

# CONSOLIDATION COAL COMPANY

## EMERY MINE

PERMIT ACT/015/015

ANNUAL REPORT FOR 2002

File in:

Confidential

Shelf

Expandable

Refer to Record No. 0017 Date 03282003

In C 0150015-2003 Intentional

For additional information



CONSOL ENERGY™

**COPY**

Consolidation Coal Company  
P.O. Box 566  
Sesser, IL 62884  
Phone: (618) 625-2041  
Fax: (618) 625-6844

March 28, 2003

Lowell Braxton, Director  
Utah Coal Regulatory Program  
1594 West North Temple, Suite 1210  
Box 145801  
Salt Lake City, Utah 84114-5801

*Incoming*  
*4/15/03* *OK*

RE: Emery Mine  
Permit No. ACT/015/015  
2002 Annual Report

Dear Mr. Braxton:

Enclosed please find two copies of Consolidation Coal Company's, 2002 Annual Report for the Emery Mine.

Over the last year, Consolidation Coal Company and its parent company Consol Energy Inc. has undergone several changes involving ownership, officers and directors. Within the 2002 Annual Report (Appendix C-2, "Ownership & Control Information"), certificates have been included to detail the current corporate structure and changes in its officers and directors. The "Listing of Officers and Directors" of all corporate entities shall be submitted under a separate application to change the ownership and control section of the current MRP.

If you have any questions or need further information, please contact me at the above location.

Sincerely,

Timothy D. Kirschbaum  
Environmental Engineer  
(618)-625-6847

File in: *CO150015 2003 Incoming*  
Refer to:  
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 Expandable  
Date: *03/28/03* for additional information

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MAR 31 2003

DIV. OF OIL, GAS & MINING

To enter text, click in the box and type your response. If a box already contains an entry select the entry and type the replacement. You can use the **tab** key to move from one field to the next. To select a check box, click in the box or type an x.

**GENERAL INFORMATION**

Permitte Name	Consolidation Coal Company
Mine Name	Emery Deep
Operator Name (If other then permittee)	
Permit Expiration Date	January 6, 2006
Permit Number	C/015/015
Authorized Representative Title	Timothy Kirschbaum, Environmental Engineer
Phone Number	618-625-6847
Fax Number	618-625-6844
E-mail Address	timkirschbaum@consolenergy.com
Mailing Address	P.O. Box 566, Sesser, IL 62884
Resident Agent	CT Corporation Systems
Resident Agent Mailing Address	50 W Broadway, 8 <sup>th</sup> Floor, Salt Lake City, UT 84101-2006
Number of Binders Submitted	2

**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)	42-00079	Emery Mine	N/A
MSHA Impoundment(s)			
NPDES/UPDES Permit(s)	UT0022616	Minor Industrial	05-31-2004
PSD Permit(s) (Air)	DAQE-177-95	Approval Order AN229002-02 Issued 8-5-2002	N/A
<b>Other</b>			

**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 on file with DOGM		Comments
	Yes	No	Included	On File	
Excess Spoil Piles	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Refuse Piles	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Refuse Pile 1 - Filed Quarterly
Impoundments	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Annual Inspections - see Appendix A-1 for copies
<b>Other</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

**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.

Technical Data:	Required		Included or on file with DOGM		Comments
	Yes	No	Included	On file	
Climatological	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Subsidence Monitoring	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	see Appendix B-1
Vegetation Monitoring	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Raptor Survey	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Soils Monitoring	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Water Monitoring	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
First quarter	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Second quarter	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Third quarter	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Fourth quarter	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Geological / Geophysical	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Engineering	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Non Coal Waste / Abandoned Underground Equipment*	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<b>Other Data</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

\*Reminder: If equipment has been abandoned during 2002, an amendment must be submitted that includes a map showing its location, a description of what was abandoned, whether there was any hazardous or toxic materials and any revision to the PHC as necessary.





**APPENDIX A**

**Certified Reports**

Excess Spoil Piles  
Refuse Piles  
Impoundments

As required under R645-301-514

**CONTENTS**

Annual Impoundment Certification  
Quarterly Impoundment Inspections

**Consolidation Coal Company  
Emery Mine  
Emery, Utah  
Annual Impoundment Certification**

Pond #1  
Inspected By Bruce Ware

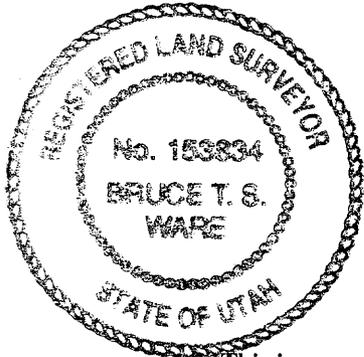
Permit No. ACT/015/015  
Date 1/28/03

**I. Physical Inspection (Stability & Structural Condition)**

	<u>Yes</u>	<u>No</u>
A. Upstream Cracking or movement		X
B. Downstream Cracking or Movement		X
C. Erosion		X
D. Proper Operation of Discharge System(s)	X	
E. Significant Seepage or piping	N/A	
F. Existing and Required Monitoring		

**II. Field Data**

A. Pond Volume* (Measured from Board 1 ft. above concrete outlet)	<u>13.32</u> Ac-Ft
B. Pool Elevation	<u>5838.5</u> Ft.
C. Top of Dam Elevation	<u>5844.0</u> Ft.
D. Dewatering Pipe Invert Elevation	<u>          </u> Ft.
*Minimum volumes required:	
Treatment	<u>3.20</u> Ac-Ft
40% sed.vol	<u>4.10</u> Ac-Ft
TOTAL	<u>7.30</u> Ac-Ft



This is an annual report for (year) 2002

Name Bruce Ware

Utah Registration No. (Seal) 153834

Firm Bruce Ware, LLC

Phone Number (435) 637 - 2620

Address 2223 N 1200 W. Helper, Utah 84526

Signature Bruce Ware

Date 1-28-03

**Consolidation Coal Company  
Emery Mine  
Emery, Utah  
Annual Impoundment Certification**

Pond #2  
Inspected By Bruce Ware

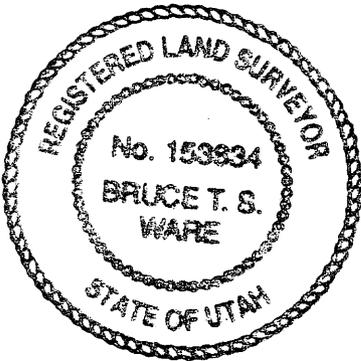
Permit No. ACT/015/015  
Date 1/28/03

**II. Physical Inspection (Stability & Structural Condition)**

	<u>Yes</u>	<u>No</u>
A. Upstream Cracking or movement		X
B. Downstream Cracking or Movement		X
C. Erosion		X
D. Proper Operation of Discharge System(s)	DRY	
E. Significant Seepage or piping		X
F. Existing and Required Monitoring	N/A	

**II. Field Data**

A. Pond Volume* (Measured from Board 1 ft. above concrete outlet)	<u>1.10</u> Ac-Ft
B. Pool Elevation	<u>5912.4</u> Ft.
C. Top of Dam Elevation	<u>5912.1</u> Ft.
D. Dewatering Pipe Invert Elevation	<u>          </u> Ft.
*Minimum volumes required:	
Treatment	<u>0.68</u> Ac-Ft
40% sed.vol	<u>0.33</u> Ac-Ft
TOTAL	<u>1.01</u> Ac-Ft



This is an annual report for (year) 2002

Name Bruce Ware

Utah Registration No. (Seal) 153834

Firm Bruce Ware, LLC

Phone Number (435) 637 - 2620

Address 2223 N 1200 W. Helper, Utah 84526

Signature Bruce T. S. Ware Date 1-28-03

**Consolidation Coal Company  
Emery Mine  
Emery, Utah  
Annual Impoundment Certification**

Pond #3  
Inspected By Bruce Ware

Permit No. ACT/015/015  
Date 1/28/03

**III. Physical Inspection (Stability & Structural Condition)**

	<u>Yes</u>	<u>No</u>
A. Upstream Cracking or movement		X
B. Downstream Cracking or Movement		X
C. Erosion		X
D. Proper Operation of Discharge System(s)	DRY	
E. Significant Seepage or piping		X
F. Existing and Required Monitoring	N/A	

**II. Field Data**

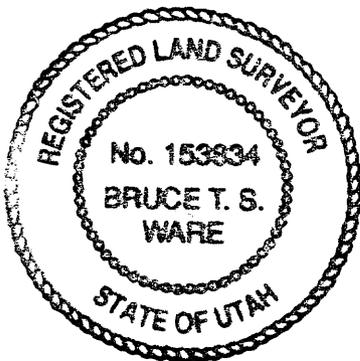
A. Pond Volume\* 1.09 Ac-Ft  
(Measured from Board 1 ft. above concrete outlet)

B. Pool Elevation DRY Ft.

C. Top of Dam Elevation 5911 Ft.

D. Dewatering Pipe Invert Elevation 5910.2 Ft.

*Minimum volumes required:	Treatment	<u>0.37</u>	Ac-Ft
	40% sed.vol	<u>0.46</u>	Ac-Ft
	TOTAL	<u>0.83</u>	Ac-Ft



This is an annual report for (year) 2002

Name Bruce Ware

Utah Registration No. (Seal) 153834

Firm Bruce Ware, LLC

Phone Number (435) 637 - 2620

Address 2223 N 1200 W. Helper, Utah 84526

Signature Bruce T. S. Ware Date 1-28-03

**Consolidation Coal Company  
Emery Mine  
Emery, Utah  
Annual Impoundment Certification**

Pond #4  
Inspected By \_\_\_\_\_  
*Pond 004 no longer exists*

Permit No. ACT/015/015  
Date \_\_\_\_\_

**IV. Physical Inspection (Stability & Structural Condition)**

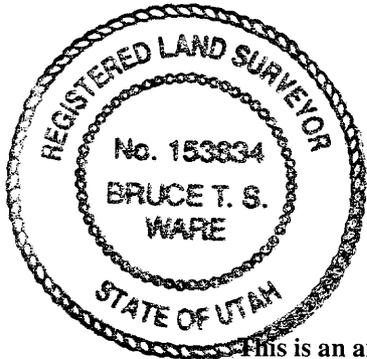
Yes                      No

- A. Upstream Cracking or movement
- B. Downstream Cracking or Movement
- C. Erosion
- D. Proper Operation of Discharge System(s)
- E. Significant Seepage or piping
- F. Existing and Required Monitoring

**II. Field Data**

- A. Pond Volume\* \_\_\_\_\_ Ac-Ft  
(Measured from Board 1 ft. above concrete outlet)
- B. Pool Elevation \_\_\_\_\_ Ft.
- C. Top of Dam Elevation \_\_\_\_\_ Ft.
- D. Dewatering Pipe Invert Elevation \_\_\_\_\_ Ft.

*\*Pond 004 was designed to be an evaporation pond. A County Road eliminated this pond.*



This is an annual report for (year) 2002

Name Bruce Ware

Utah Registration No. (Seal) \_\_\_\_\_

Firm Bruce Ware, LLC

Phone Number (435) 637 - 2620

Address 2223 N 1200 W. Helper, Utah 84526

Signature Bruce T. S. Ware

Date 1-28-03

**Consolidation Coal Company  
Emery Mine  
Emery, Utah  
Annual Impoundment Certification**

Pond #5  
Inspected By Bruce Ware

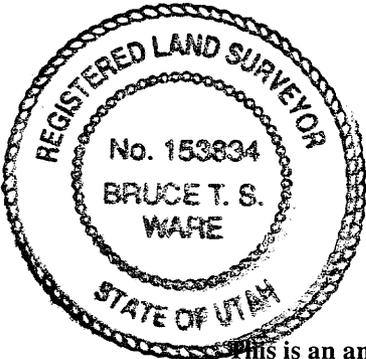
Permit No. ACT/015/015  
Date 1/28/03

**V. Physical Inspection (Stability & Structural Condition)**

	<u>Yes</u>	<u>No</u>
A. Upstream Cracking or movement		X
B. Downstream Cracking or Movement		X
C. Erosion		X
D. Proper Operation of Discharge System(s)	X	
E. Significant Seepage or piping		X
F. Existing and Required Monitoring	N/A	

**II. Field Data**

A. Pond Volume* (Measured from Board 1 ft. above concrete outlet)	Frozen _____ Ac-Ft
B. Pool Elevation	5942.5 _____ Ft.
C. Top of Dam Elevation	5949 _____ Ft.
D. Dewatering Pipe Invert Elevation	_____ 5948.1 Ft.
*Minimum volumes required:	
Treatment	_____ 3.70 Ac-Ft
40% sed.vol	_____ 0.45 Ac-Ft
TOTAL	_____ 4.15 Ac-Ft



This is an annual report for (year) 2002

Name Bruce Ware

Utah Registration No. (Seal) 153834

Firm Bruce Ware, LLC

Phone Number (435) 637 - 2620

Address 2223 N 1200 W. Helper, Utah 84526

Signature Bruce T. S. Ware Date 1-28-03

**Consolidation Coal Company  
Emery Mine  
Emery, Utah  
Annual Impoundment Certification**

Pond #6  
Inspected By Bruce Ware

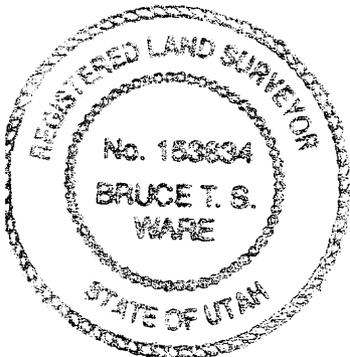
Permit No. ACT/015/015  
Date 1/28/03

**VI. Physical Inspection (Stability & Structural Condition)**

	<u>Yes</u>	<u>No</u>
A. Upstream Cracking or movement		X
B. Downstream Cracking or Movement		X
C. Erosion		X
D. Proper Operation of Discharge System(s)	X	
E. Significant Seepage or piping		X
F. Existing and Required Monitoring	N/A	

**II. Field Data**

A. Pond Volume* (Measured from Board 1 ft. above concrete outlet)	<u>8.8</u> Ac-Ft
B. Pool Elevation	<u>6019.5</u> Ft.
C. Top of Dam Elevation	<u>6023.0</u> Ft.
D. Dewatering Pipe Invert Elevation	<u>6019.9</u> Ft.
*Minimum volumes required:	
Treatment	<u>1.70</u> Ac-Ft
40% sed.vol	<u>3.00</u> Ac-Ft
TOTAL	<u>4.70</u> Ac-Ft



This is an annual report for (year) 2002

Name Bruce Ware

Utah Registration No. (Seal) 153834

Firm Bruce Ware, LLC

Phone Number (435) 637 - 2620

Address 2223 N 1200 W. Helper, Utah 84526

Signature Bruce T. Ware Date 1-28-03

**Consolidation Coal Company  
Emery Mine  
Emery, Utah  
Annual Impoundment Certification**

Pond #8  
Inspected By Bruce Ware

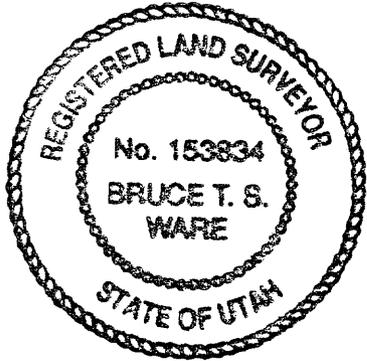
Permit No. ACT/015/015  
Date 1/28/03

**VII. Physical Inspection (Stability & Structural Condition)**

	<u>Yes</u>	<u>No</u>
A. Upstream Cracking or movement		X
B. Downstream Cracking or Movement		X
C. Erosion		X
D. Proper Operation of Discharge System(s)	DRY	
E. Significant Seepage or piping		X
F. Existing and Required Monitoring	N/A	

**II. Field Data**

A. Pond Volume* (Measured from Board 1 ft. above concrete outlet)	<u>3.52</u> Ac-Ft
B. Pool Elevation	<u>DRY</u> Ft.
C. Top of Dam Elevation	<u>5914.0</u> Ft.
D. Dewatering Pipe Invert Elevation	<u>5911.0</u> Ft.
*Minimum volumes required:	
Treatment	<u>1.18</u> Ac-Ft
40% sed.vol	<u>0.80</u> Ac-Ft
TOTAL	<u>1.98</u> Ac-Ft



This is an annual report for (year) 2002

Name Bruce Ware

Utah Registration No. (Seal) 153834

Firm Bruce Ware, LLC

Phone Number (435) 637 - 2620

Address 2223 N 1200 W. Helper, Utah 84526

Signature Bruce Ware Date 1-28-03

Emery Mine

IMPOUNDMENT AND REFUSE AREA INSPECTION FORM

Inspected by: STEPHEN R. BEHLING Date: 3-21-02  
Mine Name: EMERY Facility Name: Pond #1 Date Last Inspected: 12-12-01

- 1. Size of impoundment (acres).....
2. Size of watershed affecting impoundment (acres).....
3. Capacity of impoundment (acre-feet).....
4. Elevation of water, slurry or sediment above upstream toe of structure at maximum capacity (feet).....
5. Embankment freeboard (feet)..... 3+
6. Elevation of water, slurry or sediment surface (feet).....
7. Average width of crest (feet).....
8. Cracks on crest..... yes no
9. Cracks on slope..... yes no
10. Sloughing or bulging on slope..... yes no
11. Major erosion problems..... yes no
12. Angle of slope..... 2 1/2 : 1
13. Water impounded against toe..... yes no
14. Surface movements in valley bottom or on hillside..... yes no
15. Abnormal seepage..... yes no
16. Visible sumps or sinkholes in slurry surface..... yes no
17. Clogging
Spillway channels and pipes..... yes no
Decant system..... yes no
Diversion ditches..... yes no
18. Cracking or crushing of pipes
Spillway pipes..... yes no
Decant system..... yes no
19. Trash racks clear and in place..... yes N/A no
20. Refuse areas
Refuse graded and compacted..... yes no
Refuse burning..... yes no
Angle of slope (degrees).....

Emery Mine

IMPOUNDMENT AND REFUSE AREA INSPECTION FORM

Inspected by: STEPHEN R. BEHLING Date: 6-11-02  
Mine Name: EMERY Facility Name: Pond #1 Date Last Inspected: 3-21-02

- 1. Size of impoundment (acres).....
- 2. Size of watershed affecting impoundment (acres).....
- 3. Capacity of impoundment (acre-feet).....
- 4. Elevation of water, slurry or sediment above upstream toe of structure at maximum capacity (feet).....
- 5. Embankment freeboard (feet)..... 3+
- 6. Elevation of water, slurry or sediment surface (feet).....
- 7. Average width of crest (feet).....
- 8. Cracks on crest..... yes  no
- 9. Cracks on slope..... yes  no upstream downstream
- 10. Sloughing or bulging on slope..... yes  no yes  no
- 11. Major erosion problems..... yes  no yes  no
- 12. Angle of slope..... 2 1/2 : 1
- 13. Water impounded against toe..... yes  no
- 14. Surface movements in valley bottom or on hillside..... yes  no
- 15. Abnormal seepage..... yes  no
- 16. Visible sumps or sinkholes in slurry surface..... yes  no
- 17. Clogging
- Spillway channels and pipes..... yes  no
- Decant system..... yes  no
- Diversion ditches..... yes  no
- 18. Cracking or crushing of pipes
- Spillway pipes..... yes  no
- Decant system..... yes  no
- 19. Trash racks clear and in place..... yes N/A no
- 20. Refuse areas
- Refuse graded and compacted..... yes \_\_\_ no
- Refuse burning..... yes \_\_\_ no
- Angle of slope (degrees).....

Emery Mine

IMPOUNDMENT AND REFUSE AREA INSPECTION FORM

Inspected by: Seth McCourt Date: 9-11-02  
Mine Name: Emery Facility Name: Pond #1 Date Last Inspected: 6-11-02

- 1. Size of impoundment (acres).....
- 2. Size of watershed affecting impoundment (acres).....
- 3. Capacity of impoundment (acre-feet).....
- 4. Elevation of water, slurry or sediment above upstream toe of structure at maximum capacity (feet).....
- 5. Embankment freeboard (feet)..... 3+
- 6. Elevation of water, slurry or sediment surface (feet).....
- 7. Average width of crest (feet).....
- 8. Cracks on crest..... yes  no
- 9. Cracks on slope..... yes  no upstream yes  no downstream
- 10. Sloughing or bulging on slope..... yes  no yes  no
- 11. Major erosion problems..... yes  no yes  no
- 12. Angle of slope..... 2 1/2:1
- 13. Water impounded against toe..... yes  no
- 14. Surface movements in valley bottom or on hillside..... yes  no
- 15. Abnormal seepage..... yes  no
- 16. Visible sumps or sinkholes in slurry surface..... yes  no
- 17. Clogging
  - Spillway channels and pipes..... yes  no
  - Decant system..... yes  no
  - Diversion ditches..... yes  no
- 18. Cracking or crushing of pipes
  - Spillway pipes..... yes  no
  - Decant system..... yes  no
- 19. Trash racks clear and in place..... yes  no
- 20. Refuse areas
  - Refuse graded and compacted..... yes  no
  - Refuse burning..... yes  no
  - Angle of slope (degrees)..... 1



Emery Mine

IMPOUNDMENT AND REFUSE AREA INSPECTION FORM

Inspected by: STEPHEN R. BEHLING Date: 3-21-02  
Mine Name: EMERY Facility Name: POND #2 Date Last Inspected: 12-12-01

- 1. Size of impoundment (acres).....
- 2. Size of watershed affecting impoundment (acres).....
- 3. Capacity of impoundment (acre-feet).....
- 4. Elevation of water, slurry or sediment above upstream toe of structure at maximum capacity (feet).....
- 5. Embankment freeboard (feet)..... NO WATER IMPOUNDED
- 6. Elevation of water, slurry or sediment surface (feet).....
- 7. Average width of crest (feet).....
- 8. Cracks on crest.....  

	upstream	downstream
	yes <input checked="" type="checkbox"/> no	yes <input checked="" type="checkbox"/> no
- 9. Cracks on slope..... yes  no
- 10. Sloughing or bulging on slope..... yes  no
- 11. Major erosion problems..... yes  no
- 12. Angle of slope.....
- 13. Water impounded against toe..... yes  no
- 14. Surface movements in valley bottom or on hillside..... yes  no
- 15. Abnormal seepage..... yes  no
- 16. Visible sumps or sinkholes in slurry surface..... yes  no
- 17. Clogging  

CLEANED IN LET

Spillway channels and pipes.....	yes <input checked="" type="checkbox"/> no
Decant system.....	yes <input checked="" type="checkbox"/> no
Diversion ditches.....	yes <input checked="" type="checkbox"/> no
- 18. Cracking or crushing of pipes  

Spillway pipes.....	yes <input checked="" type="checkbox"/> no
Decant system.....	yes <input checked="" type="checkbox"/> no
- 19. Trash racks clear and in place..... yes N/A no
- 20. Refuse areas  

Refuse graded and compacted.....	yes ___ no
Refuse burning.....	yes ___ no
Angle of slope (degrees).....	_____













IMPOUNDMENT AND REFUSE AREA INSPECTION FORM

Inspected by: Seth McCant Date: 12-14-02  
Mine Name: Emery Facility Name: pond #3 Date Last Inspected: 9-11-02

- 1. Size of impoundment (acres)..... \_\_\_\_\_
- 2. Size of watershed affecting impoundment (acres)..... \_\_\_\_\_
- 3. Capacity of impoundment (acre-feet)..... \_\_\_\_\_
- 4. Elevation of water, slurry or sediment above upstream toe of structure at maximum capacity (feet)..... \_\_\_\_\_
- 5. Embankment freeboard (feet)..... No Impounded water
- 6. Elevation of water, slurry or sediment surface (feet)..... \_\_\_\_\_
- 7. Average width of crest (feet)..... \_\_\_\_\_
- 8. Cracks on crest.....  yes  no
- 9. Cracks on slope.....  yes  no
- 10. Sloughing or bulging on slope.....  yes  no
- 11. Major erosion problems.....  yes  no
- 12. Angle of slope..... \_\_\_\_\_
- 13. Water impounded against toe.....  yes  no
- 14. Surface movements in valley bottom or on hillside.....  yes  no
- 15. Abnormal seepage.....  yes  no
- 16. Visible sumps or sinkholes in slurry surface.....  yes  no
- 17. Clogging
  - Spillway channels and pipes.....  yes  no
  - Decant system.....  yes  no
  - Diversion ditches.....  yes  no
- 18. Cracking or crushing of pipes
  - Spillway pipes.....  yes  no
  - Decant system.....  yes  no
- 19. Trash racks clear and in place.....  yes  no
- 20. Refuse areas
  - Refuse graded and compacted.....  yes  no
  - Refuse burning.....  yes  no
  - Angle of slope (degrees)..... \_\_\_\_\_



Emery Mine

IMPOUNDMENT AND REFUSE AREA INSPECTION FORM

Inspected by: Stephen R. Behling Date: 6-11-02
Mine Name: EMERY Facility Name: Pond #4 Date Last Inspected: 3-21-02

- 1. Size of impoundment (acres)
2. Size of watershed affecting impoundment (acres)
3. Capacity of impoundment (acre-feet)
4. Elevation of water, slurry or sediment above upstream toe of structure at maximum capacity (feet)
5. Embankment freeboard (feet) NO WATER IMPOUNDED
6. Elevation of water, slurry or sediment surface (feet) (EVAPORATION POND)
7. Average width of crest (feet)
8. Cracks on crest yes no
9. Cracks on slope yes no
10. Sloughing or bulging on slope yes no
11. Major erosion problems yes no
12. Angle of slope
13. Water impounded against toe yes no
14. Surface movements in valley bottom or on hillside yes no
15. Abnormal seepage yes no
16. Visible sumps or sinkholes in slurry surface yes no
17. Clogging
Spillway channels and pipes yes N/A no
Decant system yes N/A no
Diversion ditches yes N/A no
18. Cracking or crushing of pipes
Spillway pipes yes N/A no
Decant system yes N/A no
19. Trash racks clear and in place yes N/A no
20. Refuse areas
Refuse graded and compacted yes no
Refuse burning yes no
Angle of slope (degrees)

IMPOUNDMENT AND REFUSE AREA INSPECTION FORM

Inspected by: Seth McCurt

Date: 9-11-02

Date Last

Mine Name: Emery

Facility Name: Lead #4

Inspected: 6-1-02

- 1. Size of impoundment (acres)..... \_\_\_\_\_
- 2. Size of watershed affecting impoundment (acres)..... \_\_\_\_\_
- 3. Capacity of impoundment (acre-feet)..... \_\_\_\_\_
- 4. Elevation of water, slurry or sediment above upstream toe of structure at maximum capacity (feet)..... \_\_\_\_\_
- 5. Embankment freeboard (feet)..... No water impounded
- 6. Elevation of water, slurry or sediment surface (feet)..... \_\_\_\_\_
- 7. Average width of crest (feet)..... \_\_\_\_\_
- 8. Cracks on crest..... yes  no
  - upstream
  - downstream
- 9. Cracks on slope..... yes  no yes  no
  - upstream
  - downstream
- 10. Sloughing or bulging on slope..... yes  no yes  no
  - upstream
  - downstream
- 11. Major erosion problems..... yes  no yes  no
  - upstream
  - downstream
- 12. Angle of slope..... \_\_\_\_\_
- 13. Water impounded against toe..... yes  no
- 14. Surface movements in valley bottom or on hillside..... yes  no
- 15. Abnormal seepage..... yes  no
- 16. Visible sumps or sinkholes in slurry surface..... yes  no
- 17. Clogging
  - Spillway channels and pipes..... yes  no
  - Decant system..... yes  no
  - Diversion ditches..... yes  no
- 18. Cracking or crushing of pipes
  - Spillway pipes..... yes  no
  - Decant system..... yes  no
- 19. Trash racks clear and in place..... yes  no
- 20. Refuse areas
  - Refuse graded and compacted..... yes  no
  - Refuse burning..... yes  no
  - Angle of slope (degrees):..... \_\_\_\_\_



Emery Mine

IMPOUNDMENT AND REFUSE AREA INSPECTION FORM

Inspected by: STEPHEN R. BEHLING Date: 3-21-02  
Mine Name: EMERY Facility Name: POND #5 Date Last Inspected: 12-12-01

- 1. Size of impoundment (acres).....
- 2. Size of watershed affecting impoundment (acres).....
- 3. Capacity of impoundment (acre-feet).....
- 4. Elevation of water, slurry or sediment above upstream toe of structure at maximum capacity (feet).....
- 5. Embankment freeboard (feet)..... NO WATER IMPOUNDED
- 6. Elevation of water, slurry or sediment surface (feet).....
- 7. Average width of crest (feet).....
- 8. Cracks on crest.....  yes  no
- 9. Cracks on slope.....  yes  no
- 10. Sloughing or bulging on slope.....  yes  no
- 11. Major erosion problems.....  yes  no
- 12. Angle of slope.....
- 13. Water impounded against toe.....  yes  no
- 14. Surface movements in valley bottom or on hillside.....  yes  no
- 15. Abnormal seepage.....  yes  no
- 16. Visible sumps or sinkholes in slurry surface.....  yes  no
- 17. Clogging cleaned inlets -
- Spillway channels and pipes.....  yes  no
- Decant system.....  yes  no
- Diversion ditches.....  yes  no
- 18. Cracking or crushing of pipes
- Spillway pipes.....  yes  no
- Decant system.....  yes  no
- 19. Trash racks clear and in place.....  yes  no
- 20. Refuse areas
- Refuse graded and compacted.....  yes  no
- Refuse burning.....  yes  no
- Angle of slope (degrees).....

Emery Mine

IMPOUNDMENT AND REFUSE AREA INSPECTION FORM

Inspected by: Stephen R. Behling Date: 6-11-02
Mine Name: EMERY Facility Name: Pond #5 Date Last Inspected: 3-21-02

- 1. Size of impoundment (acres)
2. Size of watershed affecting impoundment (acres)
3. Capacity of impoundment (acre-feet)
4. Elevation of water, slurry or sediment above upstream toe of structure at maximum capacity (feet)
5. Embankment freeboard (feet) NO WATER IMPOUNDED
6. Elevation of water, slurry or sediment surface (feet)
7. Average width of crest (feet)
8. Cracks on crest yes no
9. Cracks on slope yes no upstream downstream
10. Sloughing or bulging on slope yes no
11. Major erosion problems yes no
12. Angle of slope
13. Water impounded against toe yes no
14. Surface movements in valley bottom or on hillside yes no
15. Abnormal seepage yes no
16. Visible sumps or sinkholes in slurry surface yes no
17. Clogging
Spillway channels and pipes yes no
Decant system yes no
Diversion ditches yes no
18. Cracking or crushing of pipes
Spillway pipes yes no
Decant system yes no
19. Trash racks clear and in place yes N/A no
20. Refuse areas
Refuse graded and compacted yes no
Refuse burning yes no
Angle of slope (degrees)



IMPOUNDMENT AND REFUSE AREA INSPECTION FORM

Inspected by: Seth McCourt Date: 12-14-02  
Mine Name: Emery Facility Name: pond #5 Date Last Inspected: 9-11-02

1. Size of impoundment (acres)..... \_\_\_\_\_
2. Size of watershed affecting impoundment (acres)..... \_\_\_\_\_
3. Capacity of impoundment (acre-feet)..... \_\_\_\_\_
4. Elevation of water, slurry or sediment above upstream toe of structure at maximum capacity (feet)..... \_\_\_\_\_
5. Embankment freeboard (feet)..... No Water Impounded
6. Elevation of water, slurry or sediment surface (feet)..... \_\_\_\_\_
7. Average width of crest (feet)..... \_\_\_\_\_
8. Cracks on crest..... yes  no

upstream	downstream
----------	------------
9. Cracks on slope..... yes  no yes  no

upstream	downstream
----------	------------
10. Sloughing or bulging on slope..... yes  no yes  no

upstream	downstream
----------	------------
11. Major erosion problems..... yes  no yes  no

upstream	downstream
----------	------------
12. Angle of slope..... \_\_\_\_\_
13. Water impounded against toe..... yes  no
14. Surface movements in valley bottom or on hillside..... yes  no
15. Abnormal seepage..... yes  no
16. Visible sumps or sinkholes in slurry surface..... yes  no
17. Clogging
 

Spillway channels and pipes.....	<u>yes</u> <input checked="" type="checkbox"/> <u>no</u>
Decant system.....	<u>yes</u> <input checked="" type="checkbox"/> <u>no</u>
Diversion ditches.....	<u>yes</u> <input checked="" type="checkbox"/> <u>no</u>
18. Cracking or crushing of pipes
 

Spillway pipes.....	<u>yes</u> <input checked="" type="checkbox"/> <u>no</u>
Decant system.....	<u>yes</u> <input checked="" type="checkbox"/> <u>no</u>
19. Trash racks clear and in place..... yes  no
20. Refuse areas
 

Refuse graded and compacted.....	<u>yes</u> <input type="checkbox"/> <u>no</u>
Refuse burning.....	<u>yes</u> <input type="checkbox"/> <u>no</u>
Angle of slope (degrees).....	_____





Emery Mine

IMPOUNDMENT AND REFUSE AREA INSPECTION FORM

Inspected by: Seth McCant Date: 9-11-02 Date Last Inspected: 6-11-02  
Mine Name: Emery Facility Name: pond #6

- 1. Size of impoundment (acres).....
- 2. Size of watershed affecting impoundment (acres).....
- 3. Capacity of impoundment (acre-feet).....
- 4. Elevation of water, slurry or sediment above upstream toe of structure at maximum capacity (feet).....
- 5. Embankment freeboard (feet)..... 3'
- 6. Elevation of water, slurry or sediment surface (feet).....
- 7. Average width of crest (feet).....
- 8. Cracks on crest..... yes  no
- 9. Cracks on slope..... yes  no upstream yes  no downstream
- 10. Sloughing or bulging on slope..... yes  no yes  no
- 11. Major erosion problems..... yes  no yes  no
- 12. Angle of slope.....
- 13. Water impounded against toe..... yes  no
- 14. Surface movements in valley bottom or on hillside..... yes  no
- 15. Abnormal seepage..... yes  no \*
- 16. Visible sumps or sinkholes in slurry surface..... yes  no
- 17. Clogging
  - Spillway channels and pipes..... yes  no
  - Decant system..... yes  no
  - Diversion ditches..... yes  no
- 18. Cracking or crushing of pipes
  - Spillway pipes..... yes  no
  - Decant system..... yes  no
- 19. Trash racks clear and in place..... yes  no
- 20. Refuse areas
  - Refuse graded and compacted..... yes  no
  - Refuse burning..... yes  no
  - Angle of slope (degrees)..... 1

\* Small amount of seepage on south side of pond. No immediate problems

IMPOUNDMENT AND REFUSE AREA INSPECTION FORM

Inspected by: Seth McCand Date: 12-14-02

Mine Name: Emery Facility Name: Pond #6 Date Last Inspected: 9-11-02

- 1. Size of impoundment (acres).....
- 2. Size of watershed affecting impoundment (acres).....
- 3. Capacity of impoundment (acre-feet).....
- 4. Elevation of water, slurry or sediment above upstream toe of structure at maximum capacity (feet).....
- 5. Embankment freeboard (feet)..... 2+
- 6. Elevation of water, slurry or sediment surface (feet).....
- 7. Average width of crest (feet).....
- 8. Cracks on crest.....  yes  no
 

upstream	downstream
----------	------------
- 9. Cracks on slope.....  yes  no  yes  no
- 10. Sloughing or bulging on slope.....  yes  no  yes  no
- 11. Major erosion problems.....  yes  no  yes  no
- 12. Angle of slope.....
- 13. Water impounded against toe.....  yes  no
- 14. Surface movements in valley bottom or on hillside.....  yes  no
- 15. Abnormal seepage.....  yes  no
- 16. Visible sumps or sinkholes in slurry surface.....  yes  no
- 17. Clogging
 

Spillway channels and pipes.....	<input type="checkbox"/> yes <input checked="" type="checkbox"/> no
Decant system.....	<input type="checkbox"/> yes <input checked="" type="checkbox"/> no
Diversion ditches.....	<input type="checkbox"/> yes <input checked="" type="checkbox"/> no
- 18. Cracking or crushing of pipes
 

Spillway pipes.....	<input type="checkbox"/> yes <input checked="" type="checkbox"/> no
Decant system.....	<input type="checkbox"/> yes <input checked="" type="checkbox"/> no
- 19. Trash racks clear and in place.....  yes  no
- 20. Refuse areas
 

Refuse graded and compacted.....	<input type="checkbox"/> yes <input type="checkbox"/> no
Refuse burning.....	<input type="checkbox"/> yes <input type="checkbox"/> no
- Angle of slope (degrees).....

*Pond was used for storage of water for dust suppression (temporarily).*



Emery Mine

IMPOUNDMENT AND REFUSE AREA INSPECTION FORM

Inspected by: Stephen R. Lehling Date: 6-17-02  
Mine Name: EMERY Facility Name: Pond # 8 Date Last Inspected: 3-21-02

- 1. Size of impoundment (acres).....
- 2. Size of watershed affecting impoundment (acres).....
- 3. Capacity of impoundment (acre-feet).....
- 4. Elevation of water, slurry or sediment above upstream toe of structure at maximum capacity (feet).....
- 5. Embankment freeboard (feet)..... No water impounded
- 6. Elevation of water, slurry or sediment surface (feet).....
- 7. Average width of crest (feet).....
- 8. Cracks on crest.....
 

	upstream	downstream
	yes <input checked="" type="checkbox"/> no	yes <input checked="" type="checkbox"/> no
- 9. Cracks on slope.....
 

yes <input checked="" type="checkbox"/> no	yes <input checked="" type="checkbox"/> no
--	--
- 10. Sloughing or bulging on slope.....
 

yes <input checked="" type="checkbox"/> no	yes <input checked="" type="checkbox"/> no
--	--
- 11. Major erosion problems.....
 

yes <input checked="" type="checkbox"/> no	yes <input checked="" type="checkbox"/> no
--	--
- 12. Angle of slope.....
- 13. Water impounded against toe.....
 

yes <input checked="" type="checkbox"/> no
--
- 14. Surface movements in valley bottom or on hillside.....
 

yes <input checked="" type="checkbox"/> no
--
- 15. Abnormal seepage.....
 

yes <input checked="" type="checkbox"/> no
--
- 16. Visible sumps or sinkholes in slurry surface.....
 

yes <input checked="" type="checkbox"/> no
--
- 17. Clogging
 

Spillway channels and pipes.....	yes <input checked="" type="checkbox"/> no
Decant system.....	yes <input checked="" type="checkbox"/> no
Diversion ditches.....	yes <input checked="" type="checkbox"/> no
- 18. Cracking or crushing of pipes
 

Spillway pipes.....	yes <input checked="" type="checkbox"/> no
Decant system.....	yes <input checked="" type="checkbox"/> no
- 19. Trash racks clear and in place.....
 

yes <u>N/A</u> no
-------------------
- 20. Refuse areas
 

Refuse graded and compacted.....	yes _____ no
Refuse burning.....	yes _____ no
Angle of slope (degrees).....	_____

Emery Mine

IMPOUNDMENT AND REFUSE AREA INSPECTION FORM

Inspected by: Seth McCourt Date: 9-11-02  
Mine Name: Emery Facility Name: Lead #8 Date Last Inspected: 6-1-02

- 1. Size of impoundment (acres)..... \_\_\_\_\_
- 2. Size of watershed affecting impoundment (acres)..... \_\_\_\_\_
- 3. Capacity of impoundment (acre-feet)..... \_\_\_\_\_
- 4. Elevation of water, slurry or sediment above upstream toe of structure at maximum capacity (feet)..... \_\_\_\_\_
- 5. Embankment freeboard (feet)..... No water impounded
- 6. Elevation of water, slurry or sediment surface (feet)..... \_\_\_\_\_
- 7. Average width of crest (feet)..... \_\_\_\_\_
- 8. Cracks on crest..... yes  no
- 9. Cracks on slope..... 

upstream	downstream
<u>yes</u> <input checked="" type="checkbox"/> <u>no</u>	<u>yes</u> <input checked="" type="checkbox"/> <u>no</u>
- 10. Sloughing or bulging on slope..... 

<u>yes</u> <input checked="" type="checkbox"/> <u>no</u>	<u>yes</u> <input checked="" type="checkbox"/> <u>no</u>
--	--
- 11. Major erosion problems..... 

<u>yes</u> <input checked="" type="checkbox"/> <u>no</u>	<u>yes</u> <input checked="" type="checkbox"/> <u>no</u>
--	--
- 12. Angle of slope..... \_\_\_\_\_
- 13. Water impounded against toe..... yes  no
- 14. Surface movements in valley bottom or on hillside..... yes  no
- 15. Abnormal seepage..... yes  no
- 16. Visible sumps or sinkholes in slurry surface..... yes  no
- 17. Clogging
  - Spillway channels and pipes..... yes  no
  - Decant system..... yes  no
  - Diversion ditches..... yes  no
- 18. Cracking or crushing of pipes
  - Spillway pipes..... yes  no
  - Decant system..... yes  no
- 19. Trash racks clear and in place..... yes  no
- 20. Refuse areas
  - Refuse graded and compacted..... yes  no
  - Refuse burning..... yes  no
  - Angle of slope (degrees)..... \_\_\_\_\_



Emery Mine

IMPOUNDMENT AND REFUSE AREA INSPECTION FORM

Inspected by: Seth

Date: 12-14-02

Mine Name: Emery

Facility Name: Pond #9

Date Last Inspected: 9-11-02

- 1. Size of impoundment (acres)..... ~~1.25~~ 0.5
- 2. Size of watershed affecting impoundment (acres)..... 3.2 acres
- 3. Capacity of impoundment (acre-feet)..... ~~245~~ 0.514
- 4. Elevation of water, slurry or sediment above upstream toe of structure at maximum capacity (feet)..... \_\_\_\_\_
- 5. Embankment freeboard (feet)..... \_\_\_\_\_
- 6. Elevation of water, slurry or sediment surface (feet)..... \_\_\_\_\_
- 7. Average width of crest (feet)..... \_\_\_\_\_
- 8. Cracks on crest..... yes  no
- 9. Cracks on slope..... yes  no upstream yes  no downstream
- 10. Sloughing or bulging on slope..... yes  no yes  no
- 11. Major erosion problems..... yes  no yes  no
- 12. Angle of slope..... \_\_\_\_\_
- 13. Water impounded against toe..... yes  no
- 14. Surface movements in valley bottom or on hillside..... yes  no
- 15. Abnormal seepage..... yes  no
- 16. Visible sumps or sinkholes in slurry surface..... yes  no
- 17. Clogging
  - Spillway channels and pipes..... yes  no
  - Decant system..... yes  no
  - Diversion ditches..... yes  no
- 18. Cracking or crushing of pipes
  - Spillway pipes..... yes NA no
  - Decant system..... yes  no
- 19. Trash racks clear and in place..... yes NA no
- 20. Refuse areas
  - Refuse graded and compacted..... yes NA no
  - Refuse burning..... yes NA no
  - Angle of slope (degrees)..... \_\_\_\_\_

*New Pond - Constructed at West Forks in 4<sup>th</sup> Quarter of 2002*

**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

**CONTENTS**

Subsidence Monitoring

Emery Mine Subsidence Monitoring Report -- 2002

Station	Location	Baseline				Resurvey			1998 Survey		1999 Survey		2000 Survey		2001 Survey		2002 Survey	
		Northing	Easting	Elevation	Date	Northing	Easting	Date	Elevation	Date								
H-6	1 East	196,403.18	2,070,884.42	6,092.21	Dec-81				6,091.30	Dec-98	6,091.30	Nov-99	6,091.31	Oct-00	6,091.33	Oct-01	6,091.27	Nov-02
SMK-2	1 East	197,094.12	2,069,844.82	6,099.91	Feb-81				6,098.24	Dec-98	6,097.94	Nov-99	6,098.31	Oct-00	6,098.22	Oct-01	6,098.32	Nov-02
H-1	2 East	196,595.37	2,072,825.14	6,078.84	May-80				6,078.30	Dec-98	6,078.29	Nov-99	6,078.31	Oct-00	6,078.32	Oct-01	6,078.33	Nov-02
SMK-3	2 East	197,304.72	2,071,450.90	6,083.56	Jun-81				6,077.57	Dec-98	6,077.66	Nov-99	6,077.60	Oct-00	6,077.57	Oct-01	6,077.63	Nov-02
83-1	3 East	197,431.73	2,072,907.02	6,062.29	Jun-83				6,061.05	Dec-98	6,061.04	Nov-99	6,061.05	Oct-00	6,061.07	Oct-01	6,061.12	Nov-02
E	3 East	197,803.76	2,072,023.67	6,079.67	May-81				6,078.24	Dec-98	6,077.98	Nov-99	6,078.02	Oct-00	damaged	Oct-01	6,079.45	Nov-02
86-6	4 East	199,025.80	2,073,046.70	6,075.64	Sep-86	199,026.13	2,073,046.79	Oct-95	6,074.49	Dec-98	6,074.76	Nov-99	6,074.73	Oct-00	6,074.69	Oct-01	6,074.75	Nov-02
86-9	4 East	198,236.28	2,074,137.07	6,069.17	Sep-86	198,236.29	2,074,137.07	Oct-95	6,068.41	Dec-98	6,068.41	Nov-99	6,068.41	Oct-00	6,068.52	Oct-01	6,068.52	Nov-02
88-7	4 East	197,096.86	2,075,534.68	6,053.99	Oct-88	197,096.85	2,075,534.04	Oct-95	6,053.24	Dec-98	6,052.98	Nov-99	6,053.32	Oct-00	6,053.29	Oct-01	6,053.32	Nov-02
86-7	5 East	199,752.34	2,073,666.90	6,099.96	Sep-86													
86-10	5 East	198,804.10	2,075,063.22	6,074.13	Sep-86													
90-1	1South-4East	193,321.82	2,071,554.61	6,064.46	Sep-90													
90-2	1South-4East	194,151.38	2,072,233.01	6,043.70	Sep-90													
90-3	1South-4East	194,697.79	2,072,613.57	6,020.54	Sep-90													
90-4	1South-4East	194,999.50	2,073,108.04	6,025.91	Sep-90													
90-5	1South-4East	195,743.01	2,073,472.37	6,025.52	Sep-90													
86-8	7 North	200,823.57	2,073,450.93	6,121.41	Sep-86													
86-1	1 Federal	196,195.95	2,066,451.12	5,999.53	Sep-86				5,999.46	Dec-98	5,999.49	Nov-99	5,999.44	Oct-00	5,999.43	Oct-01	5,999.45	Nov-02
86-2	1 Federal	196,991.96	2,065,342.60	6,036.66	Sep-86				6,036.49	Dec-98	6,036.46	Nov-99	6,036.43	Oct-00	6,036.48	Oct-01	6,036.51	Nov-02
86-4	1 Federal	199,177.18	2,062,679.70	6,074.13	Sep-86				6,074.76	Dec-98	6,074.97	Nov-99	6,074.82	Oct-00	6,074.80	Oct-01	6,074.80	Nov-02
86-5	1 Federal	198,495.12	2,064,069.40	6,159.24	Sep-86	198,495.23	2,064,069.69	Oct-95	6,160.09	Dec-98	6,160.06	Nov-99	6,160.16	Oct-00	6,160.12	Oct-01	6,160.22	Nov-02
87-1	2 Federal	195,498.41	2,066,141.87	5,995.61	May-87				5,986.63	Dec-98	5,986.56	Nov-99	5,986.61	Oct-00	5,986.51	Oct-01	5,986.59	Nov-02
88-6	3 Federal	195,517.06	2,065,670.10	5,970.89	Oct-88				5,971.10	Dec-98	5,971.07	Nov-99	5,971.03	Oct-00	5,970.98	Oct-01	5,971.14	Nov-02
88-4	4 Federal	196,346.15	2,064,618.22	5,985.47	Oct-88				5,984.32	Dec-98	5,984.39	Nov-99	5,984.28	Oct-00	5,984.28	Oct-01	5,984.31	Nov-02
88-5	4 Federal	196,312.43	2,065,049.88	5,992.04	Oct-88				5,990.68	Dec-98	5,990.73	Nov-99	5,990.64	Oct-00	5,990.63	Oct-01	5,990.70	Nov-02
88-3	5 Federal	197,031.84	2,064,091.02	6,010.55	Oct-88				6,010.35	Dec-98	6,010.56	Nov-99	6,010.37	Oct-00	6,010.43	Oct-01	6,010.34	Nov-02
86-13	5 Federal	197,515.26	2,064,041.37	6,032.25	Oct-86				6,032.02	Dec-98	6,032.29	Nov-99	6,032.12	Oct-00	6,032.13	Oct-01	6,032.10	Nov-02
88-2	6 Federal	197,475.04	2,063,677.78	6,012.88	Aug-90				6,012.62	Dec-98	6,012.78	Nov-99	6,012.74	Oct-00	6,012.77	Oct-01	6,012.70	Nov-02
88-1	7 Federal	198,336.99	2,062,643.16	6,039.82	Aug-90				6,039.69	Dec-98	6,039.90	Nov-99	6,039.86	Oct-00	6,039.87	Oct-01	6,039.77	Nov-02
89-1	1R 1 Fed	200,820.64	2,064,974.76	6,197.18	Dec-89				6,197.13	Dec-98	6,197.18	Nov-99	6,197.19	Oct-00	6,197.14	Oct-01	6,197.18	Nov-02
89-2	1R 1 Fed	201,172.57	2,065,398.39	6,196.83	Dec-89				6,196.87	Dec-98	6,196.94	Nov-99	6,196.60	Oct-00	6,196.86	Oct-01	6,196.93	Nov-02
89-3	2R 1 Fed	199,428.72	2,064,637.87	6,166.98	Dec-89				6,167.10	Dec-98	6,166.96	Nov-99	6,167.13	Oct-00	6,167.10	Oct-01	6,167.14	Nov-02
89-4	2R 1 Fed	200,808.75	2,066,115.13	6,181.46	Dec-89				6,181.61	Dec-98	6,181.67	Nov-99	6,181.61	Oct-00	6,181.67	Oct-01	6,181.66	Nov-02
86-12	3R 1 Fed	199,324.35	2,065,857.05	6,168.57	Oct-86													
86-11	4R 1 Fed	198,669.66	2,066,811.32	6,149.97	Oct-86													
86-3	4R 1 Fed	199,162.30	2,067,668.46	6,147.18	Sep-86													
C-36	6R 1 Fed	196,855.12	2,066,750.82	6,027.17														
Q	1L 6 South	191,929.15	2,066,753.80	5,931.20	Jun-81													
L	2 West	193,219.03	2,065,365.10	5,946.18					5,945.69	Dec-98	5,945.33	Nov-99	5,945.66	Oct-00	5,945.72	Oct-01	5,945.76	Nov-02
N	1R 2 West	193,874.72	2,065,955.61	5,948.67	Dec-82				5,946.00	Dec-98	5,946.17	Nov-99	5,945.99	Oct-00	5,945.97	Oct-01	5,946.07	Nov-02
W	2R 2 West	194,616.64	2,065,467.15	5,957.05	Jan-81				5,954.69	Dec-98	5,954.55	Nov-99	5,954.68	Oct-00	5,954.61	Oct-01	5,954.69	Nov-02
83-3	3R 2 West	194,594.74	2,064,492.11	5,962.25	May-84													
83-4	3R 2 West	194,929.82	2,064,644.95	5,966.22	May-84													
83-5	4R 2 West	194,627.68	2,063,887.44	5,969.53	May-84													
83-6	4R 2 West	194,965.20	2,064,059.57	5,971.07	May-84													
85-1	5R 2 West	194,958.12	2,063,444.68	5,974.25	Dec-85													
85-2	5R 2 West	195,463.95	2,063,363.96	5,978.85	Dec-85													

Notes:  
1. New monument set at original location

**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**

Department of Commerce  
Ownership & Control Information



Entity Number	Entity Type	Renewal Fee	Delinquent Date	Total Late renewal Fee	Date Entity C No Longer Per
599621-0143	Corporation - Foreign - Profit	\$10.00	08/22/2002	\$20.00	10/21/20

SUBMIT SEPARATE PAYMENTS FOR MULTIPLE RENEWALS  
CHANGES MADE ON THE FORM ON THE REVERSE MUST BE TYPE WRITTEN OR COMPUTER GENERATED

C T CORPORATION SYSTEM  
CONSOLIDATION COAL COMPANY  
50 W BROADWAY 8TH FLOOR  
SALT LAKE CITY UT 84101-2006

000000620253COR00005996210143000000000000000001000

(Detach coupon above even if changes are made on the reverse side of this form)

**INSTRUCTIONS FOR ANNUAL REPORT/RENEWAL - PLEASE READ CAREFULLY**

**TIMELY RENEWAL:** Pursuant to Utah Law, all renewals must be filed within their legally prescribed time. Failure to do so may result in the loss of all protection and privileges in the State of Utah.

**RENEWAL FEES:** Application fees are subject to change by the Legislature each July 1<sup>st</sup>. The fees quoted above are current at the time this renewal form was printed. The "Total Late Renewal Fee" quoted above is the total amount due if renewing after the entity's Delinquent Date.

**RENEWAL:** Please submit original form only. If no changes need to be made to registered information, carefully detach the coupon above and submit with the appropriate fee in the enclosed return envelope. For multiple renewals please submit separate payments. Payments are accepted by check or money order and should be payable to "State of Utah" DO NOT SEND CASH. Please indicate registration number and/or business name on check.

**CHANGES:** At the time of renewal changes can be made to the entity's registered information with no fee by using the form printed on the reverse. If making changes, return the detached coupon, the form with changes and the appropriate fee in the enclosed return envelope. Ensure that the changes made on the reverse side of this form are being made to the entity with which this renewal is associated.

If you have questions concerning this renewal or would like to check the status of your record please contact the Corporations Information Center at: (801) 530-4849 or toll free in-state (877) 526-3994 or go to <http://www.state.ut.us/serv/beg>. Forms may be downloaded from our Web site: <http://www.commerce.state.ut.us>

**ENTITY SPECIFIC INFORMATION:**

[www.utah.gov/commerce/abr](http://www.utah.gov/commerce/abr)

**Corporation - Domestic - Profit:** ONE (1) corporate officer with address {UCA 16-10A-830} & THREE (3) directors with addresses {UCA 16-10A-803} (exception: 16-10A-803-1b) must be reported by the entity's first anniversary annual report.

**Corporation - Foreign - Profit:** What the home state law requires

**Professional Corporation:** ONE (1) director with address and ONE (1) corporate officer with address, each must be an individual licensed to render the same specific professional services as those for which the corporation is organized or be qualified to be an officer or director under the applicable licensing act for which the corporation is organized {UCA 16-11-8}.

Use the form on the reverse to set forth any change in registered information, there is no additional fee involved when changing registered information for an entity in conjunction with that entity's renewal. When filling out the form, it must be type written or computer generated.

**REGISTERED PRINCIPAL INFORMATION**

To view principal information go to <http://www.utah.gov/commerce/abr>

You will need to enter the following information on the internet:

ENTITY NUMBER: 599621-0143

RENEWAL ID: 620253

RENEW ONLINE

RENEW ONLINE

# CONSOLIDATION COAL COMPANY

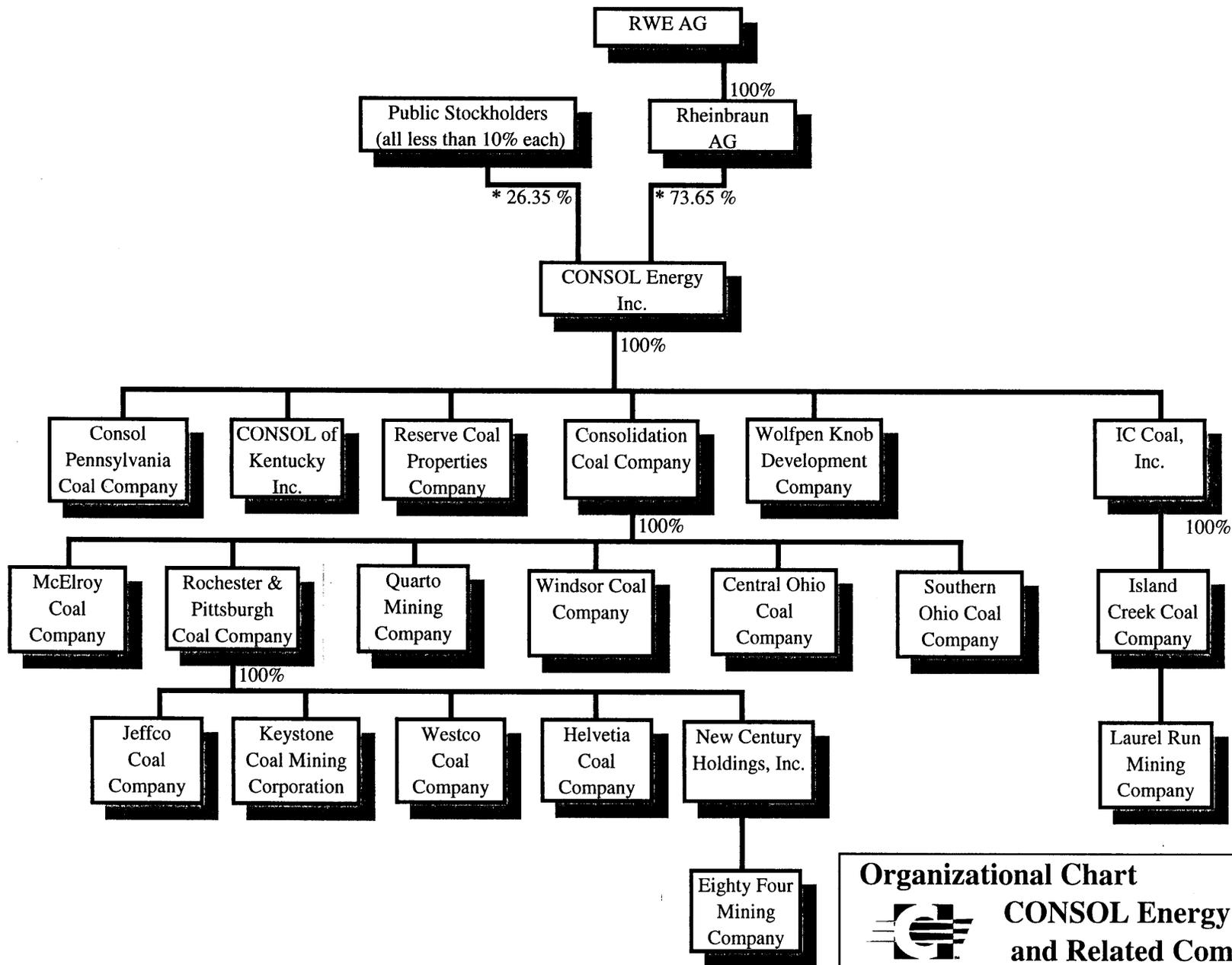
## List of Officers and Directors

### Officers:

J. Brett Harvey President	102 Troutwood Drive, Venetia, PA 15317 1800 Washington Road, Pittsburgh, PA 15241
D. R. Baker Ex. V. President	316 Bunker Hill Drive, McMurray, PA 15317 1800 Washington Road, Pittsburgh, PA 15241
G. G. Heard V. President	107 Abbey Brooke Lane, Venetia, PA 15367 1800 Washington Road, Pittsburgh, PA 15241
B. D. Dangerfield Vice President	1212 Lakeside Drive, Morgantown, WV 26505 1800 Washington Road, Pittsburgh, PA 15241
J. N. Magro Vice President	10 Kilsyth Court, St. Clairsville, OH 43950 1800 Washington Road, Pittsburgh, PA 15241
W. J. Lyons V.P. & Controller	3203 Washington Pike, Bridgeville, PA 15017 1800 Washington Road, Pittsburgh, PA 15241
D. L. Fassio V. P. & Secretary	238 Orr Drive, Pittsburgh, PA 15241 1800 Washington Road, Pittsburgh, PA 15241
J. M. Reilly Treasurer	819 Hillcrest Circle, Wexford, PA 15090 1800 Washington Road, Pittsburgh, PA 15241
G. J. Bench Asst. Secretary	2842 Locust Drive, Pittsburgh, PA 15241 1800 Washington Road, Pittsburgh, PA 15241
S. P. Skeen Asst. Secretary	65 Will Scarlet Drive, McMurray, PA 15317 1800 Washington Road, Pittsburgh, PA 15241

Directors:

D. R. Baker	316 Bunker Hill Drive, McMurray, PA 15317 1800 Washington Road, Pittsburgh, PA 15241
J. Brett Harvey	102 Troutwood Drive, Venetia, PA 15317 1800 Washington Road, Pittsburgh, PA 15241
W. J. Lyons	3203 Washington Pike, Bridgeville, PA 15017 1800 Washington Road, Pittsburgh, PA 15241
R. J. FlorJancic	112 Cedar Lane, McMurray, PA 15317 1800 Washington Road, Pittsburgh, PA 15241
D. L. Fassio	238 Orr Drive, Pittsburgh, PA 15241 1800 Washington Road, Pittsburgh, PA 15241
R. E. Smith	141 Druid Drive, McMurray, PA 15317 1800 Washington Road, Pittsburgh, PA 15241
R. Zimmermann	1750 Hempstead Lane, Pittsburgh, PA 15241 1800 Washington Road, Pittsburgh, PA 15241



**Organizational Chart**  
 **CONSOL Energy Inc.**  
**and Related Companies**

Revised October 3, 2002; Replaces January 21, 2002

\* Percentages as of October 2, 2002

**CONSOL Energy Inc.**

1800 Washington Road  
Pittsburgh, PA 15241

**CERTIFICATE**

I, Danny L. Fassio, the Secretary of CONSOL Energy Inc., hereby certify that, as Secretary, I have access to the books and records of CONSOL Energy Inc.

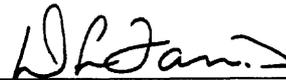
I further certify that listed below is an accurate summation of changes to the officers for CONSOL Energy Inc.:

**CONSOL Energy Inc.**

Effective January 1, 2003, Buddy A. Beach retired ending his position as Vice President.

Effective October 23, 2002, John M. Reilly was elected Treasurer.

Given under my hand and seal this 25 day of February, 2003.



Danny L. Fassio  
Secretary

Taken, subscribed and sworn to before me, a notary public, this 25 day of February, 2003.

  
Notary Public

Seal

Notarial Seal  
Jane M. Schaff, Notary Public  
Upper St. Clair Twp., Allegheny County  
My Commission Expires June 20, 2005  
Member, Pennsylvania Association of Notaries

**CONSOL Energy Inc.**

1800 Washington Road  
Pittsburgh, PA 15241

**CERTIFICATE**

I, Danny L. Fassio, the Secretary of CONSOL Energy Inc., hereby certify that, as Secretary, I have access to the books and records of all corporate entities of the CONSOL Energy Group, such entities being related companies of CONSOL Energy Inc.

I further certify that the following is an accurate summation of changes to the officers and directors for the indicated companies of the CONSOL Energy Group:

Effective September 30, 2002 Dan R. Baker resigned from all positions with all companies of the CONSOL Energy Group including, but not limited to, the following specific positions with the indicated companies:

Central Ohio Coal Company	Director
Central Ohio Coal Company	President
CONSOL Energy Inc.	Exec. Vice President
CONSOL of Kentucky Inc.	Director
CONSOL of Kentucky Inc.	President
Consol Pennsylvania Coal Company	Director
Consol Pennsylvania Coal Company	President
Consolidation Coal Company	Director
Consolidation Coal Company	Exec. Vice President
Eighty Four Mining Company	Director
Eighty Four Mining Company	President
Helvetia Coal Company	Director
Helvetia Coal Company	President
Island Creek Coal Company	Director
Island Creek Coal Company	President
Keystone Coal Mining Corporation	Director
Keystone Coal Mining Corporation	President
McElroy Coal Company	Director
McElroy Coal Company	President
Quarto Mining Company	Director
Quarto Mining Company	President
Southern Ohio Coal Company	Director
Southern Ohio Coal Company	President
Westco Coal Company	Director
Westco Coal Company	President
Windsor Coal Company	Director
Windsor Coal Company	President
Wolfpen Knob Development Company	President

No replacement has been elected for any of these positions at this time.

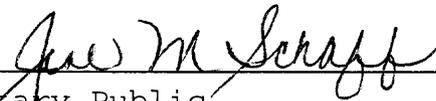
As of October, 2 2002, Rheinbraun AG owned 73.65 percent of the stock of CONSOL Energy Inc. The remaining 26.35 per cent of the shares are publicly traded and ownership changes on a daily basis. However, none of the shareholders of the publicly traded shares own a ten percent or greater interest in CONSOL Energy Inc.

Given under my hand and seal this 15 day of October, 2002.



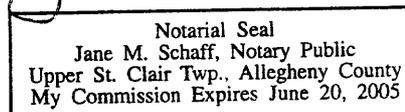
Danny L. Fassio  
Secretary

Taken, subscribed and sworn to before me, a notary public, this 15 day of October, 2002.



Notary Public

Seal



Member, Pennsylvania Association of Notaries

**CONSOL Energy Inc.**

1800 Washington Road  
Pittsburgh, PA 15241

**CERTIFICATE**

I, D.L. Fassio, the Vice President and Secretary of CONSOL Energy Inc., hereby certify that I have received updated officer and director information from the corporate offices of RWE AG, Rheinbraun AG and Rheinbraun US GmbH.

I further certify that Exhibit A, attached hereto is an accurate summation of the updated officer and director information received from the corporate offices of RWE AG, Rheinbraun AG and Rheinbraun US GmbH, each shown on the indicated pages of Exhibit A:

RWE AG	Page 1
Rheinbraun AG	Page 2
Rheinbraun US GmbH	Page 3

Given under my hand and seal this 15 day of October, 2002.



Danny L. Fassio  
Secretary

Taken, subscribed and sworn to before me, a notary public,  
this 15 day of October, 2002.



Notary Public

Seal

Notarial Seal  
Jane M. Schaff, Notary Public  
Upper St. Clair Twp., Allegheny County  
My Commission Expires June 20, 2005

Member, Pennsylvania Association of Notaries

Exhibit A

Page 1

RWE AG

The corporate address for RWE AG is:  
Kruppstrasse 5  
45128 Essen, Germany

Effective on the date shown below the officers and directors listed, **ended** the positions ascribed to them within RWE AG.

<u>Name</u>	<u>Position Ended</u>	<u>Date Ended</u>
Johann Heib	Member of Aufsichtsrat	11/8/2001
Ernst Stuckert	Member of Aufsichtsrat	11/8/2001

Effective on the date shown below the officers and directors listed, **started** the positions ascribed to them within RWE AG.

<u>Name</u>	<u>Position Started</u>	<u>Start Date</u>
Wilfried Eickenberg	Member of Aufsichtsrat	11/8/2001
Josef Pitz	Member of Aufsichtsrat	11/8/2001

Exhibit A

Page 2

Rheinbraun AG

The corporate address for Rheinbraun AG is:  
Stuttgenweg 2  
50935 Köln (Lindenthal), Germany

Effective on the date shown below the officers and directors listed, **ended** the positions ascribed to them within Rheinbraun AG.

<u>Name</u>	<u>Position Ended</u>	<u>Date Ended</u>
Walter Haas	Member of Aufsichtsrat	6/27/2002
Alfred Labanauskas	Member of Aufsichtsrat	6/27/2002
Hans Rockstroh	Member of Aufsichtsrat	6/27/2002
Siegfried Wendlandt	Member of Aufsichtsrat	6/27/2002

Effective on the date shown below the officers and directors listed, **started** the positions ascribed to them within Rheinbraun AG.

<u>Name</u>	<u>Position Started</u>	<u>Start Date</u>
Johannes Lambertz	Member of Vorstand	4/1/2002
Dieter Faust	Member of Aufsichtsrat	6/27/2002
Hans Peter Lafos	Member of Aufsichtsrat	6/27/2002
Hans-Detlef Loosz	Member of Aufsichtsrat	6/27/2002
Hermann-Josef Sester	Member of Aufsichtsrat	6/27/2002

**Exhibit A**

Page 3

**Rheinbraun US GmbH**

Effective January 1, 2002 Rheinbraun US GmbH was merged into Rheinbraun AG.

All officers and directors of Rheinbraun US GmbH are considered to have ended their positions on January 1, 2002, the effective date of the merger.

**CONSOL Energy Inc.**

1800 Washington Road  
Pittsburgh, PA 15241

**CERTIFICATE**

I, Danny L. Fassio, the Secretary of CONSOL Energy Inc., hereby certify that, as Secretary, I have access to the books and records of all corporate entities of the CONSOL Energy Group, such entities being related companies of CONSOL Energy Inc.

I further certify that the following is an accurate summation of changes to the officers and directors for the indicated companies of the CONSOL Energy Group:

Effective November 1, 2002 Peter B. Lilly was elected to the following specific positions with the indicated companies of the CONSOL Energy Group:

Central Ohio Coal Company	Director
Central Ohio Coal Company	President
CONSOL Energy Inc.	Chief Operating Officer
CONSOL of Kentucky Inc.	Director
CONSOL of Kentucky Inc.	President
Consol Pennsylvania Coal Company	Director
Consol Pennsylvania Coal Company	President
Consolidation Coal Company	Director
Consolidation Coal Company	Chief Operating Officer - Coal
Eighty Four Mining Company	Director
Eighty Four Mining Company	President
Helvetia Coal Company	Director
Helvetia Coal Company	President
Island Creek Coal Company	Director
Island Creek Coal Company	President
Keystone Coal Mining Corporation	Director
Keystone Coal Mining Corporation	President
McElroy Coal Company	Director
McElroy Coal Company	President
Quarto Mining Company	Director
Quarto Mining Company	President
Southern Ohio Coal Company	Director
Southern Ohio Coal Company	President
Windsor Coal Company	Director
Windsor Coal Company	President
Wolfpen Knob Development Company	President

Given under my hand and seal this 27<sup>th</sup> day of November, 2002.

  
\_\_\_\_\_

Danny L. Fassio  
Secretary

Taken, subscribed and sworn to before me, a notary public,  
this 27<sup>th</sup> day of November, 2002.

  
\_\_\_\_\_

Notary Public

Seal

Notarial Seal  
Kathleen M. Zupanic, Notary Public  
Upper St. Clair Twp., Allegheny County  
My Commission Expires July 4, 2006  
Member, Pennsylvania Association Of Notaries

CONSOL Energy Inc.

1800 Washington Road  
Pittsburgh, PA 15241

CERTIFICATE

I, Danny L. Fassio, the Secretary of CONSOL Energy Inc., hereby certify that, as Secretary, I have access to the books and records of all corporate entities of the CONSOL Coal Group, such entities being related companies of CONSOL Energy Inc.

I further certify that Exhibit A attached hereto is an accurate summation of changes to the officers and directors for the following companies of the CONSOL Coal Group, each shown on the indicated page of Exhibit A:

CONSOL Energy Inc.	Page 1
Consolidation Coal Company	Page 2
Helvetia Coal Company	Page 3
IC Coal, Inc.	Page 4
Island Creek Coal Company	Page 5
Keystone Coal Mining Corporation	Page 6
Laurel Run Mining Company	Page 7
Quarto Mining Company	Page 8
Wolfpen Knob Development Company	Page 9

Given under my hand and seal this 10th day of September, 2002.



Danny L. Fassio  
Secretary

Taken, subscribed and sworn to before me, a notary public, this 10th day of September, 2002.

  
Notary Public

Seal

Notarial Seal  
Jane M. Schaff, Notary Public  
Upper St. Clair Twp., Allegheny County  
My Commission Expires June 20, 2005

Member, Pennsylvania Association of Notaries

Exhibit A

Page 1

CONSOL Energy Inc.

Effective July 9, 2002, Ronald J. Florjancic retired,  
ending his position as Executive Vice President.

Exhibit A

Page 2

Consolidation Coal Company

Effective July 9, 2002, Ronald J. FlorJancic retired, ending his position as Director.

Effective August 1, 2002, Grayson G. Heard retired, ending his position as Vice President.

Effective July 10, 2002, John M. Reilly was elected Director.

Exhibit A

Page 3

**Helvetia Coal Company**

Effective July 9, 2002, Ronald J. FlorJancic retired, ending his position as Director.

Effective August 1, 2002, Grayson G. Heard retired, ending his position as Vice President.

Effective July 10, 2002, William J. Lyons was elected Director.

Effective August 2, 2002, William J. Lyons was elected Vice President.

Exhibit A

Page 4

IC Coal, Inc.

Effective July 9, 2002, Ronald J. FlorJancic retired, ending his positions as Director and President.

Effective July 10, 2002, Christoph Koether was elected Director.

Effective August 2, 2002, Ronald E. Smith was elected President.

Exhibit A

Page 5

Island Creek Coal Company

Effective August 1, 2002 Grayson G. Heard retired,  
ending his position as Vice President.

Exhibit A

Page 6

**Keystone Coal Mining Corporation**

Effective July 9, 2002, Ronald J. FlorJancic retired, ending his position as Director.

Effective August 1, 2002, Grayson G. Heard retired, ending his positions as Director and President.

Effective July 10, 2002, Christoph Koether was elected Director.

Effective July 10, 2002, Dan R. Baker was elected Director.

Effective August 2, 2002, Dan R. Baker was elected President.

Exhibit A

Page 7

**Laurel Run Mining Company**

Effective August 1, 2002, Grayson G. Heard retired,  
ending his positions as Director and Vice President.

Exhibit A

Page 8

**Quarto Mining Company**

Effective July 9, 2002, Ronald J. FlorJancic retired, ending his position as Director.

Effective August 1, 2002, Grayson G. Heard retired, ending his position as Vice President.

Effective July 10, 2002, Christoph Koether was elected Director.

Exhibit A

Page 9

Wolfpen Knob Development Company

Effective July 9, 2002, Ronald J. FlorJancic retired, ending his position as Director.

Effective July 10, 2002, William J. Lyons was elected Director.

**APPENDIX D**

**Mine Maps**

As required under R645-302-525-270

**CONTENTS**

Annual Mine Map