

APPENDIX 1-1

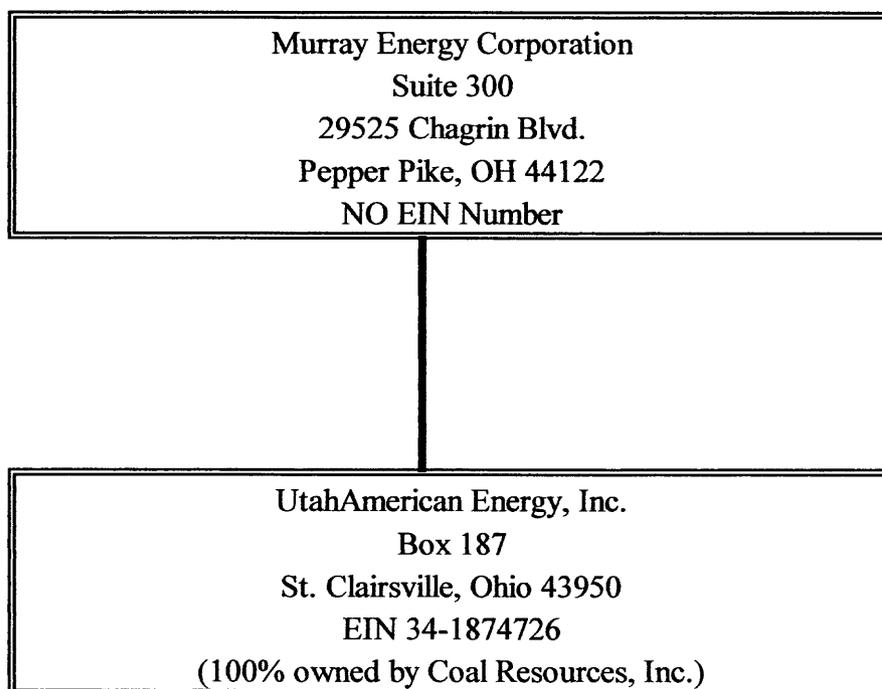
OWNERSHIP AND CONTROL

Information Can Be Found in Appendix 1-7 of Part "A" Horse Canyon.

Information was incorporated by DOGM on December 22, 1998
Information was again reviewed and approved during the mid term review.

Revised 11/7/03

**UtahAmerican Energy, Inc.
Family Tree (Ownership)**



**UtahAmerican Energy, Inc.
Additional Information Ownership & Control
November -1998**

Coal Resources, Inc, **EIN: 34-158-6390**
Suite 111
29525 Chagrin Blvd.
Pepper Pike, OH 44122

		<u>Date Assigned</u>
Share Holder	Robert E. Murray	
Director	Robert E. Murray	
President/CEO	Robert E. Murray	2/23/01
Secretary	Fmichael O. McKown	2/23/01
Treasurer	Michael D. Loiacono	2/23/01

Robert E. Murray
32 Cotswold Lane, Moreland Hills
Chagrin Falls, OH 44022
SSN: 295-36-8852

Michael D. Loiacono
7848 Oakridge Drive
Mentor, OH 44060
SSN: 206-36-6784

UtahAmerican Energy, Inc. (100% Owned by Coal Resources, Inc.) **EIN:34-187-4726**
Box 187
St. Clairsville, OH 43950

		<u>Date Assigned</u>
Share Holder	Murray Energy Corporation	
Director	Robert E. Murray	
President	Clyde Borrell	9/18/00
Vice President	To Be Named	
Secretary	Robert D. Moore	6/25/01

Robert E. Murray
32 Cotswold Lane, Moreland Hills
Chagrin Falls, OH 44022
SSN: 295-36-8852

Clyde Borrell
8 Barrington Drive
Wheeling, WV 26003
SSN: 523-76-2954

MURRAY ENERGY CORPORATION

29325 Chagrin Boulevard, Suite 300
Pepper Pike, Ohio 44122

Officers:

Robert E. Murray	President and Chief Executive Officer	2/23/01 2/23/01
Michael D. Loiacono	Treasurer	2/23/01
Michael O. McKown	Secretary	2/23/01

Incorporation Information:

State of Incorporation	Ohio; Charter No. 1211519
Date of Incorporation	February 23, 2001
ID #34-1956752	

Shareholder:

Robert E. Murray
(Sole Voting Shareholder)

Director:

Robert E. Murray	
Michael D. Loiacono	6/01/01
Michael O. McKown	6/01/01

AMCOAL HOLDINGS, INC.

Principal Office:

29325 Chagrin Boulevard
Suite 300
Pepper Pike, Ohio 44122

101 Prosperous Place
Suite 125
Lexington, Kentucky 40509

Officers:

Robert E. Murray	President	5/23/03
P. Bruce Hill	Vice President – Human Resources	10/01/98
Robert D. Moore	Treasurer	10/01/98
Michael E. Elliott	Secretary	6/12/98
Jeffrey L. Cash	Assistant Treasurer	11/01/99

Incorporation Information:

State of Incorporation: Ohio;
Charter No. 1007981

Date of Incorporation: June 12, 1998

ID #34-1867389

Shareholders: Murray Energy Corporation

Directors: Robert E. Murray

THE AMERICAN COAL COMPANY

Principal Office:

29325 Chagrin Boulevard
Suite 300
Pepper Pike, Ohio 44122

P. O. Box 727
Harrisburg, Illinois 62946

Officers:

Robert E. Murray	Acting President	11/02/02
Michael O. McKown	Vice President and General Counsel	3/15/99 3/15/99
P. Bruce Hill	Vice President – Human Resources	10/01/98
Robert D. Moore	Treasurer	10/01/98
Michael E. Elliott	Secretary	6/12/98
Jeffrey L. Cash	Assistant Treasurer and Assistant Secretary	11/01/99 6/01/01

Incorporation Information:

State of Incorporation Delaware;
Charter No. 2881631

Date of Incorporation June 2, 1998

ID #73-1543124

Shareholders: AmCoal Holdings, Inc.

Directors: Robert E. Murray

Revised: 11/02/02

THE AMERICAN COAL SALES COMPANY

29325 Chagrin Boulevard
Suite 300
Pepper Pike, Ohio 44122

Officers:

Robert E. Murray	Chief Executive Officer	11/11/88
B. J. Cornelius	President	9/08/95
Edwin D. Lane	Vice President	11/01/99
Stephen C. Ellis	Secretary	11/11/88
Michael D. Loiacono	Treasurer and Assistant Secretary	11/11/88
Duane A. Smith	Assistant Treasurer and Assistant Secretary	6/25/01 6/25/01
Brenda L. Murray	Assistant Secretary	4/04/95

Incorporation Information:

State of Incorporation	Ohio; Charter No. 727836
Date of Incorporation	June 29, 1988
ID #34-1603699	

Shareholder: Coal Resources, Inc.

Directors: Robert E. Murray
9/08/95

Revised 9/9/03

AMERICAN ENERGY CORPORATION

43521 Mayhugh Hill Road
Township Highway 88
Beallsville, Ohio 43716

Officers:

Robert D. Moore	President and Treasurer	6/25/01
Michael O. McKown	Secretary	11/01/99

Incorporation Information:

State of Incorporation	Ohio; Charter No. 00842695
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Date of Incorporation ID #31-1550443	April 12, 1993
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<u>Shareholder:</u>	Murray Energy Corporation
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<u>Director:</u>	P. Bruce Hill	7/02/01
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Revised 9/25/02

BELMONT COAL, INC.

P. O. Box 146
Powhatan, Ohio 43942

Officers:

Robert D. Moore	President	6/25/01
Vacant	Vice President	12/31/02
Kristi D. Brown	Secretary and Treasurer	11/08/01 11/08/01

Incorporation Information:

State of Incorporation Ohio;
Charter No. 00842697

Date of Incorporation April 12, 1993

ID #31-1536602

Shareholder: Murray Energy Corporation

Director: Duane A. Smith

COAL RESOURCES, INC.

29325 Chagrin Boulevard
Suite 300
Pepper Pike, Ohio 44122

Officers:

Michael O. McKown	Interim President	5/22/03
Robert D. Moore	Treasurer	6/25/01
Michael E. Elliott	Secretary	11/01/99
Robert L. Putsock	Assistant Secretary and Assistant Treasurer	6/25/01 6/25/01

Incorporation Information:

State of Incorporation	Ohio; Charter No. 717546
Date of Incorporation	January 29, 1988
ID #34-1586390	

Shareholder: Robert E. Murray

Director: Robert E. Murray

Revised 9/9/03

CANTERBURY COAL COMPANY

R. D. 1, Box 119
Avonmore, Pennsylvania 15618

Officers:

P. Bruce Hill	President and General Manager	6/25/01
Robert D. Moore	Secretary and Treasurer	6/25/01 6/25/01
Robert L. Putsock	Assistant Treasurer	1/02/03
Michael E. Elliott	Assistant Secretary	8/17/98
Elmer A. Mottillo	Assistant Secretary	1/02/03

Incorporation Information:

State of Incorporation Pennsylvania;
PA Entity #000055242

Date of Incorporation July 26, 1963

ID #25-1127473

Shareholder: Mill Creek Mining Company

Director: Charles E. Shestak

Revised: 3/27/03

ENERGY RESOURCES, INC.

P. O. Box 259
R. D.#2, Fermantown Road
Brockway, PA 15824

Officers:

Peter J. Vuljanic	President and Chief Executive Officer	4/30/93 4/30/93
Elmer A. Mottillo	Treasurer	8/22/03
Michael E. Elliott	Secretary	4/30/93
Charles E. Shestak	Assistant Secretary	4/30/93

Incorporation Information:

State of Incorporation	Pennsylvania; PA Entity #762734
Date of Incorporation	September 14, 1982
ID #31-1044044	

Shareholder: Mill Creek Mining Company

Director: Peter J. Vuljanic

KENAMERICAN RESOURCES, INC.

101 Prosperous Place
Suite 125
Lexington, Kentucky 40509

Officers:

P. Bruce Hill	Interim President	5/22/03
Robert D. Moore	Treasurer	5/23/03
Charles E. Shestak	Secretary	3/10/95

Incorporation Information:

State of Incorporation	Kentucky; Charter No. 0331655
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Date of Incorporation	June 9, 1994
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ID #61-1264385

<u>Shareholder:</u>	Mill Creek Mining Company
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<u>Director:</u>	Charles E. Shestak	3/10/95
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Revised 9/9/03

MAPLE CREEK MINING, INC.

Principal Office:

29325 Chagrin Boulevard
Suite 300
Pepper Pike, Ohio 44122

981 Route 917
Bentleyville, Pennsylvania 15314

Officers:

D. Lynn Shanks	President and General Manager	5/21/01 5/21/01
Michael D. Loiacono	Vice President and Treasurer	9/20/00 11/15/94
Stephen C. Ellis	Secretary	11/15/94
Roberta K. Heil	Assistant Secretary	11/01/99

Incorporation Information:

State of Incorporation Pennsylvania;
PA Entity #2607113

Date of Incorporation November 9, 1994

ID #25-1755305

Shareholder: Sunburst Resources, Inc. 1/11/95

Director: Robert E. Murray

MILL CREEK MINING COMPANY

P. O. Box 259
R. D. #2, Fermantown Road
Brockway, PA 15824

Officers:

Charles E. Shestak	President	8/18/98
Robert D. Moore	Treasurer	6/25/01
Michael E. Elliott	Secretary	8/18/98
Robert L. Putsock	Assistant Secretary and Assistant Treasurer	6/25/01 6/25/01

Incorporation Information:

State of Incorporation Pennsylvania;
PA Entity #0007447787

Date of Incorporation December 1, 1981

Certificate of Amendment July 7, 1988;
#8854525

ID #31-1040986

Shareholder: Coal Resources, Inc.

Director: Robert E. Murray

MONVALLEY TRANSPORTATION CENTER, INC.

P. O. Box 135
1060 Ohio Avenue
Glassport, Pennsylvania 15045

Officers:

Edward R. Moses	President and General Manager	10/15/01 10/15/01
Michael D. Loiacono	Vice President, Secretary and Treasurer	11/01/99 11/01/99 11/01/99
Roberta K. Heil	Assistant Secretary	8/01/00

Incorporation Information:

State of Incorporation	Pennsylvania; PA Entity #856918
Date of Incorporation	February 15, 1985
ID #25-1490495	

Shareholders: Pennsylvania Transloading, Inc.

Directors: Robert E. Murray and
Michael D. Loiacono 11/01/99

THE OHIO VALLEY COAL COMPANY

Principal Office:
56854 Pleasant Ridge Road
Alledonia, Ohio 43901

29325 Chagrin Boulevard
Suite 300
Pepper Pike, Ohio 44122

Officers:

John R. Forrelli	President and General Manager	11/01/99 11/01/99
Michael D. Loiacono	Treasurer, Assistant Secretary and Corporate Comptroller	11/01/99 12/20/90 12/20/90
Stephen C. Ellis	Secretary	5/25/88
Roberta K. Heil	Assistant Secretary	11/01/99
Bonnie M. Froehlich	Assistant Secretary and Assistant Treasurer	6/25/01 6/25/01

Incorporation Information:

State of Incorporation Ohio;
Charter No. 384971

Date of Incorporation June 6, 1969

Certificate of Amendment October 4, 1988;
#201274

ID #34-1041310

Shareholder: Ohio Valley Resources, Inc.

Director: Robert E. Murray

OHIO VALLEY RESOURCES, INC.

29325 Chagrin Boulevard
Suite 300
Pepper Pike, Ohio 44122

Officers:

John R. Forrelli	President	11/01/99
Michael D. Loiacono	Treasurer, Assistant Secretary and Corporate Comptroller	11/01/99 10/30/89 04/02/91
Stephen C. Ellis	Secretary	12/20/90

Incorporation Information:

State of Incorporation	Ohio; Charter No. 721514
Date of Incorporation	March 29, 1988
ID #34-1586391	

Shareholder: Murray Energy Corporation

Director: Robert E. Murray

THE OKLAHOMA COAL COMPANY

29325 Chagrin Boulevard
Suite 300
Pepper Pike, Ohio 44122

Officers:

Gregory C. Smith	President	11/01/99
Michael E. Elliott	Secretary	11/01/99
Robert D. Moore	Treasurer and Assistant Secretary	6/25/01 6/25/01
Robert L. Putsock	Assistant Secretary	1/10/03

Incorporation Information:

State of Incorporation Oklahoma;
Charter No. DB00477836

Date of Incorporation April 17, 1989

Licensed in Ohio February 27, 1991;
FL 790739

ID #34-1673480

Shareholder: The American Coal Sales Company

Director: Robert E. Murray

ONEIDA COAL COMPANY, INC.

29325 Chagrin Boulevard
Suite 300
Pepper Pike, Ohio 44122

Officers:

Robert D. Moore	President and Treasurer	6/25/01 11/01/99
Robert L. Putsock	Assistant Secretary	6/25/01
Michael E. Elliott	Secretary	11/01/99

Incorporation Information:

State of Incorporation West Virginia;
Charter No.
00000020004097TAX

Date of Incorporation August 29, 1983

ID #62-1011712

Shareholder: West Virginia Resources, Inc.

Director: Robert E. Murray

PENNAMERICAN COAL, INC.

R. D. 1, Box 119A
Avonmore, Pennsylvania 15618

Officers:

P. Bruce Hill	President	6/25/01
Robert D. Moore	Treasurer and Secretary	6/25/01 6/25/01
Robert L. Putsock	Assistant Secretary	6/25/01

Incorporation Information:

State of Incorporation	Pennsylvania; PA Entity #2545905
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Date of Incorporation	September 13, 1993
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ID #25-1722115

<u>Shareholder:</u>	Mill Creek Mining Co.	11/08/93
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<u>Director:</u>	Robert E. Murray
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PENNSYLVANIA TRANSLOADING, INC.

29325 Chagrin Boulevard
Suite 300
Pepper Pike, Ohio 44122

Officers:

D. Lynn Shanks	President	11/01/99
Michael D. Loiacono	Treasurer and Assistant Secretary	8/08/96 9/01/01
Stephen C. Ellis	Secretary	8/08/96

Incorporation Information:

State of Incorporation	Ohio; Charter No. 736747
Date of Incorporation	November 18, 1988
Qualified:	Pennsylvania; December 28, 1988
Certificate of Authority	No. 8898868
ID #34-1603748	

<u>Shareholder:</u>	Sunburst Resources, Inc.	4/01/96
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<u>Director:</u>	Robert E. Murray
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SPRING CHURCH COAL COMPANY

R. D. 1, Box 119
Avonmore, Pennsylvania 15618

Officers:

P. Bruce Hill	President	6/25/01
Robert D. Moore	Secretary and Treasurer	6/25/01 6/25/01
Robert L. Putsock	Assistant Treasurer	1/02/03
Michael E. Elliott	Assistant Secretary	8/17/98
Elmer A. Mottillo	Assistant Secretary	1/02/03

Incorporation Information:

State of Incorporation Pennsylvania;
PA Entity #000696663

Date of Incorporation November 2, 1979

ID #25-1372128

Shareholder: Mill Creek Mining Company

Director: Charles E. Shestak

Revised: 3/27/03

SUNBURST RESOURCES, INC.

586 National Road
Wheeling, West Virginia 26003

Officers:

John R. Forrelli	President	11/01/99
Michael D. Loiacono	Treasurer	3/25/95
Stephen C. Ellis	Secretary	3/25/95

Incorporation Information:

State of Incorporation Pennsylvania;
PA Entity #2616384

Date of Incorporation January 10, 1995

ID #25-1766427

Shareholder: Ohio Valley Resources, Inc. 4/01/97

Director: Robert E. Murray

TDK COAL SALES, INCORPORATED

P. O. Box 259
R. D. #2, Fermantown Road
Brockway, PA 15824

Officers:

Peter J. Vuljanic	President and Chief Executive Officer	2/01/99 2/01/99
Elmer A. Mottillo	Treasurer	8/22/03
Michael E. Elliott	Secretary	2/01/99
Charles E. Shestak	Assistant Secretary	2/01/99

Incorporation Information:

State of Incorporation Pennsylvania;
PA Entity #00758582

Date of Incorporation June 28, 1982

ID #25-1422374

Shareholder: Energy Resources, Inc.

Director: Peter J. Vuljanic

Revised: 8/22/03

UMCO ENERGY, INC.

29325 Chagrin Boulevard
Suite 300
Pepper Pike, Ohio 44122

Officers:

D. Lynn Shanks	President	11/01/99
Michael D. Loiacono	Treasurer and Assistant Secretary	10/14/96 10/14/96
Stephen C. Ellis	Secretary	10/14/96

Incorporation Information:

State of Incorporation	Pennsylvania; PA Entity #1072295
Date of Incorporation	December 29, 1988
ID #52-1615668	

Shareholder:

Maple Creek Mining, Inc.
and Estate of Duane
Southern

Director:

Robert E. Murray

UTAHAMERICAN ENERGY, INC.

P. O. Box 187
St. Clairsville, Ohio 43950

Officers:

Clyde I. Borrell	President and Treasurer	9/18/00
Robert D. Moore	Secretary and Assistant Treasurer	6/25/01 6/25/01

Incorporation Information:

State of Incorporation Utah;
Charter No. 212673

Date of Incorporation July 30, 1998

ID #34-1874726

Shareholders: Murray Energy Corporation

Directors: Robert E. Murray

WEST VIRGINIA RESOURCES, INC.

953 National Road
Suite 207
Wheeling, West Virginia 26003

Officers:

Robert D. Moore	President	10/20/00
Robert L. Putsock	Treasurer and Assistant Secretary	6/25/01 6/25/01
Michael E. Elliott	Secretary	11/01/99

Incorporation Information:

State of Incorporation West Virginia;
Charter No.
00913610154813604

Date of Incorporation December 27, 1991

ID #55-0713676

Shareholder: Mill Creek Mining Company

Director: Robert E. Murray

APPENDIX 1-2

CURRENT AND PREVIOUS COAL MINING PERMITS

Information Can Be Found in Appendix 1-9 of Part "A" Horse Canyon.

Information was incorporated by DOGM on December 22, 1998

Revised 11/07/03

Current and Previous Coal Mining Permits

Company	Belmont Coal, Inc.		EIN: 31-153-6602		
Address:	Permit #	State	Regulator Authority	MSHA #	Date Issued
Belmont Coal, Inc. Box 156 30799 PineTree Road Pepper Pike, Ohio 44124	D-0241	Ohio	ODNR	33-04397	7-31-97
	D-1020	Ohio	ODNR	33-03048	7-2-93
Company	KenAmerican Resources Inc.		EIN: 61-1264385		
Address:	Permit #	State	Regulator Authority	MSHA #	Date Issued
KenAmerican Resources Inc. 1008 South Broadway Lexington Kentucky 40504	889-5009	KY	DSMRK	1517606	10-25-94
Company	Onieda Coal Company Inc.		EIN: 62-1011712		
Address:	Permit #	State	Regulator Authority	MSHA #	Date Issued
Onieda Coal Co. Inc., 29525 Chagrin Boulevard, Suite 111 Pepper Pike, Ohio 44122	U0-359	WV	DEP	46-05243	2-20-92
	U0-524	WV	DEP	46-06043	2-28-92
	U0-620	WV	DEP	46-06213	2-28-92
	D-7-82	WV	DEP	46-06557	2-28-92
	D-47-81	WV	DEP	46-06557	2-28-92
	D-46-82	WV	DEP	46-06522	2-28-92
	U-2016-89	WV	DEP	46-07757	2-28-92
	P-154-81	WV	DEP	N/A	N/A
	P-62-81	WV	DEP	N/A	N/A
	P-2043-89	WV	DEP	N/A	N/A
	S-2004-87	WV	DEP	46-06766	2-28-92
	S-71-85	WV	DEP	46-06766	2-28-92

Company	MonValley Transportation Center Inc.		EIN: 62-1011712		
Address:	Permit #	State	Regulator Authority	MSHA #	Date Issued
MonValley Trans Center Inc. P.O. Box 135 1060 Ohio Avenue Glassport, PA 15045	02851602	PA	DEP	N/A	N/A
Company	Oklahoma Coal Co.		EIN: 34-1673480		
Address:	Permit #	State	Regulator Authority	MSHA #	Date Issued
The Oklahoma Coal Co. Suite 111, 29525 Chagrin Blvd Pepper Pike, Ohio 44122	D-0230	OH	DOR	N/A	N/A
Company	Maple Creek Mining Inc.,		EIN: 25-1755305		
Address:	Permit #	State	Regulator Authority	MSHA #	Date Issued
Maple Creek Mining Inc. 981 Route 917 Bentleyville, Pa 15314	63841302	PA	PA DEP	36-00970	1970
	63733706	PA	PA DEP	1211-PA20-0058-03	1970
	63723707	PA	PA DEP	1211-PA20-0058-04	1970

Company	Energy Resources, Inc.		EIN: 25-1755305		
Address:	Permit #	State	Regulator Authority	MSHA #	Date Issued
Energy Resources Inc. P.O. Box 259 Brockway, PA 15824	33840125	PA	DEP	36-02695	5-25-88
	33860102	PA	DEP	36-02695	5-25-88
	17880102	PA	DEP	36-02695	5-25-88
	33870113	PA	DEP	36-02695	5-25-88
	33830115	PA	DEP	36-02695	5-25-88
	24880101	PA	DEP	36-02695	5-25-88
	24880103	PA	DEP	36-02695	5-25-88
	24890108	PA	DEP	36-02695	5-25-88
	24900102	PA	DEP	36-02695	5-25-88
	24900104	PA	DEP	36-02695	5-25-88
	24900103	PA	DEP	36-02695	5-25-88
	24890101	PA	DEP	36-02695	5-25-88
	24890102	PA	DEP	36-02695	5-25-88
	24960101	PA	DEP	36-02695	5-25-88
Company	Canterbury Coal Company		EIN: 25-112473		
Address:	Permit #	State	Regulator Authority	MSHA #	Date Issued
Canterbury Coal Company R.D. No. 1, Box 119 Avonmore, PA 15618	SMP # 039000112	PA	DEP	3600813	N/A
	SMP # 03940111	PA	DEP	3605708	N/A
	CMAF 03841302	PA	DEP	N/A	N/A
	CRDA 03743701	PA	DEP	N/A	N/A
	CRDA 03950701	PA	DEP	N/A	N/A

Company	The Ohio Valley Coal Company		EIN: 34-1041310		
Address:	Permit #	State	Regulator Authority	MSHA #	Date Issued
The Ohio Valley Coal Company 56854 Pleasant Ridge Road Alledonia, OH 43902	D-3060	OH	ODNR	33-01159	25-May-88
Company	UMCO Energy, Inc.		EIN: 52-1615668		
Address:	Permit #	State	Regulator Authority	MSHA #	Date Issued
UMCO Energy, Inc. 29525 Chagrin Boulevard, Suite 111 Pepper Pike, OH 44122	63-921301	PA	DEP	N/A	N/A
Company	The American Coal Company		EIN: 73-1543124		
Address:	Permit #	State	Regulator Authority	MSHA #	Date Issued
The American Coal Company P.O. Box 727 Harrisburg, IL 62946	No. 2	IL	IDNR	11-02752	N/A
	No. 255	IL	IDNR	N/A	N/A
	No. 257	IL	IDNR	N/A	N/A
	No. 306	IL	IDNR	N/A	N/A
	No. 165804AAA	IL	IDNR	N/A	N/A
	No. 110061727	IL	IDNR	N/A	N/A
Company	PennAmerican Coal, L.P.		EIN: 25-1800809		
Address:	Permit #	State	Regulator Authority	MSHA #	Date Issued
PennAmerican Coal, L.P. R.D. No. 1, Box 119A Avonmore, PA 15618	32951301	PA.	MCM	36-00970	

APPENDIX 1-3

VIOLATION INFORMATION

Information Can Be Found in Appendix 1-8 of Part "A" Horse Canyon.

Information updated to November 2003

Name of Operation		Identifying number for operation			Federal or State Permit Number		MSHA ID Number	
Energy Resources, Inc.		470			License # 1465		3602695	
Date Issued	Violation Number	Name of Issuing Agency	Person Issued To	Permit Number	Brief Description of Violation	Status (Abated, Term. etc.)	Abatement Action	Appeal Y or N
09/20/00	247508	PaDEP	ERI	24880103	Failure to adequately reclaim affected area	Abated	Affected area was seeded & mulched	N
01/26/01	59441	PaDEP	ERI	24970102	Blasting at mine resulting in fly rock	Abated	Blasting company submitted plan to prevent future occurrences of fly rock	N
03/23/01	68345	PaDEP	ERI	24890101	Failure to maintain adequate e & s controls on haul road	Abated	E & S controls were repaired	N
11/19/01	85530	PaDEP	ERI	24970102	87.137	Abated	Corrected	
3/18/02	93073	PaDEP	ERI	17823701	Discharge not	Abated	Corrected	
9/10/02	101632	PaDEP	ERI	24970102	Failure to Backfill	Abated	Corrected	
11/5/02	106664	PaDEP	ERI	33901602	Discharge Not	Abated	Corrected	
1/9/03	107717	PaDEP	ERI	17823701	Discharge Not	Abated	Corrected	
2/10/03	108728	PaDEP	ERI	24970102	Failure to Backfill	Abated	Corrected	
3/25/03	117731	PaDEP	ERI	33901602	Discharge Not	Abated	Corrected	
4/22/03	118231	PaDEP	ERI	17823701	Discharge Not	Abated	Corrected	
		PaDEP	ERI	17841607	Discharge Not	Abated	Corrected	N

Name of Operation		Identifying number for operation			Federal or State Permit Number		MSHA ID Number	
TDK Coal Sales, Inc.		27182					3608867	
Date Issued	Violation Number	Name of Issuing Agency	Person Issued To	Permit Number	Brief Description of Violation	Status (Abated, Term. etc.)	Abatement Action	Appeal Y or N
8/11/00	52642	PaDEP	TDK	16910104	Failure to Backfill	Abated	Corrected	N
7/30/03	123260	PaDEP	TDK	33960109	Failure to Plant in	Abated	Corrected	N
8/05/03	123485	PaDEP	TDK	24970104	Allowing water to	Abated	Corrected	N
8/7/03	032047S	PaDEP	TDK	24970104	Failure to Pump Pit	Abated	Corrected	

Name of Operation		Identifying number for operation			Federal or State Permit Number		MSHA ID Number	
The Ohio Valley Coal Co.		Powhatan No. 6 Mine			State - D-0360		D-0360	
Date Issued	Violation Number	Name of Issuing Agency	Person Issued To	Permit Number	Brief Description of Violation	Status (Abated, Term. etc.)	Abatement Action	Appeal Y or N
								N

Name of Operation		Identifying number for operation			Federal or State Permit Number		MSHA ID Number	
The American Coal Co.		Millennium Portal			IDNR MINING PERMIT # 2 AND # 352		11 - 02752	
Galatia Mine								
Date Issued	Violation Number	Name of Issuing Agency	Person Issued To	Permit Number	Brief Description of Violation	Status (Abated, Term. etc.)	Abatement Action	Appeal Y or N
6-01-00	22-1-00	IDNR	DeNeal	Permit #2	Failure to submit Quarterly subsidence report on schedule	Abated	Submitted report	N
10-03-03	06-03	IDNR	DeNeal	Permit #2	Failure to abate Notice	Terminated		N
7/01/03	37-3-03	IDNR	DeNeal	Permit #2	Failure to submit subsidence plans	Terminated		N
5-21-03	37-2-03	IDNR	DeNeal	Permit #2	Failure to notify landowners of ug mining at six months	Terminated		N
4-11-02	22-1-02	IDNR	DeNeal	Permit #2	Failure to follow approved drainage control plan	Terminated		N

Name of Operation		Identifying number for operation			Federal or State Permit Number		MSHA ID Number	
Belmont Coal Company					D-0241/D-1020		33-04397/33-03048	
Date Issued	Violation Number	Name of Issuing Agency	Person Issued To	Permit Number	Brief Description of Violation	Status (Abated, Term. etc.)	Abatement Action	Appeal Y or N
9/11/00	21197	DMMRM	Breckenrig e	D-1020	Failure to complete backfilling within 180 days	Terminated	Completed backfilling & grading	N
12/14/00	CO 8614	DMMRM	Breckenrig e	D-1020	Failure to abate Nov 21197	Terminated	Completed backfilling & grading	Y
1/10/01	21902	DMMRM	Breckenrig e	D-1020	Failure to submit required surface water monitoring for 00	Non-Remedial	Non-Remedial	N

Name of Operation		Identifying number for operation		Federal or State Permit Number		MSHA ID Number		
Canterbury Coal Inc.		644		D-0241/D-1020		3600813/3605708		
Date Issued	Violation Number	Name of Issuing Agency	Person Issued To	Permit Number	Brief Description of Violation	Status (Abated, Term. etc.)	Abatement Action	Appeal Y or N
3/15/00	49882	PADEP		03743701	89.64	Abated		N
4/24/00	237666	PADEP		03743701	89.52	Abated		N
08/21/00	51520	PADEP		03743701	87.106	Abated		N
08/21/00	51521	PADEP		03743701	87.146	Abated		N
7/14/00	51830	PADEP		03743701	86.13	Abated		N
8/11/00	959162	PADEP		03743701	90.108 Failure to prop design, construct	Abated		N
8/11/00	959162	PADEP		03743701	90.124 Failure to inspect	Abated		N
8/11/00	52788	PADEP		03743701	90.106	Abated		N
9/14/00	247191	PADEP		03743701	90.102	Abated		N
10/06/00	54717	PADEP		03743701	89.52	Abated		N
11/14/00	247191	PADEP		03743701	90.102	Abated		N
11/14/00	247191	PADEP		03743701	90.106	Abated		N
11/14/00	56484	PADEP		03743701	89.52	Abated		N
02/14/01	64270	PADEP		03743701	90.124	Abated		N
05/16/01	73624	PADEP		03743701	90.106	Abated		N
05/16/01	73624	PADEP		03743701	90.108	Abated		N
6/20/01	79823	PADEP		03743701	86.13	Abated		N
6/20/01	79823	PADEP		03743701	89.58	Abated		N
12/10/01	88597	PADEP		03743701	90.124	Abated		N
01/22/02	87869	PADEP		03743701	86.13	Abated		N
02/13/02	87869	PADEP		03743701	86.13	Abated		N
9/05/02	101780	PADEP		03743701	90.109	Abated		N
9/05/02	101780	PADEP		03743701	90.122.Q	Abated		N
9/05/02	101780	PADEP		03743701	86.13	Abated		N
9/06/02	51520	PADEP		03743701	87.106	Abated		N

Name of Operation		Identifying number for operation		Federal or State Permit Number		MSHA ID Number		
UMCO Energy, Inc.		74645						
Date Issued	Violation Number	Name of Issuing Agency	Person Issued To	Permit Number	Brief Description of Violation	Status (Abated, Term. etc.)	Abatement Action	Appeal Y or N
12/20/01	292301	DMRM		63921301	86.143	Abated		N
1/23/02	294655	DMRM		63921301	89.52	Abated		N

Name of Operation		Identifying number for operation		Federal or State Permit Number		MSHA ID Number		
American Energy Corp.				D-0425		33-01070		
Date Issued	Violation Number	Name of Issuing Agency	Person Issued To	Permit Number	Brief Description of Violation	Status (Abated, Term. etc.)	Abatement Action	Appeal Y or N
9/13/01	21575	ODNR		D-0425	Disturbed outside of permit	Terminated	Revised permit	N
9/13/01	21542	ODNR		D-0425	Sediment Discharge into stream	Terminated	completed drainage structure	N
3/5/03	21579	ODNR		D-0425	Const slurry line	Terminated	Incidental boundary revision	N
3/27/03	21590	ODNR		D-1159	Pond #18 not certified	Terminated	Pond changed to sump	N
3/27/03	21591	ODNR		D-1159	Not all drainage to pond	Terminated	Small area drainage exemption	N
4/3/03	21584	ODNR		D-1159	construction prior to certification of approval	Terminated	completed & certified Pond #16	N
4/30/03	24383	ODNR		D-1159	affected acreage beyojnd approved area	Terminated	revised permit	N
7/2/03	24384	ODNR		D-0425	Did not submit 6 month notice letters ug mining to landowner	Non-remidial		

Name of Operation		Identifying number for operation		Federal or State Permit Number		MSHA ID Number		
Maple Creek Mining, Inc.		4244		63723707		36-00970		
Date Issued	Violation Number	Name of Issuing Agency	Person Issued To	Permit Number	Brief Description of Violation	Status (Abated, Term. etc.)	Abatement Action	Appeal Y or N
2/12/01	1004930	MCM		63723707	90.106	Abated		N
2/12/01	263310	MCM		63723707	90.125	Abated		N
2/12/01	263334	MCM		63841302	89.52	Abated		N
2/12/01	1004974	MCM		63841302	89.21	Abated		N
2/12/01	1004974	MCM		63841302	89.24	Abated		N
3/2/01	266327	MCM		63841302	89.52	Abated		N
3/2/01	266328	MCM		63841302	89.52	Abated		N
3/2/01	266332	MCM		63723707	90.102	Abated		N
5/2/01	281877	MCM		63841302	87.119	Abated		N
6/4/01	278131	MCM		63841302	89.52	Abated		N
6/18/01	291687	MCM		63841302	Other.89	Abated		N
8/14/01	1054168	MCM		63841302	89.58	Abated		N
6/21/01	285921	MCM		63841302	Other.89	Abated		N
7/9/01	290650	MCM		63841302	Other.89	Abated		N
8/15/01	1099139	MCM		63841302	Other.89	Abated		N
8/15/01	1099147	MCM		63841302	Other.89	Abated		N
8/30/01	287181	MCM		63841302	Other.89	Abated		N
8/31/01	290678	MCM		63841302	Other.89	Abated		N
9/6/01	287087	MCM		63841302	87.119	Abated		N
9/4/01	287097	MCM		63841302	87.119	Abated		N
10/10/01	281988	MCM		63841302	Other.89	Abated		N
10/18/01	287150	MCM		63841302	87.119	Abated		N
1/10/02	94386	Air Quality		63723707	123.1 Fugitive Dust	Abated		N
1/15/02	294887	MCM		63841302	89.26	Abated		N
1/15/02	294868	MCM		63841302	89.52	Abated		N
1/28/02	294874	MCM		63723707	90.134	Abated		N
1/22/02	294364	MCM		63723707	90.102	Abated		N
1/23/02	1092624	MCM		63921301	89.52	Abated		N
1/28/02	1093315	MCM		63723707	90.134	Abated		N
2/14/02	1102051	MCM		63841302	89.58	Abated		N
2/28/02	298872	MCM		63723707	90.102	Abated		N
3/15/03	1108544	MCM		63841302	89.52	Abated		N
4/2/02	1112242	Air Quality		63723707	123.1	Abated		N
4/09/02	1115037	MCM		63723707	90.102	Abated		N
5/20/02	1123884	MCM		63841302	Other.89	Abated		N
5/28/02	1125133	MCM		63841302	Other.89	Abated		N
5/28/02	1125138	MCM		63841302	Other.89	Abated		N

6/24/02	1146359	MCM		63841302	89.58	Abated		N
6/24/02	1146359	MCM		63841302	89.63	Abated		N
6/26/02	1145457	MCM		63841302	Other.89	Abated		N
7/1/02	1147839	MCM		63723707	90.106	Abated		N
7/1/02	1147839	MCM		63723707	90.109	Abated		N
7/23/02	1153866	MCM		63723707	90.102	Abated		N
7/29/02	1164000	MCM		63733706	90.102	Abated		N
9/6/02	1167323	MCM		63723707	86.11	Abated		N
9/6/02	1167323	MCM		63723707	90.106	Abated		N
9/6/02	1167323	MCM		63723707	90.122.Q	Abated		N
9/6/02	1167323	MCM		63723707	90.122.R	Abated		N
9/12/02	1168161	MCM		63841302	Other.89	Abated		N
9/6/02	1167323	MCM		63723707	90.149	Abated		N
9/26/02	1173779	MCM		63841302	89.55	Abated		N
9/26/02	1173779	MCM		63841302	89.56	Abated		N
10/2/02	1174589	MCM		63723707	90.102	Abated		N
10/11/02	1174605	MCM		63841302	89.21	Abated		N
10/18/02	1177289	MCM		63723707	90.102	Abated		N
10/18/02	1177289	MCM		63723707	90.106	Abated		N
12/13/02	1193936	MCM		63733706	90.122.Q	Abated		N
12/24/02	1196284	MCM		1196284	Other.89	Abated		N
1/23/03	1203340	MCM		63733706	90.134	Abated		N
1/31/03	103122	Air Quality		63723707	127.443	Abated		N
2/12/03	1004930	MCM		63723707	90.112	Abated		N
3/24/03	1220930	MCM		63841302	89.21	Abated		N
2/25/03	1101822	MCM		63723707	90.134	Abated		N
3/25/03	1220985	MCM		63723707	90.106	Abated		N
3/25/03	1220989	MCM		63733706	90.101	Abated		N
3/25/03	1220989	MCM		63733706	90.106	Abated		N
3/25/03	1220989	MCM		63733706	90.122.Q	Abated		N
3/25/03	1220989	MCM		63733706	90.134	Abated		N
6/4/03	1242435	MCM		63733706	Other.89	Abated		N
6/17/03	1144311	MCM		63723707	90.122.A	Abated		N

Name of Operation		Identifying number for operation			Federal or State Permit Number	MSHA ID Number		
PENNAMERICAN COAL LP		93081			32951301	36-00970		
Date Issued	Violation Number	Name of Issuing Agency	Person Issued To	Permit Number	Brief Description of Violation	Status (Abated, Term. etc.)	Abatement Action	Appeal Y or N
4/19/01	71965	Air Qual	Mine	1800809	123.1 Fugitive Emissions	Abated		N
11/25/02	106178	MCM	Mine	32951301	89.68 Ceasing oper w/o notify	Abated		N
11/25/02	106178	MCM	Mine	32951301	Other.89 Other bitum ug mining @ prep plant	Abated		N



State of Utah

MICHAEL O. LEAVITT
Governor

OLENE S. WALKER
Lieutenant Governor

Department of Community and Economic Development

DAVID HARMER
Executive Director

Division of State History / Utah State Historical Society

PHILIP F. NOTARIANNI
Division Director

November 4, 2003

R. Jay Marshall
Project Engineer
UtahAmerican Energy, Inc.
P. O. Box 986
Price UT 84501

RE: Horse Canyon Mine Reclamation Plan ACT/007/013

In Reply Please Refer to Case No. 03-1697

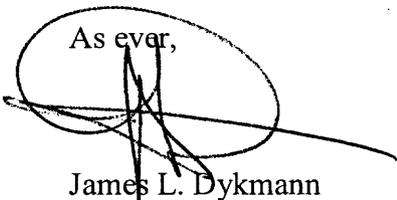
Dear Mr. Marshall:

The Utah State Historic Preservation Office received the referenced information on October 7, 2003. After consideration of the consultation request, the Utah Preservation Office provides the following comments per U.A.C. 9-8-404.

We received your letter and understand Utah American Energy, Inc. plans to donate approximately 896 acres of which 16.18 acres are within the Horse Canyon Mine Reclamation Plan, to the College of Eastern Utah for use as a field camp and or satellite campus. We concur with a No Historic Properties Affected determination for this project.

This information is provided to assist with Section 106 responsibilities as per U.A.C. 9-8-404. My email address is: jdykman@utah.gov

As ever,


James L. Dykman
Deputy State Historic
Preservation Officer - Archaeology

JLD:03-1697 OR

c: Priscilla Burton, Division of Oil, Gas and Mining

c: Brad King, V. P. Institutional Advance and Student Services, College of Eastern Utah,
451 East 400 North, Price, UT 84501

BRIGHAM YOUNG UNIVERSITY

Soil and Plant Analysis Laboratory

255 WIDB

Provo, UT 84602

801-422-2147

Plant and Animal Science Department

SOIL TEST REPORT AND RECOMMENDATIONS

Name Utah American Energy
Street P.O. Box 986
Price UT 84501
City State Zip

Date: 17-Oct-03
Time: 03:17 PM
Telephone: 650-3157

Sample Identification	Crop to be grown	pH	% Sand	% Silt	% Clay	Soil Texture	Cation Exchange meq/100g	% Organic Matter
10/6/03 14:30 Composite	Turf	7.48						

Soil Test	Results	Very Low	Low	Medium	High	Very High	Recomendations
Phosphorus ppm P	4.81	X					apply 2.1 lbs of P2O5/1000 sq ft
Potassium ppm K	67.20		X				apply 0.9 lbs of K2O/1000 sq ft
Salinity-ECE dS/m	0.58	X					no salinity problem
SAR-Sodium Absorption Ratio	0.90	X					no sodium hazard
Calcium-SAR ppm Ca	76.09						
Magnesium SAR ppm Mg	23.86						
Sodium SAR ppm Na	35.04						

Notes:

AFFIDAVIT OF PUBLICATION

STATE OF UTAH)

ss.

County of Emery,)

I, Ken Larson, on oath, say that I am the Publisher of the Emery County Progress, a weekly newspaper of general circulation, published at Castle Dale, State and County aforesaid, and that a certain notice, a true copy of which is hereto attached, was published in the full issue of such newspaper for 4 (Four) consecutive issues, and that the first publication was on the 30th day of September, 2003 and that the last publication of such notice was in the issue of such newspaper dated the 21st day of October, 2003.

Ken G. Larson

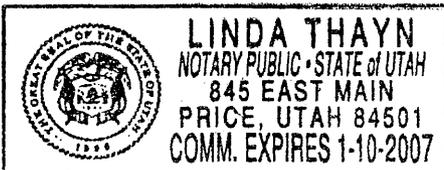
Ken G Larson - Publisher

Subscribed and sworn to before me this 21st day of October, 2003.

Linda Thayne

Notary Public My commission expires January 10, 2007 Residing at Price, Utah

Publication fee, \$ 463.20



PUBLIC NOTICE

**APPLICATION FOR POST MINING LAND USE CHANGE
HORSE CANYON MINE
UTAHAMERICAN ENERGY, INC.
PERMIT ACT/007/013**

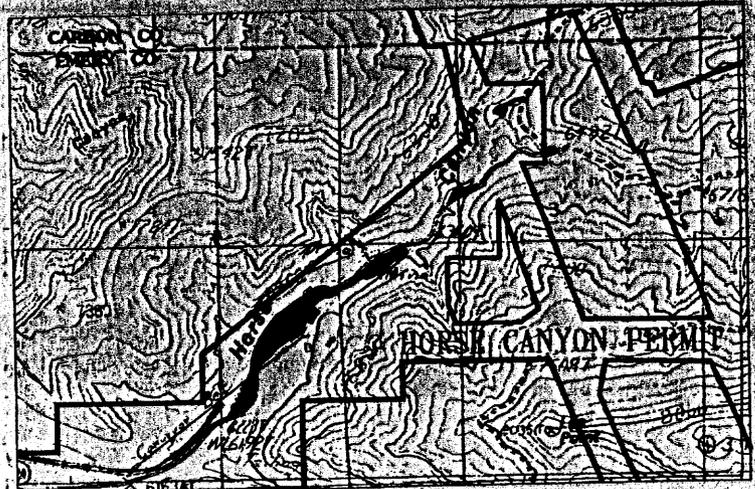
Notice is hereby given that UtahAmerican Energy, Inc., P.O. Box 986, Price, Utah 84501, has filed an administrative complete application with the Utah Department of Natural Resources, Division of Oil, Gas and Mining pursuant to R645-301-412 thru 414 for a Post Mining Land Use Change (PMLU) for portions of Permit ACT/007/013. The Post Mining Land Use Change applies to 16.18 acres of disturbed lands. The proposed post mine land use change will be from Wildlife to Residential/Recreational. Lands are proposed for donation to the College of Eastern Utah. The portion of the permit that is affected is located in Emery County, Utah and is contained in the following:

Township 16 South, Range 14 East, SLB&M

Section 4: NE4NE4SW4SE4, NW4NW4SE4SE4, SE4SE4NW4SE4, W2SW4NE4SE4, NE4SW4NE4SE4, S2NW4NE4SE4, NE4NW4NE4SE4, W2NE4NE4SE4, NE4NE4NE4SE4, Lot 9 S2SE4

Section 3: Lot 12 SW4, NW4SE4, SW4NE4, Lot 11 NW4NW4, Lot 6 NW4NE4, S2SW4, Lot 3 S2SE4

Comprising 16.18 acres more or less



The permit area is shown on the Lila Point U. S. Geological Survey 7.5-minute map.

The Utah Division of Oil, Gas and Mining will now evaluate the proposal to determine whether A meets all the criteria of the Permanent Program Performance Standards according to the requirements of the Utah Coal Mining Rules.

Written comments, objections and requests for information conferences on this proposal may be addressed to:

Utah Coal Program
Utah Division of Oil, Gas and Mining
1594 West North Temple, Suite 1210
P.O. Box 145801 Salt Lake City, Utah 84114-5801

Closing date for submission of such comments, objections and requests for public hearing or information conference on the proposal must be submitted by November 21, 2003.

Published in the Emery County Progress September 30, October 7, 14 and 21, 2003.

AFFIDAVIT OF PUBLICATION

STATE OF UTAH)

ss.

County of Carbon,)

I, Ken Larson, on oath, say that I am the Publisher of the Sun Advocate, a twice-weekly newspaper of general circulation, published at Price, State a true copy of which is hereto attached, was published in the full issue of such newspaper for 8 (Eight) consecutive issues, and that the first publication was on the 25th day of September, 2003, and that the last publication of such notice was in the issue of such newspaper dated the 21st day of October, 2003.

Ken G. Larson

Ken G Larson - Publisher

Subscribed and sworn to before me this 21st day of October, 2003.

Linda Thayne

Notary Public My commission expires January 10, 2007 Residing at Price, Utah

Publication fee, \$ 1,292.80

PUBLIC NOTICE

**APPLICATION FOR POST MINING LAND USE CHANGE
HORSE CANYON MINE
UTAHAMERICAN ENERGY, INC.
PERMIT ACT/007/013**

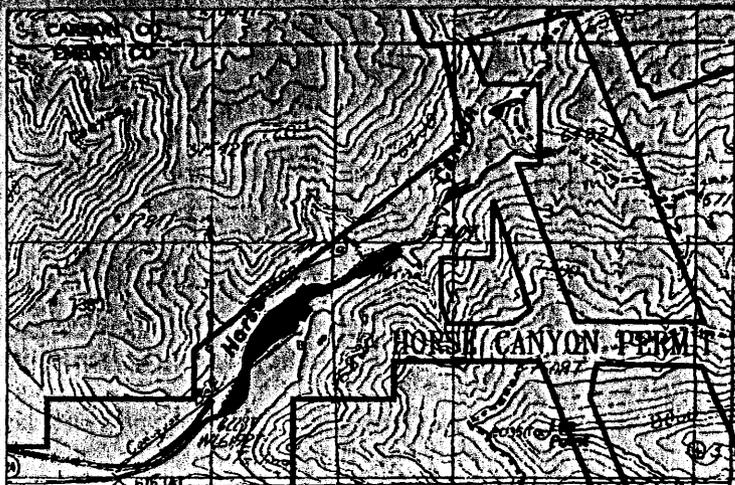
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Township 16 South, Range 14 East, SLB&M

Section 4: NE4NE4SW4SE4, NW4NW4SE4SE4, SE4SE4NW4SE4, W2SW4NE4SE4, NE4SW4NE4SE4, S2NW4NE4SE4, NE4NW4NE4SE4, W2NE4NE4SE4, NE4NE4NE4SE4, Lot 9 S2SE4

Section 3: Lot 12 SW4, NW4SE4, SW4NE4, Lot 11 NW4NW4, Lot 6 NW4NE4, S2SW4, Lot 3 S2SE4

Comprising 16.18 acres more or less



The permit area is shown on the Lila Point U. S. Geological Survey 7.5-minute map.

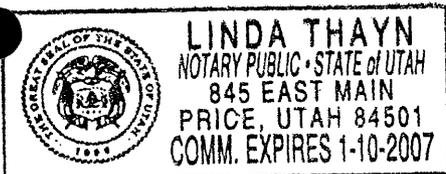
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Utah Coal Program
Utah Division of Oil, Gas and Mining
1594 West North Temple, Suite 1210
P.O. Box 145801 Salt Lake City, Utah 84114-5801

Closing date for submission of such comments, objections and requests for public hearing or information conference on the proposal must be submitted by November 21, 2003.

Published in the Sun Advocate September 25, 30, October 2, 7, 9, 14, 16 and 21, 2003.



Regrading, Reclamation, Stabilization and Revegetation Plan For Portal and Rock Dust Bin Post Mine Land Use Change (PMLU)

Portal Area : Two portal collars approximately 8' high, 16' wide and 2' thick in the form of an upside down "U" remain in an area not included in Phase II reclamation but designated for post mine land use change. The western most portal has been designated as the Fan portal and the eastern most portal the Man-Way portal (Exhibit A-3). An old metal temporary fan housing exists at the fan portal. An underground rock dust bin located in the portal pad will also be reclaimed.

Reclamation: The old metal fan housing will be dismantled and removed from site. The metal will either be salvaged or disposed of in an approved land fill. The two concrete collars will be removed 3' below ground level. The removed concrete will be disposed of in an approved land fill. The hole left from the removal of the concrete collar, shaped like an upside down "U", will be carefully filled using a track hoe. The fill material will be obtained by lowering the elevation of the pad adjacent to the rock dust bin. The total material needed to fill in the collar holes is less than 15 cyds. To minimize disturbance the material used to fill in the collar holes will be carefully placed with a track-hoe with the majority of the grading being done by hand, blending in with the existing reclaimed slope. The pad area will be lowered less than two feet, not even enough to reflect in the 5' contour lines.

The rock dust bin, which measures approximately 8' by 8' by 8', will be crushed and buried with a minimum of 4' cover. To minimize the fill material needed, the four pallets of rock dust located in the warehouse may be dumped into the bin prior to reclamation. It is estimated that an area of the pad measuring approximately 30 feet by 30 feet by 1' will be graded to fill in the rock dust bin. The grading of the pad will result in the pad being lowered less than two feet, not even enough to reflect in the 5' contour lines. The amount of fill needed is approximately 19 cyds.

Neither major regrading nor slope regrading is anticipated. Efforts will be made to minimize disturbance and to maintain the requested pad area,

Any runoff from the disturbed areas will be channeled using the existing ditch system and contained within sediment pond #2.

Revegetation: Disturbance at the portals are estimated at approximately 200 square feet. The disturbance at the rock dust bin and borrow areas adjacent to the bin are estimated at approximately 900 square feet. Both disturbances result in a disturbance of less than .03 acres. The disturbed area near the removed collars will be hand raked and will blend in to the existing undisturbed reclaimed slope. The area adjacent to the reclaimed rock dust bin will be pocked according to the approved MRP using a track hoe. Both areas will be hand seeded according to the approved MRP. The approved seed mix found in Table 8.4.2.4-1A of the approved MRP. (attached) will be used.

UPDES Point: As a result of conversations between Water Quality and DOGM it was determine that an acceptable way to reclaim the UPDES point was to prevent any discharge from the NPDES location. A simply way to fill in the decant pipe and prevent discharge will be to fill the decant bentonite. Water Quality concerns were to prevent any discharge from the pond. The decant pipe will be cut off at ground level and filled with bentonite to eliminate the potential of discharge. No grading, or Revegetation is anticipated. According to the Price Water Rights office, no water right will be required for the remaining pond. Once the reclamation work has been completed and concurrent with bond release, the NPDES point will be deactivated.

**Table 8.4.2.4-1A
Seed Mix used inPMLU**

Species	Seeds/lb	# Seeds per Acre Planted	%Mix Planted	Seeding Rate Lbs / acre	Seeds / ft ²	
<u>Grasses</u>						
Agropyron spicatum	117,000	435,600	10	3.72	10	
Elymus salinus	379,500	217,800	5	0.57	5	
Oryzopsis hymenoides	235,000	435,600	10	1.85	10	
Sporobolus cryptandrus	5,298,000	653,400	15	0.12	15	
Elymus cinereus	130,000	435,600	10	3.35	10	
Hilaria jamesii	470,000	435,600	10	0.93	10	
Subtotal					60	
<u>Forbs</u>						
Sphaeralcea grossulariaefolia	500,000	174,240	4	0.35	4	
Penstemon palmeri	610,000	217,800	5	0.36	5	
Linum lewisii	285,000	217,800	5	0.76	5	
Artemisia frigida	4,536,000	43,560	1	0.01	1	
Subtotal					15	
<u>Shrubs</u>						
Artemisia tridentata	2,576,000	217,800	5	0.08	5	
Atriplex canescens	52,000	130,680	3	2.51	3	
Cowania mexicana	64,600	217,800	5	3.37	5	
Pershia tridentata	15,000	261,360	6	17.42	6	
Ephedra viridis	24,955	261,360	6	10.47	6	
Subtotal					25	
TOTAL PER ACRE		15,293,065	4,356,000	100	45.90	100