

CASTLE GATE MINE

C/007/0004

2007 ANNUAL REPORT

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GENERAL INFORMATION

Permittee Name	Castle Gate Holding Company
Mine Name	Castle Gate Mine
Operator Name (If other than permittee)	
Permit Expiration Date	December 24, 2009
Permit Number	C/007/0004
Authorized Representative Title	Dennis Ware, Controller and Administrative Manager
Phone Number	(435) 472-4737
Fax Number	(435) 472-4782
E-mail Address	dware@foundationcoal.com
Mailing Address	P.O. Box 30 Helper, Utah 84526
Designated Representative	Dennis N. Ware
Resident Agent	C.T. Corporation
Resident Agent Mailing Address	50 West Broadway, Salt Lake City, UT 84101
Number of Binders Submitted	Two

IDENTIFICATION OF OTHER PERMITS

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

Permit Type	ID Number	Description	Expiration Date
MSHA Mine ID(s)	42-02113	Legal Identity	
	42-01202		
NPDES/UPDES Permit(s)	UT0400112	UPDES	April 30, 2013
Other			

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 In C/007/0004, 2008. Incoming

For additional information

CERTIFIED REPORTS

List the certified inspection reports as required by the rules and under the approved plan that must be periodically submitted to the Division. Specify whether the information is included as Appendix A to this report or currently on file with the Division.

Certified Reports:	Required		Included or DOGM file location		Comments
	Yes	No	Included	Vol, Chapter, Page	
Excess Spoil Piles	<input type="checkbox"/>	X	<input type="checkbox"/>		
Refuse Piles	<input type="checkbox"/>	X	<input type="checkbox"/>		
Impoundments	<input type="checkbox"/>	X	<input type="checkbox"/>		
Other					
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		

COMMITMENTS AND CONDITIONS:

The Permittee is responsible for ensuring annual technical commitments in the MRP and conditions accepted with the permit are completed throughout the year.

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 report or currently on file with the Division.

*Reminder: If equipment has been abandoned during 2007, an amendment must be submitted that includes a map showing its location, a description of what was abandoned, whether there were any hazardous or toxic materials and any revision to the PHC as necessary.

**YEAR FOUR REVEGETATION MONITORING AT CASTLE GATE FOR:
ADIT NO. 1
HARDSCRABBLE CANYON SUBSTATION
SOWBELLY CANYON SUBSTATION**

WATER MONITORING INFORMATION FOR EACH QUARTER IN 2007, ON FILE WITH THE DIVISION

APPENDIX A

Certified Reports

Excess Spoil Piles
Refuse Piles
Impoundments

As required under R645-301-514

CONTENTS

NONE

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 requirement of R645-310-130 and R645-301-140

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**YEAR FOUR REVEGETATION MONITORING AT CASTLE GATE FOR:
ADIT NO. 1
HARDSCRABBLE CANYON SUBSTATION
SOWBELLY CANYON SUBSTATION**

**REVEGETATION MONITORING
ON SITES RECLAIMED IN 2002
AT THE CASTLE GATE MINE**

**FOR
PLATEAU MINING CORPORATION**



Prepared by

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by

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for

PLATEAU MINING CORPORATION

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April 2008

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REVEGETATION MONITORING ON SITES RECLAIMED IN 2002 AT THE CASTLE GATE MINE

INTRODUCTION

In 2002, reclamation procedures were employed on specific areas of the Castle Gate Mine.

Reclamation activities included demolition, backfilling, grading and revegetation at the following sites: Adit No. 1 (2.0 acres), Hardscrabble Canyon Substation (0.75 acres) and Sowbelly Canyon Substation (2.0 acres).

A "reference area" was chosen previously so that specific parameters from it could be used for comparisons and final revegetation success standards of the reclaimed Areas. Plateau Mining Corporation's Mining and Reclamation Plan (MRP) states that "*the AML Reference Areas shown on Exhibit 9-6 will be used to evaluate previously mined areas*". Because the AML (Abandoned Mined Lands) areas were relatively extensive, at least for use as one reference area, biologists from the State of Utah, Division of Oil, Gas & Mining (DOGGM) along with representatives from Plateau Mining Corporation, chose a smaller portion of the AML areas to be used as the reference area for the reclaimed areas. This reference area was located in Sowbelly Canyon. Parameters from the quantitative data of that reference area will be used for comparisons with the aforementioned reclaimed areas in this report.

METHODS

Methodologies used for sampling were performed in accordance with the guidelines provided by DOGM.

Transect and Quadrat Placement

Random/regular placement of sample quadrats were designed as an attempt to provide unbiased accuracy of the data compiled. This was accomplished by randomly establishing transect lines within each reclaimed and reference area. At regular intervals along the transect lines, random numbers were generated and used to measure distances at right angles from the line to determine sample locations. Whether these random numbers were odd or even determined which side of transect line a given quadrat was placed. The random numbers selected were high enough to place quadrats to the lateral limits of the reclaimed areas and all areas in-between. This insured that the sample quadrats were placed randomly over the entire study area in an attempt to adequately address and represent the site as a whole.

Cover, Frequency and Composition

Cover estimates were made using ocular methods with meter square quadrats. Species composition and relative frequencies were also assessed from the quadrats. Additional information recorded on the raw data sheets were: slope, exposure, grazing use, animal

disturbance and other appropriate notes. Plant nomenclature follows "A Utah Flora" (Welsh et al. 2003).

Sample Size & Adequacy

Sampling adequacy was attempted using the formula given below, but sample sizes were also influenced by the size of the study areas.

$$n_{MIN} = \frac{t^2 s^2}{(dx)^2}$$

where,

nMIN = minimum adequate sample
t = appropriate confidence t-value
s = standard deviation
x = sample mean
d = desired change from mean

Photographs

Color photographs of the study areas were taken at the time of sampling and have been submitted with this report.

Statistical Analyses

Student's t-tests were employed to compare the total living cover and total woody species density

of each reclaimed area with the reference area.

Raw Data

The raw data for total cover, cover by species, frequency and composition were also submitted in the Appendix of this report which should facilitate future scrutiny of the data and further statistical testing if desired. Specific sample areas and quadrat numbers are included on the raw data sheets.

RESULTS

Adit No. 1

Quantitatively sampling the reclaimed Adit No. 1 site of the Castle Gate Mine indicated that the dominant plant species of the area were fourwing saltbush (*Atriplex canescens*) and bluebunch wheatgrass by a fairly wide margin (Table 1). However, other common species of the area were western wheatgrass (*Elymus smithii*), rubber rabbitbrush (*Chrysothamnus nauseosus*) and thickspike wheatgrass (*Elymus lanceolatus*). All plant species present in the sample quadrats along with their cover and frequency values are shown on Table 1.

Total living cover of Adit No. 1 was estimated at 56.50% [Table 2 (A)]. Grasses represented 56.35% of the total living cover, whereas shrubs and forbs represented 39.22% and 4.42%,

respectively [Table 2 (B)].

Woody species density measurements of the area indicated that there were 3,885 individuals per acre; the greatest densities were represented by fourwing saltbush and rubber rabbitbrush (Table 3).

Color photographs of each sample area are provided near the end of this report.

Hardscrabble Canyon Substation

Cover and frequency measurements by species indicated that the most common plant species in the Hardscrabble Canyon Substation were rubber rabbitbrush, and to lesser extent, Indian ricegrass (*Stipa hymenoides*), bluebunch wheatgrass (*Elymus spicatus*), Gt. Basin wildrye (*Elymus cinereus*) and thickspike wheatgrass (Table 4).

The total living cover of this reclaimed area was estimated at 58.75% [Table 5 (A)]. Lifeform proportions of the total living cover were represented by grasses, shrubs and forbs at 53.44%, 33.01% and 13.56%, respectively [Table 5 (B)].

Woody species density was much dominated by rubber rabbitbrush, but other species that were fairly well-represented were: big sagebrush (*Artemisia tridentata*), winterfat (*Ceratoides lanata*) and squawbush (*Rhus aromatica*). The total woody species density of the area was 5,315 shrubs

per acre. The density values for the Hardscrabble Canyon Substation are shown on Table 6.

Sowbelly Canyon Substation

The cover and frequency values of the reclaimed Sowbelly Canyon Substation were dominated by Gt. Basin wildrye, rubber rabbitbrush, Lewis flax (*Linus lewisii*), and Palmer penstemon (*Penstemon palmeri*). For a list of all species present in the sample quadrats and their cover and frequency values refer to Table 7.

The total living cover of this reclaimed substation was estimated at 54.50% [Table 8 (A)], of which was represented proportionately by grasses at 48.86%, forbs at 29.01% and shrubs at 22.13% [Table 8 (B)].

Woody species densities are shown on Table 9. The total density was 2,109 individuals per acre, much of which was rubber rabbitbrush, but other species such as big sagebrush, fourwing saltbush, winterfat and squawbush were also fairly well represented.

Reference Area

The Sowbelly Canyon Reference Area chosen to represent future revegetation success standards was also sampled during this sample period. The dominant plant species in the reference area by cover and frequency were western wheatgrass, rubber rabbitbrush and thickspike wheatgrass

(Table 10).

The total living cover of the reference area was 54.75% [Table 11 (A)]. This living cover was divided into 60.12% grasses, 25.63% shrubs and 14.26% forbs [Table 11 (B)].

Total woody species density of the Sowbelly Canyon Reference Area was 2,013 individuals per acre (Table 12). The area was dominated by rubber rabbitbrush, but also had respectable values for fourwing saltbush, big sagebrush and Gambel's oak (*Quercus gambelii*).

SUMMARY & DISCUSSION

Total living covers for all reclaimed and reference areas are shown graphically on Figure 1. As can be observed from the graph, the mean total living cover of each reclaimed area was very similar to the reference area, or the area chosen to represent future final revegetation success standards. Moreover, when the total mean living cover of each reclaimed area was compared statistically by employing Student's t-tests, the differences were all non-significant [Table 13 (A)]. Simply said, there were no significant differences in total living cover of the reclaimed areas when compared to the reference area.

When **woody species densities** of each area were graphed, the results showed that there were some differences (Figure 2). However, none of the reclaimed areas had a lower density than the reference area. When the mean density, or the total number of woody plants per acre, for each

reclaimed area were compared statistically with the reference area, the reclaimed Adit No. 1 and the Hardscrabble Canyon Substation were significantly greater than that of the reference area; the density difference between the reference area and the Sowbelly Canyon Substation was non-significant [Table 13 (B)].

Also of interest, no “weedy” or exotic plant species were present in the sample quadrats of the reclaimed areas, and only one such species, cheatgrass (*Bromus tectorum*), was present in the reference area.

As far as **life composition** of the living cover was concerned, all areas were dominated by grass species, shrubs were well-represented and forbs were usually quite well-represented.

Results from monitoring and quantitative sampling the reclaimed areas including Adit No. 1, Sowbelly Canyon Substation and Hardscrabble Canyon Canyon Substation, and then comparing results from sampling these datasets with the reference area, suggest that revegetation is progressing quite well and has the potential of achieving final success standards when the “responsibility period” required by DOGM for reclaimed lands has passed.

DATA SUMMARY TABLES

Table 1: Castle Gate Mine. Living Cover and Frequency by Plant Species (2007).

Reclaimed Adit No. 1			
SHRUBS	Mean Percent	Standard Deviation	Percent Frequency
<i>Atriplex canescens</i>	16.75	17.91	65.00
<i>Ceratoides lanata</i>	1.50	3.57	15.00
<i>Chrysothamnus nauseosus</i>	5.00	6.89	40.00
FORBS			
<i>Aster chilensis</i>	1.50	3.20	20.00
<i>Linum lewisii</i>	0.50	2.18	5.00
GRASSES			
<i>Bromus carinatus</i>	1.25	5.45	5.00
<i>Elymus cinereus</i>	2.75	7.98	15.00
<i>Elymus lanceolatus</i>	4.75	6.02	40.00
<i>Elymus smithii</i>	5.50	7.73	45.00
<i>Elymus spicatus</i>	15.25	14.45	70.00
<i>Stipa hymenoides</i>	1.75	3.96	20.00

Table 2: Castle Gate Mine. Total Cover and Composition (2007)		
Reclaimed Adit No. 1		
A. TOTAL COVER	Mean Percent	Standard Deviation
Total Living Cover	56.50	20.19
Litter	14.25	7.46
Bareground	12.60	10.19
Rock	16.65	11.75
B. % COMPOSITION		
Shrubs	39.22	25.90
Forbs	4.42	9.63
Grasses	56.35	25.63

Table 3: Castle Gate Mine. Woody Species Density (2007).

Reclaimed Adit No. 1	
SPECIES	Individuals Per Acre
<i>Artemisia tridentata</i>	48.56
<i>Atriplex canescens</i>	2525.25
<i>Ceratoides lanata</i>	242.81
<i>Chrysothamnus nauseosus</i>	1068.38
TOTAL	3885.00

Table 4: Castle Gate Mine. Living Cover and Frequency by Plant Species (2007).

Hardscrabble Canyon Substation			
SHRUBS	Mean Percent	Standard Deviation	Percent Frequency
<i>Artemisia tridentata</i>	2.25	4.87	20.00
<i>Ceratoides lanata</i>	2.25	7.82	10.00
<i>Chrysothamnus nauseosus</i>	15.00	14.83	75.00
<i>Rhus aromatica</i>	0.25	1.09	5.00
FORBS			
<i>Achillea millefolium</i>	4.50	7.89	35.00
<i>Linum lewisii</i>	0.25	1.09	5.00
<i>Penstemon palmeri</i>	3.50	4.21	45.00
GRASSES			
<i>Agropyron cristatum</i>	0.50	2.18	5.00
<i>Elymus cinereus</i>	5.25	11.01	40.00
<i>Elymus lanceolatus</i>	5.25	7.15	40.00
<i>Elymus smithii</i>	2.75	4.32	35.00
<i>Elymus spicatus</i>	6.50	8.38	50.00
<i>Poa secunda</i>	3.75	5.67	35.00
<i>Stipa hymenoides</i>	6.75	11.21	40.00

Table 5: Castle Gate Mine. Total Cover and Composition (2007)		
Hardscrabble Canyon Substation		
A. TOTAL COVER	Mean Percent	Standard Deviation
Total Living Cover	58.75	14.57
Litter	7.75	4.02
Bareground	13.00	9.00
Rock	20.50	13.31
B. % COMPOSITION		
Shrubs	33.01	26.73
Forbs	13.56	12.33
Grasses	53.44	26.72

Table 6: Castle Gate Mine. Woody Species Density (2007).

Hardscrabble Canyon Substation	
SPECIES	Individuals Per Acre
<i>Artemisia tridentata</i>	332.20
<i>Ceratoides lanata</i>	332.20
<i>Chrysothamnus nauseosus</i>	4385.01
<i>Rhus aromatica</i>	265.76
TOTAL	5315.16

Table 7: Castle Gate Mine. Living Cover and Frequency by Plant Species (2007).

Sowbelly Canyon Substation			
SHRUBS	Mean Percent	Standard Deviation	Percent Frequency
<i>Artemisia tridentata</i>	1.75	5.31	10.00
<i>Atriplex canescens</i>	0.75	3.27	5.00
<i>Ceratoides lanata</i>	2.25	7.82	10.00
<i>Chrysothamnus nauseosus</i>	8.50	14.24	40.00
FORBS			
<i>Achillea millefolium</i>	3.00	7.65	15.00
<i>Linum lewisii</i>	6.00	7.68	55.00
<i>Penstemon palmeri</i>	5.75	10.16	40.00
<i>Viguiera multiflora</i>	0.25	1.09	5.00
GRASSES			
<i>Elymus cinereus</i>	9.00	12.41	50.00
<i>Elymus lanceolatus</i>	5.25	7.15	45.00
<i>Elymus smithii</i>	5.25	6.61	45.00
<i>Elymus spicatus</i>	4.00	8.60	25.00
<i>Stipa hymenoides</i>	2.75	6.42	20.00

Table 8: Castle Gate Mine. Total Cover and Composition (2007)		
Sowbelly Canyon Substation		
A. TOTAL COVER	Mean Percent	Standard Deviation
Total Living Cover	54.50	16.50
Litter	10.25	2.95
Bareground	16.95	9.21
Rock	18.30	11.46
B. % COMPOSITION		
Shrubs	22.13	28.13
Forbs	29.01	27.27
Grasses	48.86	30.41

Table 9: Castle Gate Mine. Woody Species Density (2007).

Sowbelly Canyon Substation	
SPECIES	Individuals Per Acre
<i>Artemisia tridentata</i>	237.28
<i>Atriplex canescens</i>	105.46
<i>Ceratoides lanata</i>	105.46
<i>Chrysothamnus nauseosus</i>	1608.26
<i>Rhus aromatica</i>	52.73
TOTAL	2109.20

Table 10: Castle Gate Mine. Living Cover and Frequency by Plant Species (2007).

Sowbelly Canyon Reference Area			
SHRUBS	Mean Percent	Standard Deviation	Percent Frequency
<i>Artemisia tridentata</i>	0.25	1.09	5.00
<i>Atriplex canescens</i>	4.00	7.52	25.00
<i>Chrysothamnus nauseosus</i>	10.50	17.46	45.00
FORBS			
<i>Artemisia dracunculus</i>	2.25	4.87	25.00
<i>Aster chilensis</i>	3.25	5.76	30.00
<i>Penstemon palmeri</i>	0.50	2.18	5.00
GRASSES			
<i>Bromus carinatus</i>	0.50	2.18	5.00
<i>Bromus tectorum</i>	1.50	3.91	15.00
<i>Elymus lanceolatus</i>	8.75	13.68	45.00
<i>Elymus smithii</i>	21.50	20.98	55.00
<i>Poa secunda</i>	0.25	1.09	5.00
<i>Stipa hymenoides</i>	1.50	3.91	15.00

Table 11: Castle Gate Mine. Total Cover and Composition (2007)		
Sowbelly Canyon Reference Area		
A. TOTAL COVER	Mean Percent	Standard Deviation
Total Living Cover	54.75	13.74
Litter	19.50	9.86
Bareground	9.20	6.01
Rock	16.55	16.24
B. % COMPOSITION		
Shrubs	25.63	28.16
Forbs	14.26	22.17
Grasses	60.12	30.10

Table 12: Castle Gate Mine. Woody Species Density (2007).

Sowbelly Canyon Reference Area	
SPECIES	Individuals Per Acre
<i>Artemisia tridentata</i>	201.27
<i>Atriplex canescens</i>	452.87
<i>Chrysothamnus nauseosus</i>	1333.45
<i>Quercus gambelii</i>	25.16
TOTAL	2012.75

TABLE 13: Castle Gate Mine. Statistical summary sheet comparing the reclaimed areas with the reference area (2007).

**A.
TOTAL LIVING COVER**

Reclaimed Areas

Adit No. 1	$\bar{x}=56.50$	$s=20.19$	$n=20$
Hardscrabble Subst.	$\bar{x}=58.75$	$s=14.57$	$n=20$
Sowbelly Subst.	$\bar{x}=54.50$	$s=16.50$	$n=20$

Reference Area

Sowbelly Reference Area	$\bar{x}=54.75$	$s=13.74$	$n=20$
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STATISTICAL SUMMARY

Student's t-tests

Adit No. 1	$t=0.320$	$df=38$	$SL=NS$
Hardscrabble Subst.	$t=0.893$	$df=38$	$SL=NS$
Sowbelly Subst.	$t=-0.052$	$df=38$	$SL=NS$

**B.
WOODY SPECIES DENSITY**

Adit No. 1	$\bar{x}=3885.00$	$s=2476.25$	$n=20$
Hardscrabble Subst.	$\bar{x}=5315.16$	$s=2573.62$	$n=20$
Sowbelly Subst.	$\bar{x}=2109.20$	$s=1126.39$	$n=20$

Reference Area

Sowbelly Reference Area	$\bar{x}=2012.75$	$s=1363.17$	$n=20$
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STATISTICAL SUMMARY

Adit No. 1	$t=2.962$	$df=38$	$SL=p<.010$
Hardscrabble Subst.	$t=5.071$	$df=38$	$SL=p<.001$
Sowbelly Subst.	$t=0.244$	$df=38$	$SL=NS$

\bar{x} = sample mean, s = sample standard deviation, n = sample size,
 NS = nonsignificant, t = Student's t-value, df = degrees of freedom,
 SL = significance level, p = probability level

FIGURES

FIG 1. LIVING COVER: RECLAIMED & REFERENCE AREAS OF THE CASTLE GATE MINE

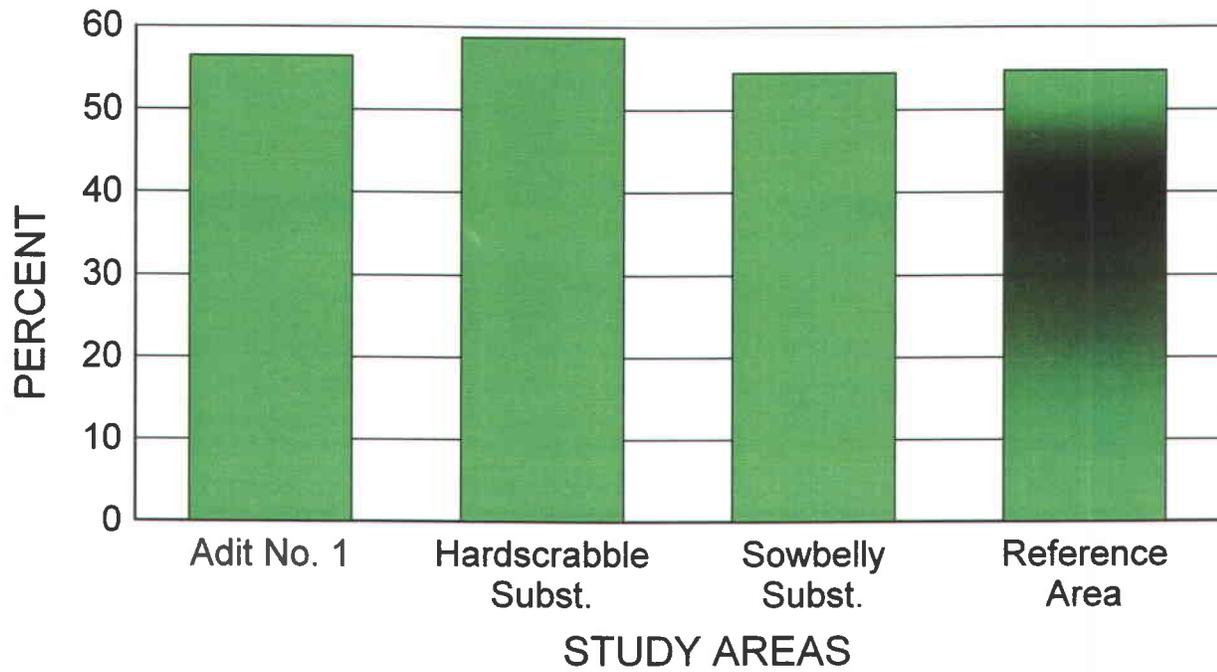
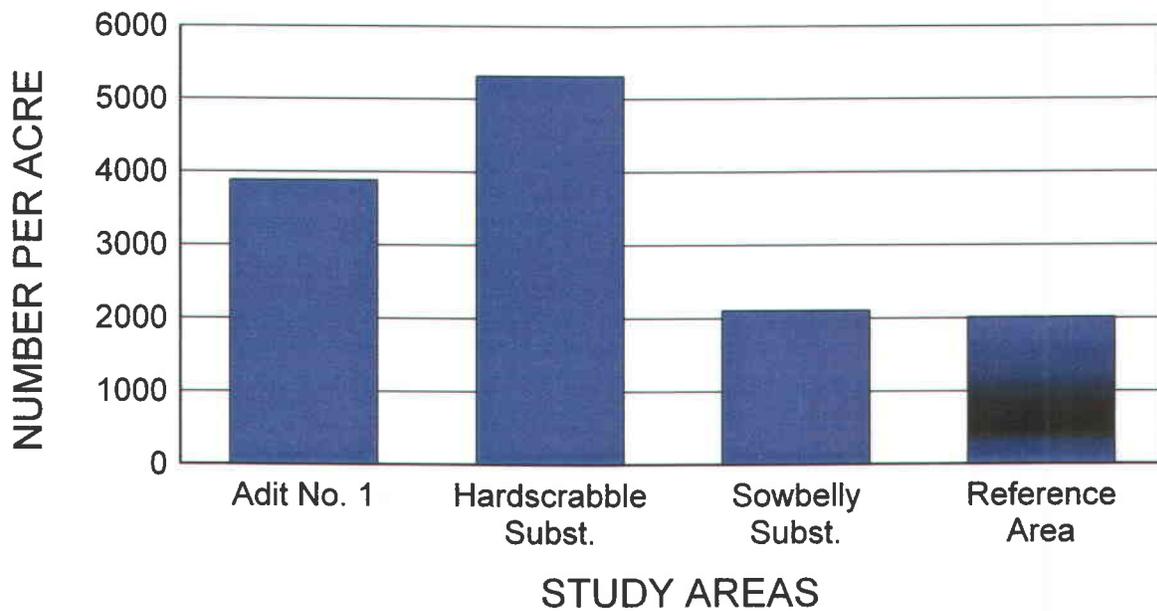
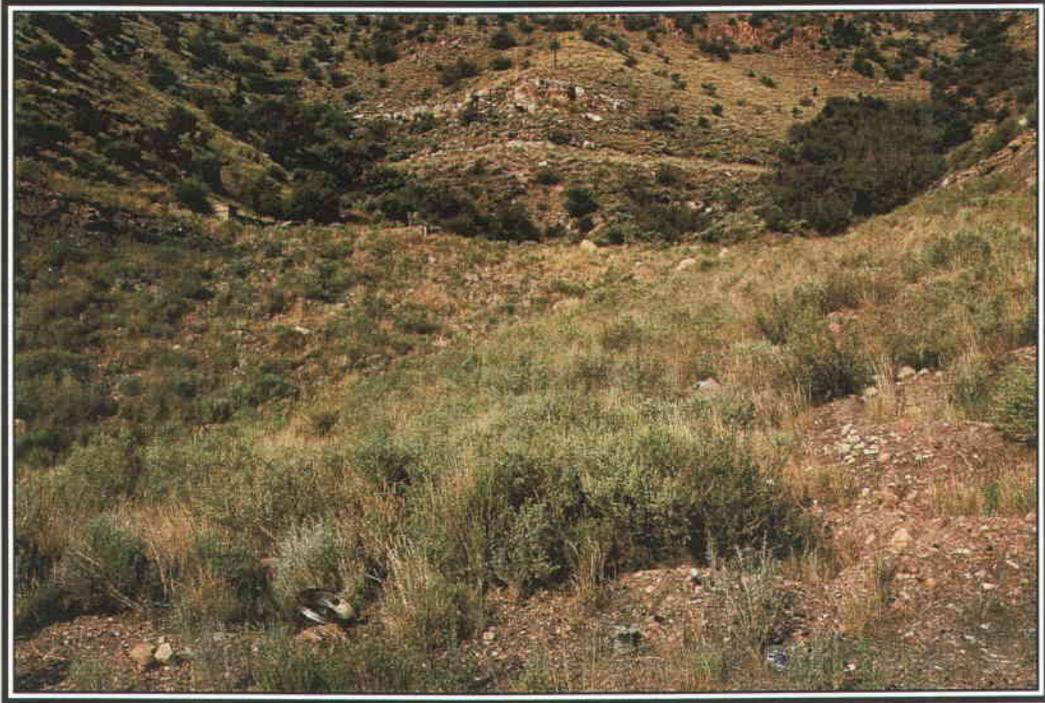


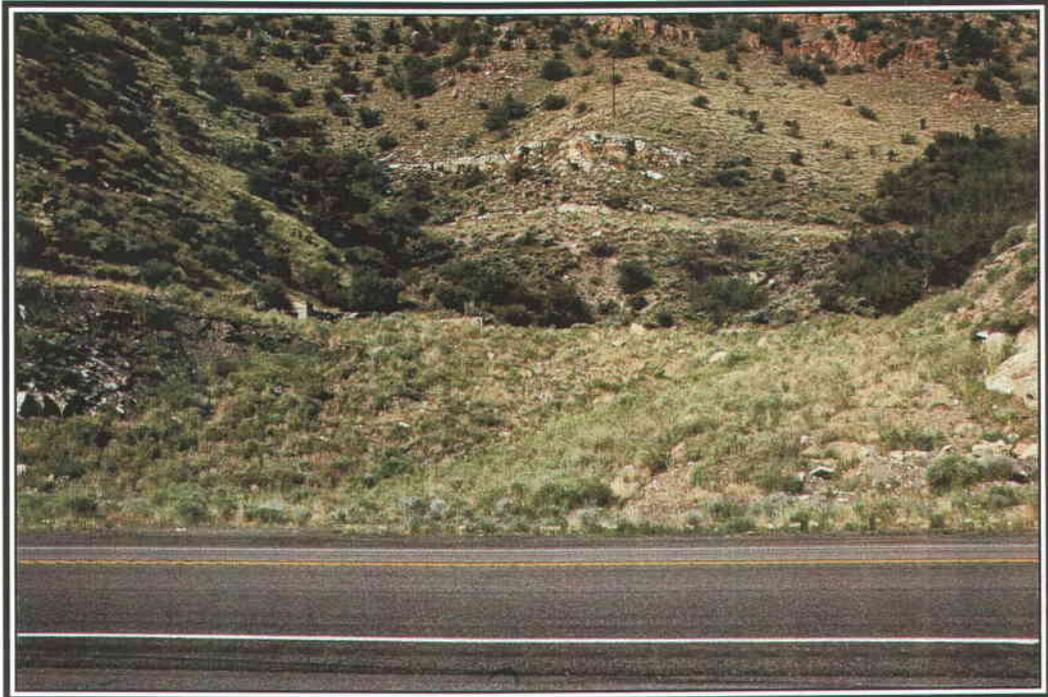
FIG 2. DENSITY: RECLAIMED & REFERENCE AREAS OF THE CASTLE GATE MINE



**COLOR PHOTOGRAPHS
OF THE
SAMPLE AREAS**



Reclaimed Adit No. 1 (1 of 2)



Reclaimed Adit No. 1 (2 of 2)



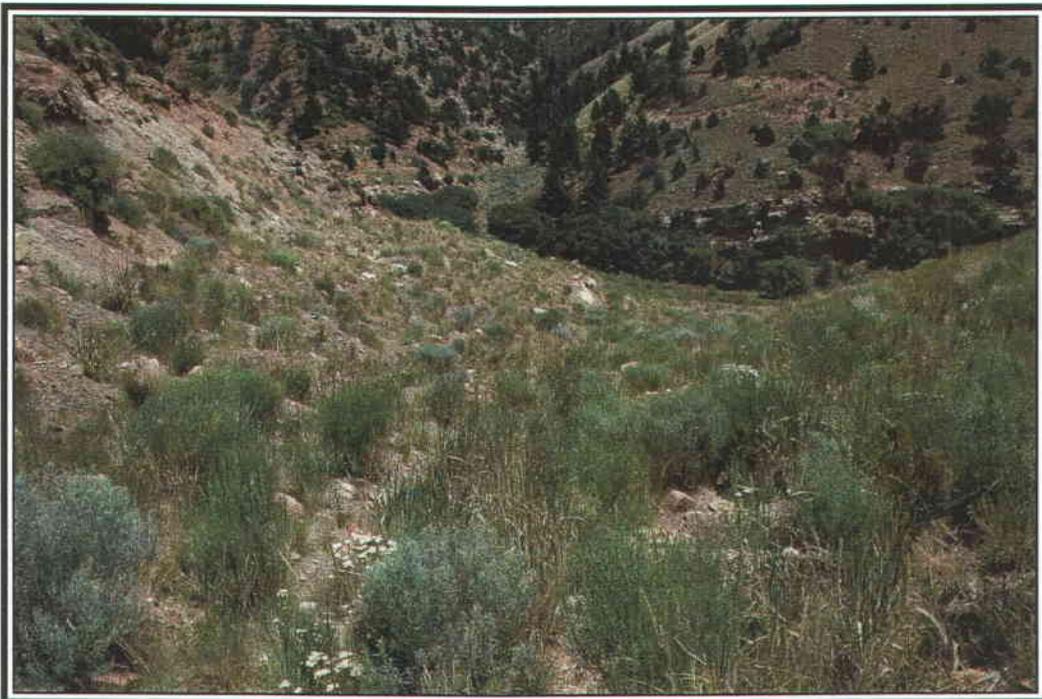
Reclaimed Hardscrabble Canyon Substation (1 of 2)



Reclaimed Hardscrabble Canyon Substation (2 of 2)



Reclaimed Sowbelly Canyon Substation (1 of 2)



Reclaimed Sowbelly Canyon Substation (2 of 2)



Sowbelly Canyon Reference Area (1 of 2)



Sowbelly Canyon Reference Area (2 of 2)

APPENDIX

Raw Data

PLATEAU MINING

Reclaimed Adit #1

Castlegate Mine

Slope: 10-25 deg

Exposure: Variable

Sample Date: 11-12 July 2007

	1.00	2.00	3.00	4.00	5.00	6.00	7.00
<hr/>							
SHRUBS							
<i>Atriplex canescens</i>	15.00	0.00	10.00	35.00	45.00	30.00	5.00
<i>Ceratoides lanata</i>	0.00	0.00	0.00	0.00	0.00	10.00	0.00
<i>Chrysothamnus nauseosus</i>	10.00	5.00	15.00	0.00	0.00	0.00	0.00
FORBS							
<i>Aster chilensis</i>	0.00	5.00	0.00	0.00	0.00	0.00	0.00
<i>Linum lewisii</i>	0.00	0.00	0.00	0.00	0.00	0.00	0.00
GRASSES							
<i>Bromus carinatus</i>	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<i>Elymus cinereus</i>	10.00	0.00	0.00	0.00	0.00	0.00	0.00
<i>Elymus lanceolatus</i>	0.00	0.00	0.00	0.00	15.00	10.00	0.00
<i>Elymus smithii</i>	0.00	0.00	10.00	0.00	0.00	0.00	0.00
<i>Elymus spicatus</i>	0.00	0.00	40.00	20.00	15.00	0.00	25.00
<i>Stipa hymenoides</i>	0.00	5.00	0.00	0.00	0.00	0.00	15.00
<hr/>							
COVER							
Total Living Cover	35.00	15.00	75.00	55.00	75.00	50.00	45.00
Litter	5.00	25.00	10.00	25.00	10.00	10.00	35.00
Bareground	30.00	15.00	5.00	15.00	5.00	15.00	10.00
Rock	30.00	45.00	10.00	5.00	10.00	25.00	10.00
<hr/>							
% COMPOSITION							
Shrubs	71.43	33.33	33.33	63.64	60.00	80.00	11.11
Forbs	0.00	33.33	0.00	0.00	0.00	0.00	0.00
Grasses	28.57	33.33	66.67	36.36	40.00	20.00	88.89

8.00	9.00	10.00	11.00	12.00	13.00	14.00	15.00	16.00	17.00
25.00	30.00	0.00	0.00	0.00	25.00	65.00	0.00	30.00	0.00
0.00	10.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10.00	0.00	20.00	0.00	0.00	0.00	0.00	0.00	0.00	10.00
0.00	0.00	10.00	0.00	0.00	0.00	0.00	0.00	0.00	10.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	35.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10.00	0.00	0.00	15.00	0.00	10.00	0.00	0.00	0.00	0.00
0.00	10.00	5.00	0.00	25.00	5.00	0.00	25.00	0.00	10.00
5.00	10.00	10.00	45.00	0.00	0.00	25.00	0.00	20.00	35.00
5.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
55.00	60.00	80.00	60.00	25.00	40.00	90.00	25.00	75.00	65.00
20.00	10.00	10.00	15.00	10.00	20.00	5.00	10.00	20.00	10.00
10.00	10.00	5.00	10.00	25.00	10.00	1.00	45.00	1.00	15.00
15.00	20.00	5.00	15.00	40.00	30.00	4.00	20.00	4.00	10.00
63.64	66.67	25.00	0.00	0.00	62.50	72.22	0.00	40.00	15.38
0.00	0.00	12.50	0.00	0.00	0.00	0.00	0.00	0.00	15.38
36.36	33.33	62.50	100.00	100.00	37.50	27.78	100.00	60.00	69.23

PLATEAU MINING
 Reclaimed Adit #1
 Castlegate MINE
 Slope: 10-25 deg
 Exposure: Variable
 Sample Date: 11-12 July 2007

18.00	19.00	20.00	Mean	SDev	Freq	
<hr/>						SHRUBS
5.00	0.00	15.00	16.75	17.91	65.00	<i>Atriplex canescens</i>
0.00	10.00	0.00	1.50	3.57	15.00	<i>Ceratoides lanata</i>
10.00	20.00	0.00	5.00	6.89	40.00	<i>Chrysothamnus nauseosus</i>
<hr/>						FORBS
5.00	0.00	0.00	1.50	3.20	20.00	<i>Aster chilensis</i>
10.00	0.00	0.00	0.50	2.18	5.00	<i>Linum lewisii</i>
<hr/>						GRASSES
0.00	0.00	0.00	1.25	5.45	5.00	<i>Bromus carinatus</i>
0.00	10.00	0.00	2.75	7.98	15.00	<i>Elymus cinereus</i>
10.00	15.00	10.00	4.75	6.02	40.00	<i>Elymus lanceolatus</i>
0.00	10.00	10.00	5.50	7.73	45.00	<i>Elymus smithii</i>
5.00	15.00	35.00	15.25	14.45	70.00	<i>Elymus spicatus</i>
10.00	0.00	0.00	1.75	3.96	20.00	<i>Stipa hymenoides</i>
<hr/>						COVER
55.00	80.00	70.00	56.50	20.19		Total Living Cover
15.00	10.00	10.00	14.25	7.46		Litter
10.00	5.00	10.00	12.60	10.19		Bareground
20.00	5.00	10.00	16.65	11.75		Rock
<hr/>						% COMPOSITION
27.27	37.50	21.43	39.22	25.90		Shrubs
27.27	0.00	0.00	4.42	9.63		Forbs
45.45	62.50	78.57	56.35	25.63		Grasses

PLATEAU MINING

Hardscrabble

Substation

Slope: 7 deg

Exposure: W

Sample Date: 11-12 July 2007

	1.00	2.00	3.00	4.00	5.00	6.00	7.00
SHRUBS							
<i>Artemisia tridentata</i>	10.00	0.00	0.00	15.00	0.00	0.00	0.00
<i>Ceratoides lanata</i>	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<i>Chrysothamnus nauseosus</i>	5.00	55.00	0.00	0.00	0.00	20.00	20.00
<i>Rhus aromatica</i>	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FORBS							
<i>Achillea millefolium</i>	0.00	10.00	0.00	0.00	0.00	0.00	5.00
<i>Linum lewisii</i>	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<i>Penstemon palmeri</i>	10.00	0.00	5.00	10.00	0.00	0.00	0.00
GRASSES							
<i>Agropyron cristatum</i>	10.00	0.00	0.00	0.00	0.00	0.00	0.00
<i>Elymus cinereus</i>	0.00	0.00	5.00	0.00	10.00	0.00	5.00
<i>Elymus lanceolatus</i>	10.00	0.00	0.00	25.00	0.00	0.00	0.00
<i>Elymus smithii</i>	10.00	15.00	0.00	0.00	10.00	0.00	0.00
<i>Elymus spicatus</i>	5.00	0.00	10.00	20.00	0.00	20.00	0.00
<i>Poa secunda</i>	0.00	0.00	10.00	0.00	10.00	10.00	0.00
<i>Stipa hymenoides</i>	0.00	0.00	45.00	0.00	20.00	0.00	0.00
COVER							
Total Living Cover	60.00	80.00	75.00	70.00	50.00	50.00	30.00
Litter	5.00	10.00	5.00	10.00	5.00	10.00	5.00
Bareground	15.00	5.00	15.00	5.00	25.00	20.00	30.00
Rock	20.00	5.00	5.00	15.00	20.00	20.00	35.00
% COMPOSITION							
Shrubs	25.00	68.75	0.00	21.43	0.00	40.00	66.67
Forbs	16.67	12.50	6.67	14.29	0.00	0.00	16.67
Grasses	58.33	18.75	93.33	64.29	100.00	60.00	16.67

8.00	9.00	10.00	11.00	12.00	13.00	14.00	15.00	16.00	17.00
15.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	35.00
35.00	0.00	10.00	15.00	20.00	10.00	5.00	15.00	30.00	5.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	20.00	10.00	30.00	0.00	0.00	0.00	0.00
0.00	5.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	10.00	5.00	0.00	10.00	0.00	0.00	10.00	5.00	5.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10.00	0.00	0.00	0.00	0.00	0.00	5.00	10.00	0.00	0.00
0.00	0.00	0.00	15.00	10.00	10.00	15.00	0.00	10.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.00	5.00
0.00	0.00	10.00	0.00	0.00	10.00	0.00	30.00	10.00	0.00
0.00	10.00	0.00	0.00	20.00	10.00	5.00	0.00	0.00	0.00
0.00	15.00	20.00	15.00	0.00	0.00	5.00	0.00	10.00	0.00
70.00	40.00	45.00	65.00	70.00	70.00	35.00	65.00	70.00	50.00
10.00	5.00	5.00	10.00	20.00	15.00	5.00	10.00	5.00	5.00
5.00	5.00	20.00	10.00	5.00	5.00	5.00	5.00	15.00	15.00
15.00	50.00	30.00	15.00	5.00	10.00	55.00	20.00	10.00	30.00
85.71	0.00	22.22	23.08	28.57	14.29	14.29	23.08	42.86	80.00
0.00	37.50	11.11	30.77	28.57	42.86	0.00	15.38	7.14	10.00
14.29	62.50	66.67	46.15	42.86	42.86	85.71	61.54	50.00	10.00

PLATEAU MINING

Hardscrabble

Substation

Slope: 7 deg

Exposure: Variable

Sample Date: 11-12 July 2007

18.00	19.00	20.00	Mean	SDev	Freq	
<hr/>						SHRUBS
0.00	5.00	0.00	2.25	4.87	20.00	<i>Artemisia tridentata</i>
0.00	0.00	0.00	2.25	7.82	10.00	<i>Ceratoides lanata</i>
15.00	40.00	0.00	15.00	14.83	75.00	<i>Chrysothamnus nauseosus</i>
0.00	5.00	0.00	0.25	1.09	5.00	<i>Rhus aromatica</i>
<hr/>						FORBS
0.00	10.00	5.00	4.50	7.89	35.00	<i>Achillea millefolium</i>
0.00	0.00	0.00	0.25	1.09	5.00	<i>Linum lewisii</i>
0.00	0.00	0.00	3.50	4.21	45.00	<i>Penstemon palmeri</i>
<hr/>						GRASSES
0.00	0.00	0.00	0.50	2.18	5.00	<i>Agropyron cristatum</i>
0.00	10.00	50.00	5.25	11.01	40.00	<i>Elymus cinereus</i>
10.00	0.00	0.00	5.25	7.15	40.00	<i>Elymus lanceolatus</i>
5.00	5.00	0.00	2.75	4.32	35.00	<i>Elymus smithii</i>
5.00	0.00	10.00	6.50	8.38	50.00	<i>Elymus spicatus</i>
0.00	0.00	0.00	3.75	5.67	35.00	<i>Poa secunda</i>
5.00	0.00	0.00	6.75	11.21	40.00	<i>Stipa hymenoides</i>
<hr/>						COVER
40.00	75.00	65.00	58.75	14.57		Total Living Cover
5.00	5.00	5.00	7.75	4.02		Litter
35.00	5.00	15.00	13.00	9.00		Bareground
20.00	15.00	15.00	20.50	13.31		Rock
<hr/>						% COMPOSITION
37.50	66.67	0.00	33.01	26.73		Shrubs
0.00	13.33	7.69	13.56	12.33		Forbs
62.50	20.00	92.31	53.44	26.72		Grasses

PLATEAU MINING

SOWBELLY

Substation

Slope: 10-45 deg

Exposure: ENS

Sample Date: 11-12 July 2007

1.00 2.00 3.00 4.00 5.00 6.00 7.00

SHRUBS

<i>Artemisia tridentata</i>	0.00	0.00	0.00	0.00	0.00	0.00	20.00
<i>Atriplex canescens</i>	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<i>Ceratoides lanata</i>	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<i>Chrysothamnus nauseosus</i>	0.00	50.00	35.00	5.00	0.00	0.00	25.00

FORBS

<i>Achillea millefolium</i>	0.00	0.00	0.00	15.00	0.00	0.00	0.00
<i>Linum lewisii</i>	0.00	0.00	5.00	0.00	0.00	5.00	0.00
<i>Penstemon palmeri</i>	0.00	0.00	0.00	0.00	0.00	5.00	0.00
<i>Viguiera multiflora</i>	0.00	0.00	0.00	0.00	0.00	0.00	0.00

GRASSES

<i>Elymus cinereus</i>	40.00	25.00	15.00	15.00	40.00	10.00	0.00
<i>Elymus lanceolatus</i>	10.00	0.00	10.00	0.00	10.00	10.00	20.00
<i>Elymus smithii</i>	10.00	0.00	15.00	15.00	10.00	5.00	0.00
<i>Elymus spicatus</i>	0.00	0.00	0.00	15.00	0.00	0.00	0.00
<i>Stipa hymenoides</i>	0.00	0.00	0.00	0.00	0.00	0.00	0.00

COVER

Total Living Cover	60.00	75.00	80.00	65.00	60.00	35.00	65.00
Litter	5.00	10.00	15.00	10.00	5.00	5.00	10.00
Bareground	15.00	10.00	4.00	15.00	15.00	35.00	15.00
Rock	20.00	5.00	1.00	10.00	20.00	25.00	10.00

% COMPOSITION

Shrubs	0.00	66.67	43.75	7.69	0.00	0.00	69.23
Forbs	0.00	0.00	6.25	23.08	0.00	28.57	0.00
Grasses	100.00	33.33	50.00	69.23	100.00	71.43	30.77

8.00	9.00	10.00	11.00	12.00	13.00	14.00	15.00	16.00	17.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	15.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	35.00	0.00	0.00	0.00	10.00	0.00
0.00	0.00	30.00	0.00	10.00	10.00	0.00	5.00	0.00	0.00
0.00	0.00	0.00	15.00	0.00	0.00	0.00	0.00	0.00	0.00
15.00	0.00	0.00	10.00	15.00	5.00	0.00	10.00	5.00	15.00
0.00	0.00	0.00	10.00	0.00	0.00	5.00	0.00	25.00	15.00
0.00	0.00	0.00	5.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	10.00	0.00	0.00	10.00	0.00	10.00	0.00	0.00	0.00
0.00	10.00	0.00	0.00	0.00	0.00	25.00	0.00	5.00	0.00
0.00	15.00	10.00	0.00	0.00	0.00	0.00	0.00	5.00	20.00
35.00	0.00	10.00	0.00	0.00	0.00	0.00	0.00	15.00	0.00
0.00	0.00	0.00	25.00	0.00	0.00	0.00	15.00	0.00	0.00
50.00	35.00	65.00	65.00	70.00	15.00	40.00	30.00	65.00	50.00
10.00	10.00	15.00	15.00	10.00	10.00	10.00	10.00	10.00	15.00
15.00	40.00	10.00	10.00	10.00	25.00	25.00	25.00	10.00	25.00
25.00	15.00	10.00	10.00	10.00	50.00	25.00	35.00	15.00	10.00
0.00	0.00	69.23	0.00	64.29	66.67	0.00	16.67	15.38	0.00
30.00	0.00	0.00	61.54	21.43	33.33	12.50	33.33	46.15	60.00
70.00	100.00	30.77	38.46	14.29	0.00	87.50	50.00	38.46	40.00

PLATEAU MINING
 SOWBELLY
 Substation
 Slope: 10-45 deg
 Exposure: ENS
 Sample Date: 11-12 July 2007

18.00	19.00	20.00	Mean	SDev	Freq	
<hr/>						SHRUBS
0.00	15.00	0.00	1.75	5.31	10.00	<i>Artemisia tridentata</i>
0.00	0.00	0.00	0.75	3.27	5.00	<i>Atriplex canescens</i>
0.00	0.00	0.00	2.25	7.82	10.00	<i>Ceratoides lanata</i>
0.00	0.00	0.00	8.50	14.24	40.00	<i>Chrysothamnus nauseosus</i>
<hr/>						FORBS
0.00	30.00	0.00	3.00	7.65	15.00	<i>Achillea millefolium</i>
30.00	0.00	5.00	6.00	7.68	55.00	<i>Linum lewisii</i>
5.00	10.00	40.00	5.75	10.16	40.00	<i>Penstemon palmeri</i>
0.00	0.00	0.00	0.25	1.09	5.00	<i>Viguiera multiflora</i>
<hr/>						GRASSES
0.00	0.00	5.00	9.00	12.41	50.00	<i>Elymus cinereus</i>
0.00	0.00	5.00	5.25	7.15	45.00	<i>Elymus lanceolatus</i>
0.00	0.00	0.00	5.25	6.61	45.00	<i>Elymus smithii</i>
0.00	0.00	5.00	4.00	8.60	25.00	<i>Elymus spicatus</i>
5.00	10.00	0.00	2.75	6.42	20.00	<i>Stipa hymenoides</i>
<hr/>						COVER
40.00	65.00	60.00	54.50	16.50		Total Living Cover
10.00	10.00	10.00	10.25	2.95		Litter
15.00	5.00	15.00	16.95	9.21		Bareground
35.00	20.00	15.00	18.30	11.46		Rock
<hr/>						% COMPOSITION
0.00	23.08	0.00	22.13	28.13		Shrubs
87.50	61.54	75.00	29.01	27.27		Forbs
12.50	15.38	25.00	48.86	30.41		Grasses

PLATEAU MINING
SOWBELLY REFERENCE AREA

5 -15 deg

Exposure: Variable

Sample Date: 11-12 July 2007

	1.00	2.00	3.00	4.00	5.00	6.00	7.00
SHRUBS							
<i>Artemisia tridentata</i>	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<i>Atriplex canescens</i>	0.00	0.00	15.00	0.00	0.00	0.00	0.00
<i>Chrysothamnus nauseosus</i>	10.00	70.00	30.00	25.00	20.00	0.00	5.00
FORBS							
<i>Artemisia dracunculus</i>	0.00	0.00	0.00	0.00	0.00	0.00	5.00
<i>Aster chilensis</i>	10.00	0.00	0.00	0.00	20.00	5.00	0.00
<i>Penstemon palmeri</i>	0.00	0.00	0.00	0.00	0.00	0.00	0.00
GRASSES							
<i>Bromus carinatus</i>	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<i>Bromus tectorum</i>	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<i>Elymus lanceolatus</i>	20.00	0.00	10.00	0.00	0.00	5.00	0.00
<i>Elymus smithii</i>	0.00	0.00	0.00	25.00	30.00	35.00	55.00
<i>Poa secunda</i>	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<i>Stipa hymenoides</i>	0.00	0.00	0.00	0.00	0.00	0.00	0.00
COVER							
Total Living Cover	40.00	70.00	55.00	50.00	70.00	45.00	65.00
Litter	10.00	25.00	15.00	35.00	20.00	40.00	25.00
Bareground	5.00	4.00	5.00	5.00	5.00	5.00	5.00
Rock	45.00	1.00	25.00	10.00	5.00	10.00	5.00
% COMPOSITION							
Shrubs	25.00	100.00	81.82	50.00	28.57	0.00	7.69
Forbs	25.00	0.00	0.00	0.00	28.57	11.11	7.69
Grasses	50.00	0.00	18.18	50.00	42.86	88.89	84.62

8.00	9.00	10.00	11.00	12.00	13.00	14.00	15.00	16.00	17.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.00	0.00	0.00
0.00	10.00	10.00	0.00	0.00	20.00	0.00	0.00	0.00	0.00
35.00	0.00	0.00	0.00	0.00	0.00	0.00	5.00	0.00	10.00
0.00	0.00	0.00	5.00	5.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	5.00	15.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.00
0.00	10.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15.00	0.00	0.00	5.00	0.00	10.00	0.00	0.00	0.00	0.00
0.00	15.00	40.00	10.00	0.00	0.00	0.00	0.00	50.00	0.00
0.00	30.00	0.00	40.00	40.00	0.00	55.00	50.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.00
10.00	0.00	0.00	0.00	0.00	15.00	0.00	0.00	0.00	5.00
60.00	65.00	50.00	60.00	45.00	50.00	70.00	60.00	50.00	30.00
10.00	20.00	35.00	20.00	15.00	10.00	15.00	25.00	30.00	5.00
20.00	5.00	5.00	10.00	15.00	25.00	5.00	10.00	10.00	20.00
10.00	10.00	10.00	10.00	25.00	15.00	10.00	5.00	10.00	45.00
58.33	15.38	20.00	0.00	0.00	40.00	0.00	16.67	0.00	33.33
0.00	0.00	0.00	8.33	11.11	10.00	21.43	0.00	0.00	33.33
41.67	84.62	80.00	91.67	88.89	50.00	78.57	83.33	100.00	33.33

PLATEAU MINING
 SOWBELLY REFERENCE ARE
 5 -15 deg
 Exposure: Variable
 Sample Date: 11-12 July 2007

18.00	19.00	20.00	Mean	SDev	Freq	
<hr/>						SHRUBS
0.00	0.00	0.00	0.25	1.09	5.00	<i>Artemisia tridentata</i>
0.00	0.00	25.00	4.00	7.52	25.00	<i>Atriplex canescens</i>
0.00	0.00	0.00	10.50	17.46	45.00	<i>Chrysothamnus nauseosus</i>
<hr/>						FORBS
20.00	0.00	10.00	2.25	4.87	25.00	<i>Artemisia dracunculul</i>
0.00	10.00	0.00	3.25	5.76	30.00	<i>Aster chilensis</i>
0.00	0.00	0.00	0.50	2.18	5.00	<i>Penstemon palmeri</i>
<hr/>						GRASSES
0.00	0.00	0.00	0.50	2.18	5.00	<i>Bromus carinatus</i>
0.00	0.00	0.00	1.50	3.91	15.00	<i>Bromus tectorum</i>
0.00	15.00	10.00	8.75	13.68	45.00	<i>Elymus lanceolatus</i>
0.00	45.00	25.00	21.50	20.98	55.00	<i>Elymus smithii</i>
0.00	0.00	0.00	0.25	1.09	5.00	<i>Poa secunda</i>
0.00	0.00	0.00	1.50	3.91	15.00	<i>Stipa hymenoides</i>
<hr/>						COVER
20.00	70.00	70.00	54.75	13.74		Total Living Cover
5.00	10.00	20.00	19.50	9.86		Litter
10.00	10.00	5.00	9.20	6.01		Bareground
65.00	10.00	5.00	16.55	16.24		Rock
<hr/>						% COMPOSITION
0.00	0.00	35.71	25.63	28.16		Shrubs
100.00	14.29	14.29	14.26	22.17		Forbs
0.00	85.71	50.00	60.12	30.10		Grasses

APPENDIX C

Legal Financial, Compliance and Related Information

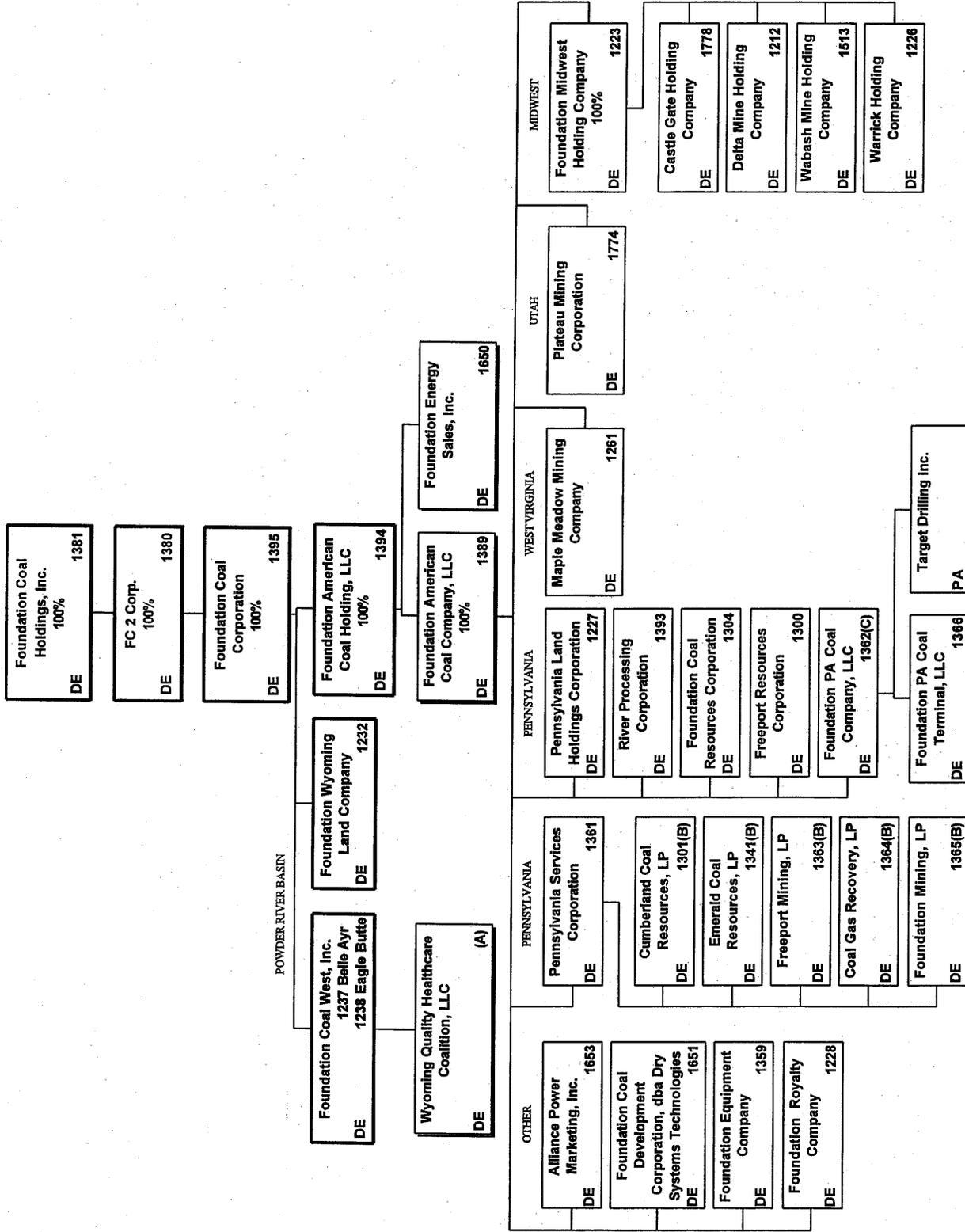
Annual Report of Officers
As submitted to the Utah Department of Commerce

Other change in ownership and control information
As required under R645-301-110

CONTENTS

OFFICERS AND DIRECTORS INFORMATION

FOUNDATION COAL HOLDINGS, INC. - Summary of Organization
 Non-West Virginia Operations



(A) 33.3% owned by Foundation Coal West, Inc.
 (B) 1% owned by Pennsylvania Services Corporation, General Partner
 (C) 99% limited partner of the Pennsylvania LPs designated by (B) above; 49% owner of Target Drilling Inc.

FOUNDATION COAL HOLDINGS, INC. - #1381
(formerly FC 1 Corp.; name changed to Foundation Coal Holdings, Inc. 8/10/04)

Principal Operating Office: 999 Corporate Blvd.
Linthicum Heights, MD 21090

Incorporation:
State Delaware
Date July 19, 2004
Existence Perpetual

Annual Stockholders' Meeting:
Date At such time as determined by the Board
Location At such place as determined by the Board

Resident Agent in State of Incorporation: The Corporation Trust Company
1209 Orange Street, Wilmington, DE 19801

Date Qualified to Do Business In: Maryland (10/20/04)

Capital Stock:
Authorized 100,000,000 common - \$0.01 par value
10,000,000 preferred - \$0.01 par value
Issued 46,583,670 common* (includes 1,422,558 treasury)
Outstanding 45,161,112 common*
Ownership Publicly traded

Principal Activity: Holding company of all U. S. coal properties previously owned by RAG Coal International AG.

IRS Identification Number: 42-1638663

Officers:	Name:	Date Elected:
Chief Executive Officer	James F. Roberts	Aug. 16, 2004
President and Chief Operating Officer	Kurt D. Kost	Jan. 1, 2008
Senior Vice President and Chief Financial Officer	Frank J. Wood	Aug. 16, 2004
Senior Vice President, Operations	James J. Bryja	June 18, 2007
Senior Vice President and Chief Information Officer	James A. Olsen	Dec. 13, 2007
Senior Vice President, Sales and Marketing	A. Scott Pack, Jr.	May 18, 2006
Senior Vice President, Safety and Human Resources	Michael R. Peelish	Aug. 16, 2004
Senior Vice President, General Counsel, and Secretary	Greg A. Walker	Aug. 16, 2004
Vice President and Corporate Controller	James L. Anderson, Jr.	Sept. 13, 2007/Dec. 15, 2004
Vice President, Investor and Media Relations	Todd C. Allen	Sept. 17, 2007
Treasurer	Gary G. Pearson	Aug. 16, 2004
Assistant Secretary	Edythe C. Katz	Oct. 7, 2004

* as of March 26, 2008

FOUNDATION COAL HOLDINGS, INC. - #1381
(formerly FC 1 Corporation; name changed to Foundation Coal Holdings, Inc. 8/10/04)

	Name:	Date Elected:
Directors:		
Chairman	James F. Roberts	Aug. 17, 2004/Apr. 1, 2006
Lead Independent Director	Joel Richards, III	Mar. 8, 2005/Apr. 1, 2006
	William J. Crowley, Jr.	Dec. 1, 2004
	David I. Foley	Aug. 17, 2004
	P. Michael Giftos	Dec. 7, 2005
	Alex T. Krueger	Aug. 17, 2004
	Robert C. Scharp	Dec. 7, 2005
	Thomas V. Shockley, III	Apr. 1, 2006
Audit Committee:		
Chairman	William J. Crowley, Jr.	Dec. 1, 2004
	P. Michael Giftos	Dec. 7, 2005
	Robert C. Scharp	Dec. 7, 2005
	Thomas V. Shockley	Apr. 1, 2006
Compensation Committee:		
Chairman	David I. Foley	Oct. 26, 2005/Feb. 7, 2006
	Alex T. Krueger	Jan. 1, 2008
	Joel Richards III	Mar. 8, 2005
	Thomas V. Shockley, III	Apr. 15, 2007
Nominating and Corporate Governance Committee:		
Chairman	Joel Richards III	Mar. 8, 2005/Dec. 7, 2005
	William J. Crowley, Jr.	Dec. 1, 2004
	P. Michael Giftos	Dec. 7, 2005
	Robert C. Scharp	Apr. 1, 2006

FC 2 CORP. - #1380

Principal Operating Office:

999 Corporate Blvd
Linthicum Heights, MD 21090

Incorporation:

State Delaware
Date July 19, 2004
Existence Perpetual

Annual Stockholders' Meeting:

Date In July at such day and time as the Board may determine
Location At such place as the Board may determine

Resident Agent in State of Incorporation:

The Corporation Trust Company
1209 Orange Street, Wilmington, DE 19801

Date Qualified to Do Business In:

Maryland (10/1/04)

Capital Stock:

Authorized 100 - \$0.01 par value
Outstanding 100
Ownership Foundation Coal Holdings, Inc.

Principal Activity:

Acquisition vehicle in connection with acquisition of North American operations of RAG Coal International AG and related financing; intermediate holding company.

IRS Identification Number:

42-1638665

Officers:

	Name:	Date Elected:
President and Chief Executive Officer	James F. Roberts	July 30, 2004
Senior Vice President and Chief Financial Officer	Frank J. Wood	July 30, 2004
Senior Vice President, General Counsel and Secretary	Greg A. Walker	July 30, 2004
Corporate Controller	James L. Anderson, Jr.	Nov. 23, 2004
Assistant Secretary	Edythe C. Katz	Sept. 23, 2004

Directors:

James F. Roberts	July 30, 2004
Frank J. Wood	July 30, 2004

FOUNDATION COAL CORPORATION - #1395
(Incorporated as American Coal Holding Corp.; name changed to American Coal Acquisition Corp. 4/30/04; name changed to Foundation Coal Corporation 6/24/04)

Principal Operating Office: 999 Corporate Blvd.
Linthicum Heights, MD 21090

Formation:
State Delaware
Date April 23, 2004
Existence Perpetual

Annual Stockholders' Meeting:
Date In April at day and time as Board may determine
Location At such place as the Board may determine

Resident Agent in State of Incorporation: The Corporation Trust Company
1209 Orange Street, Wilmington, DE 19801

Date Qualified to Do Business In: Colorado (11/18/04), Maryland (10/1/04)

Capital Stock:
Authorized 100 - \$0.01 par value
Outstanding 100
Ownership FC2 Corp.

Principal Activity: Intermediate holding company employing the corporate staff providing shared services to affiliated entities.

IRS Identification Number: 26-0085077

Officers:	Name:	Date Elected:
Chief Executive Officer	James F. Roberts	July 30, 2004
President and Chief Operating Officer	Kurt D. Kost	Jan. 1, 2008
Senior Vice President and Chief Financial Officer	Frank J. Wood	July 30, 2004
Senior Vice President, Operations	James J. Bryja	June 18, 2007
Senior Vice President,, Center of Excellence and Chief Information Officer	James A. Olsen	Oct. 1, 2007/Dec. 1, 2007
Senior Vice President, Sales and Marketing	A. Scott Pack, Jr.	May 30, 2006
Senior Vice President, Safety and Human Resources	Michael R. Peelish	July 30, 2004
Senior Vice President, General Counsel and Secretary	Greg A. Walker	July 30, 2004
Vice President and Corporate Controller	James L. Anderson, Jr.	July 20, 2007/ Nov. 23, 2004
Vice President, General Equipment Management	Kendall L. Benedick	Nov. 16, 2006
Vice President, Operations	W. John Borla	Mar. 25, 2008
Vice President, Business Process Support	Gary M. Buchan	Oct. 1, 2007
Vice President, Land and Gas Assets	Samuel L. Cario	Dec. 1, 2007
Vice President, Benefits	Michael A. Ciuchta	Nov. 16, 2006
Vice President, Process Management	Richard A. Edwards	Nov. 16, 2006
Vice President, Safety and Health	John M. Gallick	Nov. 16, 2006
Vice President, Environmental	Johnnie W. Greene	Nov. 16, 2006

FOUNDATION COAL CORPORATION - #1395
(Incorporated as American Coal Holding Corp.; name changed to American Coal Acquisition Corp. 4/30/04; name changed to Foundation Coal Corporation 6/24/04)

	Name:	Date Elected:
Vice President, Information Technology	William F. Groom	Jan. 3, 2006
Vice President, Human Resources	William H. McClure	Nov. 16, 2006
Vice President, Business Development	Brian L. Miller	Jan. 1, 2007
Vice President, Planning and Engineering	R. Michael Mishra	Dec. 1, 2007
Vice President, Materials Management	L. Brice Richmond	Nov. 16, 2006
Vice President, Government and Community Affairs	Jonathan B. Wood	Jan. 3, 2006
Treasurer	Gary G. Pearson	July 27, 2004
Assistant Secretary	Edythe C. Katz	Sept. 23, 2004
Directors:		
	James L. Anderson, Jr.	Nov. 30, 2004
	James F. Roberts	July 30, 2004
	Frank J. Wood	July 30, 2004
Audit Committee:		
Chairman	Frank J. Wood	Dec. 1, 2004
	James L. Anderson, Jr.	Dec. 1, 2004

NOTE: Registered in Pennsylvania for income tax purposes only.

FOUNDATION AMERICAN COAL HOLDING, LLC - #1394
 (Formerly Ruhrkohle-Stinnes Corporation; name change to Ruhr-American Coal Corporation 10/1/75;
 name change to RAG American Coal Corporation 12/22/98; name change to
 RAG American Coal Holding, Inc. 6/18/99; stock sale to Foundation Coal Corporation 7/30/04;
 Name change to Foundation Coal Holding, Inc. 7/30/04; name change to Foundation American Coal
 Holding, Inc. 8/9/04; Converted to Foundation American Coal Holding, LLC 8/19/05)

Principal Operating Office: 999 Corporate Blvd.
 Linthicum Heights, MD 21090

Formation:
 State Delaware
 Date October 31, 1974 (original date of incorporation stands)
 Existence Perpetual

Annual Members' Meeting:
 Date In August or at such other time as designated by the Member.
 Location Not specified

Resident Agent in State of Incorporation: The Corporation Trust Company
 1209 Orange Street, Wilmington, DE 19801

Date Qualified to Do Business In: Colorado (8/23/05), Maryland (8/23/05)

Ownership: Foundation Coal Corporation – 100%

Principal Activity: Intermediate holding company for all U.S. affiliates

IRS Identification Number: 13-2793319

	Name:	Date Elected:
Officers:		
President and Chief Executive Officer	James F. Roberts	Mar. 1, 1999
Senior Vice President and Chief Financial Officer	Frank J. Wood	Mar. 2, 2004
Secretary	Greg A. Walker	Aug. 24, 1999
Controllor	James L. Anderson, Jr.	May 1, 2005
Treasurer	Gary G. Pearson	Mar. 27, 2001
Assistant Secretary	Sharon J. Fetherhuff	May 1, 2005
Directors:		
	James F. Roberts	Mar. 1, 1999
	Frank J. Wood	July 30, 2004

October 8, 2007

FOUNDATION AMERICAN COAL COMPANY, LLC - #1389
(converted to a limited liability company from the corporation RAG American Coal Company 3/10/04;
formerly RAG American Coal Company LLC; name changed to Foundation American Coal Company, LLC 7/30/04)

Principal Operating Office: 999 Corporate Blvd.
Linthicum Heights, MD 21090

Formation:
State Delaware
Date June 18, 1999
Existence Perpetual

Annual Members' Meeting:
Date In March or at such other time as designated by the Member
Location Not specified

Resident Agent in State of Incorporation: The Corporation Trust Company
1209 Orange Street, Wilmington, Delaware 19801

Date Qualified to Do Business In:

Ownership: Foundation American Coal Holding, LLC – 100%

Principal Activity: Holding company for the former Cyprus Amax entities

IRS Identification Number: 54-1947356

	Name:	Date Elected:
Officers:		
President and Chief Executive Officer	James F. Roberts	June 24, 1999
Vice President	Frank J. Wood	June 30, 1999
Secretary	Greg A. Walker	June 30, 1999
Controller	James L. Anderson, Jr.	May 1, 2005
Treasurer	Gary G. Pearson	Mar. 27, 2001
Assistant Secretary	Sharon J. Fetherhuff	May 1, 2005
Directors:		
	James F. Roberts	June 18, 1999
	Frank J. Wood	July 30, 2004

December 1, 2007

FOUNDATION MIDWEST HOLDING COMPANY - #1223
(Formerly Cyprus Amax Midwest Holding Company; name change to RAG Midwest Holding Company 6/30/99;
name change to Foundation Midwest Holding Company 7/30/04)

Principal Operating Office: 999 Corporate Blvd.
Linthicum Heights, MD 21090

Incorporation:
State Delaware
Date April 2, 1998
Existence Perpetual

Annual Stockholders' Meeting:
Date First Thursday in April at 10:15 a.m.
Location Principal office unless otherwise designated by the Board

Resident Agent in State of Incorporation: The Corporation Trust Company
1209 Orange Street, Wilmington, DE 19801

Date Qualified to Do Business In:

Capital Stock:
Authorized 1,000 shares - \$1.00 par value
Outstanding 100 shares
Ownership Foundation American Coal Company, LLC

Principal Activity: Holding company for reclaimed or idle mines in Illinois,
Indiana, and Utah.

IRS Identification Number: 84-1456626

Officers:	Name:	Date Elected:
President	James J. Bryja	Dec. 1, 2007
Vice President	Frank J. Wood	Apr. 2, 1998
Secretary	Greg A. Walker	June 30, 1999
Controllor	James L. Anderson, Jr.	May 1, 2005
Treasurer	Gary G. Pearson	Mar. 27, 2001
Assistant Secretary	Sharon J. Fetherhuff	Jan. 1, 2000
Assistant Secretary	William M. Hartzler	Jan. 1, 2000
Directors:		
	James F. Roberts	June 30, 1999
	Frank J. Wood	June 30, 1999

CASTLE GATE HOLDING COMPANY - #1778

(Assets transferred from Amax Coal Company-FEIN 84-1324803-on 5/31/98)

Principal Operating Office:

999 Corporate Blvd.
Linthicum Heights, MD 21090

Incorporation:

State
Date
Existence

Delaware
April 2, 1998
Perpetual

Annual Stockholders' Meeting:

Date
Location

First Thursday in April at 9:45 a.m.
Principal office unless otherwise designated by the Board

Resident Agent in State of Incorporation:

The Corporation Trust Company
1209 Orange Street, Wilmington, DE 19801

Date Qualified to Do Business In:

Utah (4/20/98)

Capital Stock:

Authorized
Outstanding
Ownership

1,000 shares - \$1.00 par value
100 shares
Foundation Midwest Holding Company

Principal Activity:

Holds permits and has certain payment obligations associated with the reclaimed Castle Gate mine in Utah.

IRS Identification Number:

84-1456620

Officers:

President
Vice President
Secretary
Controller
Treasurer
Assistant Secretary
Assistant Secretary

Name:

James J. Bryja
Frank J. Wood
Greg A. Walker
James L. Anderson, Jr.
Gary G. Pearson
Sharon J. Fetherhuff
William M. Hartzler

Date Elected:

Dec. 1, 2007
Apr. 2, 1998
June 30, 1999
May 1, 2005
Mar. 27, 2001
Jan. 1, 2000
Jan. 1, 2000

Directors:

James F. Roberts
Frank J. Wood

June 30, 1999
June 30, 1999

Note: Holds SMCRA permits

APPENDIX D

Mine Maps

As required under R645-302-525-270

CONTENTS

NONE

APPENDIX E

Other Information

In accordance with the requirements of R645-301 and R645-302

CONTENTS

OVERVIEW OF RECLAMATION AND PHASED BOND RELEASE ACTIVITY

CASTLE GATE MINE
Overview of Reclamation and Phased Bond Release Activity
Permit Number C/007/0004

The Castle Gate Mine permit area is located approximately 10 miles north of Price, Utah and in the Wasatch Plateau coal fields in Carbon County. The complex consists of various separate areas including: the Hardscrabble Canyon No.3 and 4 Mine facilities with 39.0 acres; the Sowbelly Gulch No.5 Mine facilities with 21.0 acres; and the Price Canyon Adit No.1 Mine with 3.0 acres. The disturbed (bonded) area for the entire Castle Gate Mine complex is 63.0 acres. The permit area is 7,619 acres, more or less. The performance bond for the Castle Gate Mine is \$490,100. The permit was renewed on December 24, 2004 and expires on December 24, 2009.

This area has a history of various mining operations producing coal since the turn of the 1880's, when Teacum Pratt opened the first operation for house coal. Mining activities were consolidated in 1971 under the Braztah Corporation, which in turn became the Price River Coal Company in 1979, then Castle Gate Coal Company in 1986, Amax Coal Company in 1991, Amax Coal Holding Company in 1996, and Castle Gate Holding Company in 1998.

The Reclamation history of the various areas within the Castle Gate Mine Permit is as follows:

Hardscrabble Canyon

Hardscrabble reclamation began in 1984 with reclamation of the Goose Island refuse pile followed by reclamation of the No.3 and 4 Mine areas during the years of 1993 through 1999 and 2002. The road through the disturbed area was altered but left in place for the post mining land use. In 1997, AMAX Coal Company, Castle Gate Holding Company's predecessor, received an Earth Day Award from the Board of Oil, Gas and Mining for "outstanding final reclamation and site restoration". The company was commended for enhancing the post mining land use by restoring the canyon to a more natural configuration and paying particular attention to wildlife habitat while providing better downstream water quality. Phase I bond release was approved on February 14, 2001 for 37.1 acres. Phase II bond release of 37.1 acres was approved on June 5, 2003. In 2003, the Hardscrabble Canyon site was nominated by the Division of Oil, Gas and Mining for an "Excellence in Surface Coal Mining Reclamation Award" and was selected by the Department of Interior's Office of Surface Mining as one of the "National Award" winners and went on to win the "Best of the Best" award.

Reclamation work on 0.78 acres associated with the substation in Hardscrabble Canyon was completed in the fall of 2002. In September 2004 a Phase I bond release application

was submitted for the substation area. On September 08, 2005 DOGM performed the phased bond release site inspection of the substation area and on October 11, 2005 issued a report stating that the site met the requirements for phase I bond release. In 2007 Mt. Nebo Scientific, Inc. performed a year-four revegetation study on the substation area in Hardscrabble Canyon in preparation for a Phase II bond release application.

Sowbelly Gulch/Canyon

Sowbelly Gulch reclamation began in 1992 with all but the substation area being reclaimed by the end of 1995. Phase I bond release of 18.2 acres was approved on January 31, 1997 (excluding the substation). Phase II bond release of the 18.2 acres was approved on June 5, 2003. In 2004 year-9 vegetation monitoring was conducted and in 2005 year-10 vegetation monitoring was conducted to demonstrate vegetation success in preparation for Phase III bond release.

Reclamation work on 1.84 acres associated with the substation in Sowbelly Canyon was completed in the fall of 2002. In September of 2004 a Phase I bond release application was submitted for the substation area. On September 08, 2005 DOGM performed the phased bond release site inspection of the substation area and on September 27, 2005 issued a report stating that the site met the requirements for phase I bond release. In 2007 Mt. Nebo Scientific, Inc. performed a year-four revegetation study on the substation area in Sowbelly Canyon in preparation for a Phase II bond release application.

Adit No. 1

Reclamation work on about 1.7 acres of disturbance at the Adit No. 1 was performed during the fall of 2002. In 2004 the Adit No.1 aerial survey was completed and in April of 2005 a Phase I bond release application was submitted. On September 08, 2005 DOGM performed the phased bond release site inspection and on September 27, 2005 issued a report stating that the site met the requirements for phase I bond release. In 2007 Mt. Nebo Scientific, Inc. performed a year-four revegetation study at the Adit No. 1 in preparation for a Phase II bond release application.