

0064



U. S. DEPT. OF THE INTERIOR OFFICE OF SURFACE MINING Mine Site Evaluation State Program

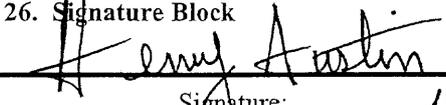


Incomple
4/007/005
Copy Wayne H.

NOV 01 2004

DIV. OF OIL, GAS & MINING

1. Permittee/Person CANYON FUEL CO.		9. Permit Number UT-007-005		Permit Type PP	
2. Address HC 35 BOX 380		11. Field Visit Date 09/15/2004 mm - dd - yyyy		12. Purpose O	
3. City Helper		4. State UT		13. SRA Present Y	
5. Zip Code 84526		6. Phone Number (435) 637-7925		14. Permit Status A	
7. Operator Name, if Different than Permittee .		15. Site Status AN		16. Facility Type BEFG	
8. Mine Name SKYLINE MINE		17. OSM Office # 140		18. CCID # .	
		19. Land Code F		20. M.S.H.A ID # 42-01566	
		21. State Abrev. UT		22. County Name CARBON	
		23. AVS Permittee Entity ID Number 060080		24. State Office .	

25. Hours		26. Signature Block		27. Reviewing Official:	
4.0	a. Permit Review	 Signature: 10/22/04 HENRY AUSTIN ID # 116 Printed Name: Date: 10/22/2004		 Signature: Review Date: 10/25/2004 mm - dd - yyyy Is Supplemental MSE Page Used Y/N Y	
4.0	b. Site Visit Time				
3.0	c. Travel Time				
2.0	d. Report Writing				

Permit Type — Item 10 IP = Interim Program, PP = Permanent Program, NP = No Permit

Purpose Type Codes Item 12

Oxx... Oversight	RFx... Reclamation Fees	CCR... Citizen Complaint Referral (non site visit)
Axx... Assistance	Fxx... Federal Actions	CC... Citizen Complaint (initial site visit)
		CCF... Citizen Complaint Follow-up

Joint Inspection — Item 13 A joint inspection is when a state inspector accompanies an OSM inspector any time during the review of the mine site.

Permit Status — Item 14

A... Active: Coal mining and reclamation activities occurring or permitted but not yet disturbed.	AB... Abandoned: All surface and underground coal mining activities have ceased and operator has left the site without completing reclamation as defined in 30 CFR 840.11(g)
IN... Inactive (Permanent Program Permit): Phase II completed or Temporary Cessation of Operations. (Interim Program Permit) Coal mining completed and reclamation activities initiated.	AB1.. Bond Forfeiture: Bond forfeiture officially in process or completed, and reclamation in progress or not yet commenced.
BR... Bond Release: Reclamation completed and State Regulatory Authority (RA) has released all of the bond (Phase III Release.)	AB2.. Partially Reclaimed Forfeiture: Forfeited site where all bonds have been used to reclaim site, but site not reclaimed to Program standards.
	AB3.. Reclaimed Forfeiture: Forfeited site that has been reclaimed to Program standards.
	NA... Not Applicable: When site is unpermitted.

Site Status Codes — Item 15

ND... No Disturbance: No coal mining and reclamation operations have been started.	MC... Mining Complete: No mining activity on site, site regraded and awaiting phase bond release.	NS... Non-Site Visit: Status of site not determined.
EX... Coal Exploration: Coal exploration operations have started and where coal mining operations have not begun.	TC... Temporary Cessation: The RA has granted cessation of mining pursuant to 30 CFR 816/817.131(b).	FP... Forfeiture Pending: The RA is pursuing actions to revoke the permit, collect the performance bond(s), and/or reclamation of forfeited site is in progress.
AP... Active Coal Producing: Coal surface mining activities are occurring.	P1... Phase I Release: At least Phase I bond release granted for entire permitted area. For interim permits, partial bond release.	FR... Forfeited and Reclaimed: Forfeiture reclamation completed.
AN... Active Non-Producing: Active non-producing facility such as tipple or preparation plant.	P2... Phase II Release: At least Phase II bond release for the entire permitted area.	FO... Abandoned Site: Abandoned site that is permitted but there is no bond.
NM... No Mining: The Permit Status is active, site is not in Temporary Cessation, no surface coal mining activity, and site not regraded.	P3... Phase III Release: Reclamation completed and the RA has released all bond.	WC... Wildcat: Coal mining and reclamation operations have or are taking place and the activity is not covered by the required permits from the RA.

Facility Type Codes — Item 16

A... Surface	D... Ancillary (Haulroad, Conveyor, and/or Rails)	H... Exploration Permits	L... Remining site permitted under 30 CFR 785.25
B... Underground	E... Refuse and/or Impoundment	I... Notice of Intent to Explore	
C... Preparation Plant	F... Loading Facility and/or Tipple	J... Exempt 16 and 2/3	
	G... Stockpiles	K... Government Financed Construction Exemption	

Small Business Regulatory Enforcement Fairness Act (SBREFA) Your Comments Are Important

The Small Business and Agriculture Regulatory Enforcement Ombudsman and 10 Regional Fairness Boards were established to receive comments from small businesses about Federal agency enforcement actions. The Ombudsman will annually evaluate the enforcement activities and rate each agency's responsiveness to small business. If you are a small business (a business with 500 or fewer employees including those of affiliates) and wish to comment on the enforcement or compliance activities of OSM, call 1-888-REG-FAIR (1-888-734-3247).

U. S. DEPT. OF THE INTERIOR OFFICE OF SURFACE MINING

Mine Site Evaluation

State Program
Continuation Page

Permittee/ Person CANYON FUEL CO.

Permit Number UT-007-005

Field Visit Date 09/15/2004

28. Performance Standard Categories

Codes: 1=Compliance, 2=Noncompliance, 3=Not Planned, 4=Not Started, 5=Noncompliance Identified Elsewhere, 6=Previously Cited

<p>A. Administrative</p> <ol style="list-style-type: none"> 1. ___ Mining within Valid Permit 2. ___ Mining within Bonded Area 3. ___ Terms & Conditions of Permit 4. ___ Liability Insurance 5. ___ Ownership and Control 6. ___ Temporary Cessation 7. ___ AML Rec. Fees -- Non-Respondent 8. ___ AML Rec. Fees -- Failure to Pay <p>B. Hydrologic Balance</p> <ol style="list-style-type: none"> 1. ___ Drainage Control 2. ___ Inspections & Certifications 3. ___ Siltation Structures 4. ___ Discharge Structures 5. ___ Diversions 6. ___ Effluent Limits 7. ___ Ground Water Monitoring 8. ___ Surface Water Monitoring 9. ___ Drainage -- Acid-Toxic Materials 10. ___ Impoundments 11. ___ Stream Buffer Zones <p>C. Topsoil & Subsoil</p> <ol style="list-style-type: none"> 1. ___ Removal 2. ___ Substitute Materials 3. ___ Storage and Protection 4. ___ Redistribution 	<p>D. Backfilling & Grading</p> <ol style="list-style-type: none"> 1. ___ Exposed Openings 2. ___ Contemporaneous Reclamation 3. ___ Approximate Original Contour 4. ___ Highwall Elimination 5. ___ Steep Slopes (includes downslope) 6. ___ Handling of Acid & Toxic Materials 7. ___ Stabilization (rills and gullies) <p>E. Excess Spoil Disposal</p> <ol style="list-style-type: none"> 1. ___ Placement 2. ___ Drainage Control 3. ___ Surface Stabilization 4. ___ Inspections & Certifications <p>F. Coal Mine Waste (Refuse Piles/Impoundments)</p> <ol style="list-style-type: none"> 1. ___ Drainage Control 2. ___ Surface Stabilization 3. ___ Placement 4. ___ Inspections and Certifications 5. ___ Impounding Structures <p>G. Use Of Explosives</p> <ol style="list-style-type: none"> 1. ___ Blaster Certification 2. ___ Distance Prohibitions 3. ___ Blast Survey/Schedule 4. ___ Warnings & Records 5. ___ Control of Adverse Effects 	<p>H. 1 Subsidence Control Plan</p> <p>I. Roads</p> <ol style="list-style-type: none"> 1. ___ Road Construction 2. ___ Certification 3. ___ Drainage 4. ___ Surfacing and Maintenance 5. ___ Reclamation <p>J. Signs & Markers</p> <ol style="list-style-type: none"> 1. ___ Signs 2. ___ Markers <p>K. ___ Distance Prohibitions</p> <p>L. Revegetation</p> <ol style="list-style-type: none"> 1. ___ Vegetative Cover 2. ___ Timing <p>M. ___ Postmining Land Use</p> <p>N. Other</p> <p>General _____</p> <p>Performance _____</p> <p>Category _____</p> <p>H <u>1</u> 1) <u>perennial stream subsidence</u></p> <p> ___ 2) _____</p> <p> ___ 3) _____</p>
--	---	---

Performance Standard Categories 30 CFR Counterpart

<p>A. Administrative.....(816/817.41-57)</p> <ol style="list-style-type: none"> 1. Valid Permit.....773.11 2. Mining within Bonded Area.....773.11 3. Terms & Conditions of Permit.....773.17 4. Liability Insurance.....800.60 5. Ownership and Control.....778.13 6. Temporary Cessation.....842.11(e) & 816/817.131 7. AML Rec. Fees -- Non-Respondant.....870.15(b) 8. AML Rec. Fees -- Failure to Pay.....870.15(a) <p>B. Hydrologic Balance.....(816/817.41-57)</p> <ol style="list-style-type: none"> 1. Drainage Control.....45 2. Inspections & Certifications.....49(a)(10) 3. Siltation Structures.....46 4. Discharge Structures.....47 5. Diversions.....43 6. Effluent Limits.....42 7. Ground Water Monitoring.....41(c) 8. Surface Water Monitoring.....41(e) 9. Drainage--Acid - Toxic Materials.....41(f) 10. Impoundments.....49 11. Stream Buffer Zones.....57 <p>C. Topsoil & Subsoil.....(816/817.22)</p> <ol style="list-style-type: none"> 1. Removal.....22(a) 2. Substitute Materials.....22(c) 3. Storage and Protection.....22(c) 4. Redistribution.....22(d) <p>D. Backfilling & Grading.....(816/817.95-107)</p> <ol style="list-style-type: none"> 1. Exposed Openings.....816/817.13, 14, 15, & 823.11 & 21 2. Contemporaneous Reclamation.....100 3. Approximate Original Contour.....102(a)(1) 4. Highwall Elimination.....102(a)(2) 5. Steep Slopes (includes downslope).....107 6. Handling of Acid & Toxic Materials.....102(c) 7. Stabilization (rills and gullies).....95(b) 	<p>E. Excess Spoil Disposal.....(816/817.71-74)</p> <ol style="list-style-type: none"> 1. Placement.....71(e) 2. Drainage Control.....71(f) 3. Surface Stabilization.....71(g) 4. Inspections & Certifications.....71(h) <p>F. Coal Mine Waste (Refuse Piles/Impoundments)(816/817.81-84)</p> <ol style="list-style-type: none"> 1. Drainage Control.....83(a) 2. Surface Stabilization.....83(b) 3. Placement.....83(c) 4. Inspections and Certifications.....83(d) 5. Impounding Structures.....84 <p>G. Use of Explosives.....(816/817.61-68)</p> <ol style="list-style-type: none"> 1. Blaster Certification.....61(c) 2. Distance Prohibitions.....61(d) 3. Blast Survey/Schedule.....62-64 4. Warnings & Records.....66 & 68 5. Control of Adverse Effects.....67 <p>H. Subsidence Control Plan.....(817.121-122)</p> <p>I. Roads.....(816/817.150-151)</p> <ol style="list-style-type: none"> 1. Road Construction.....150(c) 2. Certification.....151(a) 3. Drainage.....150(b)-151(d) 4. Surfacing and Maintenance.....150(e)-151(d) 5. Reclamation.....150(f) <p>J. Signs & Markers(816/817.11)</p> <ol style="list-style-type: none"> 1. Signs.....11(a),(b),&(c) 2. Markers.....11(a),(b),(d),(e),&(f) <p>K. Distance Prohibitions.....(761.11)</p> <p>L. Revegetation.....(816/817.111-116)</p> <ol style="list-style-type: none"> 1. Vegetative Cover.....111 & 116 2. Timing.....113 <p>M. Postmining Land Use.....(816/817.133)</p>
---	---

Mining Under Perennial Streams Evaluation “Burnout Canyon”

SKYLINE MINE

On September 15, 2004, OSM, DOGM, and industry representatives visited the Skyline Mine as part of a Utah regulatory program evaluation. The evaluation focused on potential subsidence and stream channel impacts to the Burnout Canyon perennial stream as a result of underground mining.

Mining Description

The mining operation consisted of longwall mining of north by northwest oriented panels between 1991 to January of 2004. Two seams were mined, 10 panels for the upper seam and four panels for the lower seam, with 9 to 15 feet of coal per seam. The overburden was 700 to 1,000 feet in depth and the Burnout Canyon stream flows entirely within the Blackhawk Formation. No in-stream mitigation was performed; however premining mitigation was conducted by constructing a fish ladder. Previous studies related to subsidence and stream channel characteristics have been conducted on the stream, primarily by the United States Forest Service.

Stream & Watershed Characteristics

The stream is located in the upper Huntington Creek drainage in the Manti-La Sal National Forest. The stream elevation is anywhere from 8,575 to 9,860 feet and the average precipitation ranges from 30 to 35 inches per year (measurements taken from a station approximately 4 miles to the northwest). The vegetation type around the stream consists of sage and upland grasses and the cover is in fair to good condition. A now abandoned underground gas pipeline was installed in the canyon prior to mining; and sheep grazing has resulted in some erosion.

There is no bedrock outcrop in the stream channel or immediately adjacent areas, and there are no “high flow” periods other than during spring snow melt runoff. The Blackhawk Formation has annealing properties of bentonite clay, a steady and consistent flow within the stream channel, a good vegetative cover along the streambed, and a deep alluvium in the flood zone. Good healing has occurred on surface subsidence cracks that expressed on the outcrops at the second confluence. Exploration borings were completed as monitoring wells in 1979, and the watershed is in overall good condition.

Visual Observations

The stream meanders and includes a small waterfall. Two monitoring wells collect data every 30 minutes. The water level in the deep well, or “Blackhawk,” has shown no effect and has been stabilized due to the mine being flooded. The water level of the shallow well, or “Starpoint,” has dropped due to the effects of subsidence.

A flattening zone of approximately 20 to 30 feet with some minor pooling in the stream channel was observed on the west end of the stream, just above where it enters Electric Lake. Some flattening of the channel has occurred and a small pond has developed at the headwaters area just above the second confluence. Eight feet of subsidence has occurred at the first confluence of the perennial stream, but no obvious surface effects were observed. Four to 12 feet of subsidence has occurred at the second confluence, where a flat grassy area was observed ponding water. Subsidence cracks were observed in the hillslope east of the ponding area and additional subsidence was noticed on the hillslope northwest of the ponding area. A track hoe has been used in this area to mitigate the cracks. The subsidence has led to the toppling of several trees in the area.

Based on the above considerations and observations, the fish habitat appears to be unaffected, total runoff is also unaffected, and no documented affects to stream water quality or quantity exist. Five flumes are still monitored and stream flows are monitored twice a month during the summer. No material damage has been documented to date from longwall mining and associated subsidence beneath the Burnout Canyon perennial stream.