples). There were 13,509 tons transported to the waste rock site in 2013. (Estimated density of 1.2 tons/cu yd.) (PWB - 6/30/2014).

FUTURE COMMITMENTS AND CONDITIONS

The following commitments are not required for the current annual report year, but will be required by the permittee in the future as indicated by the "status" field. These commitments are included for information only, and do not currently require action. If you feel that the commitment is no longer relevant or needs to be revised, please contact the Division.

OPERATOR COMMENTS (OPTIONAL)

REVIEWER COMMENTS

REPORTING OF OTHER TECHNICAL DATA

Please list other technical data or information that was not included in the form above, but is required under the approved plan, which must be periodically submitted to the Division.

Please list attachments:

Vegetation monitoring for the South Fork of Quitchupah, commitment to complete monitoring is in the monitoring plan

Reviewer Comments

MAPS

Copies of mine maps, current and up-to-date, are to be provided to the Division as an attachment to this report in accordance with the requirements of R645-301-525.240. The map copies shall be made in accordance with 30 CFR 75.1200 as required by MSHA. Mine maps are not considered confidential.

Map Name	Map Number	Included		Confidential	
		Yes	No	Yes	No
Annual subsidence map		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Mine Map		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Reviewer Comments Met Requirements Did Not Meet Requirements

The required maps were included with the annual report (JCO).