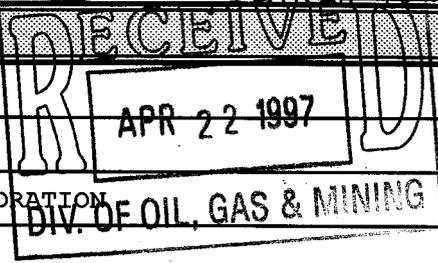


ACT/007/006  
*Salt Lake Copy*

**GENERAL INFORMATION**

1. Permit Number	ACT/007/006
2. Mine Name	STAR POINT MINES
3. Permittee Name	CYPRUS PLATEAU MINING CORPORATION
4. Operator Name (if other than Permittee)	
5. Permit Expiration Date	JANUARY 29, 2002
6. Company Representative, Title	JOHNNY PAPPAS Sr. ENVIRONMENTAL ENGINEER
7. Phone Number	(801) 637-2875
8. Fax Number	(801) 637-2247
9. Mailing Address	CYPRUS PLATEAU MINING CORPORATION
	P.O. DRAWER 7007
	PRICE, UTAH 84501
10. Resident Agent, Title	C.T. CORPORATION SYSTEM
Mailing Address	50 WEST BROADWAY
	SALT LAKE CITY, UT 84101



**IDENTIFICATION OF OTHER PERMITS**

Identify other permits which are required in conjunction with mining and reclamation activities.

Permit Type	ID Number	Description	Expires on
1. MSHA Mine ID(s)	42-00171	LEGAL IDENTITY	
2. MSHA Impoundment(s)	N/A		
3. NPDES/UPDES Permit(s) (water)	UT0023736	UPDES PERMIT	12/31/01
4. PSD (Air) Permit(s)	DAQE-886-96	APPROVAL ORDER	
5.			
6.			

**CERTIFIED REPORTS**

List the certified inspection reports as required by the rules and under the approved plan which must be periodically submitted to the Division. Specify whether the information is included as APPENDIX A to this Annual Report or currently ON FILE with the Division.

Certified Reports:	Reports Required?		INCLUDED or ON FILE w/DOGM?			Comments
	YES	NO	Y E S	NO	ON FILE	
1. Excess Spoil Files		X				
2. Refuse Files	X				X	
3. Impoundments	X				X	
4.						
5.						

**REPORTING OF OTHER TECHNICAL DATA**

List other technical data and information as required under the approved plan which must be periodically submitted to the Division. Specify whether the information is included as APPENDIX B to this Annual Report or currently ON FILE with the Division.

Technical Data:	Reports Required?		INCLUDED or ON FILE w/DOGM?			Comments
	YES	NO	Y E S	NO	ON FILE	
1. Climatological Data		X				
2. Subsidence Monitoring Data	X		X			
3. Vegetation Monitoring Data	X		X			
4. Soils Monitoring Data		X				
5. Water Monitoring Data	X				X	
First Quarter Report	X				X	
Second Quarter Report	X				X	
Third Quarter Report	X				X	
Fourth Quarter Report	X				X	
6. Geological/Geophysical Data		X				
7. Engineering Data		X				
8. Other Data						
Macrorinvertebrate Report		X				Not require for 1996

**LEGAL, FINANCIAL, COMPLIANCE AND RELATED INFORMATION**

Changes in administration or corporate structure can often bring about necessary changes to information found in the mining and reclamation plan. The Division is requesting that each permittee review and update the legal, financial, compliance and related information in the plan as part of the Annual Report. Provide the Department of Commerce, Annual Report of Officers, or other equivalent information as necessary to ensure that the information provided in the plan is current. Provide any other changes as necessary regarding land ownership, lease acquisitions, legal results from appeals of violations, or other changes as necessary to update information required in the mining and reclamation plan. Include any certified financial statements, audits or worksheets which may be required to meet bonding requirements. Specify whether the information is currently ON FILE with the Division or included as APPENDIX C to this Annual Report.

Legal/Financial Data:	Report Required?		INCLUDED or ON FILE w/DOGM?			Comments
	YES	NO	Y E S	NO	ON FILE	
1. Department of Commerce, Annual Report of Officers			X			
2. Other						

**MINE MAPS**

Copies of mine maps, current and up-to-date through at least December 31, 1996, are to be provided to the Division as APPENDIX D to this Annual Report in accordance with the requirements of R645-301-525.270. These map copies shall be made in accordance with 30 CFR 75.1200, as required by MSHA. Upon request, mine maps shall be kept confidential by the Division.

Map Number(s)	Map Title / Description	Confidential?
ON FILE WITH DAVE DARBY- HE	HAS ENTIRE MINE WORKINGS ON DISK - SEE DAVE	YES
W-4 AND W-5	WATTIS SEAM MINING FOR 1996	

**OTHER INFORMATION**

Please provide any comments or further information to be included as part of the Annual Report. Any other attachments are to be provided as APPENDIX E to this Annual Report.

Additional attachments to this report?  No  Yes


**Cyprus Plateau Mining Corporation**  
**9100 East Mineral Circle**  
**Englewood, Colorado 80112**

**List of Officers and Directors**

**OFFICERS**

R.J. Scott	President
G.J. Malys	Sr. Vice President
N.P. Moros	Sr. Vice President, Sales and Marketing
P.C. Wolf	Sr. Vice President, General Counsel and Secretary
F. J. Kane	Vice President and Treasurer
P.J. Panzarino	Vice President, Sales and Marketing
A.P. Childs	Vice President and General Manager
F.J. Wood	Vice President and Controller
F.S. Hakimi	Assistant Treasurer
J.D. Flemming	Director of Tax
S.J. Fetherhuff	Assistant Secretary
M.W. Kegley	Assistant Secretary
G.A. Walker	Assistant Secretary
D.E. Huffman	Assistant Secretary
S.E. Chetlin	Assistant Secretary

**DIRECTORS**

G.R. Spindler  
G.J. Malys  
P.C. Wolf

STATE OF UTAH  
 DEPARTMENT OF COMMERCE  
 DIVISION OF CORPORATIONS AND COMMERCIAL CODE



**PROFIT CORPORATION ANNUAL REPORT**

The following information is on file in this office. All profit corporations must file their annual reports and corrections within the month of their anniversary date. Failure to do so will result in Delinquency, Suspension, then Revocation or Involuntary Dissolution of the corporate charter.

**THIS BOX MUST BE COMPLETED**

CORPORATE NAME, REGISTERED AGENT, REGISTERED OFFICE, CITY, STATE & ZIP  
 CORPORATION # **099984**  
 F **09/13/82**  
 1. **CYPRUS PLATEAU MINING CORPORATION**  
 2. **C T CORPORATION SYSTEM**  
 3. **50 W BROADWAY 8TH FLOOR**  
 4. **SALT LAKE CITY UT 84101-2008**

**MAKE ALL CORRECTIONS IN THIS COLUMN**

Print New Agent Name \_\_\_\_\_ NEW AGENT MUST SIGN ABOVE \_\_\_\_\_

NEW REGISTERED STREET ADDRESS REQUIRED \_\_\_\_\_

New City) **UTAH** REGISTERED AGENT MUST BE IN UTAH (Zip) \_\_\_\_\_

**WHEN CHANGING THE REGISTERED AGENT THE NEW AGENT MUST SIGN.**

2. INCORPORATED IN THE STATE AND UNDER THE LAWS OF: **DELAWARE**

3. ADDRESS OF THE PRINCIPAL OFFICE IN THE HOME STATE.  
**PO DRAWER PMC**  
**PRICE UT 84501**

Street Address \_\_\_\_\_ (State or Country) \_\_\_\_\_  
 (City) \_\_\_\_\_ (Zip) \_\_\_\_\_

7. BUSINESS PURPOSE: **BITUMINUS COAL(UNDERGROUND)**

**DOMESTIC, PROFIT CORPORATIONS ARE REQUIRED TO LIST A CORPORATE OFFICER.**

**OFFICERS**

3. PRESIDENT **R J SCOTT**  
 ADDRESS **9100 E MINERAL CR**  
 CITY, STATE & ZIP **ENGLEWOOD CO 80155**

1. VICE PRESIDENT **K. H. STEBER**  
 ADDRESS **9100 E MINERAL CR**  
 CITY, STATE & ZIP **ENGLEWOOD CO 80155**

0. SECRETARY **PC WOLF**  
 ADDRESS **9100 E MINERAL CR**  
 STATE & ZIP **ENGLEWOOD CO 80155**

1. MANAGER **FJ KANE**  
 ADDRESS **9100 E MINERAL CR**  
 CITY, STATE & ZIP **ENGLEWOOD CO 80155**

8. \_\_\_\_\_

9. **G.J. Malys, Sr. Vice President**  
**9100 East Mineral Circle**  
**Englewood, Colorado 80112**

10. \_\_\_\_\_

11. \_\_\_\_\_

**YOU HAVE LESS THAN 3 SHAREHOLDERS YOU MAY LIST LESS THAN 3 DIRECTORS IF YOU HAVE NO DIRECTORS DUE TO SECTION 16-10A-732 YOU MUST STATE SO IN THE BOX BELOW**

**DIRECTORS**

2. DIRECTOR **G R SPINDLER**  
 ADDRESS **9100 E MINERAL CR**  
 CITY, STATE & ZIP **ENGLEWOOD CO 80155**

3. DIRECTOR **G. J. MALYS**  
 ADDRESS **9100 EMINERAL CIRCLE**  
 CITY, STATE & ZIP **ENGLEWOOD CO 80112**

4. DIRECTOR **PC WOLF**  
 ADDRESS **9100 E MINERAL CR**  
 CITY, STATE & ZIP **ENGLEWOOD CO 80155**

12. \_\_\_\_\_

13. \_\_\_\_\_

14. \_\_\_\_\_

Under penalties of perjury and as an authorized officer...

\*\*\*\* IMPORTANT INFORMATION - RETAIN \*\*\*\*  
UT - ANNUAL REPORT - CYPRUS PLATEAU MINING CORPORATION

↓ CAREFULLY DETACH BEFORE CASHING ↓

PITTSBURGH NATIONAL BANK JEANNETTE, PA		ACCOUNTS PAYABLE CHECK
CYPRUS AMAX MINERALS CO	60-162/433	No. 02232399
PAY	DATE	CHECK NO.
	09/20/96	02232399
TEN AND 00/100 DOLLARS	NET AMOUNT ▶	*****10.00
587 5 UT UTAH SECRETARY OF STATE DIV OF CORPS & COMM CODE P O BOX 45801 SALT LAKE CITY UT 84145		02232399
TO THE ORDER OF		VOID AFTER 180 DAYS

# CHECK REQUEST

COMPANY: Cyprus Amax Minerals Company CO#: 587

DATE OF REQUEST	SEND ATTACHMENT WITH CHECK	DATE CHECK REQUIRED	USE SAME DATE ON CHECK
09/19/96	X	09/20/96	X

PAYEE (NAME & ADDRESS)	VENDOR NUMBER	SEND CHECK TO:
Utah Secretary of State Division of Corporation & Commercial Code Salt Lake City, Utah 84145	386779	Tricia Diolazo 481-S Ext. 5731

AMOUNT:	AMOUNT IN WORDS:
<u>\$10.00</u>	<u>Ten Dollars and No/100</u>

ACCOUNT NAME:	CO. #	ACCOUNT NUMBER	COST CENTER	STATE CODE	AMOUNT
FRANCHISE TAX	_____	23250100	999	T____	
STATE INCOME TAX	_____	23750205	999	T____	
PENALTY NON-DED	_____	7180__200	999	T____	
INTEREST	_____	92517000	999	T____	
FRANCHISE TAX EXP - CY	_____	8160__100	999	T____	
FRANCHISE TAX EXP - PY	_____	8160__200	999	T____	
STATE INC TAX EXP - CY	_____	97207100	999	T____	
STATE INC TAX EXP - PY	_____	97207200	999	T____	
INTERCOMPANY	_____	12000000	C____		
Annual Report	<u>587</u>	81007000	890	T45	\$10.00
					<u>\$10.00</u>

PURPOSE OF PAYMENT: (X IF TO BE PRINTED ON CHECK STUB) - X

UT-Annual Report-Cyprus Plateau Mining Corporation

PREPARED BY	DATE	APPROVED BY	DATE
<i>Tricia Diolazo</i>		<i>Sharon Fetherhuff</i>	9/18/96
TRICIA DIOLAZO	09/19/96	SHARON J. FETHERHUFF	

Z 847 387 626



Receipt for Certified Mail  
No Insurance Coverage Provided  
Do not use for International Mail

State of Utah  
Department of Commerce  
Salt Lake City, Utah 84189

Cyprus Plateau Mining Corp.  
Profit Corporation Annual Report

PS FORM 3800

Postage	\$ 55
Certified Fee	1.10
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom and Date Delivered	1.10
Return Receipt Showing to Whom, Date, and Addressee's Address	
TOTAL Postage & Fees	\$ 57.20

Postmark or Date

DOMESTIC RETURN RECEIPT

PS Form 3811, December 1991

5. Signature (Addressee)  
6. Signature (Agent)  
8. Addressee's Address (Only if requested and fee is paid)

7. Date of Delivery SEP 30 1996

4b. Service Type  
 CERTIFIED

4a. Article Number  
Z 847 387 626

3. Article Addressed to:  
State of Utah  
Department of Commerce  
Salt Lake City, Utah 84189

1.  Addressee's Address  
2.  Restricted Delivery  
I also wish to receive the following services (for an extra fee):  
Cyprus Plateau Mining

Is your RETURN ADDRESS completed?

Thank you for using Return Receipt Service.

SENDER: 97-UT Annual Report Cyprus Plateau Mining  
Complete items 1 and/or 2 for additional services. Plateau Mining  
Print your name and address on the reverse of this form so that we can return this card to you.  
Attach this form to the front of the mailpiece, or on the back if space does not permit.  
Write "Return Receipt Requested" on the mailpiece below the article number delivered.  
The Return Receipt will show to whom the article was delivered and the date delivered.

## **APPENDIX B**

### **Reporting of Technical Data**

including monitoring data, reports, maps, and other information  
as required under the approved plan  
or as required by the Division

in accordance with the requirements of R645-301-130 and R645-301-140.

### **CONTENTS**

**VEGETATION REPORT**  
**SUBSIDENCE REPORT**

Table 1,  
Percent Plant Cover,  
1981 Temporary Reclamation Seeding,  
Upper Lion Deck Portal Access Road

SPECIES	% COVER	% COMPOSITION	FREQUENCY
<b>Grasses</b>			
Desert Wheatgrass	9.32	34.09	90
Salina Wildrye	3.62	13.24	40
Smooth Bromegrass	2.93	10.72	90
Intermediate Wheatgrass	2.23	8.16	55
Western Wheatgrass	1.63	5.96	55
Russian Wildrye	1.40	5.12	25
Indian Ricegrass	0.66	2.41	15
Orchardgrass	0.16	0.59	15
Kentucky Bluegrass	0.15	0.55	10
Slender Wheatgrass	0.04	0.15	5
Cheatgrass Brome	0.03	0.11	5
<b>Forbs</b>			
Blueleaf Aster	4.56	16.68	40
Eaton Fleabane	0.27	0.99	5
Halogeton	0.02	0.07	5
<b>Shrubs</b>			
Fourwing Saltbush	0.32	1.17	5
TOTAL PLANT COVER	27.34	100.01	-
BARE	27.31	-	-
LITTER	15.82	-	-
ROCK	29.53	-	-
N = 20; MEAN = 27.34; SD = 10.11; Nm 90/10 = 37.1			

Table 2,  
Woody Plant Density,  
1981 Temporary Reclamation Seeding,  
Upper Lion Deck Portal Access Road

<b>SPECIES</b>	<b>NUMBER PLANTS PER 100 SF</b>	<b>NUMBER PLANTS PER ACRE</b>	<b>% COMPOSITION</b>
Big Sagebrush	0.10	100	30.30
Rubber Rabbitbrush	0.10	100	30.30
Fourwing Saltbush	0.05	50	15.15
Skunkbush	0.03	30	7.58
Mormon Tea	0.03	30	7.58
Woods Rose	0.03	30	7.58
<b>TOTAL</b>	<b>0.33</b>	<b>330</b>	<b>99.49</b>
N = 20; MEAN = 0.33; SD = 0.71; N 90/10 = 1299.5			

Table 3,  
Percent Plant Cover,  
1981 Temporary Reclamation Seeding,  
Lower Lion Deck Portal Access Road

SPECIES	% COVER	% COMPOSITION	FREQUENCY
<b>Grasses</b>			
Intermediate Wheatgrass	12.90	43.46	88
Desert Wheatgrass	2.65	8.93	50
Smooth Bromegrass	1.65	5.56	50
Western Wheatgrass	1.20	4.04	38
Russian Wildrye	0.60	2.02	38
Indian Ricegrass	0.18	0.59	13
Orchardgrass	0.03	0.08	13
<b>Forbs</b>			
Blue Aster	0.55	1.85	13
Buckwheat	0.33	1.10	13
Eaton Fleabane	0.20	0.67	25
<b>Shrubs</b>			
Fourwing Saltbush	9.33	31.42	88
Rubber Rabbitbrush	0.08	0.25	13
<b>TOTAL PLANT COVER</b>	<b>29.68</b>	<b>99.97</b>	-
<b>BARE</b>	<b>25.95</b>	-	-
<b>LITTER</b>	<b>22.52</b>	-	-
<b>ROCK</b>	<b>21.85</b>	-	-
<b>N = 8; MEAN = 29.68; SD = 17.10; Nm 90/10 = 89.9</b>			

Table 4,  
Woody Plant Density,  
1981 Temporary Reclamation Seeding,  
Lower Lion Deck Portal Access Road.

SPECIES	NUMBER PLANTS PER 100 SF	NUMBER PLANTS PER ACRE	% COMPOSITION
Fourwing Saltbush	1.38	1,380	55.0
Rubber Rabbitbrush	1.00	1,000	40.0
Mountain Mahogany	0.06	60	2.5
Douglas Rabbitbrush	0.06	60	2.5
<b>TOTAL</b>	2.50	2,500	100.0
N = 8; MEAN = 2.50; SD = 1.49; N 90/10 = 95.9			

Table 5,  
Percent Plant Cover,  
1985 Permanent Reclamation Seeding,  
Mine # 1 Portal Area and Access Road.

SPECIES	% COVER	% COMPOSITION	FREQUENCY
<b>Grasses</b>			
Western Wheatgrass	6.53	24.56	85
Intermediate Wheatgrass	5.57	20.95	75
Orchardgrass	3.70	13.92	80
Great Basin Wildrye	1.35	5.08	30
Salina Wildrye	1.18	4.44	30
Pubescent Wheatgrass	0.41	1.54	5
Smooth Bromegrass	0.25	0.94	5
Kentucky Bluegrass	0.16	0.60	15
Indian Ricegrass	0.11	0.41	5
Nodding Brome	0.09	0.34	5
Slender Wheatgrass	0.04	0.15	5
<b>Forbs</b>			
Blueleaf Aster	4.56	16.68	40
Buckwheat	0.86	3.23	30
Curlycup Gumweed	0.82	3.08	50
Alfalfa	0.42	1.58	25
Eaton Fleabane	0.33	1.24	25
Western Yarrow	0.23	0.87	10
Yellow Sweetclover	0.21	0.79	15
Silky Lupine	0.08	0.30	5
<b>Shrubs</b>			
Big Sagebrush	0.94	3.54	20
Rubber Rabbitbrush	0.21	0.79	5
Douglas Rabbitbrush	0.02	0.08	5
TOTAL PLANT COVER	26.59	100.01	-
BARE	31.96	-	-
LITTER	21.07	-	-
ROCK	20.38	-	-
N = 20; MEAN = 26.59; SD = 8.69; Nm 90/10 = 28.9			

Table 6,  
Woody Plant Density,  
1985 Permanent Reclamation Seeding,  
Mine # 1 Portal Area and Access Road.

SPECIES	NUMBER PLANTS PER 100 SF	NUMBER PLANTS PER ACRE	% COMPOSITION
Big Sagebrush	1.25	1,250	80.7
Douglas Rabbitbrush	0.20	200	12.9
Rubber Rabbitbrush	0.08	80	4.8
Broom Snakeweed	0.03	30	1.6
<b>TOTAL</b>	1.55	1,550	99.49
N = 20; MEAN = 1.55; SD = 2.59; N 90/10 = 752.6			

Table 7,  
Forage Production,  
1985 Permanent Reclamation Seeding, Mine # 1 Portal and Access Road Area.

SPECIES	PRODUCTION grams/2 X 5 dm	PRODUCTION pounds per acre	% COMPOSITION
<b>Grasses</b>			
Intermediate Wheatgrass	4.04	360	25.92
Western Wheatgrass	2.60	232	16.70
Great Basin Wildrye	2.39	213	15.35
Orchardgrass	2.08	185	13.38
Salina Wildrye	0.71	63	4.55
Smooth Bromegrass	0.22	20	1.38
Kentucky Bluegrass	0.03	3	0.21
Slender Wheatgrass	0.02	2	0.11
Nodding Bromegrass	0.02	2	0.10
Pubescent Wheatgrass	T	T	0.01
<b>Forbs</b>			
Blueleaf Aster	1.19	106	7.65
Buckwheat	0.64	57	4.13
Curlycup Gumweed	0.26	23	1.65
Alfalfa	0.17	15	1.11
Eaton Fleabane	0.13	12	0.84
Silky Lupine	0.11	10	0.71
Astragalus	0.07	6	0.43
Yellow Sweetclover	0.06	5	0.38
Western Yarrow	0.01	1	0.05
Composite	0.01	1	0.03
Meadow Thistle	T	T	T
<b>Shrubs</b>			
Big Sagebrush	0.77	69	4.96
Douglas Rabbitbrush	0.04	4	0.23
Rubber Rabbitbrush	0.02	2	0.11
<b>TOTAL FORAGE PRODUCTION</b>	<b>15.59</b>	<b>1,389</b>	<b>99.99</b>

Table 8,  
Plant Cover,  
1985 Permanent Reclamation Seeding, North Access Road Area.

SPECIES	% COVER	% COMPOSITION	FREQUENCY
<b>Grasses</b>			
Western Wheatgrass	9.44	43.30	100
Salina Wildrye	3.42	15.69	50
Orchardgrass	2.96	13.58	90
Kentucky Bluegrass	0.56	2.57	20
Slender Wheatgrass	0.28	1.28	30
Elk Sedge	0.10	0.46	10
Intermediate Wheatgrass	0.10	0.46	10
<b>Forbs</b>			
Alfalfa	1.22	5.60	70
Eaton Fleabane	0.48	2.20	40
Meadow Thistle	0.38	1.74	10
Houndstounge	0.32	1.47	10
Gumweed Aster	0.26	1.19	10
Astragalus	0.22	1.01	20
Silky Lupine	0.18	0.83	10
Common Pussytoes	0.14	0.64	10
Curlycup Gumweed	0.12	0.55	20
Cryptantha	0.04	0.18	10
Broadleaf Arnica	0.04	0.18	10
<b>Shrubs</b>			
Douglas Fir	0.88	4.04	30
Rubber Rabbitbrush	0.36	1.65	10
Utah Serviceberry	0.24	1.10	20
Mountain Mahogany	0.06	0.28	10
TOTAL PLANT COVER	21.80	100	-
BARE	33.24	-	-
LITTER	22.28	-	-
ROCK	22.68	-	-
N = 10; MEAN = 21.80; SD = 8.62; Nm 90/10 = 42.3			

Table 9,  
Woody Plant Density,  
1985 Permanent Reclamation Seeding, North Access Road.

SPECIES	NUMBER PLANTS PER 100 SF	NUMBER PLANTS PER ACRE	% COMPOSITION
Mountain Mahogany	0.55	550	34.38
Broom Snakeweed	0.35	350	21.88
Douglas Fir	0.25	250	15.63
Snowberry	0.20	200	12.50
Rubber Rabbitbrush	0.10	100	6.25
Douglas Rabbitbrush	0.10	100	6.25
<b>TOTAL</b>	1.60	1,600	100.02
N = 10; MEAN = 1.60; SD = 0.99; N 90/10 = 104.5			

### Data Analysis

All of the field data were initially summarized in the field to determine plot values. Sample adequacy equations recommended by the Division were calculated on all data. Total plant cover and shrub density sample adequacy calculations were made in the field prior to leaving each sample site. Final sample adequacy calculations were prepared in the laboratory following final completion of the data summary. Sample adequacy calculations on production samples were initially based on green weights and were determined either in the field or at the completion of each sampling day. On the permanently reclaimed sites, a sufficient number of samples were usually taken to satisfy the 90/10 confidence interval requirement or until either a minimum of either 10 or 20 samples per reclaimed site had been collected. No statistical analyses were performed on these data.

### Revegetation Success Criteria

Since no Reference Areas were formally sampled in connection with this sampling effort, comparisons regarding revegetation success on each individual reclaimed area with its appropriated Reference Area were made using data collected previously from these sites. Therefore, comparisons of the apparent degree of revegetation success on each reclaimed site were compared with the original permit data collected from these sites during either 1981 or 1983. A summary of the 1981-3 Reference Area Plant Cover values is presented below:

<u>Reference Area</u>	<u>% Total Plant Cover</u>
Mountain Shrub	45.3
Sagebrush	42.1
Douglas Fir	15.1
Mountain Grassland	43.6
Pinyon Juniper - West	12.8
Pinyon Juniper - East	32.5
Saltbush	17.5
Corner Canyon Aspen	87.6

## RESULTS AND DISCUSSION

As shown in Table 356.100a, Revegetation Monitoring Schedule, in the 1996 monitoring effort the 1981 Temporary Reclamation Seedings and the 1985 Permanent Reclamation Seedings needed to be sampled. Examination of the previously prepared reclamation maps, such as are found in the 1985 Annual Reclamation Report, document that the 1981 Reclamation Seedings are located along the upper section of the Lion Deck Portal Access Road. The acreage within this reclamation seeding amounts to 47.45 acres.

Permanent reclamation monitoring area corresponds to the 9.0 acres associated with that area at Mine # 1 and the associated Access Road. In addition, there is a smaller 1.0 acre site corresponding to a shorter, narrower Access Road which is shown on this map. These were the areas sampled in the 1996 reclamation monitoring effort.

### 1981 Reclamation Seeding

A total of two sites reclaimed in 1981 were sampled in this monitoring effort. These sites corresponded to the two temporarily reclaimed sites described above. A total of twenty transects were sampled in that section of the Lion Deck Portal Access Road between the Mine Office and the northeastern switch back, while a total of eight transects were taken along the south side of the lower segment of this road, between the switch back and the conveyor.

### 1985 Reclamation Seedings

A total of three sites permanently reclaimed in 1985 were sampled in the 1996 monitoring effort. These included the Mine # 1 Portal Area - Mine # 1 Access Road to the south of the Gentry Mountain Access Road which served the old Mine # 1 base area, and thirdly, a small access road located to the north of the Gentry Mountain Access Road which runs towards the coal processing plant area.

## RESULTS

1981 Temporary Reclamation Seeding - Lion Deck Portal Access Road. Data was collected from the two areas sampled is presented separately and is summarized in the following tables and narrative. The results obtained from these sampling efforts are presented in Tables 1 through 4. Table 1, Percent Plant Cover, 1981 Temporary Reclamation Seeding, Upper Lion Deck Portal Access Road documents that the average plant cover on this site was 27.34 percent. As shown in Table 2, Woody Plant Density, 1981 Temporary Reclamation Seeding, Upper Lion Deck Portal Access Road, the average woody plant density was found to equal 330 plants per acre.

For the lower section of the Lion Deck Portal Access Road sampled in 1996, total plant cover was found to equal 29.68 percent (Table 3, Percent Plant Cover, 1981 Reclamation Seeding, Lower Lion Deck Portal Access Road). The average woody plant density on this site was found to equal 2,500 plants per acre (Table 4, Woody Plant Density, 1981 Reclamation Seeding, Lower Lion Deck Portal Access Road).

When all of the 28 samples are averaged, total plant cover from the 1981 Temporary Reclamation Seeding was found to equal 28.01 percent, while the average shrub density was found to equal 946 plants per acre.

1985 Permanent Reclamation Seeding - Mine # 1 Portal Area and Access Road. Sampling of the permanently reclaimed site at this site was found to possess an average plant cover value of 26.59 for the combined area of the portal and southern access road (Table 5, Percent Plant Cover, 1985 Permanent Reclamation Seeding, Mine # 1 Portal Area and Access Road). The woody plant density for this area was found to equal 1,550 plants per acre (Table 6, Woody Plant Density, 1985 Permanent Reclamation Seeding, Mine # 1 Portal Area and Access Road). Forage production for this area was found to equal 1,389 pounds of air dry forage per acre (Table 7, Forage Production, 1985 Permanent Reclamation Seeding, Mine # 1 Portal and Access Road Area).

Total plant cover on the small section of permanently reclaimed access road to the north of the Gentry Mountain Access Road was found to average 21.80 percent (Table 8, 1985 Permanent Reclamation Seeding, North Access Road). Woody plant density on this area was found to equal 1,600 plants per acre (Table 9, Woody Plant Density, 1985 Permanent Reclamation Seeding, North Access Road).

When all three permanently reclaimed sites are combined, the average total plant cover for these sites was found to equal 24.99 percent and the average woody plant density was found to equal 1,567 plants per acre.

## CONCLUSIONS

The reclaimed areas sampled at the Star Point Mines in 1996 monitoring effort included the 1981 Reclamation Seedings and the 1985 Reclamation Seedings. One site is interim reclamation while the other site is considered to represent permanent reclamation. Neither site was sampled with the object of obtaining final bond release, or of satisfying the sample adequacy requirements, only to document reclamation trends and determine the apparent degree of revegetation success from these sites.

The 1981 Reclamation Seedings are located on the south facing slope of Wattis Canyon and correspond almost totally to the Pinyon - Juniper Plant Community. Using the summary of the reference area plant cover presented previously, the relative degree of revegetation success for these reclaimed sites can be determined. The average plant cover on the Pinyon Juniper - West Facing Reference Area was originally found to be 12.8 percent, while that for the East Facing Reference Area was 32.5 percent. The average plant cover for the Pinyon Juniper Reference Areas equaled 22.65 percent. Based upon the 1996 monitoring data, the average plant cover on this site was found to equal 28.01 percent. When these areas were last monitored in 1991, the average plant cover was found to equal 20.69 percent. These data suggest that in the past five years these reclamation seedings are continuing to mature into a more successional stable plant community.

The 1985 Reclamation Seedings are located on areas corresponding to several different plant communities with the Douglas Fir and Mountain Grassland Plant Communities being the most common prior to its disturbance. Using the previously collected data from the two reference areas corresponding to the original plant communities found on these sites as a relative success standards, the average plant cover standard for these reclamation seedings, based upon 1981 for the Douglas Fir Reference Area and 1983 sampling for the Mountain Grassland Reference Area is 15.1 and 43.6 percent, respectively. The average reference area plant cover for these

reclamation is approximately 29.35 percent. Based upon the 1996 monitoring of these seedings, the average plant cover was found to be 24.99 percent and the woody plant densities were found to equal 1,550 plants per acre for the Mine # 1 Portal -Access Road and the north Access Road. When this site was last sampled in 1990, the average cover on this site was calculated to equal 12.61 percent and the woody plant density was found to equal 1,300 plants per acre. These data document a trend towards increasing plant cover and woody plant densities over time. This comparison suggests that for those portions of this reclaimed area which correspond to the Pinyon Juniper and Douglas Fir vegetation types that the revegetation success standard with respect to plant cover has been satisfied.

Several differences exist between the findings regarding revegetation success when the data collected in 1991 from the 1981 Temporary Reclamation Seeding are compared with those obtained from the 1996 sampling. In 1991 the average plant cover on this site was determined to equal 20.69 percent while in 1996 the average plant cover for all sites sampled was found to equal 28.01 percent. This suggests that in the past five years the average plant cover on these sites has increased by 7.82 percent.

For the 1985 Permanent Reclamation Seedings, the average plant cover from the 1990 monitoring effort was found to equal 12.61 percent while in 1996 this value was found to equal 24.99 percent for all sites sampled. The average woody plant density in 1990 was found to equal 810 plants while in 1996 this value was determined to equal 1,567 plants per acre. According to the Standards for Revegetation Success found on pages 300-154 and 300-155, the woody plant density standard for all north and east facing slopes, such as those found in the Mine # 1 Area is 2,200 stems per acre. These monitoring data clearly suggest that the reclaimed sites associated with the 1985 Permanent Reclamation Seedings are progressing towards the required revegetation success standards.

Production sampling was completed on only one site, the 1985 Permanent

Reclamation Seeding. The 1996 value of 1,389 pounds of forage per acre must be put into the context that all of these sites had been grazed by livestock and wildlife. Many sites, showed evidence of high levels of utilization. Alfalfa, especially was heavily grazed. This production value would undoubtedly be considerably higher if these sites were protected from grazing. Based upon the original productivity estimates for this mine site, summarized on Permit Page 300-60, it can be determined that when sampled in 1981 the Douglas Fir Reference Area produced 822 pounds of forage and the Mountain Grassland Reference Area produced 2,300 pounds of forage. No forage production data appears to have been collected from the Mountain Shrub Reference Area site. Using these data it appears that the forage production standard for the Permanent Reclamation at the Mine # 1 area would be approximately 1,561 pounds of air dry forage per acre. Thus, it would appear that the 1,389 pounds of forage obtained from the 1996 sampling effort in grazed conditions would probably satisfy the revegetation success standard for production in the absence of grazing.

**CYPRUS PLATEAU MINING CORPORATION**

**STAR POINT MINES**

**1996 ANNUAL RECLAMATION**

**MONITORING REPORT**

**PREPARED FOR**

**CYPRUS PLATEAU MINING CORPORATION  
P.O. DRAWER PMC  
PRICE, UTAH 84501**

**PREPARED BY**

**IME  
P.O. BOX 270  
YAMPA, CO 80483**

**2 April 1996**

## **INTRODUCTION**

This annual reclamation monitoring report is submitted by Cyprus-Plateau Mining Corporation, hereafter referred to as Plateau, in accordance with their approved Mining and Reclamation Plan, which requires that all previously reclaimed sites be monitored according to the monitoring schedule found on page 300 - 153 of the approved mining and reclamation plan, to determine the relative degree of revegetation success of these reclaimed areas. The Permit requires that the results and interpretation of these data be submitted to the Utah Division of Oil, Gas and Mining, hereafter referred to as the Division, each year in the form of an annual reclamation monitoring report. This report contains the results of data collected between October 9 - 11, 1996 for the areas which required monitoring in 1996. These data were collected by Kent Crofts, Keith Olsen and Myrna Olsen. The reclamation monitoring program conducted in 1996 is consistent with previously collected data and with Plateau's presently approved Permit.

Plateau has monitored the status of revegetation on reclaimed lands continuously since 1981, the results of which have been previously submitted on an annual basis to the Division. Due to the voluminous nature of these data, it is impracticable to provide a complete summary of the revegetation trends for each reclaimed site evaluated in the present report. Therefore, in order to completely understand the history and results of the prior reclamation monitoring, the reviewer is referred to these previous submittals.

### **SAMPLING METHODOLOGIES**

The data collected in the 1996, utilized identical sampling methodologies and data analysis procedures used previously and which have been approved by the Division in earlier submittals. Parameters sampled in 1996 included total plant cover, woody plant densities and forage production. Given the similarity of previous sampling methodologies, Plateau believes that a comparison of the 1996 data with formerly collected data is possible to establish trends regarding the successfulness of prior revegetation efforts.

## Cover

Due to the steepness of the slopes in the areas monitored in this evaluation, plant cover was monitored using an ocular estimation technique which has been used previously. Along each transect, five rectangular plots within a 2 X 5 dm quadrat were evaluated. All foliar plant cover less than one meter in height was sampled. At each sample point, the observation was recorded by individual plant species, or whether litter, rock, bare ground, lichens or cryptogams were encountered. Plant material that had dried prior sampling (such as annuals), but which was a product of the 1996 growing season, was counted as plant cover. Litter was defined as that plant material which had been dead for approximately one year prior to sampling. The five quadrats which were read along each transect were summarized into a single observation which was used for subsequent statistical analyses. To the extent that the site configuration allowed, all transects were randomly located with respect to orientation and intervals between transects by assigning random numbers to the major compass headings while the interval between each transect was determined using a similar random number.

## Woody Plant Densities

Woody plant densities were determined using a 3 X 14.52 foot belt transect. The tape used for the cover transect was also used as the center point for the woody plant density transects. Each side of the transect tape was sampled for woody plants and these two values were averaged into a single observation for purposes of data summarization.

## Production

Forage production was determined by clipping at ground level all biomass produced during the 1996 growing season within a 2 X 5 dm rectangular quadrat. On each production transect, three uniformly spaced quadrats were clipped and averaged into a single datum. Clipped plant materials were placed into labeled paper sacks and weighted in the field to determine green weights. Following completion of the field sampling, the production samples were returned to the laboratory, dried and weighted on an electric scale to an accuracy of one tenth of a gram.

## **APPENDIX C**

Legal, Financial, Compliance and Related Information

Annual Report of Officers  
as submitted to the Utah Department of Commerce  
and other changes in ownership and control information  
as required under R645-301-110.

### **CONTENTS**

**ANNUAL REPORT OF OFFICERS  
OWNERSHIP AND CONTROL INFORMATION**

## **APPENDIX C**

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as required under R645-301-110.

### **CONTENTS**

**ANNUAL REPORT OF OFFICERS  
OWNERSHIP AND CONTROL INFORMATION**

**AMAX ENERGY INC.**

**Principal Operating Office:** 9100 East Mineral Circle  
Englewood, Colorado 80112-3299

**Telephone:** 303/643-5000

**Incorporation:**  
State Delaware, The Corporation Trust Company, 1209 Orange Street, Wilmington, DE 19801  
Date July 26, 1991  
Existence Perpetual

**Qualified to Do Business In:** Texas

**Ownership - Percentage:** Cyprus Amax Minerals Company - 100%; November 15, 1993  
9100 East Mineral Circle, Englewood, Colorado 80112-3299

**Employer I.D. No.:** 06-1324916

**OFFICERS:**

<u>Title</u>	<u>Name</u>	<u>Social Security #</u>	<u>Date Assumed Office</u>
President	Gerald J. Malys	[REDACTED]	April 11, 1994
Senior Vice President, General Counsel and Secretary	Philip C. Wolf	[REDACTED]	November 15, 1993
Vice President and Treasurer	Francis J. Kane	[REDACTED]	January 11, 1994
Vice President and Controller	John Taraba	[REDACTED]	November 15, 1993
Director of Tax	J. David Flemming	[REDACTED]	November 15, 1993
Assistant Secretary	Dale E. Huffman	[REDACTED]	April 11, 1994
Assistant Secretary	Sharon J. Fetherhuff	[REDACTED]	July 31, 1995
<b>DIRECTORS:</b>	Gerald J. Malys	[REDACTED]	November 15, 1993
	Philip C. Wolf	[REDACTED]	November 15, 1993

Resignations (since November 1993):

<u>Title</u>	<u>Name</u>	<u>Social Security No.</u>	<u>Date Resigned</u>
Chairman of the Board	Allen Born		November 15, 1993
Senior Vice President	Gary D. McDowell		November 15, 1993
Vice President, Secretary and Director	Helen M. Feeney		November 15, 1993
Vice President	Gary Foster		November 15, 1993
Vice President and Treasurer	Lee A. Nickerson		November 15, 1993
Controller	Richard B. Hallett		November 15, 1993
Assistant Secretary	Michael W. Borkowski		November 15, 1993
Assistant Secretary	Raymond J. Cooke		November 15, 1993
Assistant Secretary	J. Alan Ross		November 15, 1993
Assistant Treasurer	Harold E. Davis		November 15, 1993
Assistant Treasurer	Lawrence B. Frost		November 15, 1993
Assistant Treasurer	Thomas P. Wozniak		November 15, 1993
President	Thomas A. McKeever		April 11, 1994
Senior Vice President	Gerald J. Malys		April 11, 1994
Vice President	William G. Hargett		April 11, 1994
Vice President and Assistant Secretary	Wayne E. Gresham		April 11, 1994
Assistant Secretary	Kathleen J. Gormley		July 31, 1995

**CYPRUS AMAX MINERALS COMPANY**

(formerly Amoco Minerals Company, name changed to Cyprus Minerals Company 5/24/85;  
name changed to Cyprus Amax Minerals Company pursuant to the merger with Amax Inc. on November 15, 1993)

**Principal Operating Office:** 9100 East Mineral Circle  
Englewood, Colorado 80112-3299

**Telephone:** 303/643-5000

**Incorporation:**

State Delaware  
Date September 2, 1969  
Existence Perpetual

**Qualified to Do Business In:** Arizona, Colorado  
**IRS Identification Number:** 36-2684040

**OFFICERS:****Title****Name****Date Assumed Office**

President and Chief Executive Officer	M. H. Ward	May 14, 1992
Senior Vice President and Chief Financial Officer	G. J. Malys	August 1, 1989
Senior Vice President, Coal	G. R. Spindler	January 3, 1995
Senior Vice President, Copper	J. G. Clevenger	January 27, 1993
Senior Vice President, General Counsel and Secretary	P. C. Wolf	March 24, 1991/November 12, 1993/ November 12, 1993
Senior Vice President, Exploration	D. H. Watkins	February 1, 1994
Vice President, Investor Relations, and Treasurer	F. J. Kane	January 11, 1994
Vice President and Controller	J. Taraba	October 31, 1988
Vice President, Engineering and Development	R. J. Hickson	November 20, 1994
Assistant Treasurer	F. S. Hakimi	July 31, 1987
Director of Tax	J. D. Flemming	May 7, 1992
Assistant Secretary	D. E. Huffman	July 31, 1995
<b>DIRECTORS:</b>	M. H. Ward (Chairman)	May 14, 1992/November 15, 1995
	A. Born	November 13, 1993
	L. G. Alvarado	December 14, 1989
	G. S. Ansell	December 3, 1987
	W. C. Bousquette	December 5, 1991
	T. V. Falkie	June 29, 1988
	A. M. Gray	November 15, 1993
	J. C. Huntington, Jr.	November 15, 1993
	M. A. Morphy	July 1, 1985
	R. A. Schnabel	February 11, 1993
	T. M. Solso	November 15, 1993
	J. H. Stookey	November 15, 1993
	J. A. Todd, Jr.	October 22, 1992
	B. B. Turner	October 22, 1992

**CYPRUS AMAX MINERALS COMPANY**

(formerly Amoco Minerals Company) was changed to Cyprus Minerals Company 5/24/85;  
name changed to Cyprus Amax Minerals Company pursuant to the merger with Amax Inc. on November 15, 1995,

**Resignations (since November 1993):**

<u>Title</u>	<u>Name</u>	<u>Date Resigned</u>
Senior Vice President, General Counsel, and Secretary	K. Loughrey	November 12, 1993
Chairman of the Board	M. H. Ward	November 15, 1993
Assistant Secretary	D. J. Friedman	December 31, 1993
Vice President and Treasurer	D. C. Haugh	January 11, 1994
Vice President, Public and Investor Relations	R. H. Hagman	January 11, 1994
Vice President, Exploration	F. B. Park	February 1, 1994
Director	J. J. Kerley	April 29, 1993
Director	V. F. Taylor, Jr.	April 29, 1993
Director	P. C. Walsh	April 29, 1993
Director	C. A. Campbell, Jr.	May 4, 1994
Senior Vice President, Coal	D. P. Brown	December 30, 1994
Vice President, Human Resources	G. H. Peppard	June 30, 1995
Assistant Secretary	K. J. Gormley	July 31, 1995
Co-Chairman of the Board	M. H. Ward	November 15, 1995
Co-Chairman of the Board	A. Born	November 15, 1995
Vice Chairman of the Board	A. Born	May 1, 1996

# APPENDIX E

Other Information

in accordance with the requirements of R645-301 and R645-302.

## CONTENTS

NONE

**CYPRUS AMAX COAL COMPANY**

(Assets transferred from the former Cyprus Amax Coal Company 1/1/96;  
 (formerly Cyprus Amax Coal Holding Company; name change effective 7/25/96)

**Principal Operating Office:** 9100 East Mineral Circle  
 Englewood, Colorado 80112-3299

**Telephone:** 303/643-5000

**Incorporation:**  
 State Delaware, The Corporation Trust Company, 1209 Orange Street, Wilmington, DE 19801  
 Date November 30, 1995  
 Existence Perpetual

**Qualified to Do Business In:** Colorado

**Ownership - Percentage:** Cyprus Amax Coal Company - 100%; November 30, 1995  
 Transferred to Amax Energy Inc. - 100%; July 18, 1996  
 9100 East Mineral Circle, Englewood, Colorado 80112-3299

**IRS Identification Number:** 84-1324805

**OFFICERS:**

<u>Title</u>	<u>Name</u>	<u>Social Security #</u>	<u>Date Assumed Office</u>
President	Garold R. Spindler		November 30, 1995
Senior Vice President	Gerald J. Malys		November 30, 1995
Senior Vice President, General Counsel, and Secretary	Philip C. Wolf		November 30, 1995
Senior Vice President, Development	Richard D. Mills		November 30, 1995
Senior Vice President, Sales and Marketing	Nicholas P. Moros		November 30, 1995
Senior Vice President, Operations	John M. DeMichie		April 1, 1996
Senior Vice President, Operations	Kevin S. Crutchfield		April 1, 1996
Senior Vice President, Operations	Randall J. Scott		November 30, 1995
Vice President and Treasurer	Francis J. Kane		November 30, 1995
Vice President and Controller	Frank J. Wood		November 30, 1995
Vice President	Chris L. Crowl		November 30, 1995
Assistant Treasurer	Farokh S. Hakimi		November 30, 1995
Director of Tax	J. David Flemming		November 30, 1995
Assistant Secretary	Sharon J. Fetherhuff		November 30, 1995
Assistant Secretary	Greg A. Walker		November 30, 1995
Assistant Secretary	Morris W. Kegley		November 30, 1995
Assistant Secretary	Dale E. Huffman		November 30, 1995
Assistant Secretary	Susan E. Chetlin		November 30, 1995
<b>DIRECTORS:</b>	Garold R. Spindler		November 30, 1995
	Gerald J. Malys		November 30, 1995
	Philip C. Wolf		November 30, 1995

**CYPRUS AMAX COAL COMPANY**

(Assets transferred from the former Cyprus Amax Coal Company 1/1/96;  
(formerly Cyprus Amax Coal Holding Company; name change effective 7/25/96)

**Resignations (since incorporation):**

<b><u>Title</u></b>	<b><u>Name</u></b>	<b><u>Social Security No.</u></b>	<b><u>Date Resigned</u></b>
Vice President, Allied Resources	Peter J. Bethell		January 8, 1996
Senior Vice President, Eastern Operations	W. Mark Hart		April 1, 1996
Vice President, Allied Resources (elected 1/8/96)	Charles E. Zabrosky		April 25, 1996
Vice President, International Business Development	Vincent J. Calarco, Jr.		June 17, 1996

**CYPRUS PLATEAU MINING CORPORATION**  
(formerly Plateau Mining Company; name changed effective June 8, 1987)

**Principal Operating Office:** P.O. Box Drawer PMC  
Price, Utah 84501

**Telephone:** 801/637-2875

**Incorporation:**  
State Delaware, The Corporation Trust Company, 1209 Orange Street, Wilmington, DE 19801  
Date August 26, 1982  
Existence Perpetual

**Qualified to Do Business In:** Colorado, Utah

**Ownership - Percentage:** Cyprus Amax Coal Company - 100%; April 1, 1997  
9100 East Mineral Circle, Englewood, Colorado 80112-3299

**IRS Identification Number:** 95-3761213

**OFFICERS:**

<u>Title</u>	<u>Name</u>	<u>Social Security #</u>	<u>Date Assumed Office</u>
President	John M. DeMichiei		February 3, 1997
Senior Vice President	Gerald J. Malys		August 1, 1989
Senior Vice President, General Counsel, and Secretary	Philip C. Wolf		November 13, 1993
Senior Vice President, Sales and Marketing	Nicholas P. Moros		December 20, 1993
Vice President	Keith H. Sieber		February 3, 1997
Vice President and Treasurer	Francis J. Kane		January 11, 1994
Vice President and Controller	Frank J. Wood		December 20, 1993
Vice President, Sales and Marketing	Patrick J. Panzarino		May 22, 1996
Assistant Treasurer	Farokh S. Hakimi		July 31, 1987
Director of Tax	J. David Flemming		April 6, 1992
Assistant Secretary	Sharon J. Fetherhuff		July 31, 1995
Assistant Secretary	Greg A. Walker		December 20, 1993
Assistant Secretary	Morris W. Kegley		December 20, 1993
Assistant Secretary	Dale E. Huffman		February 1, 1994
Assistant Secretary	Susan E. Chetlin		April 3, 1995
<b>DIRECTORS:</b>			
	Garold R. Spindler		January 3, 1995
	Gerald J. Malys		August 1, 1989
	Philip C. Wolf		December 31, 1993

**CYPRUS PLATEAU MINING CORPORATION**  
 (formerly Plateau Mining Company; name changed effective June 8, 1987)

**Resignations (since November 1993):**

<u>Title</u>	<u>Name</u>	<u>Social Security No.</u>	<u>Date Resigned</u>
President	Donald P. Brown		December 20, 1993
Senior Vice President, General Counsel, and Secretary	Kevin Loughrey		November 13, 1993
Senior Vice President, Operations	Donald E. Hudson		December 20, 1993
Senior Vice President, Sales and Marketing	George E. Vajda		December 20, 1993
Vice President, Business Development, and Controller	Joseph Caffarelli, Jr.		December 20, 1993
Vice President, Materials, Maintenance & Technical Resources	W. Mark Hart		December 20, 1993
Vice President, Associate General Counsel, Assistant Secretary and Director	Deborah J. Friedman		December 31, 1993
Vice President and Treasurer	Dennis C. Haugh		December 31, 1993
President	J. Mark Cook		January 3, 1995
Assistant Secretary	Michael R. Peelish		January 3, 1995
Director	Donald P. Brown		December 30, 1994
Vice President, Labor, Safety and and Government Relations	Chris L. Crowl		July 31, 1995
Assistant Secretary	Kathleen J. Gormley		July 31, 1995
Vice President and General Manager	Keith H. Sieber		February 15, 1996
Vice President, Sales and Marketing	George E. Vajda		May 22, 1996
President	Randall J. Scott		February 3, 1997
Vice President and General Manager	Allen P. Childs		February 3, 1997

# APPENDIX D

Mine Maps

as required under R645-301-525.270.

## CONTENTS

ON FILE WITH DAVE DARBY  
MAPS W-4 AND W-5 SHOWING MINING FOR 1996 IN SUBSIDENCE REPORT