

LEGAL NOTICE

Consolidation Coal Company of Pittsburgh, Pennsylvania, hereby announces its intention to conduct activities incidental to underground mining activities at the Emery Mine. The currently approved permit is ACT/015/015.

Consolidation Coal Company operates the Emery Mine which is located (3) miles south of Emery, Utah within Sections 27, 28, 29, 32 and 33 of Township 22 South, Range 6 East, Salt Lake Base & Meridian.

Emery Mine plans to construct pick up topsoil and construct a silt fence within 100 feet of Emery County Road #915 at the Emery Mine located within:

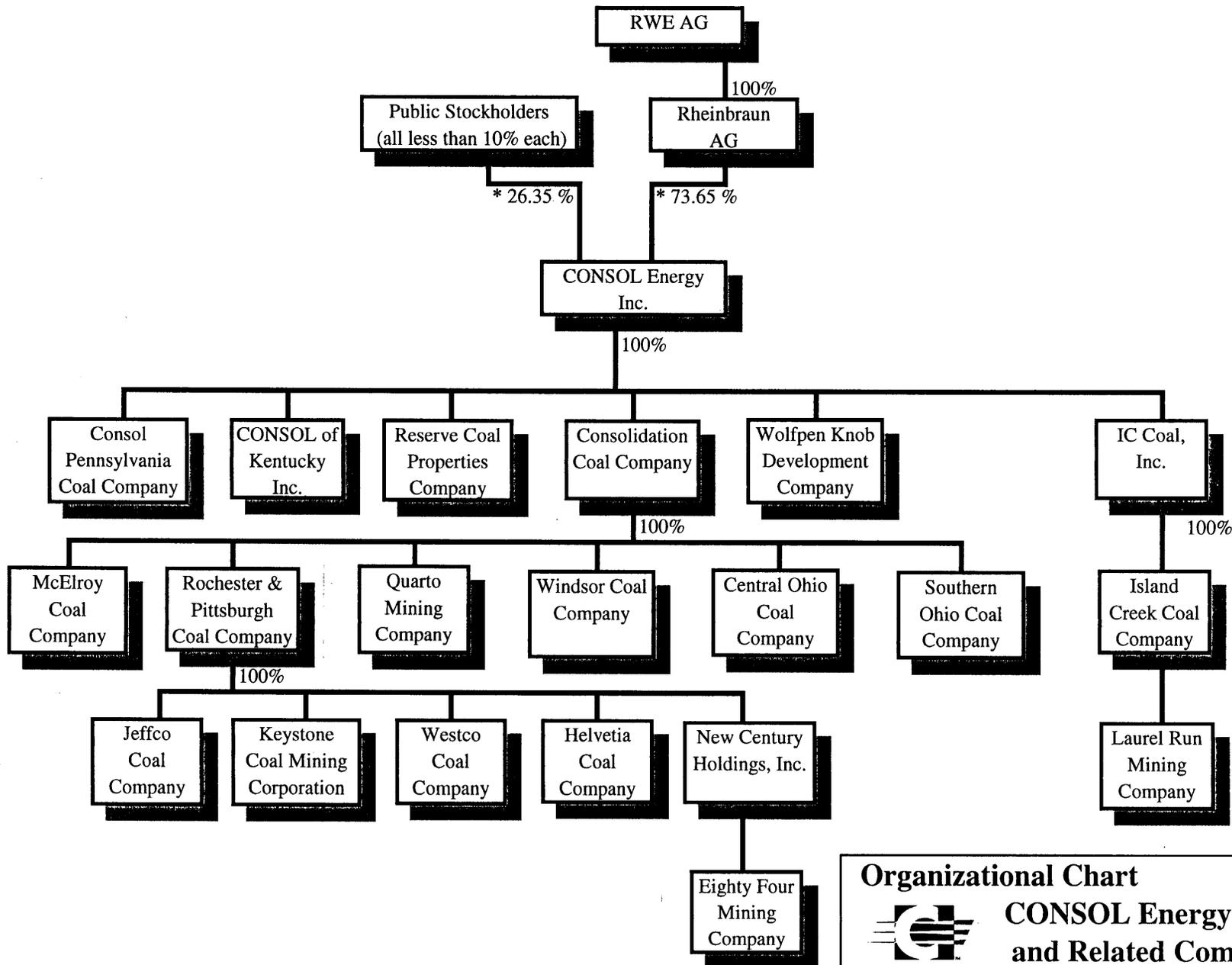
Township 22 S, Range 6E, Section 27, Salt Lake Basin Meridian

The area of the construction site has been submitted for approval:

The address of the applicant is: Consolidation Coal Company
Emery Mine
P.O. Box 527
Emery, Utah 84522
Phone: (435)286-2301

The address of the operator is: Consol Energy, Inc.
Consol Plaza
1800 Washington Road
Pittsburgh, PA 15241-1421
Phone: (412)831-4000

Written comments or request for a hearing regarding the activities for the construction must be made within 30 days of the last publication of this notice, and may be addressed to the Division of Oil, Gas and Mining, 1594 West North Temple, Suite 1210, Salt Lake City, Utah 84114-5801



Organizational Chart



CONSOL Energy Inc. and Related Companies

Revised October 3, 2002; Replaces January 21, 2002

* Percentages as of October 2, 2002

**Officers, Directors, and Stockholders of
Central Ohio Coal Company**

18-Mar-03

Name: Consolidation Coal Company
Address: 1800 Washington Rd.
 Pittsburgh PA 15241
Telephone: 412/831-4000
Social Security No: FEIN: 13-2566594
Title: Sole Shareholder **Title Effective Date:** 07/02/2001
Percent Ownership: 100% **Ownership Effective Date:** 07/02/2001
Ending Date:

Name: Gary J. Bench
Address: 1800 Washington Road
 Pittsburgh PA 15241
Telephone: 412-831-4000
Social Security No: 187-48-7192 **FEIN:**
Title: Assistant Secretary **Title Effective Date:** 07/02/2001
Percent Ownership: zero **Ownership Effective Date:**
Ending Date:

Name: Danny L. Fassio
Address: 1800 Washington Road
 Pittsburgh PA 15241
Telephone: 412-831-4000
Social Security No: 182-38-2744 **FEIN:**
Title: Director **Title Effective Date:** 07/02/2001
Percent Ownership: zero **Ownership Effective Date:**
Ending Date:

Name: J. Brett Harvey
Address: 1800 Washington Road
 Pittsburgh PA 15241
Telephone: 412-831-4000
Social Security No: n/a **FEIN:**
Title: Director **Title Effective Date:** 07/02/2001
Percent Ownership: zero **Ownership Effective Date:**
Ending Date:

Name: Peter B. Lilly
Address: 1800 Washington Road
 Pittsburgh PA 15241
Telephone: 412-831-4000
Social Security No: n/a **FEIN:**
Title: President **Title Effective Date:** 11/01/2002
Percent Ownership: zero **Ownership Effective Date:**
Ending Date:

Name: Peter B. Lilly
Address: 1800 Washington Road
 Pittsburgh PA 15241
Telephone: 412-831-4000
Social Security No: n/a **FEIN:**
Title: Director **Title Effective Date:** 11/01/2002
Percent Ownership: zero **Ownership Effective Date:**
Ending Date:

18-Mar-03

**Officers, Directors, and Stockholders of
Central Ohio Coal Company**

Name: **John M. Reilly**
Address: 1800 Washington Road
Pittsburgh PA 15241
Telephone: 412-831-4000
Social Security No: n/a FEIN:
Title: Treasurer Title Effective Date: 07/02/2001
Percent Ownership: zero Ownership Effective Date:
Ending Date:

Name: **Karl T. Skrypak**
Address: 1800 Washington Road
Pittsburgh PA 15241
Telephone: 412-831-4000
Social Security No: 173-40-7443 FEIN:
Title: Secretary Title Effective Date: 07/02/2001
Percent Ownership: zero Ownership Effective Date:
Ending Date:

Name: **John F. Zachwieja**
Address: 172 Route 519
Eighty Four PA 15330
Telephone: 724-206-2005
Social Security No: n/a FEIN:
Title: General Manager Title Effective Date: 03/01/2002
Percent Ownership: zero Ownership Effective Date:
Ending Date:

Officers, Directors, and Stockholders of
CONSOL Energy Inc.

Name: Philip W. Baxter
Address: 1800 Washington Road
Pittsburgh PA 15241
Telephone: 412/831-4000
Social Security No: n/a FEIN:
Title: Director Title Effective Date: 08/01/1999
Percent Ownership: <10% Ownership Effective Date:
Ending Date:

Name: Buddy A. Beach
Address: 1800 Washington Rd.
Pittsburgh PA 15241
Telephone: 412/831-4000
Social Security No: 401-54-1902 FEIN:
Title: Vice President Title Effective Date: 09/30/2000
Percent Ownership: n/a Ownership Effective Date:
Ending Date: 01/01/2003

Name: Gary J. Bench
Address: 1800 Washington Road
Pittsburgh PA 15241
Telephone: 412/831-4000
Social Security No: 187-48-7192 FEIN:
Title: Assistant Secretary Title Effective Date: 11/01/1999
Percent Ownership: <10% Ownership Effective Date:
Ending Date:

Name: Berthold A. Bonekamp
Address: 1800 Washington Road
Pittsburgh PA 15241
Telephone: 412/831-4000
Social Security No: n/a FEIN:
Title: Director Title Effective Date: 07/17/1998
Percent Ownership: zero Ownership Effective Date:
Ending Date:

Name: Bernd J. Breloer
Address: 1800 Washington Road
Pittsburgh PA 15241
Telephone: 412/831-4000
Social Security No: n/a FEIN:
Title: Director Title Effective Date: 09/15/1998
Percent Ownership: zero Ownership Effective Date:
Ending Date:

Name: William A. Bruno
Address: 1800 Washington Rd.
Pittsburgh PA 15241
Telephone: 412/831-4000
Social Security No: 047-40-3571 FEIN:
Title: Vice President Title Effective Date: 09/30/2000
Percent Ownership: n/a Ownership Effective Date:
Ending Date:

Officers, Directors, and Stockholders of
CONSOL Energy Inc.

Name: Frank P. Burke
Address: 1800 Washington Road
Pittsburgh PA 15241
Telephone: 412/831-4000
Social Security No: n/a FEIN:
Title: Vice President Title Effective Date: 09/30/2000
Percent Ownership: n/a Ownership Effective Date:
Ending Date:

Name: Rowland H. Burns, Jr.
Address: 1800 Washington Road
Pittsburgh PA 15241
Telephone: 412/831-4000
Social Security No: n/a FEIN:
Title: Ass't Secretary Title Effective Date: 09/30/2000
Percent Ownership: n/a Ownership Effective Date:
Ending Date:

Name: Nicholas J. Deluliis
Address: 1800 Washington Road
Pittsburgh PA 15241
Telephone: 412/831-4000
Social Security No: n/a FEIN:
Title: Vice President Title Effective Date: 01/01/2002
Percent Ownership: n/a Ownership Effective Date:
Ending Date:

Name: Danny L. Fassio
Address: 1800 Washington Road
Pittsburgh PA 15241
Telephone: 412/831-4000
Social Security No: 182-38-2744 FEIN:
Title: General Counsel Title Effective Date: 09/30/2000
Percent Ownership: n/a Ownership Effective Date:
Ending Date:

Name: Danny L. Fassio
Address: 1800 Washington Road
Pittsburgh PA 15241
Telephone: 412/831-4000
Social Security No: 182-38-2744 FEIN:
Title: Vice President Title Effective Date: 11/01/1999
Percent Ownership: n/a Ownership Effective Date:
Ending Date:

Name: Danny L. Fassio
Address: 1800 Washington Road
Pittsburgh PA 15241
Telephone: 412/831-4000
Social Security No: 182-38-2744 FEIN:
Title: Secretary Title Effective Date: 03/01/1994
Percent Ownership: n/a Ownership Effective Date:
Ending Date:

Officers, Directors, and Stockholders of
CONSOL Energy Inc.

Name: Patricia A. Hammick
Address: 1800 Washington Road
Pittsburgh PA 15241
Telephone: 412-831-4000
Social Security No: n/a FEIN:
Title: Director Title Effective Date: 06/11/2001
Percent Ownership: n/a Ownership Effective Date:
Ending Date:

Name: J. Brett Harvey
Address: 1800 Washington Road
Pittsburgh PA 15241
Telephone: 412/831-4000
Social Security No: n/a FEIN:
Title: Pres,CEO,& Dir. Title Effective Date: 01/01/1998
Percent Ownership: zero Ownership Effective Date:
Ending Date:

Name: Thomas F. Hoffman
Address: 1800 Washington Rd.
Pittsburgh PA 15241
Telephone: 412/831-4000
Social Security No: 202-36-9233 FEIN:
Title: Vice President Title Effective Date: 09/30/2000
Percent Ownership: n/a Ownership Effective Date:
Ending Date:

Name: Jack A. Holt
Address: 1800 Washington Road
Pittsburgh PA 15241
Telephone: 412/831-4000
Social Security No: n/a FEIN:
Title: Vice President Title Effective Date: 09/30/2000
Percent Ownership: n/a Ownership Effective Date:
Ending Date:

Name: Larry W. Hull
Address: 1800 Washington Road
Pittsburgh PA 15241
Telephone: 412/831-4000
Social Security No: 232-82-8546 FEIN:
Title: Vice President Title Effective Date: 03/01/2002
Percent Ownership: n/a Ownership Effective Date:
Ending Date:

Name: Marshall W. Hunt
Address: 1800 Washington Road
Pittsburgh PA 15241
Telephone: 412/831-4000
Social Security No: n/a FEIN:
Title: Vice President Title Effective Date: 09/30/2000
Percent Ownership: n/a Ownership Effective Date:
Ending Date:

**Officers, Directors, and Stockholders of
CONSOL Energy Inc.**

18-Mar-03

Name: James D. Kingsley
Address: 1800 Washington Road
 Pittsburgh PA 15241
Telephone: 412/831-4000
Social Security No: n/a **FEIN:**
Title: Vice President **Title Effective Date:** 09/30/2000
Percent Ownership: n/a **Ownership Effective Date:**
Ending Date:

Name: Christoph Koether
Address: 1800 Washington Road
 Pittsburgh PA 15241
Telephone: 412-831-4000
Social Security No: n/a **FEIN:**
Title: Executive Vice President **Title Effective Date:** 07/01/2001
Percent Ownership: zero **Ownership Effective Date:**
Ending Date:

Name: Christoph Koether
Address: 1800 Washington Road
 Pittsburgh PA 15241
Telephone: 412/831-4000
Social Security No: n/a **FEIN:**
Title: Director **Title Effective Date:** 02/01/2001
Percent Ownership: n/a **Ownership Effective Date:**
Ending Date:

Name: Peter B. Lilly
Address: 1800 Washington Road
 Pittsburgh PA 15241
Telephone: 412-831-4000
Social Security No: n/a **FEIN:**
Title: Chief Operating Officer **Title Effective Date:** 11/01/2002
Percent Ownership: zero **Ownership Effective Date:**
Ending Date:

Name: William J. Lyons
Address: 1800 Washington Road
 Pittsburgh PA 15241
Telephone: 412/831-4000
Social Security No: n/a **FEIN:**
Title: Chief Financial Officer **Title Effective Date:** 12/01/2000
Percent Ownership: n/a **Ownership Effective Date:**
Ending Date:

Name: William J. Lyons
Address: 1800 Washington Road
 Pittsburgh PA 15241
Telephone: 412/831-4000
Social Security No: n/a **FEIN:**
Title: Senior Vice President **Title Effective Date:** 12/01/2000
Percent Ownership: n/a **Ownership Effective Date:**
Ending Date:

Officers, Directors, and Stockholders of
CONSOL Energy Inc.

18-Mar-03

Name: **William J. Lyons**
Address: 1800 Washington Road
Pittsburgh PA 15241
Telephone: 412/831-4000
Social Security No: n/a FEIN:
Title: Controller Title Effective Date: 01/01/1995
Percent Ownership: n/a Ownership Effective Date:
Ending Date:

Name: **Robert F. Pusateri**
Address: 1800 Washington Road
Pittsburgh PA 15241
Telephone: 412/831-4000
Social Security No: n/a FEIN:
Title: Vice President Title Effective Date: 09/30/2000
Percent Ownership: n/a Ownership Effective Date:
Ending Date:

Name: **John M. Reilly**
Address: 1800 Washington Road
Pittsburgh PA 15241
Telephone: 412/831-4000
Social Security No: n/a FEIN:
Title: Treasurer Title Effective Date: 10/23/2002
Percent Ownership: n/a Ownership Effective Date:
Ending Date:

Name: **Rheinbraun AG**
Address: Stuttgenweg 2
50935 Köln, Germany
Telephone: 011 49 221-4801
Social Security No: n/a FEIN:
Title: Shareholder Title Effective Date: 01/01/1992
Percent Ownership: 73.65% Ownership Effective Date: 01/01/1992
Ending Date:

Name: **William G. Rieland**
Address: 1800 Washington Road
Pittsburgh PA 15241
Telephone: 412/831-4000
Social Security No: n/a FEIN:
Title: Vice President Title Effective Date: 09/30/2000
Percent Ownership: n/a Ownership Effective Date:
Ending Date:

Name: **Ronald E. Smith**
Address: 1800 Washington Rd.
Pittsburgh PA 15241
Telephone: 412/831-4000
Social Security No: 503-52-8341 FEIN:
Title: Executive VP Title Effective Date: 09/30/2000
Percent Ownership: n/a Ownership Effective Date:
Ending Date:

18-Mar-03

**Officers, Directors, and Stockholders of
CONSOL Energy Inc.**

Name: **Robert V. Stovash**
Address: 1800 Washington Rd.
Pittsburgh PA 15241
Telephone: 412/831-4000
Social Security No: 187-30-8287 FEIN:
Title: Vice President Title Effective Date: 09/30/2000
Percent Ownership: n/a Ownership Effective Date:
Ending Date:

Name: **Ronald G. Stovash**
Address: 1800 Washington Road
Pittsburgh PA 15241
Telephone: 412/831-4000
Social Security No: 211-36-5558 FEIN:
Title: Vice President Title Effective Date: 09/30/2000
Percent Ownership: n/a Ownership Effective Date:
Ending Date:

Name: **John L. Whitmire**
Address: 1800 Washington Road
Pittsburgh PA 15241
Telephone: 412/831-4000
Social Security No: n/a FEIN:
Title: Director Title Effective Date: 03/03/1999
Percent Ownership: <10% Ownership Effective Date:
Ending Date:

Name: **Stephen G. Young**
Address: 1800 Washington Rd.
Pittsburgh PA 15241
Telephone: 412/831-4000
Social Security No: 234-54-4913 FEIN:
Title: Vice President Title Effective Date: 09/30/2000
Percent Ownership: n/a Ownership Effective Date:
Ending Date:

Name: **Rolf Zimmermann**
Address: 1800 Washington Road
Pittsburgh PA 15241
Telephone: 412-831-4000
Social Security No: n/a FEIN:
Title: Director Title Effective Date: 09/29/1993
Percent Ownership: <10% Ownership Effective Date:
Ending Date:

**Officers, Directors, and Stockholders of
CONSOL of Kentucky Inc.**

18-Mar-03

Name: CONSOL Energy Inc.
Address: 1800 Washington Road
 Pittsburgh PA 15241
Telephone: (412) 831-4000
Social Security No: FEIN: 51-0337383
Title: Sole Shareholder **Title Effective Date:** 01/01/2001
Percent Ownership: 100% **Ownership Effective Date:** 01/01/1993
Ending Date:

Name: Gary J. Bench
Address: 1800 Washington Road
 Pittsburgh PA 15241
Telephone: 412-831-4000
Social Security No: 187-48-7192 **FEIN:**
Title: Assistant Secretary **Title Effective Date:** 07/01/2001
Percent Ownership: zero **Ownership Effective Date:**
Ending Date:

Name: Barry D. Dangerfield
Address: 1800 Washington Road
 Pittsburgh PA 15241
Telephone: (412) 831-4000
Social Security No: n/a **FEIN:**
Title: Vice President **Title Effective Date:** 11/01/1999
Percent Ownership: zero **Ownership Effective Date:**
Ending Date:

Name: Danny L. Fassio
Address: 1800 Washington Road
 Pittsburgh PA 15241
Telephone: (412) 831-4000
Social Security No: 182-38-2744 **FEIN:**
Title: Director **Title Effective Date:** 09/01/1997
Percent Ownership: zero **Ownership Effective Date:**
Ending Date:

Name: J. Brett Harvey
Address: 1800 Washington Road
 Pittsburgh PA 15241
Telephone: (412) 831-4000
Social Security No: n/a **FEIN:**
Title: Director **Title Effective Date:** 08/31/1998
Percent Ownership: zero **Ownership Effective Date:**
Ending Date:

Name: Peter B. Lilly
Address: 1800 Washington Road
 Pittsburgh PA 15241
Telephone: 412-831-4000
Social Security No: n/a **FEIN:**
Title: President **Title Effective Date:** 11/01/2002
Percent Ownership: zero **Ownership Effective Date:**
Ending Date:

18-Mar-03

**Officers, Directors, and Stockholders of
CONSOL of Kentucky Inc.**

Name: Peter B. Lilly
Address: 1800 Washington Road
Pittsburgh PA 15241
Telephone: 412-831-4000
Social Security No: n/a
Title: Director
Percent Ownership: zero
Ending Date:

FEIN:
Title Effective Date: 11/01/2002
Ownership Effective Date:

Name: John M. Reilly
Address: 1800 Washington Road
Pittsburgh PA 15241
Telephone: (412) 831-4000
Social Security No: n/a
Title: Treasurer
Percent Ownership: zero
Ending Date:

FEIN:
Title Effective Date: 09/01/1998
Ownership Effective Date:

Name: Karl T. Skrypak
Address: 1800 Washington Rd.
Pittsburgh PA 15241
Telephone: 412/831-4000
Social Security No: 173-40-7443
Title: Secretary
Percent Ownership: zero
Ending Date:

FEIN:
Title Effective Date: 03/01/2002
Ownership Effective Date:

18-Mar-03

Officers, Directors, and Stockholders of Consol Pennsylvania Coal Company

| | | | |
|----------------------------|-----------------------------------|----------------------------------|------------|
| Name: | CONSOL Energy Inc. | | |
| Address: | 1800 Washington Rd. Pittsburgh | PA | 15241 |
| Telephone: | 412/831-4000 | | |
| Social Security No: | | FEIN: | 51-0337383 |
| Title: | Sole Shareholder | Title Effective Date: | 01/01/2001 |
| Percent Ownership: | 100% | Ownership Effective Date: | 01/01/1993 |
| Ending Date: | | | |

| | | | |
|----------------------------|------------------------------------|----------------------------------|------------|
| Name: | Gary J. Bench | | |
| Address: | 1800 Washington Road Pittsburgh | PA | 15241 |
| Telephone: | 412-831-4000 | | |
| Social Security No: | 187-48-7192 | FEIN: | |
| Title: | Assistant Secretary | Title Effective Date: | 07/01/2001 |
| Percent Ownership: | zero | Ownership Effective Date: | |
| Ending Date: | | | |

| | | | |
|----------------------------|------------------------------------|----------------------------------|------------|
| Name: | Danny L. Fassio | | |
| Address: | 1800 Washington Road Pittsburgh | PA | 15241 |
| Telephone: | 412-831-4000 | | |
| Social Security No: | 182-38-2744 | FEIN: | |
| Title: | Director | Title Effective Date: | 09/01/1997 |
| Percent Ownership: | zero | Ownership Effective Date: | |
| Ending Date: | | | |

| | | | |
|----------------------------|------------------------------------|----------------------------------|------------|
| Name: | J. Brett Harvey | | |
| Address: | 1800 Washington Road Pittsburgh | PA | 15241 |
| Telephone: | 412-831-4000 | | |
| Social Security No: | n/a | FEIN: | |
| Title: | Director | Title Effective Date: | 08/31/1998 |
| Percent Ownership: | zero | Ownership Effective Date: | |
| Ending Date: | | | |

| | | | |
|----------------------------|------------------------------|----------------------------------|------------|
| Name: | David D. Hudson | | |
| Address: | 172 Route 519 Eighty Four | PA | 15330 |
| Telephone: | 724-206-2005 | | |
| Social Security No: | n/a | FEIN: | |
| Title: | Vice President | Title Effective Date: | 03/01/2002 |
| Percent Ownership: | zero | Ownership Effective Date: | |
| Ending Date: | | | |

| | | | |
|----------------------------|------------------------------------|----------------------------------|------------|
| Name: | Peter B. Lilly | | |
| Address: | 1800 Washington Road Pittsburgh | PA | 15241 |
| Telephone: | 412-831-4000 | | |
| Social Security No: | n/a | FEIN: | |
| Title: | President | Title Effective Date: | 11/01/2002 |
| Percent Ownership: | zero | Ownership Effective Date: | |
| Ending Date: | | | |

**Officers, Directors, and Stockholders of
Consol Pennsylvania Coal Company**

Name: Peter B. Lilly
Address: 1800 Washington Road
Pittsburgh PA 15241
Telephone: 412-831-4000
Social Security No: n/a
Title: Director
Percent Ownership: zero
Ending Date:

FEIN:
Title Effective Date: 11/01/2002
Ownership Effective Date:

Name: John M. Reilly
Address: 1800 Washington Road
Pittsburgh PA 15241
Telephone: 412-831-4000
Social Security No: n/a
Title: Treasurer
Percent Ownership: zero
Ending Date:

FEIN:
Title Effective Date: 11/01/1999
Ownership Effective Date:

Name: Karl T. Skrypak
Address: 1800 Washington Rd.
Pittsburgh PA 15241
Telephone: 412/831-4000
Social Security No: 173-40-7443
Title: Secretary
Percent Ownership: zero
Ending Date:

FEIN:
Title Effective Date: 06/01/1992
Ownership Effective Date:

Officers, Directors, and Stockholders of Consolidation Coal Company

18-Mar-03

| | | | |
|----------------------------|-----------------------------------|----------------------------------|------------|
| Name: | CONSOL Energy Inc. | | |
| Address: | 1800 Washington Rd. Pittsburgh | PA | 15241 |
| Telephone: | 412/831-4000 | | |
| Social Security No: | | FEIN: | 51-0337383 |
| Title: | Sole Shareholder | Title Effective Date: | 01/01/2001 |
| Percent Ownership: | 100% | Ownership Effective Date: | 01/01/1992 |
| Ending Date: | | | |

| | | | |
|----------------------------|------------------------------|----------------------------------|------------|
| Name: | Albert A. Aloia | | |
| Address: | 172 Route 519 Eighty Four | PA | 15330 |
| Telephone: | 724-206-2005 | | |
| Social Security No: | n/a | FEIN: | |
| Title: | Vice President | Title Effective Date: | 03/01/2002 |
| Percent Ownership: | zero | Ownership Effective Date: | |
| Ending Date: | | | |

| | | | |
|----------------------------|------------------------------------|----------------------------------|------------|
| Name: | Gary J. Bench | | |
| Address: | 1800 Washington Road Pittsburgh | PA | 15241 |
| Telephone: | 412-831-4000 | | |
| Social Security No: | 187-48-7192 | FEIN: | |
| Title: | Assistant Secretary | Title Effective Date: | 07/01/2001 |
| Percent Ownership: | zero | Ownership Effective Date: | |
| Ending Date: | | | |

| | | | |
|----------------------------|-----------------------------|----------------------------------|------------|
| Name: | Barry D. Dangerfield | | |
| Address: | Route 460 Oakwood | VA | 24631 |
| Telephone: | 703/498-8200 | | |
| Social Security No: | 236-80-5801 | FEIN: | |
| Title: | Vice President | Title Effective Date: | 05/01/1987 |
| Percent Ownership: | zero | Ownership Effective Date: | |
| Ending Date: | | | |

| | | | |
|----------------------------|------------------------------------|----------------------------------|------------|
| Name: | Danny L. Fassio | | |
| Address: | 1800 Washington Road Pittsburgh | PA | 15241 |
| Telephone: | 412 - 831-4000 | | |
| Social Security No: | 182-38-2744 | FEIN: | |
| Title: | Director | Title Effective Date: | 02/01/1999 |
| Percent Ownership: | zero | Ownership Effective Date: | |
| Ending Date: | | | |

| | | | |
|----------------------------|------------------------------------|----------------------------------|------------|
| Name: | Danny L. Fassio | | |
| Address: | 1800 Washington Road Pittsburgh | PA | 15241 |
| Telephone: | 412 - 831-4000 | | |
| Social Security No: | 182-38-2744 | FEIN: | |
| Title: | Vice President | Title Effective Date: | 09/14/1998 |
| Percent Ownership: | zero | Ownership Effective Date: | |
| Ending Date: | | | |

18-Mar-03

Officers, Directors, and Stockholders of Consolidation Coal Company

Name: Danny L. Fassio
Address: 1800 Washington Road
 Pittsburgh PA 15241
Telephone: 412 - 831-4000
Social Security No: 182-38-2744
Title: Secretary
FEIN:
Title Effective Date: 06/01/1995
Percent Ownership: zero
Ownership Effective Date:
Ending Date:

Name: J. Brett Harvey
Address: 1800 Washington Road
 Pittsburgh PA 15241
Telephone: 412 - 831-4000
Social Security No: n/a
Title: President & Director
FEIN:
Title Effective Date: 01/01/1998
Percent Ownership: zero
Ownership Effective Date:
Ending Date:

Name: Bart J. Hyita
Address: 172 Route 519
 Eighty Four PA 15330
Telephone: 724-206-2005
Social Security No: n/a
Title: Vice President
FEIN:
Title Effective Date: 03/01/2002
Percent Ownership: zero
Ownership Effective Date:
Ending Date:

Name: Christoph Koether
Address: 1800 Washington Road
 Pittsburgh PA 15241
Telephone: 412/831-4000
Social Security No: n/a
Title: Director
FEIN:
Title Effective Date: 11/30/2001
Percent Ownership: zero
Ownership Effective Date:
Ending Date:

Name: Peter B. Lilly
Address: 1800 Washington Road
 Pittsburgh PA 15241
Telephone: 412-831-4000
Social Security No: n/a
Title: Director
FEIN:
Title Effective Date: 11/01/2002
Percent Ownership: zero
Ownership Effective Date:
Ending Date:

Name: Peter B. Lilly
Address: 1800 Washington Road
 Pittsburgh PA 15241
Telephone: 412-831-4000
Social Security No: n/a
Title: Chief Operating Officer - Coal
FEIN:
Title Effective Date: 11/01/2002
Percent Ownership: zero
Ownership Effective Date:
Ending Date:

18-Mar-03

**Officers, Directors, and Stockholders of
Consolidation Coal Company**

Name: William J. Lyons
Address: 1800 Washington Road
 Pittsburgh
Telephone: 412 - 831-4000
Social Security No: n/a
Title: Director
Percent Ownership: zero
Ending Date:

PA 15241
FEIN:
Title Effective Date: 09/30/2000
Ownership Effective Date:

Name: William J. Lyons
Address: 1800 Washington Road
 Pittsburgh
Telephone: 412 - 831-4000
Social Security No: n/a
Title: VP & Controller
Percent Ownership: zero
Ending Date:

PA 15241
FEIN:
Title Effective Date: 01/01/1995
Ownership Effective Date:

Name: James J. McCaffrey
Address: 172 Route 519
 Eighty Four
Telephone: 724-206-2005
Social Security No: n/a
Title: Vice President
Percent Ownership: zero
Ending Date:

PA 15330
FEIN:
Title Effective Date: 03/01/2002
Ownership Effective Date:

Name: John M. Reilly
Address: 1800 Washington Road
 Pittsburgh
Telephone: (412) 831-4000
Social Security No: n/a
Title: Director
Percent Ownership: zero
Ending Date:

PA 15241
FEIN:
Title Effective Date: 07/10/2002
Ownership Effective Date:

Name: John M. Reilly
Address: 1800 Washington Road
 Pittsburgh
Telephone: 412 - 831-4000
Social Security No: n/a
Title: Treasurer
Percent Ownership: zero
Ending Date:

PA 15241
FEIN:
Title Effective Date: 11/01/1999
Ownership Effective Date:

Name: Walter J. Scheller
Address: 172 Route 519
 Eighty Four
Telephone: 724-206-2005
Social Security No: n/a
Title: Vice President
Percent Ownership: zero
Ending Date:

PA 15330
FEIN:
Title Effective Date: 03/01/2002
Ownership Effective Date:

**Officers, Directors, and Stockholders of
Consolidation Coal Company**

Name: Samuel P. Skeen
Address: 1800 Washington Rd.
Pittsburgh
Telephone: 412/831-4000
Social Security No: 236-76-7594
Title: Ass't Secretary
Percent Ownership: zero
Ending Date:

PA 15241
FEIN:
Title Effective Date: 06/01/1995
Ownership Effective Date:

Name: Ronald E. Smith
Address: 1800 Washington Road
Pittsburgh
Telephone: 412 - 831-4000
Social Security No: 503-52-8341
Title: Director
Percent Ownership: zero
Ending Date:

PA 15241
FEIN:
Title Effective Date: 02/01/1999
Ownership Effective Date:

Name: John F. Zachwieja
Address: 172 Route 519
Eighty Four
Telephone: 724-206-2005
Social Security No: n/a
Title: General Manager
Percent Ownership: zero
Ending Date:

PA 15330
FEIN:
Title Effective Date: 03/01/2002
Ownership Effective Date:

Officers, Directors, and Stockholders of
Eighty Four Mining Company

Name: **New Century Holdings, Inc.**
Address: 1800 Washington Rd.
Pittsburgh PA 15241
Telephone: 412-831-4000
Social Security No: FEIN: 51-0344312
Title: Sole shareholder Title Effective Date: 12/21/1992
Percent Ownership: 100 % Ownership Effective Date:
Ending Date:

Name: **Gary J. Bench**
Address: 1800 Washington Road
Pittsburgh PA 15241
Telephone: 412-831-4000
Social Security No: 187-48-7192 FEIN:
Title: Assistant Secretary Title Effective Date: 07/01/2001
Percent Ownership: zero Ownership Effective Date:
Ending Date:

Name: **Danny L. Fassio**
Address: 1800 Washington Rd.
Pittsburgh PA 15241
Telephone: 412-831-4000
Social Security No: 182-38-2744 FEIN:
Title: Director Title Effective Date: 09/22/1998
Percent Ownership: zero Ownership Effective Date:
Ending Date:

Name: **J. Brett Harvey**
Address: 1800 Washington Rd.
Pittsburgh PA 15241
Telephone: 412-831-4000
Social Security No: n/a FEIN:
Title: Director Title Effective Date: 09/22/1998
Percent Ownership: zero Ownership Effective Date:
Ending Date:

Name: **Peter B. Lilly**
Address: 1800 Washington Road
Pittsburgh PA 15241
Telephone: 412-831-4000
Social Security No: n/a FEIN:
Title: Director Title Effective Date: 11/01/2002
Percent Ownership: zero Ownership Effective Date:
Ending Date:

Name: **Peter B. Lilly**
Address: 1800 Washington Road
Pittsburgh PA 15241
Telephone: 412-831-4000
Social Security No: n/a FEIN:
Title: President Title Effective Date: 11/01/2002
Percent Ownership: zero Ownership Effective Date:
Ending Date:

18-Mar-03

**Officers, Directors, and Stockholders of
Eighty Four Mining Company**

Name: James J. McCaffrey
Address: 172 Route 519
Eighty Four
Telephone: 724-206-2005
Social Security No: n/a
Title: Vice President
Percent Ownership: zero
Ending Date:

PA 15330
FEIN:
Title Effective Date: 03/01/2002
Ownership Effective Date:

Name: John M. Reilly
Address: 1800 Washington Rd.
Pittsburgh
Telephone: 412-831-4000
Social Security No: n/a
Title: Treasurer
Percent Ownership: zero
Ending Date:

PA 15241
FEIN:
Title Effective Date: 11/01/1999
Ownership Effective Date:

Name: Karl T. Skrypak
Address: 1800 Washington Rd.
Pittsburgh
Telephone: 412-831-4000
Social Security No: 173-40-7443
Title: Secretary
Percent Ownership: zero
Ending Date:

PA 15241
FEIN:
Title Effective Date: 09/22/1998
Ownership Effective Date:

Name: Ronald E. Smith
Address: 1800 Washington Rd.
Pittsburgh
Telephone: 412-831-4000
Social Security No: 503-52-8341
Title: Director
Percent Ownership: zero
Ending Date:

PA 15241
FEIN:
Title Effective Date: 09/22/1998
Ownership Effective Date:

18-Mar-03

Officers, Directors, and Stockholders of Helvetia Coal Company

| | | | |
|----------------------------|--|----------------------------------|------------|
| Name: | Rochester & Pittsburgh Coal Company | | |
| Address: | 1800 Washington Road | | |
| | Pittsburgh | PA | 15241 |
| Telephone: | 412/831-4000 | | |
| Social Security No: | | FEIN: | 25-0761480 |
| Title: | Sole shareholder | Title Effective Date: | 04/07/1966 |
| Percent Ownership: | 100% | Ownership Effective Date: | 04/07/1966 |
| Ending Date: | | | |

| | | | |
|----------------------------|----------------------|----------------------------------|------------|
| Name: | Gary J. Bench | | |
| Address: | 1800 Washington Road | | |
| | Pittsburgh | PA | 15241 |
| Telephone: | 412-831-4000 | | |
| Social Security No: | 187-48-7192 | FEIN: | |
| Title: | Assistant Secretary | Title Effective Date: | 07/01/2001 |
| Percent Ownership: | zero | Ownership Effective Date: | |
| Ending Date: | | | |

| | | | |
|----------------------------|------------------------------|----------------------------------|------------|
| Name: | Rowland H. Burns, Jr. | | |
| Address: | 1800 Washington Road | | |
| | Pittsburgh | PA | 15241 |
| Telephone: | 412/831-4000 | | |
| Social Security No: | n/a | FEIN: | |
| Title: | Secretary | Title Effective Date: | 09/22/1998 |
| Percent Ownership: | zero | Ownership Effective Date: | |
| Ending Date: | | | |

| | | | |
|----------------------------|------------------------|----------------------------------|------------|
| Name: | J. Brett Harvey | | |
| Address: | 1800 Washington Road | | |
| | Pittsburgh | PA | 15241 |
| Telephone: | 412/831-4000 | | |
| Social Security No: | n/a | FEIN: | |
| Title: | Director | Title Effective Date: | 09/22/1998 |
| Percent Ownership: | zero | Ownership Effective Date: | |
| Ending Date: | | | |

| | | | |
|----------------------------|-----------------------|----------------------------------|------------|
| Name: | Peter B. Lilly | | |
| Address: | 1800 Washington Road | | |
| | Pittsburgh | PA | 15241 |
| Telephone: | 412-831-4000 | | |
| Social Security No: | n/a | FEIN: | |
| Title: | Director | Title Effective Date: | 11/01/2002 |
| Percent Ownership: | zero | Ownership Effective Date: | |
| Ending Date: | | | |

| | | | |
|----------------------------|-----------------------|----------------------------------|------------|
| Name: | Peter B. Lilly | | |
| Address: | 1800 Washington Road | | |
| | Pittsburgh | PA | 15241 |
| Telephone: | 412-831-4000 | | |
| Social Security No: | n/a | FEIN: | |
| Title: | President | Title Effective Date: | 11/01/2002 |
| Percent Ownership: | zero | Ownership Effective Date: | |
| Ending Date: | | | |

18-Mar-03

**Officers, Directors, and Stockholders of
Helvetia Coal Company**

Name: **William J. Lyons**
Address: 1800 Washington Road
Pittsburgh PA 15241
Telephone: 412/831-4000
Social Security No: n/a FEIN:
Title: Vice President Title Effective Date: 08/02/2002
Percent Ownership: zero Ownership Effective Date:
Ending Date:

Name: **William J. Lyons**
Address: 1800 Washington Road
Pittsburgh PA 15241
Telephone: (412) 831-4000
Social Security No: n/a FEIN:
Title: Director Title Effective Date: 07/10/2002
Percent Ownership: zero Ownership Effective Date:
Ending Date:

Name: **John M. Reilly**
Address: 1800 Washington Road
Pittsburgh PA 15241
Telephone: 412/831-4000
Social Security No: n/a FEIN:
Title: Treasurer Title Effective Date: 11/01/1999
Percent Ownership: zero Ownership Effective Date:
Ending Date:

18-Mar-03

**Officers, Directors, and Stockholders of
IC Coal, Inc.**

Name: CONSOL Energy Inc.
Address: 1800 Washington Road
 Pittsburgh PA 15241
Telephone: 412/831-4000
Social Security No: FEIN: 51-0337383
Title: Sole Shareholder **Title Effective Date:** 01/01/2001
Percent Ownership: 100% **Ownership Effective Date:** 1/1/2001
Ending Date:

Name: Gary J. Bench
Address: 1800 Washington Road
 Pittsburgh PA 15241
Telephone: 412-831-4000
Social Security No: 187-48-7192 **FEIN:**
Title: Assistant Secretary **Title Effective Date:** 07/01/2001
Percent Ownership: zero **Ownership Effective Date:**
Ending Date:

Name: Danny L. Fassio
Address: 1800 Washington Road
 Pittsburgh PA 15241
Telephone: 412/831-4000
Social Security No: 182-38-2744 **FEIN:**
Title: Director **Title Effective Date:** 09/01/1997
Percent Ownership: zero **Ownership Effective Date:**
Ending Date:

Name: Danny L. Fassio
Address: 1800 Washington Road
 Pittsburgh PA 15241
Telephone: 412/831-4000
Social Security No: 182-38-2744 **FEIN:**
Title: VP; Secretary **Title Effective Date:** 03/01/1994
Percent Ownership: zero **Ownership Effective Date:**
Ending Date:

Name: J. Brett Harvey
Address: 1800 Washington Road
 Pittsburgh PA 15241
Telephone: 412/831-4000
Social Security No: n/a **FEIN:**
Title: Director **Title Effective Date:** 11/01/1998
Percent Ownership: zero **Ownership Effective Date:**
Ending Date:

Name: Christoph Koether
Address: 1800 Washington Road
 Pittsburgh PA 15241
Telephone: 412/831-4000
Social Security No: n/a **FEIN:**
Title: Director **Title Effective Date:** 07/10/2002
Percent Ownership: zero **Ownership Effective Date:**
Ending Date:

**Officers, Directors, and Stockholders of
IC Coal, Inc.**

18-Mar-03

Name: William J. Lyons
Address: 1800 Washington Road
Pittsburgh
Telephone: 412/831-4000
Social Security No: n/a
Title: VP; Controller
Percent Ownership: zero
Ending Date:

PA 15241
FEIN:
Title Effective Date: 01/01/1995
Ownership Effective Date:

Name: John M. Reilly
Address: 1800 Washington Road
Pittsburgh
Telephone: 412/831-4000
Social Security No: n/a
Title: Treasurer
Percent Ownership: zero
Ending Date:

PA 15241
FEIN:
Title Effective Date: 11/01/1999
Ownership Effective Date:

Name: Ronald E. Smith
Address: 1800 Washington Road
Pittsburgh
Telephone: 412/831-4000
Social Security No: n/a
Title: President
Percent Ownership: zero
Ending Date:

PA 15241
FEIN:
Title Effective Date: 08/02/2002
Ownership Effective Date:

**Officers, Directors, and Stockholders of
Island Creek Coal Company**

Name: IC Coal, Inc.
Address: 1800 Washington Road
Pittsburgh PA 15241
Telephone: 412/831-4000
Social Security No: FEIN: 95-2917408
Title: sole shareholder Title Effective Date: 03/31/2000
Percent Ownership: 100% Ownership Effective Date: 3/31/2000
Ending Date:

Name: Gary J. Bench
Address: 1800 Washington Road
Pittsburgh PA 15241
Telephone: 412-831-4000
Social Security No: 187-48-7192 FEIN:
Title: Assistant Secretary Title Effective Date: 07/01/2001
Percent Ownership: zero Ownership Effective Date:
Ending Date:

Name: Barry D. Dangerfield
Address: 1800 Washington Road
Pittsburgh PA 15241
Telephone: 412/831-4000
Social Security No: n/a FEIN:
Title: Vice President Title Effective Date: 08/01/1996
Percent Ownership: zero Ownership Effective Date:
Ending Date:

Name: Danny L. Fassio
Address: 1800 Washington Road
Pittsburgh PA 15241
Telephone: 412/831-4000
Social Security No: 182-38-2744 FEIN:
Title: Director Title Effective Date: 09/01/1997
Percent Ownership: zero Ownership Effective Date:
Ending Date:

Name: J. Brett Harvey
Address: 1800 Washington Road
Pittsburgh PA 15241
Telephone: 412/831-4000
Social Security No: n/a FEIN:
Title: Director Title Effective Date: 08/31/1998
Percent Ownership: zero Ownership Effective Date:
Ending Date:

Name: Peter B. Lilly
Address: 1800 Washington Road
Pittsburgh PA 15241
Telephone: 412-831-4000
Social Security No: n/a FEIN:
Title: Director Title Effective Date: 11/01/2002
Percent Ownership: zero Ownership Effective Date:
Ending Date:

18-Mar-03

**Officers, Directors, and Stockholders of
Island Creek Coal Company**

Name: Peter B. Lilly
Address: 1800 Washington Road
Pittsburgh PA 15241
Telephone: 412-831-4000
Social Security No: n/a
Title: President
Percent Ownership: zero
Ending Date:

FEIN:
Title Effective Date: 11/01/2002
Ownership Effective Date:

Name: John M. Reilly
Address: 1800 Washington Road
Pittsburgh PA 15241
Telephone: 412/831-4000
Social Security No: n/a
Title: Treasurer
Percent Ownership: zero
Ending Date:

FEIN:
Title Effective Date: 07/01/1993
Ownership Effective Date:

Name: Karl T. Skrypak
Address: 1800 Washington Rd.
Pittsburgh PA 15241
Telephone: 412/831-4000
Social Security No: 173-40-7443
Title: Secretary
Percent Ownership: zero
Ending Date:

FEIN:
Title Effective Date: 03/01/2002
Ownership Effective Date:

**Officers, Directors, and Stockholders of
Jeffco Coal Company**

18-Mar-03

Name: Rochester & Pittsburgh Coal Company
Address: 1800 Washington Road
 Pittsburgh PA 15241
Telephone: 412/831-4000
Social Security No: FEIN: 25-0761480
Title: Sole shareholder **Title Effective Date:** 06/01/1980
Percent Ownership: 100% **Ownership Effective Date:** 6/1/1980
Ending Date:

Name: Gary J. Bench
Address: 1800 Washington Road
 Pittsburgh PA 15241
Telephone: 412-831-4000
Social Security No: 187-48-7192 **FEIN:**
Title: Assistant Secretary **Title Effective Date:** 07/01/2001
Percent Ownership: zero **Ownership Effective Date:**
Ending Date:

Name: Danny L. Fassio
Address: 1800 Washington Road
 Pittsburgh PA 15241
Telephone: 412/831-4000
Social Security No: 182-38-2744 **FEIN:**
Title: Dir., VP., Secretary **Title Effective Date:** 09/22/1998
Percent Ownership: zero **Ownership Effective Date:**
Ending Date:

Name: J. Brett Harvey
Address: 1800 Washington Road
 Pittsburgh PA 15241
Telephone: 412/831-4000
Social Security No: n/a **FEIN:**
Title: Director **Title Effective Date:** 09/22/1998
Percent Ownership: zero **Ownership Effective Date:**
Ending Date:

Name: Marshall W. Hunt
Address: 1800 Washington Road
 Pittsburgh PA 15241
Telephone: 412/831-4000
Social Security No: n/a **FEIN:**
Title: President **Title Effective Date:** 11/01/1999
Percent Ownership: zero **Ownership Effective Date:**
Ending Date:

Name: William J. Lyons
Address: 1800 Washington Road
 Pittsburgh PA 15241
Telephone: 412/831-4000
Social Security No: n/a **FEIN:**
Title: V.P., Controller **Title Effective Date:** 09/22/1998
Percent Ownership: zero **Ownership Effective Date:**
Ending Date:

18-Mar-03

**Officers, Directors, and Stockholders of
Jeffco Coal Company**

Name: John M. Reilly
Address: 1800 Washington Road
Pittsburgh
Telephone: 412/831-4000
Social Security No: n/a
Title: Treasurer
Percent Ownership: zero
Ending Date:

PA 15241
FEIN:
Title Effective Date: 11/01/1999
Ownership Effective Date:

Name: Ronald E. Smith
Address: 1800 Washington Road
Pittsburgh
Telephone: 412/831-4000
Social Security No: 503-52-8341
Title: Director
Percent Ownership: zero
Ending Date:

PA 15241
FEIN:
Title Effective Date: 11/01/1999
Ownership Effective Date:

18-Mar-03

Officers, Directors, and Stockholders of Keystone Coal Mining Corporation

Name: Rochester & Pittsburgh Coal Company
Address: 1800 Washington Rd
 Pittsburgh PA 15241
Telephone: 412-831-4000
Social Security No: FEIN: 25-0761480
Title: Sole shareholder **Title Effective Date:** 08/08/1977
Percent Ownership: 100% **Ownership Effective Date:** 08/08/1977
Ending Date:

Name: Gary J. Bench
Address: 1800 Washington Road
 Pittsburgh PA 15241
Telephone: 412-831-4000
Social Security No: 187-48-7192 **FEIN:**
Title: Assistant Secretary **Title Effective Date:** 07/01/2001
Percent Ownership: zero **Ownership Effective Date:**
Ending Date:

Name: Rowland H. Burns, Jr.
Address: 1800 Washington Rd.
 Pittsburgh PA 15241
Telephone: 412-831-4000
Social Security No: n/a **FEIN:**
Title: Secretary **Title Effective Date:** 09/22/1998
Percent Ownership: zero **Ownership Effective Date:**
Ending Date:

Name: J. Brett Harvey
Address: 1800 Washington Rd.
 Pittsburgh PA 15241
Telephone: 412-831-4000
Social Security No: n/a **FEIN:**
Title: Director **Title Effective Date:** 09/22/1998
Percent Ownership: zero **Ownership Effective Date:**
Ending Date:

Name: Christoph Koether
Address: 1800 Washington Rd.
 Pittsburgh PA 15241
Telephone: 412-831-4000
Social Security No: n/a **FEIN:**
Title: Director **Title Effective Date:** 07/10/2002
Percent Ownership: zero **Ownership Effective Date:**
Ending Date:

Name: Peter B. Lilly
Address: 1800 Washington Road
 Pittsburgh PA 15241
Telephone: 412-831-4000
Social Security No: n/a **FEIN:**
Title: Director **Title Effective Date:** 11/01/2002
Percent Ownership: zero **Ownership Effective Date:**
Ending Date:

18-Mar-03

Officers, Directors, and Stockholders of Keystone Coal Mining Corporation

Name: Peter B. Lilly
Address: 1800 Washington Road
Pittsburgh
Telephone: 412-831-4000
Social Security No: n/a
Title: President
Percent Ownership: zero
Ending Date:

PA 15241
FEIN:
Title Effective Date: 11/01/2002
Ownership Effective Date:

Name: John M. Reilly
Address: 1800 Washington Rd.
Pittsburgh
Telephone: 412-831-4000
Social Security No: n/a
Title: Treasurer
Percent Ownership: zero
Ending Date:

PA 15241
FEIN:
Title Effective Date: 11/01/1999
Ownership Effective Date:

**Officers, Directors, and Stockholders of
Laurel Run Mining Company**

18-Mar-03

Name: **Island Creek Coal Company**
 Address: 1800 Washington Road
 Pittsburgh PA 15241
 Telephone: 412/831-4000
 Social Security No: FEIN: 55-0479426
 Title: sole shareholder Title Effective Date:
 Percent Ownership: 100% Ownership Effective Date: 07/01/1993
 Ending Date:

Name: **Gary J. Bench**
 Address: 1800 Washington Road
 Pittsburgh PA 15241
 Telephone: 412-831-4000
 Social Security No: 187-48-7192 FEIN:
 Title: Assistant Secretary Title Effective Date: 07/01/2001
 Percent Ownership: zero Ownership Effective Date:
 Ending Date:

Name: **Barry D. Dangerfield**
 Address: 1800 Washington Road
 Pittsburgh PA 15241
 Telephone: 412/831-4000
 Social Security No: n/a FEIN:
 Title: Director; V.P. Title Effective Date: 11/01/1999
 Percent Ownership: zero Ownership Effective Date:
 Ending Date:

Name: **J. Brett Harvey**
 Address: 1800 Washington Road
 Pittsburgh PA 15241
 Telephone: 412/831-4000
 Social Security No: n/a FEIN:
 Title: Director Title Effective Date: 08/31/1998
 Percent Ownership: zero Ownership Effective Date:
 Ending Date:

Name: **Christoph Koether**
 Address: 1800 Washington Road
 Pittsburgh PA 15241
 Telephone: 412/831-4000
 Social Security No: n/a FEIN:
 Title: Director Title Effective Date: 11/30/2001
 Percent Ownership: zero Ownership Effective Date:
 Ending Date:

Name: **William J. Lyons**
 Address: 1800 Washington Road
 Pittsburgh PA 15241
 Telephone: 412/831-4000
 Social Security No: n/a FEIN:
 Title: Controller Title Effective Date: 07/01/1993
 Percent Ownership: zero Ownership Effective Date:
 Ending Date:

Officers, Directors, and Stockholders of
Laurel Run Mining Company

Name: John M. Reilly
Address: 1800 Washington Road
Pittsburgh PA 15241
Telephone: 412/831-4000
Social Security No: n/a FEIN:
Title: Treasurer Title Effective Date: 07/01/1993
Percent Ownership: zero Ownership Effective Date:
Ending Date:

Name: Ronald E. Smith
Address: 1800 Washington Road
Pittsburgh PA 15241
Telephone: 412/831-4000
Social Security No: 503-52-8341 FEIN:
Title: President Title Effective Date: 11/01/1999
Percent Ownership: zero Ownership Effective Date:
Ending Date:

Name: Ronald E. Smith
Address: 1800 Washington Road
Pittsburgh PA 15241
Telephone: 412/831-4000
Social Security No: 503-52-8341 FEIN:
Title: Director Title Effective Date: 07/01/1993
Percent Ownership: zero Ownership Effective Date:
Ending Date:

Name: Robert M. Vukas
Address: 1800 Washington Road
Pittsburgh PA 15241
Telephone: 412/831-4000
Social Security No: 235-80-9868 FEIN:
Title: Secretary Title Effective Date: 07/01/1994
Percent Ownership: zero Ownership Effective Date:
Ending Date:

**Officers, Directors, and Stockholders of
McElroy Coal Company**

18-Mar-03

Name: **Consolidation Coal Company**
 Address: 1800 Washington Rd.
 Pittsburgh PA 15241
 Telephone: 412/831-4000
 Social Security No: FEIN: 13-2566594
 Title: Sole Shareholder Title Effective Date: 06/30/1987
 Percent Ownership: 100% Ownership Effective Date: 06/30/1987
 Ending Date:

Name: **Gary J. Bench**
 Address: 1800 Washington Road
 Pittsburgh PA 15241
 Telephone: 412-831-4000
 Social Security No: 187-48-7192 FEIN:
 Title: Assistant Secretary Title Effective Date: 07/01/2001
 Percent Ownership: zero Ownership Effective Date:
 Ending Date:

Name: **Danny L. Fassio**
 Address: 1800 Washington Rd.
 Pittsburgh PA 15241
 Telephone: 412/831-4000
 Social Security No: 182-38-2744 FEIN:
 Title: Director Title Effective Date: 09/01/1997
 Percent Ownership: zero Ownership Effective Date:
 Ending Date:

Name: **J. Brett Harvey**
 Address: 1800 Washington Rd.
 Pittsburgh PA 15241
 Telephone: 412/831-4000
 Social Security No: n/a FEIN:
 Title: Director Title Effective Date: 08/31/1998
 Percent Ownership: zero Ownership Effective Date:
 Ending Date:

Name: **Peter B. Lilly**
 Address: 1800 Washington Road
 Pittsburgh PA 15241
 Telephone: 412-831-4000
 Social Security No: n/a FEIN:
 Title: President Title Effective Date: 11/01/2002
 Percent Ownership: zero Ownership Effective Date:
 Ending Date:

Name: **Peter B. Lilly**
 Address: 1800 Washington Road
 Pittsburgh PA 15241
 Telephone: 412-831-4000
 Social Security No: n/a FEIN:
 Title: Director Title Effective Date: 11/01/2002
 Percent Ownership: zero Ownership Effective Date:
 Ending Date:

18-Mar-03

**Officers, Directors, and Stockholders of
McElroy Coal Company**

Name: James J. McCaffrey
Address: 172 Route 519
Eighty Four
Telephone: 724-206-2005
Social Security No: n/a
Title: Vice President
Percent Ownership: zero
Ending Date:

PA 15330
FEIN:
Title Effective Date: 03/01/2002
Ownership Effective Date:

Name: John M. Reilly
Address: 1800 Washington Rd.
Pittsburgh
Telephone: 412/831-4000
Social Security No: n/a
Title: Treasurer
Percent Ownership: zero
Ending Date:

PA 15241
FEIN:
Title Effective Date: 09/01/1998
Ownership Effective Date:

Name: Karl T. Skrypak
Address: 1800 Washington Rd.
Pittsburgh
Telephone: 412/831-4000
Social Security No: 173-40-7443
Title: Secretary
Percent Ownership: zero
Ending Date:

PA 15241
FEIN:
Title Effective Date: 05/01/1993
Ownership Effective Date:

**Officers, Directors, and Stockholders of
New Century Holdings, Inc.**

18-Mar-03

Name: Rochester & Pittsburgh Coal Company
Address: 1800 Washington Road
 Pittsburgh PA 15241
Telephone: 412/831-4000
Social Security No: FEIN: 25-0761480
Title: Sole shareholder **Title Effective Date:** 11/20/1992
Percent Ownership: 100% **Ownership Effective Date:** 11/20/1992
Ending Date:

Name: Gary J. Bench
Address: 1800 Washington Road
 Pittsburgh PA 15241
Telephone: 412-831-4000
Social Security No: 187-48-7192 **FEIN:**
Title: Assistant Secretary **Title Effective Date:** 07/01/2001
Percent Ownership: zero **Ownership Effective Date:**
Ending Date:

Name: Danny L. Fassio
Address: 1800 Washington Road
 Pittsburgh PA 15241
Telephone: 412/831-4000
Social Security No: 182-38-2744 **FEIN:**
Title: Director, V.P., Secretary **Title Effective Date:** 09/22/1998
Percent Ownership: zero **Ownership Effective Date:**
Ending Date:

Name: John P. Garniewski
Address: 1800 Washington Road
 Pittsburgh PA 15241
Telephone: 412/831-4000
Social Security No: n/a **FEIN:**
Title: Ass't Secretary **Title Effective Date:** 11/01/1999
Percent Ownership: zero **Ownership Effective Date:**
Ending Date:

Name: J. Brett Harvey
Address: 1800 Washington Road
 Pittsburgh PA 15241
Telephone: 412/831-4000
Social Security No: n/a **FEIN:**
Title: Director **Title Effective Date:** 09/22/1998
Percent Ownership: zero **Ownership Effective Date:**
Ending Date:

Name: Christoph Koether
Address: 1800 Washington Road
 Pittsburgh PA 15241
Telephone: 412/831-4000
Social Security No: n/a **FEIN:**
Title: President **Title Effective Date:** 11/30/2001
Percent Ownership: zero **Ownership Effective Date:**
Ending Date:

18-Mar-03

**Officers, Directors, and Stockholders of
New Century Holdings, Inc.**

Name: Christoph Koether
Address: 1800 Washington Road
Pittsburgh PA 15241
Telephone: 412/831-4000
Social Security No: n/a
Title: Director
Percent Ownership: zero
Ending Date:

FEIN:
Title Effective Date: 11/30/2001
Ownership Effective Date:

Name: William J. Lyons
Address: 1800 Washington Road
Pittsburgh PA 15241
Telephone: 412/831-4000
Social Security No: n/a
Title: Director
Percent Ownership: zero
Ending Date:

FEIN:
Title Effective Date: 09/30/2000
Ownership Effective Date:

Name: William J. Lyons
Address: 1800 Washington Road
Pittsburgh PA 15241
Telephone: 412/831-4000
Social Security No: n/a
Title: V.P., Controller
Percent Ownership: zero
Ending Date:

FEIN:
Title Effective Date: 09/22/1998
Ownership Effective Date:

Name: John M. Reilly
Address: 1800 Washington Road
Pittsburgh PA 15241
Telephone: 412/831-4000
Social Security No: n/a
Title: Treasurer
Percent Ownership: zero
Ending Date:

FEIN:
Title Effective Date: 11/01/1999
Ownership Effective Date:

**Officers, Directors, and Stockholders of
Quarto Mining Company**

18-Mar-03

Name: **Consolidation Coal Company**
 Address: 1800 Washington Rd.
 Pittsburgh PA 15241
 Telephone: 412/831-4000
 Social Security No: FEIN: 13-2566594
 Title: Sole Shareholder Title Effective Date: 04/10/1987
 Percent Ownership: 100% Ownership Effective Date: 04/10/1987
 Ending Date:

Name: **Gary J. Bench**
 Address: 1800 Washington Road
 Pittsburgh PA 15241
 Telephone: 412-831-4000
 Social Security No: 187-48-7192 FEIN:
 Title: Assistant Secretary Title Effective Date: 07/01/2001
 Percent Ownership: zero Ownership Effective Date:
 Ending Date:

Name: **J. Brett Harvey**
 Address: 1800 Washington Road
 Pittsburgh PA 15241
 Telephone: 412/831-4000
 Social Security No: n/a FEIN:
 Title: Director Title Effective Date: 08/31/1998
 Percent Ownership: zero Ownership Effective Date:
 Ending Date:

Name: **Christoph Koether**
 Address: 1800 Washington Road
 Pittsburgh PA 15241
 Telephone: 412/831-4000
 Social Security No: n/a FEIN:
 Title: Director Title Effective Date: 07/10/2002
 Percent Ownership: zero Ownership Effective Date:
 Ending Date:

Name: **Peter B. Lilly**
 Address: 1800 Washington Road
 Pittsburgh PA 15241
 Telephone: 412-831-4000
 Social Security No: n/a FEIN:
 Title: President Title Effective Date: 11/01/2002
 Percent Ownership: zero Ownership Effective Date:
 Ending Date:

Name: **Peter B. Lilly**
 Address: 1800 Washington Road
 Pittsburgh PA 15241
 Telephone: 412-831-4000
 Social Security No: n/a FEIN:
 Title: Director Title Effective Date: 11/01/2002
 Percent Ownership: zero Ownership Effective Date:
 Ending Date:

18-Mar-03

**Officers, Directors, and Stockholders of
Quarto Mining Company**

Name: William J. Lyons
Address: 1800 Washington Road
Pittsburgh PA 15241
Telephone: 412/831-4000
Social Security No: n/a **FEIN:**
Title: Vice President and Controller **Title Effective Date:** 01/01/1995
Percent Ownership: zero **Ownership Effective Date:**
Ending Date:

Name: John M. Reilly
Address: 1800 Washington Road
Pittsburgh PA 15241
Telephone: 412/831-4000
Social Security No: n/a **FEIN:**
Title: Treasurer **Title Effective Date:** 11/01/1999
Percent Ownership: zero **Ownership Effective Date:**
Ending Date:

Name: Karl T. Skrypak
Address: 1800 Washington Rd.
Pittsburgh PA 15241
Telephone: 412/831-4000
Social Security No: 173-40-7443 **FEIN:**
Title: Secretary **Title Effective Date:** 06/01/1992
Percent Ownership: zero **Ownership Effective Date:**
Ending Date:

18-Mar-03

Officers, Directors, and Stockholders of Reserve Coal Properties Company

| | | | |
|----------------------------|-----------------------------------|----------------------------------|------------|
| Name: | CONSOL Energy Inc. | | |
| Address: | 1800 Washington Rd. Pittsburgh | PA | 15241 |
| Telephone: | 412/831-4000 | | |
| Social Security No: | | FEIN: | 51-0337383 |
| Title: | Sole Shareholder | Title Effective Date: | 01/01/2001 |
| Percent Ownership: | 100% | Ownership Effective Date: | 01/01/1993 |
| Ending Date: | | | |

| | | | |
|----------------------------|------------------------------------|----------------------------------|------------|
| Name: | Gary J. Bench | | |
| Address: | 1800 Washington Road Pittsburgh | PA | 15241 |
| Telephone: | 412-831-4000 | | |
| Social Security No: | 187-48-7192 | FEIN: | |
| Title: | Assistant Secretary | Title Effective Date: | 07/01/2001 |
| Percent Ownership: | zero | Ownership Effective Date: | |
| Ending Date: | | | |

| | | | |
|----------------------------|------------------------------------|----------------------------------|------------|
| Name: | J. Brett Harvey | | |
| Address: | 1800 Washington Road Pittsburgh | PA | 15241 |
| Telephone: | 412/831-4000 | | |
| Social Security No: | n/a | FEIN: | |
| Title: | Director | Title Effective Date: | 11/01/1999 |
| Percent Ownership: | zero | Ownership Effective Date: | |
| Ending Date: | | | |

| | | | |
|----------------------------|------------------------------------|----------------------------------|------------|
| Name: | Marshall W. Hunt | | |
| Address: | 1800 Washington Road Pittsburgh | PA | 15241 |
| Telephone: | (412) 831-4000 | | |
| Social Security No: | n/a | FEIN: | |
| Title: | Director | Title Effective Date: | 11/01/1999 |
| Percent Ownership: | zero | Ownership Effective Date: | |
| Ending Date: | | | |

| | | | |
|----------------------------|-----------------------------------|----------------------------------|------------|
| Name: | Marshall W. Hunt | | |
| Address: | 1800 Washington Rd. Pittsburgh | PA | 15241 |
| Telephone: | 412/831-4000 | | |
| Social Security No: | n/a | FEIN: | |
| Title: | President | Title Effective Date: | 05/01/1993 |
| Percent Ownership: | zero | Ownership Effective Date: | |
| Ending Date: | | | |

| | | | |
|----------------------------|-----------------------------------|----------------------------------|------------|
| Name: | John W. Schlueter | | |
| Address: | 1800 Washington Rd. Pittsburgh | PA | 15241 |
| Telephone: | 412/831-4000 | | |
| Social Security No: | n/a | FEIN: | |
| Title: | Director | Title Effective Date: | 05/29/1992 |
| Percent Ownership: | zero | Ownership Effective Date: | |
| Ending Date: | | | |

Officers, Directors, and Stockholders of
Reserve Coal Properties Company

Name: John W. Schlueter
Address: 1800 Washington Rd.
Pittsburgh
Telephone: 412/831-4000
Social Security No: n/a
Title: Vice President
Percent Ownership: zero
Ending Date:

PA 15241
FEIN:
Title Effective Date: 02/15/1989
Ownership Effective Date:

Name: Samuel P. Skeen
Address: 1800 Washington Rd.
Pittsburgh
Telephone: 412/831-4000
Social Security No: 236-76-7594
Title: Secretary
Percent Ownership: zero
Ending Date:

PA 15241
FEIN:
Title Effective Date: 08/24/1988
Ownership Effective Date:

Name: William D. Stanhagen
Address: 1800 Washington Road
Pittsburgh
Telephone: (412) 831-4000
Social Security No: n/a
Title: Vice President
Percent Ownership: zero
Ending Date:

PA 15241
FEIN:
Title Effective Date: 01/01/1995
Ownership Effective Date:

**Officers, Directors, and Stockholders of
Rheinbraun AG**

18-Mar-03

Name: **Rudolf Bertram**
 Address: Stuttgartweg 2
 50935 Köln (Lindenthal), Germany
 Telephone: 011 49 221-4801
 Social Security No: n/a
 Title: Member of Aufsichtsrat
 Percent Ownership: zero
 Ending Date:

FEIN:
 Title Effective Date: 10/01/2000
 Ownership Effective Date:

Name: **Dietrich Böcker**
 Address: Stuttgartweg 2
 50935 Köln (Lindenthal), Germany
 Telephone: 011 49 221-4801
 Social Security No: n/a
 Title: Member of Vorstand
 Percent Ownership: zero
 Ending Date:

FEIN:
 Title Effective Date: 01/01/1992
 Ownership Effective Date:

Name: **Walther Boecker**
 Address: Stuttgartweg 2
 50935 Köln (Lindenthal), Germany
 Telephone: 011 49 221-4801
 Social Security No: n/a
 Title: Member of Aufsichtsrat
 Percent Ownership: zero
 Ending Date:

FEIN:
 Title Effective Date: 10/01/2000
 Ownership Effective Date:

Name: **Berthold A. Bonekamp**
 Address: Stuttgartweg 2
 50935 Köln (Lindenthal), Germany
 Telephone: 011 49 221-4801
 Social Security No: n/a
 Title: Chairman of Vorstand
 Percent Ownership: n/a
 Ending Date:

FEIN:
 Title Effective Date: 10/19/1999
 Ownership Effective Date:

Name: **Bernd Jobst Breloer**
 Address: Stuttgartweg 2
 50935 Köln (Lindenthal), Germany
 Telephone: 011 49 221-4801
 Social Security No: n/a
 Title: Member of Vorstand
 Percent Ownership: zero
 Ending Date:

FEIN:
 Title Effective Date: 01/01/1993
 Ownership Effective Date:

Name: **Wilfried Eßer**
 Address: Stuttgartweg 2
 50935 Köln (Lindenthal), Germany
 Telephone: 011 49 221-4801
 Social Security No: n/a
 Title: Member of Aufsichtsrat
 Percent Ownership: zero
 Ending Date:

FEIN:
 Title Effective Date: 09/02/1998
 Ownership Effective Date:

**Officers, Directors, and Stockholders of
Rheinbraun AG**

18-Mar-03

Name: Dieter Faust
Address: Stuttgenweg 2
50935 Köln (Lindenthal), Germany
Telephone: 011 49 221-4801
Social Security No: n/a
Title: Member of Aufsichtsrat
Percent Ownership: zero
Ending Date:

FEIN:
Title Effective Date: 06/27/2002
Ownership Effective Date:

Name: Horst Grosspeter
Address: Stuttgenweg 2
50935 Köln (Lindenthal), Germany
Telephone: 011 49 221-4801
Social Security No: n/a
Title: Member of Aufsichtsrat
Percent Ownership: zero
Ending Date:

FEIN:
Title Effective Date: 10/01/2000
Ownership Effective Date:

Name: Norbert Haak
Address: Stuttgenweg 2
50935 Köln (Lindenthal), Germany
Telephone: 011 49 221-4801
Social Security No: n/a
Title: Member of Aufsichtsrat
Percent Ownership: zero
Ending Date:

FEIN:
Title Effective Date: 01/18/2001
Ownership Effective Date:

Name: Manfred Holz
Address: Stuttgenweg 2
50935 Köln (Lindenthal), Germany
Telephone: 011 49 221-4801
Social Security No: n/a
Title: Member of Aufsichtsrat
Percent Ownership: zero
Ending Date:

FEIN:
Title Effective Date: 09/05/2000
Ownership Effective Date:

Name: Hans Peter Lafos
Address: Stuttgenweg 2
50935 Köln (Lindenthal), Germany
Telephone: 011 49 221-4801
Social Security No: n/a
Title: Member of Aufsichtsrat
Percent Ownership: zero
Ending Date:

FEIN:
Title Effective Date: 06/27/2002
Ownership Effective Date:

Name: Johannes Lambertz
Address: Stuttgenweg 2
50935 Köln (Lindenthal), Germany
Telephone: 011 49 221-4801
Social Security No: n/a
Title: Member of Vorstand
Percent Ownership: zero
Ending Date:

FEIN:
Title Effective Date: 04/01/2002
Ownership Effective Date:

**Officers, Directors, and Stockholders of
Rheinbraun AG**

18-Mar-03

Name: **Hans-Detlef Loosz**
 Address: **Stuttgenweg 2**
 50935 Köln (Lindenthal), Germany
 Telephone: 011 49 221-4801
 Social Security No: n/a
 Title: **Member of Aufsichtsrat**
 Percent Ownership: zero
 Ending Date:

FEIN:
 Title Effective Date: 06/27/2002
 Ownership Effective Date:

Name: **Gert Maichel**
 Address: **Stuttgenweg 2**
 50935 Köln (Lindenthal), Germany
 Telephone: 011 49 221-4801
 Social Security No: n/a
 Title: **Chairman of Aufsichtsrat**
 Percent Ownership: zero
 Ending Date:

FEIN:
 Title Effective Date: 10/01/2000
 Ownership Effective Date:

Name: **Carl Meulenbergh**
 Address: **Stuttgenweg 2**
 50935 Köln (Lindenthal), Germany
 Telephone: 011 49 221-4801
 Social Security No: n/a
 Title: **Member of Aufsichtsrat**
 Percent Ownership: zero
 Ending Date:

FEIN:
 Title Effective Date: 10/01/2000
 Ownership Effective Date:

Name: **Edgar Moron**
 Address: **Stuttgenweg 2**
 50935 Köln (Lindenthal), Germany
 Telephone: 011 49 221-4801
 Social Security No: n/a
 Title: **Member of Aufsichtsrat**
 Percent Ownership: zero
 Ending Date:

FEIN:
 Title Effective Date: 11/16/2000
 Ownership Effective Date:

Name: **Alfons Müller**
 Address: **Stuttgenweg 2**
 50935 Köln (Lindenthal), Germany
 Telephone: 011 49 221-4801
 Social Security No: n/a
 Title: **Member of Aufsichtsrat**
 Percent Ownership: zero
 Ending Date:

FEIN:
 Title Effective Date: 01/01/1992
 Ownership Effective Date:

Name: **Wilhelm Nölling**
 Address: **Stuttgenweg 2**
 50935 Köln (Lindenthal), Germany
 Telephone: 011 49 221-4801
 Social Security No: n/a
 Title: **Member of Aufsichtsrat**
 Percent Ownership: zero
 Ending Date:

FEIN:
 Title Effective Date: 01/01/1992
 Ownership Effective Date:

**Officers, Directors, and Stockholders of
Rheinbraun AG**

18-Mar-03

Name: Alfred Freiherr von Oppenheim
Address: Stuttgenweg 2
 50935 Köln (Lindenthal), Germany
Telephone: 011 49 221-4801
Social Security No: n/a
Title: Member of Aufsichtsrat
Percent Ownership: zero
Ending Date:

FEIN:
Title Effective Date: 01/01/1992
Ownership Effective Date:

Name: Dieter Patt
Address: Stuttgenweg 2
 50935 Köln (Lindenthal), Germany
Telephone: 011 49 221-4801
Social Security No: n/a
Title: Member of Aufsichtsrat
Percent Ownership: zero
Ending Date:

FEIN:
Title Effective Date: 10/01/2000
Ownership Effective Date:

Name: RWE AG
Address: Kruppstrasse 5
 45128 Essen, Germany
Telephone: 011 49 201-1850
Social Security No: n/a
Title: Sole Shareholder
Percent Ownership: 100%
Ending Date:

FEIN:
Title Effective Date: 01/01/1992
Ownership Effective Date:

Name: Fritz Schramma
Address: Stuttgenweg 2
 50935 Köln (Lindenthal), Germany
Telephone: 011 49 221-4801
Social Security No: n/a
Title: Member of Aufsichtsrat
Percent Ownership: zero
Ending Date:

FEIN:
Title Effective Date: 09/19/2001
Ownership Effective Date:

Name: Hermann-Josef Sester
Address: Stuttgenweg 2
 50935 Köln (Lindenthal), Germany
Telephone: 011 49 221-4801
Social Security No: n/a
Title: Member of Aufsichtsrat
Percent Ownership: zero
Ending Date:

FEIN:
Title Effective Date: 06/27/2002
Ownership Effective Date:

Name: Gerd Spaniol
Address: Stuttgenweg 2
 50935 Köln (Lindenthal), Germany
Telephone: 011 49 221-4801
Social Security No: n/a
Title: Member of Vorstand
Percent Ownership: zero
Ending Date:

FEIN:
Title Effective Date: 02/15/2001
Ownership Effective Date:

**Officers, Directors, and Stockholders of
Rheinbraun AG**

18-Mar-03

Name: Klaus-Dieter Südhofer
Address: Stuttgenweg 2
50935 Köln (Lindenthal), Germany
Telephone: 011 49 221-4801
Social Security No: n/a
Title: Member of Aufsichtsrat
Percent Ownership: zero
Ending Date:

FEIN:
Title Effective Date: 01/01/1992
Ownership Effective Date:

Name: Horst R. Wolf
Address: Stuttgenweg 2
50935 Köln (Lindenthal), Germany
Telephone: 011 49 221-4801
Social Security No: n/a
Title: Member of Aufsichtsrat
Percent Ownership: zero
Ending Date:

FEIN:
Title Effective Date: 10/01/2000
Ownership Effective Date:

Name: Jan Zilius
Address: Stuttgenweg 2
50935 Köln (Lindenthal), Germany
Telephone: 011 49 221-4801
Social Security No: n/a
Title: Member of Aufsichtsrat
Percent Ownership: zero
Ending Date:

FEIN:
Title Effective Date: 09/21/1998
Ownership Effective Date:

18-Mar-03

**Officers, Directors, and Stockholders of
Rheinbraun US GmbH**

Name: Achim Görtz
Address: Stuttgenweg 2
50935 Koln (Lindenthal), Germany
Telephone: 011 49 221-4801
Social Security No: n/a
Title: Geschäftsführer
Percent Ownership: zero
Ending Date: 01/01/2002

FEIN:
Title Effective Date: 01/01/2001
Ownership Effective Date:

Name: Rheinbraun AG
Address: Stuttgenweg 2
50935 Koln (Lindenthal), Germany
Telephone: 011 49 221-4801
Social Security No: n/a
Title: Sole Shareholder
Percent Ownership: 100%
Ending Date: 01/01/2002

FEIN:
Title Effective Date: 06/20/1995
Ownership Effective Date: 06/20/1995

Name: Rolf Zimmermann
Address: Stuttgenweg 2
50935 Koln (Lindenthal), Germany
Telephone: 011 49 221-4801
Social Security No: n/a
Title: Geschäftsführer
Percent Ownership: zero
Ending Date: 01/01/2002

FEIN:
Title Effective Date: 03/23/1994
Ownership Effective Date:

18-Mar-03

Officers, Directors, and Stockholders of Rochester & Pittsburgh Coal Company

Name: Consolidation Coal Company
Address: 1800 Washington Rd.
 Pittsburgh PA 15241
Telephone: 412-831-4000
Social Security No: FEIN: 13-2566594
Title: Sole shareholder **Title Effective Date:** 09/22/1998
Percent Ownership: 100% **Ownership Effective Date:** 09/22/1998
Ending Date:

Name: Gary J. Bench
Address: 1800 Washington Road
 Pittsburgh PA 15241
Telephone: 412-831-4000
Social Security No: 187-48-7192 **FEIN:**
Title: Assistant Secretary **Title Effective Date:** 07/01/2001
Percent Ownership: zero **Ownership Effective Date:**
Ending Date:

Name: Danny L. Fassio
Address: 1800 Washington Rd.
 Pittsburgh PA 15241
Telephone: 412-831-4000
Social Security No: 182-38-2744 **FEIN:**
Title: Director **Title Effective Date:** 11/01/1999
Percent Ownership: zero **Ownership Effective Date:**
Ending Date:

Name: Danny L. Fassio
Address: 1800 Washington Rd.
 Pittsburgh PA 15241
Telephone: 412-831-4000
Social Security No: 182-38-2744 **FEIN:**
Title: Vice President and Secretary **Title Effective Date:** 09/22/1998
Percent Ownership: zero **Ownership Effective Date:**
Ending Date:

Name: J. Brett Harvey
Address: 1800 Washington Rd.
 Pittsburgh PA 15241
Telephone: 412-831-4000
Social Security No: n/a **FEIN:**
Title: Director and President **Title Effective Date:** 09/22/1998
Percent Ownership: zero **Ownership Effective Date:**
Ending Date:

Name: Christoph Koether
Address: 1800 Washington Road
 Pittsburgh PA 15241
Telephone: 412/831-4000
Social Security No: n/a **FEIN:**
Title: Director **Title Effective Date:** 11/30/2001
Percent Ownership: zero **Ownership Effective Date:**
Ending Date:

18-Mar-03

**Officers, Directors, and Stockholders of
Rochester & Pittsburgh Coal Company**

Name: William J. Lyons
Address: 1800 Washington Rd.
Pittsburgh PA 15241
Telephone: 412-831-4000
Social Security No: n/a
Title: Vice President and Controller
Percent Ownership: zero
Ending Date:

FEIN:
Title Effective Date: 09/22/1998
Ownership Effective Date:

Name: John M. Reilly
Address: 1800 Washington Rd.
Pittsburgh PA 15241
Telephone: 412-831-4000
Social Security No: n/a
Title: Treasurer
Percent Ownership: zero
Ending Date:

FEIN:
Title Effective Date: 11/01/1999
Ownership Effective Date:

Name: Ronald E. Smith
Address: 1800 Washington Rd.
Pittsburgh PA 15241
Telephone: 412-831-4000
Social Security No: 503-52-8341
Title: Director
Percent Ownership: zero
Ending Date:

FEIN:
Title Effective Date: 11/01/1999
Ownership Effective Date:

Name: William D. Stanhagen
Address: 1800 Washington Rd.
Pittsburgh PA 15241
Telephone: 412-831-4000
Social Security No: n/a
Title: Vice President
Percent Ownership: zero
Ending Date:

FEIN:
Title Effective Date: 09/22/1998
Ownership Effective Date:

Officers, Directors, and Stockholders of

18-Mar-03

RWE AG

Name: Paul Achleitner
 Address: Kruppstrasse 5
 45128 Essen, Germany
 Telephone: 011 49 201-1850
 Social Security No: n/a
 Title: Member of Aufsichtsrat
 Percent Ownership: N/A
 Ending Date:

FEIN:
 Title Effective Date: 09/11/2000
 Ownership Effective Date:

Name: Carl-Ludwig von Boehm-Bezing
 Address: Kruppstrasse 5
 45128 Essen, Germany
 Telephone: 011 49 201-1850
 Social Security No: n/a
 Title: Member of Aufsichtsrat
 Percent Ownership: N/A
 Ending Date:

FEIN:
 Title Effective Date: 01/05/2001
 Ownership Effective Date:

Name: Franz Bsirske
 Address: Kruppstrasse 5
 45128 Essen, Germany
 Telephone: 011 49 201-1850
 Social Security No: n/a
 Title: Member of Aufsichtsrat
 Percent Ownership: N/A
 Ending Date:

FEIN:
 Title Effective Date: 01/09/2001
 Ownership Effective Date:

Name: Burkhard Drescher
 Address: Kruppstrasse 5
 45128 Essen, Germany
 Telephone: 011 49 201-1850
 Social Security No: n/a
 Title: Member of Aufsichtsrat
 Percent Ownership: N/A
 Ending Date:

FEIN:
 Title Effective Date: 01/05/2001
 Ownership Effective Date:

Name: Wilfried Eickenberg
 Address: Kruppstrasse 5
 45128 Essen, Germany
 Telephone: 011 49 201-1850
 Social Security No: n/a
 Title: Member of Aufsichtsrat
 Percent Ownership: N/A
 Ending Date:

FEIN:
 Title Effective Date: 11/08/2001
 Ownership Effective Date:

Name: Ralf Hiltenkamp
 Address: Kruppstrasse 5
 45128 Essen, Germany
 Telephone: 011 49 201-1850
 Social Security No: n/a
 Title: Member of Aufsichtsrat
 Percent Ownership: N/A
 Ending Date:

FEIN:
 Title Effective Date: 05/23/2001
 Ownership Effective Date:

Officers, Directors, and Stockholders of

18-Mar-03

RWE AG

Name: Heinz-Eberhard Holl
 Address: Kruppstrasse 5
 45128 Essen, Germany
 Telephone: 011 49 201-1850
 Social Security No: n/a
 Title: Member of Aufsichtsrat
 Percent Ownership: N/A
 Ending Date:

FEIN:
 Title Effective Date: 09/11/2000
 Ownership Effective Date:

Name: Berthold Huber
 Address: Kruppstrasse 5
 45128 Essen, Germany
 Telephone: 011 49 201-1850
 Social Security No: n/a
 Title: Member of Aufsichtsrat
 Percent Ownership: N/A
 Ending Date:

FEIN:
 Title Effective Date: 01/09/2001
 Ownership Effective Date:

Name: Richard R. Klein
 Address: Kruppstrasse 5
 45128 Essen, Germany
 Telephone: 011 49 201-1850
 Social Security No: n/a
 Title: Member of Vorstand
 Percent Ownership: N/A
 Ending Date:

FEIN:
 Title Effective Date: 11/24/2000
 Ownership Effective Date:

Name: Berthold Krell
 Address: Kruppstrasse 5
 45128 Essen, Germany
 Telephone: 011 49 201-1850
 Social Security No: n/a
 Title: Member of Aufsichtsrat
 Percent Ownership: N/A
 Ending Date:

FEIN:
 Title Effective Date: 01/09/2001
 Ownership Effective Date:

Name: Dietmar Kuhnt
 Address: Kruppstrasse 5
 45128 Essen, Germany
 Telephone: 011 49 201-1850
 Social Security No: n/a
 Title: Chairman of Vorstand
 Percent Ownership: N/A
 Ending Date:

FEIN:
 Title Effective Date: 01/01/1995
 Ownership Effective Date:

Name: Gerhard Langemeyer
 Address: Kruppstrasse 5
 45128 Essen, Germany
 Telephone: 011 49 201-1850
 Social Security No: n/a
 Title: Member of Aufsichtsrat
 Percent Ownership: N/A
 Ending Date:

FEIN:
 Title Effective Date: 01/05/2001
 Ownership Effective Date:

**Officers, Directors, and Stockholders of
RWE AG**

18-Mar-03

Name: Gert Maichel
Address: Kruppstrasse 5
 45128 Essen, Germany
Telephone: 011 49 201-1850
Social Security No: n/a
Title: Member of Vorstand
Percent Ownership: N/A
Ending Date:

FEIN:
Title Effective Date: 11/24/2000
Ownership Effective Date:

Name: Friedel Neuber
Address: Kruppstrasse 5
 45128 Essen, Germany
Telephone: 011 49 201-1850
Social Security No: n/a
Title: Member of Aufsichtsrat
Percent Ownership: N/A
Ending Date:

FEIN:
Title Effective Date: 12/10/1992
Ownership Effective Date:

Name: Josef Pitz
Address: Kruppstrasse 5
 45128 Essen, Germany
Telephone: 011 49 201-1850
Social Security No: n/a
Title: Member of Aufsichtsrat
Percent Ownership: N/A
Ending Date:

FEIN:
Title Effective Date: 11/08/2001
Ownership Effective Date:

Name: Wolfgang Reiniger
Address: Kruppstrasse 5
 45128 Essen, Germany
Telephone: 011 49 201-1850
Social Security No: n/a
Title: Member of Aufsichtsrat
Percent Ownership: N/A
Ending Date:

FEIN:
Title Effective Date: 01/05/2001
Ownership Effective Date:

Name: Manfred Rimmel
Address: Kruppstrasse 5
 45128 Essen, Germany
Telephone: 011 49 201-1850
Social Security No: n/a
Title: Member of Vorstand
Percent Ownership: N/A
Ending Date:

FEIN:
Title Effective Date: 11/24/2000
Ownership Effective Date:

Name: Günter Reppien
Address: Kruppstrasse 5
 45128 Essen, Germany
Telephone: 011 49 201-1850
Social Security No: n/a
Title: Member of Aufsichtsrat
Percent Ownership: N/A
Ending Date:

FEIN:
Title Effective Date: 01/09/2001
Ownership Effective Date:

Officers, Directors, and Stockholders of
RWE AG

18-Mar-03

Name: **Bernhard von Rothkirch**
Address: Kruppstrasse 5
45128 Essen, Germany
Telephone: 011 49 201-1850
Social Security No: n/a
Title: Member of Aufsichtsrat
Percent Ownership: N/A
Ending Date:

FEIN:
Title Effective Date: 01/09/2001
Ownership Effective Date:

Name: **Manfred Schneider**
Address: Kruppstrasse 5
45128 Essen, Germany
Telephone: 011 49 201-1850
Social Security No: n/a
Title: Member of Aufsichtsrat
Percent Ownership: N/A
Ending Date:

FEIN:
Title Effective Date: 12/10/1992
Ownership Effective Date:

Name: **Klaus Sturany**
Address: Kruppstrasse 5
45128 Essen, Germany
Telephone: 011 49 201-1850
Social Security No: n/a
Title: Member of Vorstand
Percent Ownership: N/A
Ending Date:

FEIN:
Title Effective Date: 09/11/2000
Ownership Effective Date:

Name: **Klaus-Dieter Südhofer**
Address: Kruppstrasse 5
45128 Essen, Germany
Telephone: 011 49 201-1850
Social Security No: n/a
Title: Member of Aufsichtsrat
Percent Ownership: N/A
Ending Date:

FEIN:
Title Effective Date: 01/09/2001
Ownership Effective Date:

Name: **Alfons Friedrich Titzrath**
Address: Kruppstrasse 5
45128 Essen, Germany
Telephone: 011 49 201-1850
Social Security No: n/a
Title: Member of Aufsichtsrat
Percent Ownership: N/A
Ending Date:

FEIN:
Title Effective Date: 01/05/2001
Ownership Effective Date:

Name: **Karel Van Miert**
Address: Kruppstrasse 5
45128 Essen, Germany
Telephone: 011 49 201-1850
Social Security No: n/a
Title: Member of Aufsichtsrat
Percent Ownership: N/A
Ending Date:

FEIN:
Title Effective Date: 06/07/2001
Ownership Effective Date:

18-Mar-03

**Officers, Directors, and Stockholders of
RWE AG**

Name: Erwin Winkel
Address: Kruppstrasse 5
45128 Essen, Germany
Telephone: 011 49 201-1850
Social Security No: n/a
Title: Member of Aufsichtsrat
Percent Ownership: N/A
Ending Date:

FEIN:
Title Effective Date: 09/11/2000
Ownership Effective Date:

Name: Jan Zilius
Address: Kruppstrasse 5
45128 Essen, Germany
Telephone: 011 49 201-1850
Social Security No: n/a
Title: Member of Vorstand
Percent Ownership: N/A
Ending Date:

FEIN:
Title Effective Date: 09/11/2000
Ownership Effective Date:

18-Mar-03

**Officers, Directors, and Stockholders of
Southern Ohio Coal Company**

Name: Consolidation Coal Company
Address: 1800 Washington Rd.
 Pittsburgh PA 15241
Telephone: 412/831-4000
Social Security No: FEIN: 13-2566594
Title: Sole Shareholder **Title Effective Date:** 07/02/2001
Percent Ownership: 100% **Ownership Effective Date:** 07/02/2001
Ending Date:

Name: Gary J. Bench
Address: 1800 Washington Road
 Pittsburgh PA 15241
Telephone: 412-831-4000
Social Security No: 187-48-7192 **FEIN:**
Title: Assistant Secretary **Title Effective Date:** 07/02/2001
Percent Ownership: zero **Ownership Effective Date:**
Ending Date:

Name: Danny L. Fassio
Address: 1800 Washington Road
 Pittsburgh PA 15241
Telephone: 412-831-4000
Social Security No: 182-38-2744 **FEIN:**
Title: Director **Title Effective Date:** 07/02/2001
Percent Ownership: zero **Ownership Effective Date:**
Ending Date:

Name: J. Brett Harvey
Address: 1800 Washington Road
 Pittsburgh PA 15241
Telephone: 412-831-4000
Social Security No: n/a **FEIN:**
Title: Director **Title Effective Date:** 07/02/2001
Percent Ownership: zero **Ownership Effective Date:**
Ending Date:

Name: Peter B. Lilly
Address: 1800 Washington Road
 Pittsburgh PA 15241
Telephone: 412-831-4000
Social Security No: n/a **FEIN:**
Title: Director **Title Effective Date:** 11/01/2002
Percent Ownership: zero **Ownership Effective Date:**
Ending Date:

Name: Peter B. Lilly
Address: 1800 Washington Road
 Pittsburgh PA 15241
Telephone: 412-831-4000
Social Security No: n/a **FEIN:**
Title: President **Title Effective Date:** 11/01/2002
Percent Ownership: zero **Ownership Effective Date:**
Ending Date:

Officers, Directors, and Stockholders of
Southern Ohio Coal Company

Name: John M. Reilly
Address: 1800 Washington Road
Pittsburgh
Telephone: 412-831-4000
Social Security No: n/a
Title: Treasurer
Percent Ownership: zero
Ending Date:

PA 15241
FEIN:
Title Effective Date: 07/02/2001
Ownership Effective Date:

Name: Karl T. Skrypak
Address: 1800 Washington Road
Pittsburgh
Telephone: 412-831-4000
Social Security No: 173-40-7443
Title: Secretary
Percent Ownership: zero
Ending Date:

PA 15241
FEIN:
Title Effective Date: 07/02/2001
Ownership Effective Date:

Name: John F. Zachwieja
Address: 172 Route 519
Eighty Four
Telephone: 724-206-2005
Social Security No: n/a
Title: General Manager
Percent Ownership: zero
Ending Date:

PA 15330
FEIN:
Title Effective Date: 03/01/2002
Ownership Effective Date:

**Officers, Directors, and Stockholders of
Westco Coal Company**

18-Mar-03

Name: Rochester & Pittsburgh Coal Company
Address: 1800 Washington Road
 Pittsburgh PA 15241
Telephone: 412/831-4000
Social Security No: FEIN: 25-0761480
Title: Sole shareholder **Title Effective Date:** 07/09/1980
Percent Ownership: 100% **Ownership Effective Date:** 07/09/1980
Ending Date:

Name: Gary J. Bench
Address: 1800 Washington Road
 Pittsburgh PA 15241
Telephone: 412-831-4000
Social Security No: 187-48-7192 **FEIN:**
Title: Assistant Secretary **Title Effective Date:** 07/01/2001
Percent Ownership: zero **Ownership Effective Date:**
Ending Date:

Name: Danny L. Fassio
Address: 1800 Washington Road
 Pittsburgh PA 15241
Telephone: 412/831-4000
Social Security No: 182-38-2744 **FEIN:**
Title: V.P., Secretary **Title Effective Date:** 09/22/1998
Percent Ownership: zero **Ownership Effective Date:**
Ending Date:

Name: J. Brett Harvey
Address: 1800 Washington Road
 Pittsburgh PA 15241
Telephone: 412/831-4000
Social Security No: n/a **FEIN:**
Title: Director **Title Effective Date:** 09/22/1998
Percent Ownership: zero **Ownership Effective Date:**
Ending Date:

Name: William J. Lyons
Address: 1800 Washington Road
 Pittsburgh PA 15241
Telephone: 412/831-4000
Social Security No: n/a **FEIN:**
Title: V.P., Controller **Title Effective Date:** 09/22/1998
Percent Ownership: zero **Ownership Effective Date:**
Ending Date:

Name: John M. Reilly
Address: 1800 Washington Road
 Pittsburgh PA 15241
Telephone: 412/831-4000
Social Security No: n/a **FEIN:**
Title: Treasurer **Title Effective Date:** 11/01/1999
Percent Ownership: zero **Ownership Effective Date:**
Ending Date:

18-Mar-03

**Officers, Directors, and Stockholders of
Westco Coal Company**

Name: Ronald E. Smith
Address: 1800 Washington Road
Pittsburgh
Telephone: 412/831-4000
Social Security No: 503-52-8341
Title: Director
Percent Ownership: zero
Ending Date:

PA 15241

FEIN:

Title Effective Date:

11/01/1999

Ownership Effective Date:

**Officers, Directors, and Stockholders of
Windsor Coal Company**

18-Mar-03

Name: Consolidation Coal Company
Address: 1800 Washington Rd.
 Pittsburgh PA 15241
Telephone: 412/831-4000
Social Security No: FEIN: 13-2566594
Title: Sole Shareholder **Title Effective Date:** 07/02/2001
Percent Ownership: 100% **Ownership Effective Date:** 07/02/2001
Ending Date:

Name: Gary J. Bench
Address: 1800 Washington Road
 Pittsburgh PA 15241
Telephone: 412-831-4000
Social Security No: 187-48-7192 **FEIN:**
Title: Assistant Secretary **Title Effective Date:** 07/02/2001
Percent Ownership: zero **Ownership Effective Date:**
Ending Date:

Name: Danny L. Fassio
Address: 1800 Washington Road
 Pittsburgh PA 15241
Telephone: 412-831-4000
Social Security No: 182-38-2744 **FEIN:**
Title: Director **Title Effective Date:** 07/02/2001
Percent Ownership: zero **Ownership Effective Date:**
Ending Date:

Name: J. Brett Harvey
Address: 1800 Washington Road
 Pittsburgh PA 15241
Telephone: 412-831-4000
Social Security No: n/a **FEIN:**
Title: Director **Title Effective Date:** 07/02/2001
Percent Ownership: zero **Ownership Effective Date:**
Ending Date:

Name: Peter B. Lilly
Address: 1800 Washington Road
 Pittsburgh PA 15241
Telephone: 412-831-4000
Social Security No: n/a **FEIN:**
Title: President **Title Effective Date:** 11/01/2002
Percent Ownership: zero **Ownership Effective Date:**
Ending Date:

Name: Peter B. Lilly
Address: 1800 Washington Road
 Pittsburgh PA 15241
Telephone: 412-831-4000
Social Security No: n/a **FEIN:**
Title: Director **Title Effective Date:** 11/01/2002
Percent Ownership: zero **Ownership Effective Date:**
Ending Date:

18-Mar-03

**Officers, Directors, and Stockholders of
Windsor Coal Company**

Name: John M. Reilly
Address: 1800 Washington Road
Pittsburgh
Telephone: 412-831-4000
Social Security No: n/a
Title: Treasurer
Percent Ownership: zero
Ending Date:

PA 15241
FEIN:
Title Effective Date: 07/02/2001
Ownership Effective Date:

Name: Karl T. Skrypak
Address: 1800 Washington Road
Pittsburgh
Telephone: 412-831-4000
Social Security No: 173-40-7443
Title: Secretary
Percent Ownership: zero
Ending Date:

PA 15241
FEIN:
Title Effective Date: 07/02/2001
Ownership Effective Date:

Name: John F. Zachwieja
Address: 172 Route 519
Eighty Four
Telephone: 724-206-2005
Social Security No: n/a
Title: General Manager
Percent Ownership: zero
Ending Date:

PA 15330
FEIN:
Title Effective Date: 03/01/2002
Ownership Effective Date:

18-Mar-03

Officers, Directors, and Stockholders of Wolfpen Knob Development Company

| | | | |
|----------------------------|---------------------------|----------------------------------|------------|
| Name: | CONSOL Energy Inc. | | |
| Address: | 1800 Washington Rd. | | |
| | Pittsburgh | PA | 15241 |
| Telephone: | 412/831-4000 | | |
| Social Security No: | | FEIN: | 51-0337383 |
| Title: | SoleShareholder | Title Effective Date: | 01/01/2001 |
| Percent Ownership: | 100% | Ownership Effective Date: | 01/01/1993 |
| Ending Date: | | | |

| | | | |
|----------------------------|----------------------|----------------------------------|------------|
| Name: | Gary J. Bench | | |
| Address: | 1800 Washington Road | | |
| | Pittsburgh | PA | 15241 |
| Telephone: | 412-831-4000 | | |
| Social Security No: | 187-48-7192 | FEIN: | |
| Title: | Assistant Secretary | Title Effective Date: | 07/01/2001 |
| Percent Ownership: | zero | Ownership Effective Date: | |
| Ending Date: | | | |

| | | | |
|----------------------------|------------------------|----------------------------------|------------|
| Name: | J. Brett Harvey | | |
| Address: | 1800 Washington Road | | |
| | Pittsburgh | PA | 15241 |
| Telephone: | (412) 831-4000 | | |
| Social Security No: | n/a | FEIN: | |
| Title: | Director | Title Effective Date: | 08/31/1998 |
| Percent Ownership: | zero | Ownership Effective Date: | |
| Ending Date: | | | |

| | | | |
|----------------------------|-----------------------|----------------------------------|------------|
| Name: | Peter B. Lilly | | |
| Address: | 1800 Washington Road | | |
| | Pittsburgh | PA | 15241 |
| Telephone: | 412-831-4000 | | |
| Social Security No: | n/a | FEIN: | |
| Title: | President | Title Effective Date: | 11/01/2002 |
| Percent Ownership: | zero | Ownership Effective Date: | |
| Ending Date: | | | |

| | | | |
|----------------------------|-------------------------|----------------------------------|------------|
| Name: | William J. Lyons | | |
| Address: | 1800 Washington Road | | |
| | Pittsburgh | PA | 15241 |
| Telephone: | (412) 831-4000 | | |
| Social Security No: | n/a | FEIN: | |
| Title: | Director | Title Effective Date: | 07/10/2002 |
| Percent Ownership: | zero | Ownership Effective Date: | |
| Ending Date: | | | |

| | | | |
|----------------------------|-----------------------|----------------------------------|------------|
| Name: | James N. Magro | | |
| Address: | 1800 Washington Road | | |
| | Pittsburgh | PA | 15241 |
| Telephone: | (412) 831-4000 | | |
| Social Security No: | n/a | FEIN: | |
| Title: | Vice President | Title Effective Date: | 11/01/1999 |
| Percent Ownership: | zero | Ownership Effective Date: | |
| Ending Date: | | | |

**Officers, Directors, and Stockholders of
Wolfpen Knob Development Company**

Name: John M. Reilly
Address: 1800 Washington Road
Pittsburgh
Telephone: (412) 831-4000
Social Security No: n/a
Title: Treasurer
Percent Ownership: zero
Ending Date:

PA 15241
FEIN:
Title Effective Date: 09/01/1998
Ownership Effective Date:

Name: Ronald E. Smith
Address: 1800 Washington Rd.
Pittsburgh
Telephone: 412/831-4000
Social Security No: 503-52-8341
Title: Director
Percent Ownership: zero
Ending Date:

PA 15241
FEIN:
Title Effective Date: 04/01/1990
Ownership Effective Date:

Name: Robert M. Vukas
Address: 1800 Washington Road
Pittsburgh
Telephone: (412) 831-4000
Social Security No: 235-80-9868
Title: Secretary
Percent Ownership: zero
Ending Date:

PA 15241
FEIN:
Title Effective Date: 05/01/1993
Ownership Effective Date:

Permittee: Central Ohio Coal Company

Address: P.O. Box 98

City: Cumberland OH **State:** OH **ZIP:** 43732

Telephone No.: (740) 962-2013

FEIN No.: 31-4356096

Relationship to CONSOL Energy Inc. :

2nd Tier Subsidiary

Permittee: Central Ohio Coal Company

| Permit Number | State Regulatory Authority | Mine Name | MSHA No. | MSHA Date | Permit Issue Date |
|---------------|----------------------------|------------------------------------|----------|-----------|-------------------|
| OH D-1034 | OH DMRM | Brannon Fork | 33-00989 | n/a | 09/09/1993 |
| COMMENTS: | | | | | |
| D-1084 | OH DMRM | Horse Run | 33-00989 | n/a | 07/21/1994 |
| COMMENTS: | | | | | |
| D-2047 | OH DMRM | Dinner Fork | 33-00989 | n/a | 05/12/2000 |
| COMMENTS: | | | | | |
| D-215 | OH DMRM | Preparation Plant | 33-00989 | n/a | 12/20/1983 |
| COMMENTS: | | | | | |
| D-246 | OH DMRM | Interconnector Haulroad | 33-00989 | n/a | 12/01/1983 |
| COMMENTS: | | | | | |
| D-261 | OH DMRM | State Route 340 | 33-00989 | n/a | 01/13/1984 |
| COMMENTS: | | | | | |
| D-313 | OH DMRM | Haulroad- Complex to 3 mile island | 33-00989 | n/a | 04/17/1984 |
| COMMENTS: | | | | | |
| D-321 | OH DMRM | Skyline Drive Haulroad | 33-00989 | n/a | 04/30/1984 |
| COMMENTS: | | | | | |
| D-322 | OH DMRM | Haulroad | 33-00989 | n/a | 04/30/1984 |
| COMMENTS: | | | | | |
| D-378 | OH DMRM | Haulroad - N. Tipple Area | 33-00989 | n/a | 07/13/1984 |
| COMMENTS: | | | | | |
| D-420 | OH DMRM | OCTAD | 33-00989 | n/a | 10/11/1984 |
| COMMENTS: | | | | | |
| D-559 | OH DMRM | Titton Run | 33-00989 | n/a | 03/13/1986 |
| COMMENTS: | | | | | |
| D-56 | OH DMRM | North Tipple Area | 33-00989 | n/a | 08/16/1982 |
| COMMENTS: | | | | | |
| D-678 | OH DMRM | Olive Green South | 33-00989 | n/a | 06/15/1987 |
| COMMENTS: | | | | | |
| D-820 | OH DMRM | Windy Hill | 33-00989 | n/a | 12/14/1988 |
| COMMENTS: | | | | | |

Permittee: Central Ohio Coal Company

| Permit Number | State Regulatory Authority | Mine Name | MSHA No. | MSHA Date | Permit Issue Date |
|----------------------|-----------------------------------|------------------|-----------------|------------------|--------------------------|
| D-839 | OH DMRM | Knowlton | 33-00989 | n/a | 05/15/1989 |

COMMENTS:

Permittee: CONSOL of Kentucky Inc.**Address:** P.O. Box 130 (Highway 550)**City:** Mousie**State:** KY**ZIP:** 41839**Telephone No.:** (606) 946-3100**FEIN No.:** 94-2524120**Relationship to CONSOL Energy Inc. :**

1st Tier Subsidiary

| Permittee: CONSOL of Kentucky Inc. | | | | | |
|---|----------------------------|-----------------------|----------|------------|-------------------|
| Permit Number | State Regulatory Authority | Mine Name | MSHA No. | MSHA Date | Permit Issue Date |
| KY | | | | | |
| 460-5092 | KY DSM | Sycamore Fork | n/a | n/a | 06/10/1983 |
| COMMENTS: | | | | | |
| 836-5238 | KY DSM | Lick Fork | 15-18296 | 10/31/00 | 08/06/1990 |
| COMMENTS: | | | | | |
| 836-5327 | KY DSM | Northstar #3 | 15-17667 | 4/28/95 | 03/01/1993 |
| COMMENTS: | | | | | |
| 836-6015 | KY DSM | Jett Loadout | 15-12939 | 11/24/87 | 08/24/1987 |
| COMMENTS: | | | | | |
| 860-0312 | KY DSM | Big Springs | 15-13025 | 07/31/86 | 06/15/1993 |
| COMMENTS: | | | | | |
| 860-0333 | KY DSM | | n/a | n/a | 11/10/1993 |
| COMMENTS: | | | | | |
| 860-0349 | KY DSM | Triplett Br. (Wiley) | n/a | n/a | 06/13/1996 |
| COMMENTS: inactive MTR | | | | | |
| 860-0390 | KY DSMRE | | 15-18477 | 11/16/2001 | 08/30/2001 |
| COMMENTS: Permit approved 8/30/2001; Application submitted 4/24/2000. | | | | | |
| 860-5010 | KY DSM | Marine Coal E3 | 15-18278 | 9/8/2000 | 01/04/1984 |
| COMMENTS: | | | | | |
| 860-5116 | KY DSM | | n/a | n/a | 04/02/1991 |
| COMMENTS: | | | | | |
| 860-5117 | KY DSM | office and bath house | n/a | n/a | 02/06/1991 |
| COMMENTS: | | | | | |
| 860-5147 | KY DSM | Mott's Branch #1 | n/a | n/a | 11/23/1992 |
| COMMENTS: | | | | | |
| 860-5154 | KY DSM | | 15-17664 | 04/27/1995 | 05/25/1993 |
| COMMENTS: reclaimed, some increments final bond release | | | | | |
| 860-5181 | KY DSM | Brushy 11 | 15-17496 | 01/28/94 | 02/18/1994 |
| COMMENTS: closed mine | | | | | |
| 860-5202 | KY DSM | Jarisa | 15-18392 | 06/20/2001 | 12/11/1992 |
| COMMENTS: | | | | | |
| 860-5212 | KY DSM | Blazing Saddles | mine | closed | 08/06/1984 |
| COMMENTS: mine closed | | | | | |

Permittee: CONSOL of Kentucky Inc.

| Permit Number | State Regulatory Authority | Mine Name | MSHA No. | MSHA Date | Permit Issue Date |
|---|----------------------------|----------------------------------|----------|------------|-------------------|
| 860-5218 | KY DSM | Saltlick #10 | n/a | n/a | 09/11/1998 |
| COMMENTS: | | | | | |
| 860-5221 | KY DSM | Turtle Branch Portal | 15-17894 | 01/30/1997 | 05/05/1998 |
| COMMENTS: | | | | | |
| 860-5229 | KY DSM | | 15-18166 | 05/18/99 | 03/19/1999 |
| COMMENTS: | | | | | |
| 860-7007 | KY DSMRE | | n/a | n/a | 10/25/2001 |
| COMMENTS: Permit approved 10/25/2001; Application submitted 5/1/2001 | | | | | |
| 860-8005 | KY DSM | Jones Foek Prep Plant | 15-17021 | 11/16/1990 | 11/13/1990 |
| COMMENTS: | | | | | |
| 860-9000 | KY DSM | Jones Fork Slurry Impdt | 15-17021 | 11/16/1990 | 02/06/1991 |
| COMMENTS: | | | | | |
| 860-9007 | KY DSM | Jones Fork-Right Fork Ref | 15-17021 | 11/16/90 | 05/17/1999 |
| COMMENTS: | | | | | |
| 867-0369 | KY DSM | | 15-16343 | 07/1998 | 07/12/1988 |
| COMMENTS: former Fairbanks Coal 867-0299 | | | | | |
| 867-0370 | KY DSM | | 15-16343 | 07/1988 | 05/11/1990 |
| COMMENTS: former Fairbanks Coal 867-0324 | | | | | |
| 867-0383 | KY DSM | Lower Appletree | 15-17657 | 04/06/1995 | 04/21/1997 |
| COMMENTS: | | | | | |
| 867-0391 | KY DSM | Wiley contour strip | 15-17220 | 04/01/1992 | 10/02/1997 |
| COMMENTS: | | | | | |
| 867-0394 | KY DSM | | 15-17220 | 04/01/1992 | 08/11/1998 |
| COMMENTS: | | | | | |
| 867-0400 | KY DSM | | 15-17657 | 04/06/1995 | 04/05/1995 |
| COMMENTS: former Fairbanks Coal 867-0362 | | | | | |
| 867-0404 | KY DSM | CKI | 15-18231 | 01/18/00 | 01/13/2000 |
| COMMENTS: | | | | | |
| 867-0405 | KY DSMRE | Wiley-Upper Appletree CT | 15-18231 | 1/18/00 | 08/28/2000 |
| COMMENTS: | | | | | |
| 867-0407 | KY DSMRE | Fairbanks-Crane Fk, CT | 15-17657 | 4/6/95 | 06/09/2000 |
| COMMENTS: Includes Hughes Drive Mine and Long Fork Mine | | | | | |
| 867-0409 | KY DSMRE | Mill Creek/Wiley - Area #1 | n/a | n/a | 07/17/2002 |
| COMMENTS: Permit approved 7/17/02 - MSHA number to be issued. Application submitted 8/25/99 | | | | | |
| 867-0428 | KY DSMRE | Mill Creek/Quillen Br. - Area 70 | 15-18541 | 4-29-02 | 02/26/2002 |
| COMMENTS: Permit approved 2/26/2002; Application submitted 4/26/01. | | | | | |
| 867-5182 | KY DSM | E3 Mill Creek | 15-17720 | 10/24/1995 | 02/04/1994 |
| COMMENTS: | | | | | |

Permittee: CONSOL of Kentucky Inc.

| Permit Number | State Regulatory Authority | Mine Name | MSHA No. | MSHA Date | Permit Issue Date |
|---|----------------------------|--------------------------------------|-----------|------------|-------------------|
| 867-5184 | KY DSM | Rhoades Branch | 15-18212 | 10/12/1999 | 08/03/1989 |
| COMMENTS: | | | | | |
| 867-5192 | KY DSM | Loves Branch | 15-17814 | 07/22/1996 | 02/29/1996 |
| COMMENTS: | | | | | |
| 867-5198 | KY DSM | Clas | 15-16748 | 10/1989 | 10/11/1989 |
| COMMENTS: | | | | | |
| 867-5225 | KY DSM | | 15-18209 | 09/30/99 | 08/23/1999 |
| COMMENTS: | | | | | |
| 867-8041 | KY DSM | Mill Creek Prep Plant | 15-16577 | 03/06/1989 | 04/24/1995 |
| COMMENTS: | | | | | |
| 867-8042 | KY DSM | Mill Creek Loadout | 15-16577 | 03/06/1989 | 04/24/1995 |
| COMMENTS: | | | | | |
| 867-9007 | KY DSM | Mill Creek Slurry Impdt | 15-16577 | 03/06/1989 | 04/24/1995 |
| COMMENTS: | | | | | |
| WV | | | | | |
| O-24-82 | WV DEP | | 46-06760 | 01/16/87 | 04/11/1996 |
| COMMENTS: trans from Fremont Coal Company | | | | | |
| O-25-82 | WV DEP | | n/a | n/a | 04/11/1996 |
| COMMENTS: trans from Fremont Coal Company | | | | | |
| O-5036-93 | WV DEP | Miller Creek refuse area & prep plan | see comm. | 2/12/97 | 04/14/1997 |
| COMMENTS: MSHA 1211-WV4-0240-01 (formerly Fremont Coal Co.) | | | | | |
| S-5038-93 | WV DEP | Miller Creek MT-11 | see comm. | 2/12/97 | 04/14/1997 |
| COMMENTS: MSHA 1211-WV4-0240-01 (formerly Fremont Coal Co.) | | | | | |
| S-5040-93 | WV DEP | Miller Creek MT-34 | see comm. | 2/12/97 | 04/14/1997 |
| COMMENTS: MSHA 1211-WV4-0240-01 (formerly Fremont Coal Co.) | | | | | |
| S-71-82 | WV DEP | | 46-06760 | 01/16/87 | 04/11/1996 |
| COMMENTS: trans from Fremont Coal Company | | | | | |
| S-94-85 | WV DEP | | 46-06760 | 01/16/87 | 04/11/1996 |
| COMMENTS: trans from Fremont Coal Company | | | | | |
| U-5038-86 | WV DEP | Mine No. CB-7 | 46-06760 | 01/16/87 | 04/11/1996 |
| COMMENTS: trans from Fremont Coal Company | | | | | |

Permittee: Consol Pennsylvania Coal Co.

Address: 1800 Washington Road

City: Pittsburgh **State:** PA

ZIP: 15241

Telephone No.: (412) 831-4000

FEIN No.: 25-1402386

Relationship to CONSOL Energy Inc. :

1st Tier Subsidiary

Permittee: Consol Pennsylvania Coal Co.

| Permit Number | State Regulatory Authority | Mine Name | MSHA No. | MSHA Date | Permit Issue Date |
|--|----------------------------|------------|----------|-----------|-------------------|
| PA | | | | | |
| 30810703 | PA DEP | Bailey | 36-07230 | 10/01/81 | 02/27/1986 |
| COMMENTS: Bailey Refuse Permit | | | | | |
| 30841316 | PA DEP | Bailey | 36-07230 | 10/01/81 | 01/09/1990 |
| COMMENTS: | | | | | |
| 30841317 | PA DEP | Enlow Fork | 36-07416 | 01/01/83 | 03/08/1996 |
| COMMENTS: trans from Enlow Fork Mining Co 03/08/96 | | | | | |
| WV | | | | | |
| Y-1007-99 | WV DEP | Bailey | 36-07230 | 10/01/81 | 03/20/1999 |
| COMMENTS: Out of state tracking permit, no bond has been posted. | | | | | |

Permittee: Consolidation Coal Company

Address: 1800 Washington Road

City: Pittsburgh **State:** PA

ZIP: 15241

Telephone No.: (412) 831-4000

FEIN No.: 13-2566594

Relationship to CONSOL Energy Inc. :

1st Tier Subsidiary

| Permittee: Consolidation Coal Company | | | | | |
|---------------------------------------|----------------------------|-----------------|----------|-----------|-------------------|
| Permit Number | State Regulatory Authority | Mine Name | MSHA No. | MSHA Date | Permit Issue Date |
| IL | | | | | |
| 112 | IL DMM | Burning Star #5 | 11-02328 | 01/01/74 | 09/23/1983 |
| | | COMMENTS: | | | |
| 120 | IL DMM | Burning Star #4 | 11-02024 | 00/00/00 | 08/04/1987 |
| | | COMMENTS: | | | |
| 121 | IL DMM | Burning Star #2 | 11-00610 | 00/00/00 | 03/21/1984 |
| | | COMMENTS: | | | |
| 130 | IL DMM | Burning Star #5 | 11-02328 | 01/01/74 | 10/02/1984 |
| | | COMMENTS: | | | |
| 149 | IL DMM | Burning Star #2 | 11-00610 | 00/00/00 | 07/23/1985 |
| | | COMMENTS: | | | |
| 152 | IL DMM | Burning Star #4 | 11-02024 | 00/00/00 | 05/08/1986 |
| | | COMMENTS: | | | |
| 162 | IL DMM | Rend Lake | 11-00601 | 11/14/86 | 11/27/1985 |
| | | COMMENTS: | | | |
| 199 | IL DMM | Burning Star #5 | 11-02328 | 01/01/74 | 06/09/1989 |
| | | COMMENTS: | | | |
| 202 | IL DMM | Rend Lake | 11-00601 | 11/14/86 | 12/02/1987 |
| | | COMMENTS: | | | |
| 217 | IL DMM | Rend Lake | 11-00601 | 11/14/86 | 08/01/1988 |
| | | COMMENTS: | | | |
| 244 | IL DMM | Rend Lake | 11-00601 | 11/14/86 | 09/11/1990 |
| | | COMMENTS: | | | |
| 258 | IL DMM | Burning Star #2 | 11-00610 | 00/00/00 | |
| | | COMMENTS: | | | |
| 262 | IL DMM | Burning Star #4 | 11-02024 | 00/00/00 | 11/13/1992 |
| | | COMMENTS: | | | |
| 264 | IL DMM | | 11-00601 | 11/14/86 | 06/10/1992 |
| | | COMMENTS: | | | |
| 274 | IL DMM | Rend Lake | 11-00601 | 11/14/86 | 01/03/1994 |
| | | COMMENTS: | | | |
| 281 | IL DMM | Rend Lake | 11-00601 | 11/14/86 | |
| | | COMMENTS: | | | |

Permittee: Consolidation Coal Company

| Permit Number | State Regulatory Authority | Mine Name | MSHA No. | MSHA Date | Permit Issue Date |
|----------------------|-----------------------------------|------------------|-----------------|------------------|--------------------------|
| 286-75 | IL DMM | Burning Star #4 | 11-02024 | 00/00/00 | 05/01/1974 |
| COMMENTS: | | | | | |
| 43 | IL DMM | Rend Lake | 11-00601 | 11/14/86 | 01/14/1986 |
| COMMENTS: | | | | | |
| 44 | IL DMM | Wheeler Creek | 11-02387 | 11/14/86 | 08/11/1986 |
| COMMENTS: | | | | | |
| 468-76 | IL DMM | Burning Star #2 | 11-00610 | 00/00/00 | 06/23/1975 |
| COMMENTS: | | | | | |
| 470-76 | IL DMM | Burning Star #4 | 11-02024 | 00/00/00 | 06/23/1975 |
| COMMENTS: | | | | | |
| 471-76 | IL DMM | Burning Star #5 | 11-02328 | 01/01/74 | 06/23/1975 |
| COMMENTS: | | | | | |
| 515-78 | IL DMM | Burning Star #3 | 11-00613 | 00/00/00 | 11/18/1975 |
| COMMENTS: | | | | | |
| 522-78 | IL DMM | Burning Star #2 | 11-00610 | 00/00/00 | 01/26/1976 |
| COMMENTS: | | | | | |
| 570-79 | IL DMM | Burning Star #5 | 11-02328 | 01/01/74 | 04/07/1976 |
| COMMENTS: | | | | | |
| 572-79 | IL DMM | Burning Star #4 | 11-02024 | 00/00/00 | 07/01/1976 |
| COMMENTS: | | | | | |
| 573-79 | IL DMM | Burning Star #2 | 11-00610 | 00/00/00 | 07/07/1976 |
| COMMENTS: | | | | | |
| 574-79 | IL DMM | Burning Star #3 | 11-00613 | 00/00/00 | 07/08/1976 |
| COMMENTS: | | | | | |
| 67 | IL DMM | Burning Star #2 | 11-00610 | 00/00/00 | 10/30/1984 |
| COMMENTS: | | | | | |
| 68 | IL DMM | Burning Star #2 | 11-00610 | 00/00/00 | 09/10/1986 |
| COMMENTS: | | | | | |
| 69 | IL DMM | Burning Star #2 | 11-00610 | 00/00/00 | 08/13/1984 |
| COMMENTS: | | | | | |
| 70 | IL DMM | Burning Star #2 | 11-00610 | 00/00/00 | 08/13/1984 |
| COMMENTS: | | | | | |
| 71 | IL DMM | Burning Star #3 | 11-00613 | 00/00/00 | 03/28/1985 |
| COMMENTS: | | | | | |
| 73 | IL DMM | Burning Star #4 | 11-02024 | 00/00/00 | 10/30/1984 |
| COMMENTS: | | | | | |
| 74 | IL DMM | Burning Star #4 | 11-02024 | 00/00/00 | 08/01/1984 |
| COMMENTS: | | | | | |

Permittee: Consolidation Coal Company

| Permit Number | State Regulatory Authority | Mine Name | MSHA No. | MSHA Date | Permit Issue Date |
|---------------|----------------------------|---------------------|----------|-----------|-------------------|
| 75 | IL DMM | Burning Star #5 | 11-02328 | 01/01/74 | 06/11/1984 |
| COMMENTS: | | | | | |
| 77 | IL DMM | Burning Star #5 | 11-02328 | 01/01/74 | 05/25/1984 |
| COMMENTS: | | | | | |
| 814-82 | IL DMM | Burning Star #3 | 11-00613 | 00/00/00 | 10/08/1979 |
| COMMENTS: | | | | | |
| 880-83 | IL DMM | Burning Star #2 | 11-00610 | 00/00/00 | 08/27/1980 |
| COMMENTS: | | | | | |
| 882-83 | IL DMM | Burning Star #5 | 11-02328 | 01/01/74 | 08/27/1980 |
| COMMENTS: | | | | | |
| 88-A | IL DMM | Hillsboro | 11-00605 | 00/00/00 | 03/21/1984 |
| COMMENTS: | | | | | |
| 890-83 | IL DMM | Burning Star #3 | 11-00613 | 00/00/00 | 09/15/1980 |
| COMMENTS: | | | | | |
| 922-83 | IL DMM | Burning Star #5 | 11-02328 | 01/01/74 | 08/01/1980 |
| COMMENTS: | | | | | |
| 941-83 | IL DMM | Burning Star #5 | 11-02328 | 01/01/74 | 07/10/1980 |
| COMMENTS: | | | | | |
| IL-004 | IL DMM | Rend Lake | 11-00601 | 11/14/86 | 08/01/1984 |
| COMMENTS: | | | | | |
| ND | | | | | |
| 54 | ND PSC | Velva | 32-00045 | 00/00/00 | 06/26/1979 |
| COMMENTS: | | | | | |
| CCVV-8107 | ND PSC | Velva | 32-00045 | 00/00/00 | 12/28/1983 |
| COMMENTS: | | | | | |
| NM | | | | | |
| 8 | NM SMC | Burnham | 29-01711 | 11/14/86 | 12/16/1977 |
| COMMENTS: | | | | | |
| OH | | | | | |
| D-0051 | OH DOR | Mahoning Valley #33 | 33-03214 | 01/01/74 | |
| COMMENTS: | | | | | |
| D-0174 | OH DOR | Franklin | 33-00963 | 00/00/00 | |
| COMMENTS: | | | | | |
| D-0784 | OH DOR | Mahoning Valley #36 | 33-04143 | 09/01/88 | |
| COMMENTS: | | | | | |
| D-0826 | OH DOR | Mahoning Valley #36 | 33-04143 | 09/01/88 | |
| COMMENTS: | | | | | |

Permittee: Consolidation Coal Company

| Permit Number | State Regulatory Authority | Mine Name | MSHA No. | MSHA Date | Permit Issue Date |
|--|----------------------------|---------------------|----------|-----------|-------------------|
| D-192 | OH DOR | Georgetown P.P. | 33-00958 | 00/00/00 | |
| COMMENTS: | | | | | |
| D-2100 | OH DMRM | Mahoning Valley #33 | 33-03214 | 01/01/74 | 04/20/2001 |
| COMMENTS: | | | | | |
| PA | | | | | |
| 30733707(R) | PA DEP | Robena | 36-04175 | 12/22/83 | 11/25/1986 |
| COMMENTS: | | | | | |
| 30743702 | PA DEP | Blacksville #1 | 46-01867 | 00/00/00 | 12/23/1983 |
| COMMENTS: | | | | | |
| 30830701 | PA DEP | Dilworth | 36-04281 | 12/22/83 | 07/23/1984 |
| COMMENTS: | | | | | |
| 30841302 | PA DEP | Humphrey #7 | 46-01453 | 00/00/00 | 02/27/1986 |
| COMMENTS: | | | | | |
| 30841312 | PA DEP | Blacksville #2 | 46-01968 | 00/00/00 | 02/27/1986 |
| COMMENTS: | | | | | |
| 30841313 | PA DEP | Dilworth | 36-04281 | 12/22/83 | 08/13/1986 |
| COMMENTS: | | | | | |
| 30841319 | PA DEP | Blacksville #1 | 46-01867 | 00/00/00 | 02/27/1986 |
| COMMENTS: | | | | | |
| 30841601 | PA DEP | | 36-00909 | 12/22/83 | 09/04/1986 |
| COMMENTS: | | | | | |
| 63831301 | PA DEP | Westland #2 | 36-06133 | 07/01/76 | 08/13/1986 |
| COMMENTS: | | | | | |
| 63851702 | PA DER | Westland #2 | 36-06133 | 07/01/76 | |
| COMMENTS: Pre-SMCRA permit; mine closed | | | | | |
| 63981301 | PA DEP | Shoemaker | 46-01436 | 00/00/00 | 05/27/1999 |
| COMMENTS: | | | | | |
| D30-033A | PA DEP | Blacksville #1 | 46-01867 | 00/00/00 | 06/30/1987 |
| COMMENTS: | | | | | |
| TN | | | | | |
| 2449 | TN OSMRE | Matthews P.P. | 40-00520 | 00/00/00 | 02/11/1986 |
| COMMENTS: Inc. 2 Ph. I bond release - 6/29/2001; Inc. 1 Ph. I & II release 10/12/2001. | | | | | |
| UT | | | | | |
| ACT/015/007 | UT DOGM | Hidden Valley | N/A | 00/00/00 | |
| COMMENTS: | | | | | |
| ACT/015/015 | UT DOGM | Emery | 42-00079 | 05/13/75 | |
| COMMENTS: Emery Deep Mine | | | | | |
| VA | | | | | |

Permittee: Consolidation Coal Company

| Permit Number | State Regulatory Authority | Mine Name | MSHA No. | MSHA Date | Permit Issue Date |
|---|----------------------------|----------------------|----------|------------|-------------------|
| 1200070 | VA DMLR | Hale Branch (P-14) | 44-05525 | 10/22/1980 | 06/01/1983 |
| COMMENTS: Transferred from Permac Inc./Raven Coal Co. | | | | | |
| 1200308 | VA DMLR | Dismal Creek (E-2) | 44-01717 | 03/01/1975 | 11/23/1983 |
| COMMENTS: Transferred from Permac Inc./Raven Coal Co. | | | | | |
| 1200352 | VA DMLR | Amonate Greasy Creek | 46-04421 | 10/07/74 | 12/07/1983 |
| COMMENTS: Greasy Creek shaft | | | | | |
| 1200360 | VA DMLR | Amonate Dunford | 46-04421 | 10/07/74 | 12/08/1983 |
| COMMENTS: Dunford portal | | | | | |
| 1200369 | VA DMLR | Hale Branch (P-28) | 44-06029 | 06/07/1990 | 12/09/1983 |
| COMMENTS: Transferred from Permac Inc./Raven Coal Co. | | | | | |
| 1200636 | VA DMLR | Robinson Fork (E-4) | 44-06497 | 01/01/1989 | 12/13/1984 |
| COMMENTS: Transferred from Permac Inc./Raven Coal Co. | | | | | |
| 1200700 | VA DMLR | Hale Branch (P-31) | 44-06243 | 05/08/1985 | 04/17/1985 |
| COMMENTS: Transferred from Permac Inc./Raven Coal Co. | | | | | |
| 1200727 | VA DMLR | Ball Creek (B-1) | 44-06056 | 10/17/1985 | 07/01/1985 |
| COMMENTS: Transferred from Permac Inc./Raven Coal Co. | | | | | |
| 1200839 | VA DMLR | Clifton Fork (E-9) | 44-06310 | 07/01/1986 | 04/18/1986 |
| COMMENTS: Transferred from Permac Inc./Raven Coal Co. | | | | | |
| 1201057 | VA DMLR | C-4 | 44-05171 | 08/02/1989 | 10/08/1986 |
| COMMENTS: Transferred from Permac Inc./Raven Coal Co. | | | | | |
| 1201129 | VA DMLR | Poca-Bishop #33 | 44-06857 | 10/29/96 | 11/23/1983 |
| COMMENTS: includes permit 1200315 | | | | | |
| 1201145 | VA DMLR | Ball Creek (O-3) | 44-05529 | 10/24/1980 | 02/22/1996 |
| COMMENTS: Transferred from Permac Inc./Raven Coal Co. | | | | | |
| 1201154 | VA DMLR | Clifton Creek (E-10) | 44-06483 | 10/01/1988 | 10/06/1988 |
| COMMENTS: Transferred from Permac Inc./Raven Coal Co. | | | | | |
| 1201193 | VA DMLR | Ball Creek (B-3) | 44-06527 | 07/25/1989 | 02/24/1989 |
| COMMENTS: Transferred from Permac Inc./Raven Coal Co. | | | | | |
| 1201311 | VA DMLR | Ball Creek (B-4) | 44-06714 | 07/25/1989 | 01/23/1991 |
| COMMENTS: Transferred from Permac Inc./Raven Coal Co. | | | | | |
| 1201325 | VA DMLR | | 44-06635 | 09/01/91 | 03/27/1991 |
| COMMENTS: | | | | | |
| 1201367 | VA DMLR | | 44-05745 | 07/23/91 | 07/23/1991 |
| COMMENTS: Operator - Pigeon Branch Coal | | | | | |
| 1201407 | VA DMLR | Slate Creek (O-2) | 44-05508 | 03/13/1992 | 03/13/1992 |
| COMMENTS: Transferred from Permac Inc./Raven Coal Co. | | | | | |
| 1201412 | VA DMLR | Ball Creek (B-5) | 44-06721 | n/a | 04/28/1992 |
| COMMENTS: Transferred from Permac Inc./Raven Coal Co. | | | | | |

Permittee: Consolidation Coal Company

| Permit Number | State Regulatory Authority | Mine Name | MSHA No. | MSHA Date | Permit Issue Date |
|--|----------------------------|----------------------------|----------|------------|-------------------|
| 1201477 | VA DMLR | Gum Branch (P-33) | 44-06749 | n/a | 09/03/1993 |
| COMMENTS: Trans. from Permac Inc./Raven Coal Co.; Mine is off Rt. 632. | | | | | |
| 1201502 | VA DMLR | Black Eagle | 44-06768 | unknown | 07/20/1994 |
| COMMENTS: | | | | | |
| 1201511 | VA DMLR | Little Hurricane (E-11) | 44-06727 | 01/01/1992 | 08/02/1989 |
| COMMENTS: Transferred from Permac. Mine is off Rt. 628. | | | | | |
| 1201625 | VA DMLR | Nine Mile Branch (P-32) | 44-06613 | 10/31/1990 | 08/20/1990 |
| COMMENTS: Transferred from Permac Inc./Raven Coal Co. | | | | | |
| 1201653 | VA DMLR | | 44-05616 | 11/24/1981 | 08/13/1998 |
| COMMENTS: | | | | | |
| 1201754 | VA DMLR | Amonate - Hipoe #8 | n/a | n/a | 08/09/2000 |
| COMMENTS: | | | | | |
| 1201761 | VA DMLR | | 44-06239 | 8/13/1985 | 11/02/2000 |
| COMMENTS: | | | | | |
| 1201772 | VA DMLR | Jawbone Mine #2 | n/a | n/a | 03/29/2001 |
| COMMENTS: Succession of 1201557 from New Life Energy (Rheinbraun) | | | | | |
| 1300338 | VA DMLR | Prep Plant (P-18) | 44-03236 | 06/01/72 | 12/02/1983 |
| COMMENTS: Transferred from Permac Inc./Raven Coal Co. | | | | | |
| 1300410 | VA DMLR | Amonate P.P. | 46-05449 | 10/07/74 | 12/21/1983 |
| COMMENTS: Refuse area | | | | | |
| 1301107 | VA DMLR | | 44-05746 | 03/29/83 | 03/29/1983 |
| COMMENTS: | | | | | |
| 1301149 | VA DMLR | Bishop P.P. | 46-02380 | 11/15/85 | 12/28/1983 |
| COMMENTS: includes permit 1300464 | | | | | |
| 1301365 | VA DMLR | Bandy #1 Scalp Rock | 1211VAS0 | 06/12/91 | 07/22/1991 |
| COMMENTS: Phase III bond released - 12/11/2002. | | | | | |
| 1301461 | VA DMLR | Fiddle Scalp | 44-05874 | 04/14/82 | |
| COMMENTS: Pending application #0301991 issued 4/17/93; scalped rock disposal area | | | | | |
| 1400047 | VA DMLR | Buchanan | 44-04856 | unknown | 03/08/1993 |
| COMMENTS: | | | | | |
| 1500384 | VA DMLR | Prep Plant Old Refuse Fill | n/a | n/a | 12/15/1983 |
| COMMENTS: Trans. from Permac Inc./Raven Coal; MSHA Impoundment I.D. 1211VA50064053 | | | | | |
| 1700864 | VA DMLR | Prep Plant New Refuse Fill | n/a | n/a | 06/23/1986 |
| COMMENTS: Trans. from Permac Inc./Raven Coal; MSHA Impoundment I.D. 1211VA50064006 | | | | | |
| WV | | | | | |
| I-539 | WV DEP | Booth Tipple | n/a | n/a | 11/17/1988 |
| COMMENTS: | | | | | |

Permittee: Consolidation Coal Company

| Permit Number | State Regulatory Authority | Mine Name | MSHA No. | MSHA Date | Permit Issue Date |
|---|----------------------------|--------------------------------|----------|-----------|-------------------|
| O-1001-00 | WV DEP | Shoemaker | 46-01436 | 00/00/00 | 01/11/2000 |
| COMMENTS: Cunningham Hollow Refuse application approved 4/19/2002, submitted 1/11/00. | | | | | |
| O-1011-93 | WV DEP | Blacksville #2 - Hughes Hollow | 46-01968 | 00/00/00 | 05/17/1995 |
| COMMENTS: | | | | | |
| O-1022-92 | WV DEP | Humphrey refuse | 46-01453 | 00/00/00 | 11/22/1993 |
| COMMENTS: | | | | | |
| O-1044-91 | WV DEP | Loveridge | 46-01433 | 00/00/00 | 06/17/1992 |
| COMMENTS: | | | | | |
| O-11-85 | WV DEP | Itmann plant | 46-02252 | 08/23/85 | 08/10/1995 |
| COMMENTS: name change from Itmann Coal Company 08/10/95 | | | | | |
| O-136-83 | WV DEP | Crane Creek plant | 46-02827 | 00/00/00 | 10/26/1983 |
| COMMENTS: | | | | | |
| O-150-83 | WV DEP | Amonate plant | 46-05449 | 10/07/74 | 11/14/1983 |
| COMMENTS: | | | | | |
| S-4005-01 | WV DEP | Amonate Auger No. 1 | N/A | N/A | 09/06/2001 |
| COMMENTS: Permit approved 9/6/2001. Application submitted 4/20/2001. | | | | | |
| U-100-83 | WV DEP | Four States | 46-01431 | 00/00/00 | 05/18/1983 |
| COMMENTS: | | | | | |
| U-1025-91 | WV DEP | Shoemaker | 46-01436 | 00/00/00 | 12/31/1991 |
| COMMENTS: | | | | | |
| U-1025-92 | WV DEP | Robinson Run #95 | 46-01318 | 00/00/00 | 03/03/1993 |
| COMMENTS: | | | | | |
| U-1045-91 | WV DEP | Shoemaker | 46-01436 | 00/00/00 | 12/23/1991 |
| COMMENTS: | | | | | |
| U-104-83 | WV DEP | Robinson Run #95 | 46-01318 | 00/00/00 | 06/10/1983 |
| COMMENTS: incl. old D-67-82, O-108-83 | | | | | |
| U-11-84 | WV DEP | Turkey Gap | 46-02828 | 00/00/00 | 01/17/1984 |
| COMMENTS: | | | | | |
| U-11-85 | WV DEP | Greasy Creek #2 | 46-07674 | 02/25/85 | 12/19/1995 |
| COMMENTS: | | | | | |
| U-119-83 | WV DEP | Humphrey | 46-01453 | 00/00/00 | 06/10/1983 |
| COMMENTS: | | | | | |
| U-12-84 | WV DEP | Beechfork | 46-02701 | 00/00/00 | 01/17/1984 |
| COMMENTS: | | | | | |
| U-15-84 | WV DEP | Itmann #1 | 46-01540 | 08/23/85 | 08/10/1995 |
| COMMENTS: name change from Itmann Coal Company 08/10/95 | | | | | |
| U-16-84 | WV DEP | Itmann #2 | 46-01885 | 08/23/85 | 08/10/1995 |
| COMMENTS: name change from Itmann Coal Company 08/10/95 | | | | | |

Permittee: Consolidation Coal Company

| Permit Number | State Regulatory Authority | Mine Name | MSHA No. | MSHA Date | Permit Issue Date |
|--|----------------------------|-----------------------|----------|-----------|-------------------|
| U-17-84 | WV DEP | Itmann #3 | 46-01576 | 08/23/85 | 08/10/1995 |
| COMMENTS: name change from Itmann Coal Company 08/10/95 | | | | | |
| U-191-83 | WV DEP | Ireland | 46-01438 | 00/00/00 | 12/26/1983 |
| COMMENTS: | | | | | |
| U-209-83 | WV DEP | Amonate | 46-04421 | 10/07/74 | 11/14/1983 |
| COMMENTS: | | | | | |
| U-214-83 | WV DEP | Bishop | 46-02380 | 10/11/85 | 11/21/1983 |
| COMMENTS: also MSHA 46-01868, 46-02369 | | | | | |
| U-35-85 | WV DEP | Bentley #2 | 46-02312 | 06/29/87 | 06/29/1987 |
| COMMENTS: trans from Bentley Coal; phase II release - 6/5/1998 | | | | | |
| U-4002-98 | WV DEP | Amonate No. 5 Seam | 46-08707 | 3/23/98 | 06/10/1998 |
| COMMENTS: | | | | | |
| U-4004-91 | WV DEP | Squire Jim | 46-08215 | 12/11/91 | 12/11/1991 |
| COMMENTS: | | | | | |
| U-4015-86 | WV DEP | Omega Square haulroad | 46-07353 | 10/10/86 | 10/10/1986 |
| COMMENTS: Phase I release - 1/30/2001 | | | | | |
| U-4016-96 | WV DEP | Big Creek No. 2 | 46-08590 | 02/27/97 | 02/27/1997 |
| COMMENTS: Phase I release - 10/18/2000 | | | | | |
| U-4018-88 | WV DEP | Omega Square | 46-07353 | unknown | 02/07/1989 |
| COMMENTS: Phase I release - 1/31/2001 | | | | | |
| U-4021-89 | WV DEP | Gordy #3 | 46-08018 | 2/17/90 | 01/17/1990 |
| COMMENTS: Phase I release - 5/4/00. Transferred from Katelyn Coal Co. on 7/26/99 | | | | | |
| U-45-84 | WV DEP | Blacksville #1 | 46-01867 | 00/00/00 | 05/30/1984 |
| COMMENTS: mine closed | | | | | |
| U-46-84 | WV DEP | Blacksville #2 | 46-01968 | 00/00/00 | 05/03/1984 |
| COMMENTS: | | | | | |
| U-53-83 | WV DEP | Osage | 46-01455 | 00/00/00 | 03/02/1983 |
| COMMENTS: | | | | | |
| U-70-83 | WV DEP | Arkwright | 46-01452 | 00/00/00 | 03/31/1983 |
| COMMENTS: | | | | | |
| U-78-83 | WV DEP | Loveridge | 46-01433 | 00/00/00 | 09/18/1983 |
| COMMENTS: | | | | | |
| U-86-83 | WV DEP | Pursglove | 46-01454 | 00/00/00 | 05/04/1983 |
| COMMENTS: | | | | | |
| UO-225 | WV DEP | Shoemaker Britts Run | 46-01436 | 00/00/00 | 01/04/1978 |
| COMMENTS: | | | | | |
| UO-431 | WV DEP | Nailler | 46-05620 | 09/01/77 | 06/28/1979 |
| COMMENTS: | | | | | |

Permittee: Consolidation Coal Company

| Permit Number | State Regulatory Authority | Mine Name | MSHA No. | MSHA Date | Permit Issue Date |
|--|-----------------------------------|------------------|-----------------|------------------|--------------------------|
| UO-584 | WV DEP | Turkey Gap shaft | 46-02056 | 00/00/00 | 01/17/1984 |
| COMMENTS: Phase I bond rel. 11/27/97 | | | | | |
| UO-692 | WV DEP | Crane Creek #9 | 46-05941 | 11/01/78 | 06/11/1983 |
| COMMENTS: Phase I release - 12/16/1996 | | | | | |

Permittee: Eighty Four Mining Company

Address: 1800 Washington Road

City: Pittsburgh **State:** PA

ZIP: 15241

Telephone No.: (412) 831-4000

FEIN No.: 25-1696903

Relationship to CONSOL Energy Inc. :

4th Tier Subsidiary

Permittee: Eighty Four Mining Company

| Permit Number | State Regulatory Authority | Mine Name | MSHA No. | MSHA Date | Permit Issue Date |
|----------------------|-----------------------------------|--------------------|-----------------|------------------|--------------------------|
| PA 63743702 | PA DEP | Eighty Four Refuse | 36-00958 | 12/20/76 | 12/27/1985 |
| COMMENTS: | | | | | |
| 63831302 | PA DEP | Eighty Four Mine | 36-00958 | 12/20/76 | 03/30/1987 |
| COMMENTS: | | | | | |

Permittee: Helvetia Coal Company

Address: 1800 Washington Road

City: Pittsburgh **State:** PA

ZIP: 15241

Telephone No.: (412) 831-4000

FEIN No.: 25-1180531

Relationship to CONSOL Energy Inc. :

3rdTier Subsidiary

Permittee: Helvetia Coal Company

| Permit Number | State Regulatory Authority | Mine Name | MSHA No. | MSHA Date | Permit Issue Date |
|--|----------------------------|----------------------|----------|-----------|-------------------|
| PA 32743710 | PA DEP | Helvetia #1 | 36-05374 | n/a | 04/12/1985 |
| COMMENTS: Refuse disposal area | | | | | |
| 32743711 | PA DEP | Helvetia #2 | n/a | n/a | 10/03/1985 |
| COMMENTS: Refuse disposal area | | | | | |
| 32841303 | PA DEP | Lucerne #6 Mine | 36-08210 | n/a | 09/15/1986 |
| COMMENTS: Mining inactive, water treatment continues. | | | | | |
| 32841317 | PA DEP | Lucerne #9 Mine | 36-05374 | n/a | 08/08/1985 |
| COMMENTS: Mining inactive, water treatment continues. (2nd MSHA #: 36-04597) | | | | | |
| 32841320 | PA DEP | Lucerne #8 Mine | 36-04597 | n/a | 04/15/1986 |
| COMMENTS: Mining inactive, water treatment continues. | | | | | |
| 32851302 | PA DEP | Lucerne #6 Extension | 36-07691 | n/a | 02/02/1987 |
| COMMENTS: Mining inactive, water treatment continues. | | | | | |
| 32921302 | PA DEP | Marshall Run Deep | 36-08435 | n/a | 08/13/1993 |
| COMMENTS: Mining inactive | | | | | |

Permittee: Island Creek Coal Company

Address: P.O. Box 566

City: Sesser

State: IL

ZIP: 62884

Telephone No.: (412) 831-4000

FEIN No.: 55-0479426

Relationship to CONSOL Energy Inc. :

2nd Tier Subsidiary

Permittee: Island Creek Coal Company

| Permit Number | State Regulatory Authority | Mine Name | MSHA No. | MSHA Date | Permit Issue Date |
|----------------------|-----------------------------------|-----------------------|-----------------|------------------|--------------------------|
| KY | | | | | |
| 436-8006 | KY DSMRE | Spurlock P.P. | 15-05337 | 8/11/72 | |
| COMMENTS: | | | | | |
| 498-0191 | KY DSMRE | | 15-14097 | 6/20/83 | |
| COMMENTS: | | | | | |
| 498-5372 | KY DSMRE | Big Creek #1 | 15-07475 | 5/7/74 | |
| COMMENTS: | | | | | |
| 498-5423 | KY DSMRE | | not | started | |
| COMMENTS: | | | | | |
| 498-5424 | KY DSMRE | | not | started | |
| COMMENTS: | | | | | |
| 698-5325 | KY DSMRE | | 15-07476 | 10/1/74 | |
| COMMENTS: | | | | | |
| 713-5000 | KY DSMRE | Ohio 11 | 15-13178 | 3/13/73 | |
| COMMENTS: | | | | | |
| 713-5001 | KY DSMRE | Hamilton #2 | 15-02706 | 3/13/73 | |
| COMMENTS: | | | | | |
| 713-5002 | KY DSMRE | Hamilton #1 | 15-02129 | 3/13/73 | |
| COMMENTS: | | | | | |
| 836-5119 | KY DSMRE | | not | started | |
| COMMENTS: | | | | | |
| 898-5234 | KY DSMRE | | not | started | |
| COMMENTS: | | | | | |
| 898-5426 | KY DSMRE | | 15-16867 | 4/17/90 | |
| COMMENTS: | | | | | |
| 898-8011 | KY DSMRE | | 15-05372 | 9/20/72 | |
| COMMENTS: | | | | | |
| VA | | | | | |
| 1300341 | VA DMLR | Saw Mill Storage Area | N/A | N/A | |
| COMMENTS: | | | | | |
| 1400492 | VA DMLR | VP 1 | 44-00246 | 5/12/65 | |
| COMMENTS: | | | | | |

Permittee: Island Creek Coal Company

| Permit Number | State Regulatory Authority | Mine Name | MSHA No. | MSHA Date | Permit Issue Date |
|---|----------------------------|----------------------------|----------|-----------|-------------------|
| 1400493 | VA DMLR | Beatrice Mine | 44-00238 | 6/12/61 | |
| COMMENTS: Transferred from Beatrice Pocahontas on 2/29/2000 | | | | | |
| 1400496 | VA DMLR | Mine #3 | 44-01520 | 11/14/69 | |
| COMMENTS: | | | | | |
| 1400498 | VA DMLR | VP 4 | 44-02134 | 5/19/71 | |
| COMMENTS: | | | | | |
| 1401232 | VA DMLR | VP 2 | 44-01009 | 2/12/68 | |
| COMMENTS: | | | | | |
| 1401489 | VA DMLR | VP 5 | 44-03795 | 9/20/74 | |
| COMMENTS: Permit 1400497 transferred from VP5 Mining Co. & reissued as 1401489. | | | | | |
| 1401531 | VA DMLR | VP 8 | 44-03795 | 9/20/1974 | |
| COMMENTS: Also MSHA # 44-04517 | | | | | |
| WV | | | | | |
| 53-75 | WV DEP | Mill's Creek | 46-02724 | 03/15/73 | |
| COMMENTS: Phase I bond release 07/22/93 | | | | | |
| 59-77 | WV DEP | Mill's Creek | 46-02724 | 03/15/73 | |
| COMMENTS: Phase I bond release 07/22/93 | | | | | |
| D-23-82 | WV DEP | Ritter/Greene | 46-04586 | 12/01/75 | |
| COMMENTS: Phase I bond release 08/ /91 | | | | | |
| D-28-82 | WV DEP | | Not | started | |
| COMMENTS: Not started | | | | | |
| EM-100 | WV DEP | North Portal, 11A airshaft | 46-01309 | 05/09/80 | |
| COMMENTS: | | | | | |
| EM-47 | WV DEP | Phillips #1 | 46-04783 | 05/02/77 | 03/24/1995 |
| COMMENTS: Phase I rel 3/21/91; trans from Phillips Coal Co | | | | | |
| EM-69 | WV DEP | North Branch Airshaft | 46-01309 | 05/09/80 | 02/24/1988 |
| COMMENTS: | | | | | |
| EM-72 | WV DEP | | 46-01308 | 05/09/80 | |
| COMMENTS: | | | | | |
| H-456 | WV DEP | Elk Creek haulroad | n/a | haulroad | 01/04/1993 |
| COMMENTS: | | | | | |
| H-84 | WV DEP | Billy Ridge Road | n/a | haulroad | |
| COMMENTS: Phase I bond release 06/21/89 | | | | | |
| I-678 | WV DEP | North AMD | 46-01309 | 05/09/80 | |
| COMMENTS: | | | | | |
| I-700 | WV DEP | Beaver Creek/Alpine AMD | 46-01308 | 05/09/80 | |
| COMMENTS: | | | | | |

Permittee: Island Creek Coal Company

| Permit Number | State Regulatory Authority | Mine Name | MSHA No. | MSHA Date | Permit Issue Date |
|--|----------------------------|---------------------------|----------|-----------|-------------------|
| O-129-83 | WV DEP | North Branch Fuel Supply | 46-01309 | 050980 | 10/26/1988 |
| COMMENTS: | | | | | |
| O-130-83 | WV DEP | West Refuse Area #1 | 46-02185 | 03/01/74 | 10/26/1988 |
| COMMENTS: | | | | | |
| O-2012-96 | WV DEP | | N/A | N/A | |
| COMMENTS: | | | | | |
| P-590 | WV DEP | Elk Creek #10 plant | 46-02444 | 03/16/73 | 01/04/1993 |
| COMMENTS: | | | | | |
| P-672 | WV DEP | North Prep Plant | 46-01309 | 05/09/80 | |
| COMMENTS: | | | | | |
| P-674 | WV DEP | West Prep Plant | 46-03080 | 04/20/73 | 02/24/1988 |
| COMMENTS: | | | | | |
| S-2019-88 | WV DEP | Knight Ink #1 | Not | started | 09/02/1988 |
| COMMENTS: Not started | | | | | |
| S-5053-86 | WV DEP | Kittanning Strip | 46-07065 | 01/15/86 | 08/18/1991 |
| COMMENTS: Reclaimed; phase I released | | | | | |
| U-5014-97 | WV DEP | Turkeypen #2 Gas | Not | Started | 11/19/1997 |
| COMMENTS: Not Started | | | | | |
| U-5025-96 | WV DEP | Stonecoal Branch, Mine #2 | 46-08663 | 09/16/97 | 02/10/1997 |
| COMMENTS: | | | | | |
| U-5026-97 | WV DEP | School House Alma | Not | Started | 12/15/1997 |
| COMMENTS: Not Started | | | | | |
| U-5029-92 | WV DEP | Pine Creek IV, Mine #1 | 46-08367 | 11/22/93 | 09/24/1993 |
| COMMENTS: Phase I bond release - 12/1/1998 | | | | | |
| U-5042-91 | WV DEP | Stonecoal Branch, Mine #1 | 46-08427 | / /95 | 07/07/1993 |
| COMMENTS: | | | | | |
| U-5050-91 | WV DEP | Old 10K Mine | unknown | unknown | 03/01/1994 |
| COMMENTS: | | | | | |
| U-5051-87 | WV DEP | Pine Creek IV, Mine #2 | 46-08670 | 10/22/97 | 12/13/1994 |
| COMMENTS: Transferred from Thunder Mountain Energy, phase I release - 6/7/2001 | | | | | |
| U-5056-87 | WV DEP | Pine Creek IV, Mine #3 | 46-07437 | 01/14/88 | 10/29/1993 |
| COMMENTS: | | | | | |
| U-5061-86 | WV DEP | S&M #7 | 46-07339 | n/a | 01/01/1996 |
| COMMENTS: Phase I bond release 3/16/99. Transferred from S & M Coal | | | | | |
| U-5074-87 | WV DEP | Wynchester #21-C | 46-07777 | 10/06/89 | 10/29/1993 |
| COMMENTS: Inactive, from Wynchester Mining; also MSHA 46-07776(11/4/94) | | | | | |
| U-5076-86 | WV DEP | Abb's #3 | 46-07293 | 05/06/87 | 10/29/1993 |
| COMMENTS: Inactive, trans. from Abb's Resources Inc. 10/29/93; phase I release - 6/76/2001 | | | | | |

Permittee: Island Creek Coal Company

| Permit Number | State Regulatory Authority | Mine Name | MSHA No. | MSHA Date | Permit Issue Date |
|---|-----------------------------------|------------------------|-----------------|------------------|--------------------------|
| U-5085-86 | WV DEP | Saturn deep | 46-04954 | 12/19/75 | 03/24/1995 |
| COMMENTS: Phase I rel 10/21/91; trans from Saturn Coal Co | | | | | |
| U-58-85 | WV DEP | Har Mat #1 deep | n/a | reclaim | 03/24/1995 |
| COMMENTS: Reclaimed; trans from Har Mat Coal Co Inc 3/24/95 | | | | | |
| UO-30 | WV DEP | West Portal subsidence | 46-05480 | 08/20/84 | |
| COMMENTS: | | | | | |
| UO-531 | WV DEP | Phillips | 46-06172 | 02/27/82 | 03/24/1995 |
| COMMENTS: Phase I rel 6/10/91; trans from Phillips Coal Co | | | | | |
| UO-665 | WV DEP | Har Mat #2 deep | 46-01863 | 10/21/87 | 03/24/1995 |
| COMMENTS: Phase I rel 6/11/93; trans from Har Mat Coal Co | | | | | |

Permittee: Jeffco Coal Company

Address: 1800 Washington Road

City: Pittsburgh **State:** PA

ZIP: 15241

Telephone No.: (412) 831-4000

FEIN No.: 25-1383924

Relationship to CONSOL Energy Inc. :

3rdTier Subsidiary

Permittee: Jeffco Coal Company

| Permit Number | State Regulatory Authority | Mine Name | MSHA No. | MSHA Date | Permit Issue Date |
|----------------------|-----------------------------------|------------------|-----------------|------------------|--------------------------|
|----------------------|-----------------------------------|------------------|-----------------|------------------|--------------------------|

PA

33723006

PA DEP

Wilson #7 Mine

n/a

n/a

07/01/1985

COMMENTS: transferred from Maud Mining Co. 1/17/2002.

Permittee: Kent Coal Mining Company

Address: 1800 Washington Road

City: Pittsburgh **State:** PA **ZIP:** 15241

Telephone No.: (412) 831-4000 **FEIN No.:** 25-1113421

Relationship to CONSOL Energy Inc. : 4th Tier Subsidiary

Permittee: Kent Coal Mining Company

| Permit Number | State Regulatory Authority | Mine Name | MSHA No. | MSHA Date | Permit Issue Date |
|---|----------------------------|---------------------------|----------|-----------|-------------------|
| PA 03793072C | PA DEP | Iselin #10 | 36-02854 | n/a | 02/15/1985 |
| COMMENTS: Completed, water treatment continues. | | | | | |
| 03850105R | PA DEP | Brickchurch #3 Mine | 36-02854 | n/a | 06/19/1984 |
| COMMENTS: | | | | | |
| 03890113 | PA DEP | Margaret #50 | n/a | n/a | 01/25/1991 |
| COMMENTS: Completed/ Stage II | | | | | |
| 2869BSM13 | PA DEP | Iselin #6 | n/a | n/a | 02/13/1975 |
| COMMENTS: Completed/ Stage III/ Water Quality | | | | | |
| 3279103 | PA DEP | Iselin #11 | n/a | n/a | |
| COMMENTS: Completed/ Stage II/ Water Quality | | | | | |
| 32803010 | PA DEP | Kent #56 | 36-02853 | n/a | 08/06/1984 |
| COMMENTS: Completed, water treatment continues. | | | | | |
| 32803037 | PA DEP | Kent #53 | 36-02853 | n/a | 06/27/1984 |
| COMMENTS: Completed/ Stage II | | | | | |
| 32803712 | PA DEP | Lewisville Recovery Plant | 36-02854 | n/a | 01/16/1986 |
| COMMENTS: Completed, water treatment continues. | | | | | |
| 32813031 | PA DEP | Waterman #1 | 36-02853 | n/a | 06/19/1984 |
| COMMENTS: Completed, water treatment continues. | | | | | |
| 32860106 | PA DEP | Kent #55 | n/a | n/a | 07/13/1987 |
| COMMENTS: Completed/ Water Quality | | | | | |
| 32890109 | PA DEP | Kent #57 | 36-07756 | n/a | 10/15/1990 |
| COMMENTS: Completed, water treatment continues. | | | | | |
| 32920102 | PA DEP | Marshall Run Mine #1 | 36-02853 | n/a | 04/14/1993 |
| COMMENTS: Completed/ Stage II | | | | | |
| 32940105 | PA DEP | Lucerne #2 | 36-08403 | n/a | 05/09/1995 |
| COMMENTS: Completed/ Water Quality | | | | | |
| 32970103 | PA DEP | Marshall Run Mine #2 | 36-02853 | n/a | 08/15/1997 |
| COMMENTS: Completed/ Stage II | | | | | |

Permittee: Keystone Coal Mining Corp.

Address: 1800 Washington Road

City: Pittsburgh **State:** PA

ZIP: 15241

Telephone No.: (412) 831-4000

FEIN No.: 25-1323822

Relationship to CONSOL Energy Inc. :

3rdTier Subsidiary

Permittee: Keystone Coal Mining Corp.

| Permit Number | State Regulatory Authority | Mine Name | MSHA No. | MSHA Date | Permit Issue Date |
|---|-----------------------------------|---------------------------|-----------------|------------------|--------------------------|
| PA 03753705 | PA DEP | Urling Nos. 1 & 3 Refuse | 36-04852 | n/a | 09/26/1985 |
| COMMENTS: Refuse disposal area | | | | | |
| 03773706 | PA DEP | Emilie #4 Refuse | 36-06018 | n/a | 05/28/1985 |
| COMMENTS: Refuse disposal area | | | | | |
| 0380302 | PA DEP | Margaret #7 | n/a | n/a | 02/25/1987 |
| COMMENTS: Mining inactive, water treatment continues. | | | | | |
| 03813704 | PA DEP | Keystone #1 | 36-00823 | n/a | 06/28/1985 |
| COMMENTS: Refuse disposal area | | | | | |
| 03831305 | PA DEP | Jane Mine | 36-00823 | n/a | 01/03/1986 |
| COMMENTS: Mining inactive, water treatment continues. | | | | | |
| 03841304 | PA DEP | Margaret 11 | n/a | n/a | 08/27/1985 |
| COMMENTS: | | | | | |
| 03841305 | PA DEP | Emilie Mine | 36-00821 | n/a | 08/11/1986 |
| COMMENTS: | | | | | |
| 03841307 | PA DEP | Emilie #4 Mine | 36-06018 | n/a | 07/28/1986 |
| COMMENTS: Mining inactive, water treatment continues. | | | | | |
| 03851304 | PA DEP | Margaret 11 | 36-08139 | n/a | 04/07/1993 |
| COMMENTS: | | | | | |
| 03891301 | PA DEP | Margaret 11 - No 2 Portal | 36-08139 | n/a | 02/21/1991 |
| COMMENTS: Mining inactive | | | | | |
| 03940701 | PA DEP | Keystone #2 CRD | 36-00821 | n/a | 01/04/1996 |
| COMMENTS: | | | | | |
| 03951601 | PA DEP | Keystone Cleaning Plant | 36-00821 | n/a | 02/29/1996 |
| COMMENTS: | | | | | |
| 03970701 | PA DEP | Keystone #2 | n/a | n/a | |
| COMMENTS: Refuse disposal area | | | | | |
| 3274301 | PA DEP | O'Donnell #4 - Manor 8 | n/a | n/a | 09/05/1974 |
| COMMENTS: Mining inactive, water treatment continues. | | | | | |
| 32841312 | PA DEP | Urling Nos. 1 & 3 Mines | 36-04852 | n/a | 06/10/1986 |
| COMMENTS: Mining inactive, water treatment continues. | | | | | |
| 32841313 | PA DEP | Urling #2 Mine | n/a | n/a | 02/20/1986 |
| COMMENTS: Mining inactive, water treatment continues. | | | | | |

Permittee: Keystone Coal Mining Corp.

| Permit Number | State Regulatory Authority | Mine Name | MSHA No. | MSHA Date | Permit Issue Date |
|---|-----------------------------------|--------------------------|-----------------|------------------|--------------------------|
| 32841321 | PA DEP | O'Donnell Mine #3 | 36-01343 | n/a | 11/15/1995 |
| COMMENTS: Mining inactive | | | | | |
| 32841323 | PA DEP | Urling #3-E | 36-04852 | n/a | 02/20/1986 |
| COMMENTS: Permitted reserve | | | | | |
| 32921301 | PA DEP | Plumcreek #1 Mine | 36-08401 | n/a | 11/07/1993 |
| COMMENTS: Mining inactive. Phase II & partial phase III release on 4/10/2002. | | | | | |
| 32931301 | PA DEP | Dutch Run | 36-04852 | n/a | 04/09/1996 |
| COMMENTS: | | | | | |
| 32941301 | PA DEP | Crooked Creek | 36-08492 | n/a | 01/09/1995 |
| COMMENTS: | | | | | |
| 3576SM24 | PA DEP | Margaret Refuse Recovery | n/a | n/a | |
| COMMENTS: Mining inactive, water treatment continues. | | | | | |
| 500121 | PA DEP | Margaret Refuse | n/a | n/a | |
| COMMENTS: Refuse disposal area | | | | | |

Permittee: Laurel Run Mining Company**Address:** 1800 Washington Road**City:** Pittsburgh **State:** PA **ZIP:** 15241**Telephone No.:** (412) 831-4000**FEIN No.:** 54-0892422**Relationship to CONSOL Energy Inc. :**

3rdTier Subsidiary

Permittee: Laurel Run Mining Company

| Permit Number | State Regulatory Authority | Mine Name | MSHA No. | MSHA Date | Permit Issue Date |
|--|----------------------------|---------------------------|----------|-----------|-------------------|
| PA | | | | | |
| 63841304 | PA DEP | Vesta | n/a | n/a | 12/22/1998 |
| COMMENTS: transfer from Massey; reclamation only | | | | | |
| WV | | | | | |
| EM-74 | WV DEP | Marcus #4 | 46-01239 | 01/07/75 | 04/17/1995 |
| COMMENTS: Phase I rel 8/13/88;trans from Marcus Coal 4/17/95 | | | | | |
| H-477 | WV DEP | Coal Mtn #9 road | n/a | haulroad | 03/02/1990 |
| COMMENTS: | | | | | |
| O-1039-90 | WV DEP | Alpine Refuse #2 | 46-03080 | 05/09/90 | |
| COMMENTS: | | | | | |
| O-31-82 | WV DEP | ROM loadout - Twin Branch | 46-06532 | 06/10/82 | 01/19/1994 |
| COMMENTS: Transfer from Twin Branch Coal Co | | | | | |
| P-586 | WV DEP | Coal Mtn. plant | 46-02446 | 03/16/73 | 03/02/1990 |
| COMMENTS: Inactive | | | | | |
| S-4020-96 | WV DEP | Coal Mountain No. 1 | not | started | 05/07/1997 |
| COMMENTS: | | | | | |
| S-4021-96 | WV DEP | Coal Mountain Valley Fill | not | started | 05/07/1997 |
| COMMENTS: | | | | | |
| U-139-83 | WV DEP | Potomac | 46-02845 | 07/01/85 | |
| COMMENTS: also MSHA 46-04190 (12/20/78), 1211WV30102 (12/75) | | | | | |
| U-5013-93 | WV DEP | Spring Branch | not | started | 02/04/1997 |
| COMMENTS: | | | | | |
| UO-432 | WV DEP | Double E | 46-06088 | 05/10/90 | 04/17/1995 |
| COMMENTS: Reclaimed; trans from Double E Mining 4/17/95 | | | | | |

Permittee: McElroy Coal Company

Address: 1800 Washington Road

City: Pittsburgh **State:** PA

ZIP: 15241

Telephone No.: (412) 831-4000

FEIN No.: 25-1553551

Relationship to CONSOL Energy Inc. :

2nd Tier Subsidiary

Permittee: McElroy Coal Company

| Permit Number | State Regulatory Authority | Mine Name | MSHA No. | MSHA Date | Permit Issue Date |
|----------------------|-----------------------------------|------------------------|-----------------|------------------|--------------------------|
| WV O-1023-92 | WV DEP | McElroy refuse area | 46-01437 | 00/00/00 | 02/10/1996 |
| COMMENTS: | | | | | |
| U-1026-92 | WV DEP | Blakes Ridge - McElroy | 46-01437 | 00/00/00 | 05/04/1993 |
| COMMENTS: | | | | | |
| U-33-83 | WV DEP | McElroy | 46-01437 | 00/00/00 | 02/10/1983 |
| COMMENTS: | | | | | |

Permittee: Quarto Mining Company

Address: 1800 Washington Road

City: Pittsburgh **State:** PA

ZIP: 15241

Telephone No.: (412) 831-4000

FEIN No.: 34-1048622

Relationship to CONSOL Energy Inc. :

2nd Tier Subsidiary

Permittee: Quarto Mining Company

| Permit Number | State Regulatory Authority | Mine Name | MSHA No. | MSHA Date | Permit Issue Date |
|---------------|----------------------------|-------------|----------|-----------|-------------------|
| OH | | | | | |
| D-422 | OH DMRM | Powhatan #7 | 33-02624 | 4/11/87 | 10/19/1984 |
| COMMENTS: | | | | | |
| D-433 | OH DMRM | Powhatan #4 | 33-01157 | 4/11/87 | 11/29/1984 |
| COMMENTS: | | | | | |

Permittee: Southern Ohio Coal Company

Address: P.O. Box 490

City: Athens

State: OH

ZIP: 45701

Telephone No.: (740) 669-2803

FEIN No.: 55-0403282

Relationship to CONSOL Energy Inc. :

2nd Tier Subsidiary

Permittee: Southern Ohio Coal Company

| Permit Number | State Regulatory Authority | Mine Name | MSHA No. | MSHA Date | Permit Issue Date |
|----------------------|-----------------------------------|------------------|-----------------|------------------|--------------------------|
| OH | | | | | |
| D-354 | OH DMRM | Meigs #1 | 33-01172 | n/a | 06/12/1984 |
| COMMENTS: | | | | | |
| D-355 | OH DMRM | Meigs #2 | 33-01173 | n/a | 06/12/1984 |
| COMMENTS: | | | | | |
| D-463 | OH DMRM | Raccoon #3 | 33-02308 | n/a | 04/09/1985 |
| COMMENTS: | | | | | |

Permittee: Windsor Coal Company

Address: P.O. Box 39

City: West Liberty **State:** WV **ZIP:** 26074

Telephone No.: (304) 336-7203 **FEIN No.:** 13-5488703

Relationship to CONSOL Energy Inc. : 2nd Tier Subsidiary

Permittee: Windsor Coal Company

| Permit Number | State Regulatory Authority | Mine Name | MSHA No. | MSHA Date | Permit Issue Date |
|----------------------|-----------------------------------|------------------|-----------------|------------------|--------------------------|
| WV E-128-00 | WV DEP | | 46-01286 | n/a | 01/26/1988 |
| COMMENTS: | | | | | |
| O-485 | WV DEP | | 46-01286 | n/a | 01/17/1985 |
| COMMENTS: | | | | | |
| P-744 | WV DEP | | 46-01286 | n/a | 01/26/1988 |
| COMMENTS: | | | | | |

Permittee: Wolfpen Knob Development Co.

Address: 1800 Washington Road

City: Pittsburgh

State: PA

ZIP: 15241

Telephone No.: (412) 831-4000

FEIN No.: 51-0006522

Relationship to CONSOL Energy Inc. :

1st Tier Subsidiary

Permittee: Wolfpen Knob Development Co.

| Permit Number | State Regulatory Authority | Mine Name | MSHA No. | MSHA Date | Permit Issue Date |
|-----------------|----------------------------|-----------|-----------|-----------|-------------------|
| WV O-1052-91 | WV DEP | | WV30271-0 | 01/28/98 | 01/28/1998 |
| COMMENTS: | | | | | |
| U-2015-92 | WV DEP | | N/A | n/a | 01/28/1998 |
| COMMENTS: | | | | | |

Consol Energy Inc. and Related Companies - Violation History*February 9, 2000 - February 9, 2003*

Attachment Page 1 of 41

Entity to whom violation(s) were issued: CONSOL of Kentucky Inc.

PERMIT NO: 867-8041 MSHA NO: N/A MSHA DATE: 00/00/00
 VIOLATION NO: 53-1053 DATE VIOL. ISSUED: 12/26/2002 ISSUED BY: KY DSMRE
 VIOLATION DESCRIPTION: Failed to properly maintain diversion around raw coal stockpile.

CURRENT STATUS: PENDING STATUS DATE:
 ABATEMENT ACTIONS:

PERMIT NO: 867-5182 MSHA NO: N/A MSHA DATE: 00/00/00
 VIOLATION NO: 53-1050 DATE VIOL. ISSUED: 09/18/2002 ISSUED BY: KY DSMRE
 VIOLATION DESCRIPTION: Off permit disturbance at proposed mine portal.

CURRENT STATUS: TERMINATED STATUS DATE: 12/04/2002
 ABATEMENT ACTIONS: Required work completed, violation terminated.

PERMIT NO: 867-9007 MSHA NO: N/A MSHA DATE: N/A
 VIOLATION NO: 53-1049 DATE VIOL. ISSUED: 08/28/2002 ISSUED BY: KY DSMRE
 VIOLATION DESCRIPTION: (1) Slurry line break discharged slurry to Rockhouse Creek.
 (2) Rockhouse Creek contaminated with slurry spill.

CURRENT STATUS: TERMINATED STATUS DATE: 09/11/2002
 ABATEMENT ACTIONS: Required worked completed, violation terminated.

PERMIT NO: 867-5184 MSHA NO: N/A MSHA DATE: 00/00/00
 VIOLATION NO: 53-0786 DATE VIOL. ISSUED: 06/24/2002 ISSUED BY: KY DSMRE
 VIOLATION DESCRIPTION: Subsidence cracks to surface property have not been repaired
 in a timely manner.

CURRENT STATUS: PENDING STATUS DATE:
 ABATEMENT ACTIONS:

PERMIT NO: 860-9000 MSHA NO: N/A MSHA DATE: N/A
 VIOLATION NO: 43-0526 DATE VIOL. ISSUED: 05/16/2002 ISSUED BY: KY DSMRE
 VIOLATION DESCRIPTION: (1) Refuse embankment not built as designed.
 (2) Pond is full and has no sediment control left.

CURRENT STATUS: PENDING STATUS DATE:
 ABATEMENT ACTIONS: Violation (2) terminated 10/17/2002 since required work is done.
 Extension granted by Director to 10/16/2002.
 Extension granted for violation (1) by Director to 2/17/2003.

Consol Energy Inc. and Related Companies - Violation History*February 9, 2000 - February 9, 2003*

Attachment Page 2 of 41

Entity to whom violation(s) were issued: CONSOL of Kentucky Inc.

PERMIT NO: 867-0428 MSHA NO: N/A MSHA DATE: N/A
 VIOLATION NO: 53-1044 DATE VIOL. ISSUED: 05/14/2002 ISSUED BY: KY DSMRE
 VIOLATION DESCRIPTION: Coal trucks tracking mud off permit.

CURRENT STATUS: TERMINATED STATUS DATE:
 ABATEMENT ACTIONS: Mud was cleaned from road by 1:00 PM on 5/14/02

PERMIT NO: 860-5202 MSHA NO: N/A MSHA DATE: N/A
 VIOLATION NO: 43-0392 DATE VIOL. ISSUED: 05/06/2002 ISSUED BY: KY DSMRE

VIOLATION DESCRIPTION: (1) & (2) Water from breached diversion exceeded iron and suspended solids limits.
 (3) (4) & (5) Failed to properly maintain sediment structures.

CURRENT STATUS: TERMINATED STATUS DATE:
 ABATEMENT ACTIONS: (1) (2) (3) & (5) Required work has been completed by 5/8/02.
 (4) Required work completed.

PERMIT NO: 860-5202 MSHA NO: N/A MSHA DATE: N/A
 VIOLATION NO: 43-0391 DATE VIOL. ISSUED: 04/24/2002 ISSUED BY: KY DSMRE

VIOLATION DESCRIPTION: (1) Two off-permit disturbance areas were created.
 (2) Failed to properly dispose of non-coal waste.

CURRENT STATUS: TERMINATED STATUS DATE: 09/20/2002
 ABATEMENT ACTIONS: (2) Terminated - required actions completed.
 Additional time granted to 10/02/2002.
 (1) Terminated - required actions completed.

PERMIT NO: 860-0390 MSHA NO: N/A MSHA DATE: 00/00/00
 VIOLATION NO: 53-1043 DATE VIOL. ISSUED: 04/04/2002 ISSUED BY: KY DSMRE

VIOLATION DESCRIPTION: Off permit disturbance at Increment #8.
 Notice Modified - 4/15/2002
 Extension granted to 12/4/2002.

CURRENT STATUS: PENDING STATUS DATE:
 ABATEMENT ACTIONS: Extension requested of Director - 10/2/2002.
 Extension granted to 1/15/2003.
 Extension requested of Director.

PERMIT NO: 860-0390 MSHA NO: N/A MSHA DATE: 00/00/00
 VIOLATION NO: 53-1041 DATE VIOL. ISSUED: 03/29/2002 ISSUED BY: KY DSMRE

VIOLATION DESCRIPTION: Operator is using a highwall miner in violation of approved method of operation.
 4/1/2002 - Notice modified.

CURRENT STATUS: TERMINATED STATUS DATE:
 ABATEMENT ACTIONS: Required work completed.

Consol Energy Inc. and Related Companies - Violation History*February 9, 2000 - February 9, 2003*

Attachment Page 3 of 41

Entity to whom violation(s) were issued: CONSOL of Kentucky Inc.

PERMIT NO: 860-5202 MSHA NO: N/A MSHA DATE: N/A
 VIOLATION NO: 43-0384 DATE VIOL. ISSUED: 03/06/2002 ISSUED BY: KY DSMRE
 VIOLATION DESCRIPTION: Failure to pass disturbed area above Access Road A through approved sediment control.

CURRENT STATUS: TERMINATED STATUS DATE: 03/22/2002
 ABATEMENT ACTIONS: Required actions completed.

PERMIT NO: 867-0407 MSHA NO: N/A MSHA DATE: 00/00/00
 VIOLATION NO: 53-0783 DATE VIOL. ISSUED: 02/13/2002 ISSUED BY: KY DSMRE
 VIOLATION DESCRIPTION: (1) Haul road 3 not built to plans. Rebuild & certify or revise permit.

(2) Slide has created offsite disturbance.
 (3) Dugout #3 was not built and certified in a timely manner.
 CURRENT STATUS: TERMINATED STATUS DATE: 11/18/2002
 ABATEMENT ACTIONS: (3) Terminated - work has been completed.
 (1) and (2) Terminated - work has been completed.

PERMIT NO: 867-0405 MSHA NO: N/A MSHA DATE: 00/00/00
 VIOLATION NO: 53-0782 DATE VIOL. ISSUED: 01/25/2002 ISSUED BY: KY DSMRE
 VIOLATION DESCRIPTION: Diversion ditch breached during 4-5 inch rainfall washing dirt and rocks off permit.

CURRENT STATUS: TERMINATED STATUS DATE: 02/12/2002
 ABATEMENT ACTIONS: Required actions have been completed.

PERMIT NO: 860-0390 MSHA NO: N/A MSHA DATE: N/A
 VIOLATION NO: 43-0383 DATE VIOL. ISSUED: 01/24/2002 ISSUED BY: KY DSMRE
 VIOLATION DESCRIPTION: (1) Discharging water from pond P-2 high in settleable solids.
 (2) Discharging high settleable solids water off permit.

CURRENT STATUS: TERMINATED STATUS DATE: 01/30/2002
 ABATEMENT ACTIONS: Required work has been completed.

PERMIT NO: 860-7007 MSHA NO: N/A MSHA DATE: N/A
 VIOLATION NO: 43-0382 DATE VIOL. ISSUED: 01/09/2002 ISSUED BY: KY DSMRE
 VIOLATION DESCRIPTION: (1) Haulroad construction caused off-permit disturbance and did not follow approved grade design.

(2) Failed to monitor air blast as required.
 CURRENT STATUS: TERMINATED STATUS DATE: 07/15/2002
 ABATEMENT ACTIONS: Additional time requested through Director's office - 4/10/2002.
 Additional time requested through Director's office - 5/14/2002
 Additional time granted by Director's office to 7/15/2002

Consol Energy Inc. and Related Companies - Violation History*February 9, 2000 - February 9, 2003*

Attachment Page 4 of 41

Entity to whom violation(s) were issued: CONSOL of Kentucky Inc.

PERMIT NO: 860-5202 MSHA NO: N/A MSHA DATE: N/A
 VIOLATION NO: 43-0380 DATE VIOL. ISSUED: 12/27/2001 ISSUED BY: KY DSMRE
 VIOLATION DESCRIPTION: Failed to pass disturbed area drainage through a pond.

CURRENT STATUS: TERMINATED STATUS DATE: 01/17/2002
 ABATEMENT ACTIONS: Required corrective actions have been made.

PERMIT NO: 860-0390 MSHA NO: N/A MSHA DATE: N/A
 VIOLATION NO: 43-0379 DATE VIOL. ISSUED: 12/21/2001 ISSUED BY: KY DSMRE
 VIOLATION DESCRIPTION: (1) Failed to properly build ponds P-1 & P-2. Both ponds leak.
 (2) Pond P-2 created 0.63 acre off-permit disturbance.
 (3) Failed to follow approved Pond Access Plan

CURRENT STATUS: TERMINATED STATUS DATE: 04/29/2002
 ABATEMENT ACTIONS:

PERMIT NO: 867-5182 MSHA NO: N/A MSHA DATE: N/A
 VIOLATION NO: 53-1038 DATE VIOL. ISSUED: 12/13/2001 ISSUED BY: KY DSMRE
 VIOLATION DESCRIPTION: Failed to follow approved method of operation.

CURRENT STATUS: TERMINATED STATUS DATE: 01/31/2002
 ABATEMENT ACTIONS: Extension granted by inspector.
 Required work has been completed.

PERMIT NO: 860-0312 MSHA NO: N/A MSHA DATE: N/A
 VIOLATION NO: 41-1780 DATE VIOL. ISSUED: 11/13/2001 ISSUED BY: KY DSMRE
 VIOLATION DESCRIPTION: Grading and backfilling work needed on part of Inc. #4

CURRENT STATUS: TERMINATED STATUS DATE: 06/11/2002
 ABATEMENT ACTIONS: Extension granted to 6/17/02 due to wet weather.
 Required work has been completed.

PERMIT NO: S-71-82 MSHA NO: 46-06760 MSHA DATE: 01/16/87
 VIOLATION NO: S-71-82 (40) DATE VIOL. ISSUED: 11/05/2001 ISSUED BY: WV DEP
 VIOLATION DESCRIPTION: Failed to properly maintain pond #1.

CURRENT STATUS: TERMINATED STATUS DATE: 01/10/2002
 ABATEMENT ACTIONS: Pond 1 has been eliminated and the violation terminated.

Consol Energy Inc. and Related Companies - Violation History*February 9, 2000 - February 9, 2003*

Attachment Page 5 of 41

Entity to whom violation(s) were issued: CONSOL of Kentucky Inc.

PERMIT NO: 860-5229 MSHA NO: N/A MSHA DATE: N/A
 VIOLATION NO: 41-1779 DATE VIOL. ISSUED: 10/24/2001 ISSUED BY: KY DSMRE
 VIOLATION DESCRIPTION: Reclamation grading, seeding and drainage control do not meet standards.

CURRENT STATUS: TERMINATED STATUS DATE: 11/13/2001
 ABATEMENT ACTIONS: Backfilling, grading and seeding work completed as required.

PERMIT NO: S-94-85 MSHA NO: 46-06760 MSHA DATE: 01/16/87
 VIOLATION NO: S-94-85 (18) DATE VIOL. ISSUED: 10/09/2001 ISSUED BY: WV DEP
 VIOLATION DESCRIPTION: Failed to renew NPDES permit before it expired.

CURRENT STATUS: TERMINATED STATUS DATE:
 ABATEMENT ACTIONS: Partially abated since NPDES permit renewal is pending
 Violation terminated when NPDES permit was renewed.

PERMIT NO: S-71-82 MSHA NO: 46-06760 MSHA DATE: 01/16/87
 VIOLATION NO: S-71-82 (38/39) DATE VIOL. ISSUED: 10/09/2001 ISSUED BY: WV DEP
 VIOLATION DESCRIPTION: Failed to renew NPDES permit before it expired.

CURRENT STATUS: WITHDRAWN STATUS DATE: 01/10/2002
 ABATEMENT ACTIONS: Partially abated since NPDES permit renewal is pending
 A timely renewal was submitted. Violation is withdrawn.

PERMIT NO: U-5038-86 MSHA NO: 46-06760 MSHA DATE: 01/16/87
 VIOLATION NO: U-5038-86 (6) DATE VIOL. ISSUED: 10/09/2001 ISSUED BY: WV DEP
 VIOLATION DESCRIPTION: Failed to renew NPDES permit before it expired.

CURRENT STATUS: TERMINATED STATUS DATE: 06/25/2002
 ABATEMENT ACTIONS: Partially abated since NPDES permit renewal is pending
 Violation terminated when NPDES permit was renewed.

PERMIT NO: 867-0405 MSHA NO: N/A MSHA DATE: N/A
 VIOLATION NO: 05-1943 DATE VIOL. ISSUED: 09/07/2001 ISSUED BY: KY DSMRE
 VIOLATION DESCRIPTION: Blasting caused imminent danger to off site dwelling.

CURRENT STATUS: TERMINATED STATUS DATE: 09/10/2001
 ABATEMENT ACTIONS: Remedial work has been completed

Consol Energy Inc. and Related Companies - Violation History*February 9, 2000 - February 9, 2003*

Attachment Page 6 of 41

Entity to whom violation(s) were issued: CONSOL of Kentucky Inc.

PERMIT NO: 867-0405 MSHA NO: N/A MSHA DATE: N/A
 VIOLATION NO: 51-2240 DATE VIOL. ISSUED: 09/07/2001 ISSUED BY: KY DSMRE
 VIOLATION DESCRIPTION: (1) Blasting forced boulder off permit to within 200' of a dwelling.
 (2) Off permit disturbance; (3) Blasting posed imminent danger.
 Cease blasting, revise blasting plan to prevent future similar events.
 CURRENT STATUS: TERMINATED STATUS DATE: 09/10/2001
 ABATEMENT ACTIONS: All corrective actions have been taken; violation terminated.

PERMIT NO: 867-0407 MSHA NO: N/A MSHA DATE: 00/00/00
 VIOLATION NO: 51-2192 DATE VIOL. ISSUED: 08/29/2001 ISSUED BY: KY DSMRE
 VIOLATION DESCRIPTION: (1) Material off-permit in several locations.
 (2) Failed to maintain 15' berms. Berms have been disturbed
 and removed. Violation 2 is non-correctable.
 CURRENT STATUS: TERMINATED STATUS DATE:
 ABATEMENT ACTIONS: Additional time requested through Director's office on 10/15/02.
 Extension request to 12/03/2002 granted.
 Required work completed; violation terminated.

PERMIT NO: 860-5010 MSHA NO: N/A MSHA DATE: N/A
 VIOLATION NO: 41-0179 DATE VIOL. ISSUED: 08/17/2001 ISSUED BY: KY DSMRE
 VIOLATION DESCRIPTION: (1) Discharged substandard water from pond.
 (2) KPDES violation for substandard water discharge
 CURRENT STATUS: TERMINATED STATUS DATE: 08/21/2001
 ABATEMENT ACTIONS: Required action taken, pond is not discharging.

PERMIT NO: 860-5202 MSHA NO: N/A MSHA DATE: N/A
 VIOLATION NO: 41-2148 DATE VIOL. ISSUED: 08/14/2001 ISSUED BY: KY DSMRE
 VIOLATION DESCRIPTION: (1) Off permit disturbance adjacent to Increment 3
 (2) Failed to follow pre-blast survey and notification procedures
 before blasting for mine face up #2.
 CURRENT STATUS: TERMINATED STATUS DATE: 12/26/2001
 ABATEMENT ACTIONS: Work for violation (2) finished, violation (2) terminated 10/10/01
 Minor field revision submitted 10/8/01
 Violation (1) terminated 12/26/2001

PERMIT NO: 867-5198 MSHA NO: N/A MSHA DATE: N/A
 VIOLATION NO: 51-2470 DATE VIOL. ISSUED: 08/07/2001 ISSUED BY: KY DSMRE
 VIOLATION DESCRIPTION: Off permit disturbance for ventilation borehole.
 CURRENT STATUS: TERMINATED STATUS DATE: 12/21/2001
 ABATEMENT ACTIONS: Additional time requested through Director's office - 11/05/2001.
 Required work has been completed.

Consol Energy Inc. and Related Companies - Violation History*February 9, 2000 - February 9, 2003*

Attachment Page 7 of 41

Entity to whom violation(s) were issued: CONSOL of Kentucky Inc.

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| PERMIT NO: | 867-0405 | MSHA NO: | N/A | MSHA DATE: | N/A |
| VIOLATION NO: | 51-2190 | DATE VIOL. ISSUED: | 08/06/2001 | ISSUED BY: | KY DSMRE |
| VIOLATION DESCRIPTION: | Sediment pond needs cleaned out. | | | | |

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| CURRENT STATUS: | TERMINATED | STATUS DATE: | 09/10/2001 |
| ABATEMENT ACTIONS: | Found pond 50% cleaned out on 9/4/2001. All coorrective actions have been taken | | |

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| PERMIT NO: | 867-0404 | MSHA NO: | N/A | MSHA DATE: | 00/00/00 |
| VIOLATION NO: | 51-2191 | DATE VIOL. ISSUED: | 08/06/2001 | ISSUED BY: | KY DSMRE |
| VIOLATION DESCRIPTION: | (1) Pond 3, Incr 7 is full of sediment. (2) Off permit disturbance occurred. | | | | |

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| CURRENT STATUS: | TERMINATED | STATUS DATE: | 09/05/2001 |
| ABATEMENT ACTIONS: | Required work has been completed. | | |

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| PERMIT NO: | 860-0312 | MSHA NO: | N/A | MSHA DATE: | N/A |
| VIOLATION NO: | 41-1777 | DATE VIOL. ISSUED: | 08/02/2001 | ISSUED BY: | KY DSMRE |
| VIOLATION DESCRIPTION: | Failed to certify sediment structures #2 and #5 | | | | |

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| CURRENT STATUS: | TERMINATED | STATUS DATE: | 08/17/2001 |
| ABATEMENT ACTIONS: | Required certifications were submitted. | | |

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| PERMIT NO: | 860-5202 | MSHA NO: | N/A | MSHA DATE: | N/A |
| VIOLATION NO: | 41-1071 | DATE VIOL. ISSUED: | 07/23/2001 | ISSUED BY: | KY DSMRE |
| VIOLATION DESCRIPTION: | (1) Off permit disturbance (2) Section of Road B was not built to approved plans. | | | | |

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| CURRENT STATUS: | TERMINATED | STATUS DATE: | 03/22/2002 |
| ABATEMENT ACTIONS: | (1) Required actions completed; KAR 7:040 terminated (2) Required actions completed; KAR 18:230 terminated | | |

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| PERMIT NO: | 867-0405 | MSHA NO: | N/A | MSHA DATE: | N/A |
| VIOLATION NO: | 51-2188 | DATE VIOL. ISSUED: | 07/23/2001 | ISSUED BY: | KY DSMRE |
| VIOLATION DESCRIPTION: | (1) Flyrock traveled along ground & off-permit. (2) Off permit disturbance due to blasting (3) Company allowed unsafe blasting practices | | | | |

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| CURRENT STATUS: | TERMINATED | STATUS DATE: | 02/12/2002 |
| ABATEMENT ACTIONS: | Corrective actions completed for (1) and (3) Additional time being requested through the Director Permit revision approved to abate violation 2. | | |

Consol Energy Inc. and Related Companies - Violation History*February 9, 2000 - February 9, 2003*

Attachment Page 8 of 41

Entity to whom violation(s) were issued: CONSOL of Kentucky Inc.

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|------------------------|---|--------------------|------------|------------|----------|
| PERMIT NO: | 867-0405 | MSHA NO: | N/A | MSHA DATE: | N/A |
| VIOLATION NO: | 05-3041 | DATE VIOL. ISSUED: | 07/23/2001 | ISSUED BY: | KY DSMRE |
| VIOLATION DESCRIPTION: | Blasting caused imminent danger to off site dwelling. | | | | |

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| CURRENT STATUS: | TERMINATED | STATUS DATE: | 07/26/2001 |
| ABATEMENT ACTIONS: | Remedial work has been completed | | |

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| PERMIT NO: | 867-0405 | MSHA NO: | N/A | MSHA DATE: | N/A |
| VIOLATION NO: | 51-2187 | DATE VIOL. ISSUED: | 07/12/2001 | ISSUED BY: | KY DSMRE |
| VIOLATION DESCRIPTION: | (1) Blasting forced boulder off permit to within 300' of a dwelling. (2) Off permit disturbance; (3) Blasting posed imminent danger. (4) Failed to notify Cabinet of emergency condition (non-correctable). | | | | |

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| CURRENT STATUS: | TERMINATED | STATUS DATE: | 07/20/2001 |
| ABATEMENT ACTIONS: | Violations (2) & (3) remedial work completed. Revised blasting plan approved. | | |

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| PERMIT NO: | 867-0405 | MSHA NO: | N/A | MSHA DATE: | N/A |
| VIOLATION NO: | 05-3044 | DATE VIOL. ISSUED: | 07/12/2001 | ISSUED BY: | KY DSMRE |
| VIOLATION DESCRIPTION: | Blasting caused imminent danger to off site dwelling. | | | | |

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| CURRENT STATUS: | TERMINATED | STATUS DATE: | 07/13/2001 |
| ABATEMENT ACTIONS: | Required actions completed | | |

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| PERMIT NO: | 860-5202 | MSHA NO: | N/A | MSHA DATE: | N/A |
| VIOLATION NO: | 41-2145 | DATE VIOL. ISSUED: | 06/21/2001 | ISSUED BY: | KY DSMRE |
| VIOLATION DESCRIPTION: | Failed to properly build Hollowfill #1 rock underdrain | | | | |

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| CURRENT STATUS: | TERMINATED | STATUS DATE: | 09/18/2001 |
| ABATEMENT ACTIONS: | Required work has been completed. | | |

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| PERMIT NO: | 867-0404 | MSHA NO: | N/A | MSHA DATE: | N/A |
| VIOLATION NO: | 51-2069 | DATE VIOL. ISSUED: | 04/04/2001 | ISSUED BY: | KY DSMRE |
| VIOLATION DESCRIPTION: | Off permit disturbance | | | | |

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| CURRENT STATUS: | PENDING | STATUS DATE: | |
| ABATEMENT ACTIONS: | Additional time being requested through director - 9/5/01 | | |

Consol Energy Inc. and Related Companies - Violation History*February 9, 2000 - February 9, 2003*

Attachment Page 9 of 41

Entity to whom violation(s) were issued: CONSOL of Kentucky Inc.

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|------------------------|---|--------------------|------------|------------|----------|
| PERMIT NO: | 860-0333 | MSHA NO: | N/A | MSHA DATE: | 00/00/00 |
| VIOLATION NO: | 41-1776 | DATE VIOL. ISSUED: | 04/02/2001 | ISSUED BY: | KY DSMRE |
| VIOLATION DESCRIPTION: | (1) Slides & slumps on increment #4 between ponds 4 & 5. (2) Slide has moved off permit. | | | | |

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| CURRENT STATUS: | TERMINATED | STATUS DATE: | 03/11/2002 |
| ABATEMENT ACTIONS: | Required work for 405 KAR 7:040 completed. Extension granted to complete work on (1) Required work for 405 KAR 16:190 completed. | | |

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| PERMIT NO: | 860-5202 | MSHA NO: | N/A | MSHA DATE: | 00/00/00 |
| VIOLATION NO: | 41-2132 | DATE VIOL. ISSUED: | 04/02/2001 | ISSUED BY: | KY DSMRE |
| VIOLATION DESCRIPTION: | Dugout sediment pond discharge exceeded iron limits. | | | | |

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| CURRENT STATUS: | TERMINATED | STATUS DATE: | 04/04/2001 |
| ABATEMENT ACTIONS: | Water treated for iron, discharge is in compliance. | | |

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| PERMIT NO: | 867-5182 | MSHA NO: | N/A | MSHA DATE: | 00/00/00 |
| VIOLATION NO: | 51-2114 | DATE VIOL. ISSUED: | 03/30/2001 | ISSUED BY: | KY DSMRE |
| VIOLATION DESCRIPTION: | Approved mine plan 50% coal recovery exceeded in certain area. | | | | |

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| CURRENT STATUS: | PENDING | STATUS DATE: | |
| ABATEMENT ACTIONS: | Permit revision has been requested. Extension request to 7/29/2002 granted. Additional time requested of Director - 8/2/02. | | |

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| PERMIT NO: | 867-0404 | MSHA NO: | N/A | MSHA DATE: | 00/00/00 |
| VIOLATION NO: | 51-2075 | DATE VIOL. ISSUED: | 03/07/2001 | ISSUED BY: | KY DSMRE |
| VIOLATION DESCRIPTION: | Haulroad #1 on Increment #1 not built according to plans | | | | |

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| CURRENT STATUS: | PENDING | STATUS DATE: | |
| ABATEMENT ACTIONS: | Permit revision was requested. Additional time being requested through director on 9/5/2001. | | |

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|------------------------|--|--------------------|------------|------------|----------|
| PERMIT NO: | 867-0405 | MSHA NO: | N/A | MSHA DATE: | 00/00/00 |
| VIOLATION NO: | 51-2071 | DATE VIOL. ISSUED: | 02/26/2001 | ISSUED BY: | KY DSMRE |
| VIOLATION DESCRIPTION: | (1) Failure to pass all drainage thru a pond-non correctable (2) Substandard water entered stream - non correctable | | | | |

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| CURRENT STATUS: | TERMINATED | STATUS DATE: | 02/26/2000 |
| ABATEMENT ACTIONS: | Violations were non correctable | | |

Consol Energy Inc. and Related Companies - Violation History*February 9, 2000 - February 9, 2003*

Attachment Page 10 of 41

Entity to whom violation(s) were issued: CONSOL of Kentucky Inc.

PERMIT NO: 867-0404 MSHA NO: N/A MSHA DATE: 00/00/00
 VIOLATION NO: 51-2067 DATE VIOL. ISSUED: 02/20/2001 ISSUED BY: KY DSMRE
 VIOLATION DESCRIPTION: (1) mining has exceeded the 4,500' contemporaneous variance
 (2) ponds are not built, certified or maintained as approved

CURRENT STATUS: TERMINATED STATUS DATE: 12/02/2002
 ABATEMENT ACTIONS: Extension requested of Director on 7/22/02.
 FINAL Extension granted to 11/26/2002 by Director.
 Required work has been completed, violation terminated.

PERMIT NO: 867-0405 MSHA NO: N/A MSHA DATE: 00/00/00
 VIOLATION NO: 51-2070 DATE VIOL. ISSUED: 02/16/2001 ISSUED BY: KY DSMRE
 VIOLATION DESCRIPTION: Slides off permit have occurred at Access Road B, Incr. 1.

CURRENT STATUS: TERMINATED STATUS DATE: 02/12/2002
 ABATEMENT ACTIONS: Additional time being requested through director - 5/18/01
 Additional time granted by director thru 12/17/2001
 Required work has been completed.

PERMIT NO: 867-9007 MSHA NO: N/A MSHA DATE: N/A
 VIOLATION NO: 51-1993 DATE VIOL. ISSUED: 12/04/2000 ISSUED BY: KY DSMRE
 VIOLATION DESCRIPTION: Coarse refuse placed above approved elevation.

CURRENT STATUS: TERMINATED STATUS DATE: 08/30/2002
 ABATEMENT ACTIONS: Additional time requested through Director's office - 6/27/2002.
 Extension request to 8/29/2002 granted.
 Required work has been completed.

PERMIT NO: 867-0405 MSHA NO: N/A MSHA DATE: 00/00/00
 VIOLATION NO: 51-1866 DATE VIOL. ISSUED: 11/20/2000 ISSUED BY: KY DSMRE
 VIOLATION DESCRIPTION: Slide occurred off permit.

CURRENT STATUS: TERMINATED STATUS DATE: 01/04/2001
 ABATEMENT ACTIONS: required remedial work has been completed

PERMIT NO: 860-5010 MSHA NO: N/A MSHA DATE: 00/00/00
 VIOLATION NO: 41-0167 DATE VIOL. ISSUED: 11/01/2000 ISSUED BY: KY DSMRE
 VIOLATION DESCRIPTION: Constructed deep mine openings on wrong side of drainage.

CURRENT STATUS: TERMINATED STATUS DATE: 11/20/2000
 ABATEMENT ACTIONS: Revision submitted and subsequently approved on 11/13/00.

Consol Energy Inc. and Related Companies - Violation History*February 9, 2000 - February 9, 2003*

Attachment Page 11 of 41

Entity to whom violation(s) were issued: CONSOL of Kentucky Inc.

PERMIT NO: 867-0394 MSHA NO: N/A MSHA DATE: 00/00/00
 VIOLATION NO: 51-2401 DATE VIOL. ISSUED: 09/18/2000 ISSUED BY: KY DSMRE
 VIOLATION DESCRIPTION: blasting record deficiencies from 3/2 - 3/30/2000

CURRENT STATUS: TERMINATED STATUS DATE: 10/20/2000
 ABATEMENT ACTIONS: deficiencies in blasting records corrected

PERMIT NO: 867-0404 MSHA NO: N/A MSHA DATE: 00/00/00
 VIOLATION NO: 51-1864 DATE VIOL. ISSUED: 08/24/2000 ISSUED BY: KY DSMRE
 VIOLATION DESCRIPTION: Problems with sedimentation ponds and diversions.

CURRENT STATUS: TERMINATED STATUS DATE: 11/21/2000
 ABATEMENT ACTIONS: Necessary actions taken.

PERMIT NO: 867-0407 MSHA NO: N/A MSHA DATE: 00/00/00
 VIOLATION NO: 51-1863 DATE VIOL. ISSUED: 08/10/2000 ISSUED BY: KY DSMRE
 VIOLATION DESCRIPTION: failed to construct access road 6 according to approved plans

CURRENT STATUS: TERMINATED STATUS DATE: 11/17/2000
 ABATEMENT ACTIONS: Minor revision #1 issued 11/14/00.

PERMIT NO: 867-0404 MSHA NO: N/A MSHA DATE: 00/00/00
 VIOLATION NO: 51-1862 DATE VIOL. ISSUED: 08/10/2000 ISSUED BY: KY DSMRE
 VIOLATION DESCRIPTION: (1) ponds BS17 & BS19 have not been built; BS20 was not
 build to plans.

(2) pond BS20 discharged substandard water
 CURRENT STATUS: PENDING STATUS DATE:
 ABATEMENT ACTIONS:

PERMIT NO: 867-5192 MSHA NO: N/A MSHA DATE: 00/00/00
 VIOLATION NO: 51-1879 DATE VIOL. ISSUED: 06/07/2000 ISSUED BY: KY DSMRE
 VIOLATION DESCRIPTION: ventilation boreholes not on permitted area

CURRENT STATUS: TERMINATED STATUS DATE: 03/30/2001
 ABATEMENT ACTIONS: extension past 10/23/00 for permit revision was requested
 extension past 12/29/00 for permit revision was requested
 permit revisions approved

Consol Energy Inc. and Related Companies - Violation History*February 9, 2000 - February 9, 2003*

Attachment Page 12 of 41

Entity to whom violation(s) were issued: CONSOL of Kentucky Inc.

PERMIT NO: 867-0383 MSHA NO: N/A MSHA DATE: 00/00/00
 VIOLATION NO: 51-1877 DATE VIOL. ISSUED: 03/29/2000 ISSUED BY: KY DSMRE
 VIOLATION DESCRIPTION: ponds 4 & 5 not built according to permit requirements

CURRENT STATUS: TERMINATED STATUS DATE: 08/15/2000
 ABATEMENT ACTIONS: permit revision is being requested
 permit revision approved

PERMIT NO: 860-8005 MSHA NO: 15-17021 MSHA DATE: 11/30/90
 VIOLATION NO: 41-1714 DATE VIOL. ISSUED: 03/14/2000 ISSUED BY: KY DSMRE
 VIOLATION DESCRIPTION: 8:010, stockpiled coal overtopped berm short circuiting pond 5
 16:150, 18:150 grease improperly disposed in pond 6

CURRENT STATUS: TERMINATED STATUS DATE: 04/17/2000
 ABATEMENT ACTIONS: grease cleaned up and properly disposed
 coal cleaned up and drainage work completed

PERMIT NO: 867-0404 MSHA NO: N/A MSHA DATE: 00/00/00
 VIOLATION NO: 51-2072 DATE VIOL. ISSUED: 02/26/2000 ISSUED BY: KY DSMRE
 VIOLATION DESCRIPTION: (1)Discharged substandard water from Inc. 12
 (2)Discharged substandard water from Inc. 10

CURRENT STATUS: TERMINATED STATUS DATE: 02/26/2000
 ABATEMENT ACTIONS:

Consol Energy Inc. and Related Companies - Violation History*February 9, 2000 - February 9, 2003*

Attachment Page 13 of 41

Entity to whom violation(s) were issued: Consol Pennsylvania Coal Company

| | | | | | |
|---|---------------|--------------------|------------|------------|----------|
| PERMIT NO: | Y-1007-99 | MSHA NO: | 36-07230 | MSHA DATE: | 10/01/81 |
| VIOLATION NO: | Y-1007-99 (1) | DATE VIOL. ISSUED: | 06/04/2002 | ISSUED BY: | WV DEP |
| VIOLATION DESCRIPTION: Failed to perform and obtain approval of pre-subsidence surveys. | | | | | |

| | | | |
|--------------------|--|--------------|------------|
| CURRENT STATUS: | TERMINATED | STATUS DATE: | 06/24/2002 |
| ABATEMENT ACTIONS: | Required pre-subsidence survey work was conducted. | | |

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|---------------|----------|--------------------|------------|------------|----------|
| PERMIT NO: | 30841316 | MSHA NO: | 36-07230 | MSHA DATE: | 10/01/81 |
| VIOLATION NO: | 011033 | DATE VIOL. ISSUED: | 05/08/2001 | ISSUED BY: | PA DEP |

VIOLATION DESCRIPTION: (1) Unpermitted discharge of mine water to unnamed Enlow Fork
trib from broken nipple on pressure gage on line to slurry pond.
(2) Failure to report unpermitted discharge.

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|--------------------|---|--------------|------------|
| CURRENT STATUS: | TERMINATED | STATUS DATE: | 05/08/2001 |
| ABATEMENT ACTIONS: | Fixed valve nipple and stopped potential discharge. | | |

Consol Energy Inc. and Related Companies - Violation History*February 9, 2000 - February 9, 2003*

Attachment Page 14 of 41

Entity to whom violation(s) were issued: Consolidation Coal Company

| | | | | | |
|---|--|--------------------|------------|--------------|------------|
| PERMIT NO: | 1400047 | MSHA NO: | 44-04856 | MSHA DATE: | n/a |
| VIOLATION NO: | TIM0003177 | DATE VIOL. ISSUED: | 01/13/2003 | ISSUED BY: | VA DMLR |
| VIOLATION DESCRIPTION: All required groundwater monitoring sites were not sampled for 3rd quarter 2002. | | | | | |
| CURRENT STATUS: | TERMINATED, NON-REMEDIAL | | | STATUS DATE: | 01/13/2003 |
| ABATEMENT ACTIONS: | no action is required; violation is non-remedial | | | | |

| | | | | | |
|--|-------------|--------------------|------------|--------------|----------|
| PERMIT NO: | ACT/015/015 | MSHA NO: | 42-00079 | MSHA DATE: | 05/13/75 |
| VIOLATION NO: | N 03-39-1-1 | DATE VIOL. ISSUED: | 01/09/2003 | ISSUED BY: | UT DOGM |
| VIOLATION DESCRIPTION: Coal fines from stockpile were blown outside of permitted area. | | | | | |
| CURRENT STATUS: | PENDING | | | STATUS DATE: | |
| ABATEMENT ACTIONS: | | | | | |

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|--|---------------|--------------------|------------|--------------|--------|
| PERMIT NO: | O-1001-00 | MSHA NO: | 46-01436 | MSHA DATE: | n/a |
| VIOLATION NO: | O-1001-00 (2) | DATE VIOL. ISSUED: | 01/03/2003 | ISSUED BY: | WV DEP |
| VIOLATION DESCRIPTION: Failed to protect hydrologic balance by allowing discolored discharge to Boggs Run. | | | | | |
| CURRENT STATUS: | PENDING | | | STATUS DATE: | |
| ABATEMENT ACTIONS: | | | | | |

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|---|---|--------------------|------------|--------------|------------|
| PERMIT NO: | 1201653 | MSHA NO: | 44-05616 | MSHA DATE: | 11/24/1981 |
| VIOLATION NO: | TMM0002968 | DATE VIOL. ISSUED: | 12/11/2002 | ISSUED BY: | VA DMLR |
| VIOLATION DESCRIPTION: Suspended solids effluent violation on 9/25/02 at Outfall 003. | | | | | |
| CURRENT STATUS: | TERMINATED | | | STATUS DATE: | 12/11/2002 |
| ABATEMENT ACTIONS: | Non-remedial; terminated on date of issuance. | | | | |

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|--|------------------|--------------------|------------|--------------|--------|
| PERMIT NO: | U-1025-91 | MSHA NO: | 46-01436 | MSHA DATE: | n/a |
| VIOLATION NO: | W-02-M-120602-01 | DATE VIOL. ISSUED: | 12/06/2002 | ISSUED BY: | WV DEP |
| VIOLATION DESCRIPTION: Allowed petroleum product to escape from a storage container such that it could impact groundwater quality. | | | | | |
| CURRENT STATUS: | PENDING | | | STATUS DATE: | |
| ABATEMENT ACTIONS: | | | | | |

Consol Energy Inc. and Related Companies - Violation History*February 9, 2000 - February 9, 2003*

Attachment Page 15 of 41

Entity to whom violation(s) were issued: Consolidation Coal Company

PERMIT NO: U-1025-91 MSHA NO: 46-01436 MSHA DATE: n/a
 VIOLATION NO: W-02-M-120602-02 DATE VIOL. ISSUED: 12/06/2002 ISSUED BY: WV DEP
 VIOLATION DESCRIPTION: Stored drums whose contents could contaminate groundwater
 in a manner that would not contain spills.

CURRENT STATUS: PENDING STATUS DATE:
 ABATEMENT ACTIONS:

PERMIT NO: U-1025-91 MSHA NO: 46-01436 MSHA DATE: n/a
 VIOLATION NO: U-1025-91 (32) DATE VIOL. ISSUED: 12/05/2002 ISSUED BY: WV DEP
 VIOLATION DESCRIPTION: Indiscriminate dumping or disposal of material.

CURRENT STATUS: PENDING STATUS DATE:
 ABATEMENT ACTIONS:

PERMIT NO: O-150-83 MSHA NO: 46-05449 MSHA DATE: n/a
 VIOLATION NO: NOV Division of W DATE VIOL. ISSUED: 11/14/2002 ISSUED BY: WV DEP
 VIOLATION DESCRIPTION: Failed to clean up released used oil.
 Failed to label "used oil" containers.

CURRENT STATUS: PENDING STATUS DATE:
 ABATEMENT ACTIONS:

PERMIT NO: O-1001-00 MSHA NO: 46-01436 MSHA DATE: n/a
 VIOLATION NO: O-1001-00 (1) DATE VIOL. ISSUED: 10/22/2002 ISSUED BY: WV DEP
 VIOLATION DESCRIPTION: Failed to install drainage control prior to mining activities

CURRENT STATUS: PENDING STATUS DATE:
 ABATEMENT ACTIONS:

PERMIT NO: ACT/015/015 MSHA NO: 42-00079 MSHA DATE: 05/13/75
 VIOLATION NO: N 02-39-2-1 DATE VIOL. ISSUED: 10/22/2002 ISSUED BY: UT DOGM
 VIOLATION DESCRIPTION: Failed to protect vegetation and topsoil in undisturbed area by
 allowing vehicles to travel over and park in these areas.

CURRENT STATUS: TERMINATED STATUS DATE: 11/26/2002
 ABATEMENT ACTIONS: Required work completed; abatement plan submitted on time.

Consol Energy Inc. and Related Companies - Violation History*February 9, 2000 - February 9, 2003*

Attachment Page 16 of 41

Entity to whom violation(s) were issued: Consolidation Coal Company

PERMIT NO: 1201129 MSHA NO: 46-01868 MSHA DATE: 09/01/85
 VIOLATION NO: TMM0002862 DATE VIOL. ISSUED: 09/24/2002 ISSUED BY: VA DMLR
 VIOLATION DESCRIPTION: Company reported Discharge 004 discharge results that exceeded iron limits for the months of March, April, May and June 2002.

CURRENT STATUS: TERMINATED STATUS DATE: 09/24/2002
 ABATEMENT ACTIONS: Violation is non-remedial.

PERMIT NO: ACT/015/015 MSHA NO: 42-00079 MSHA DATE: 05/13/75
 VIOLATION NO: C02-39-1-1 DATE VIOL. ISSUED: 09/17/2002 ISSUED BY: UT DOGM
 VIOLATION DESCRIPTION: Operated unlicensed mine vehicle on public roads.

CURRENT STATUS: TERMINATED STATUS DATE: 09/17/2002
 ABATEMENT ACTIONS: Permittee committed to not driving unlicensed mine vehicles outside of permit area.

PERMIT NO: ACT/015/015 MSHA NO: 42-00079 MSHA DATE: 05/13/75
 VIOLATION NO: N02-39-1-2 DATE VIOL. ISSUED: 09/13/2002 ISSUED BY: UT DOGM
 VIOLATION DESCRIPTION: (1) semi-trailer parked on area where topsoil and vegetation was not removed.
 (2) Sediment containing water flowed off-site by main gate.

CURRENT STATUS: TERMINATED STATUS DATE: 09/17/2002
 ABATEMENT ACTIONS: Required actions have been taken violations terminated.

PERMIT NO: U-1025-91 MSHA NO: 46-01436 MSHA DATE: n/a
 VIOLATION NO: U-1025-91 (31) DATE VIOL. ISSUED: 08/12/2002 ISSUED BY: WV DEP
 VIOLATION DESCRIPTION: Failed to comply with administrative order issued 6/10/02.

CURRENT STATUS: PENDING STATUS DATE:
 ABATEMENT ACTIONS:

PERMIT NO: U-11-84 MSHA NO: 46-01443 MSHA DATE: 00/00/00
 VIOLATION NO: U-11-84 (9) DATE VIOL. ISSUED: 08/09/2002 ISSUED BY: WV DEP
 VIOLATION DESCRIPTION: Failed to comply with administrative order issued 6/5/02.

CURRENT STATUS: WITHDRAWN STATUS DATE: 10/03/2002
 ABATEMENT ACTIONS: Violation was withdrawn based on decision of the West Virginia Surface Mine Board

Consol Energy Inc. and Related Companies - Violation History*February 9, 2000 - February 9, 2003*

Attachment Page 17 of 41

Entity to whom violation(s) were issued: Consolidation Coal Company

PERMIT NO: U-78-83 MSHA NO: 46-01433 MSHA DATE: n/a
 VIOLATION NO: U-78-83 (33) DATE VIOL. ISSUED: 08/07/2002 ISSUED BY: WV DEP
 VIOLATION DESCRIPTION: Failed to comply with administrative order issued 6/7/02.

CURRENT STATUS: PENDING STATUS DATE:
 ABATEMENT ACTIONS:

PERMIT NO: U-104-83 MSHA NO: 46-01318 MSHA DATE: n/a
 VIOLATION NO: U-104-83 (50) DATE VIOL. ISSUED: 08/07/2002 ISSUED BY: WV DEP
 VIOLATION DESCRIPTION: Failed to comply with administrative order issued 6/7/02.

CURRENT STATUS: PENDING STATUS DATE:
 ABATEMENT ACTIONS:

PERMIT NO: U-46-84 MSHA NO: 46-01968 MSHA DATE: 00/00/00
 VIOLATION NO: U-46-84 (24) DATE VIOL. ISSUED: 08/07/2002 ISSUED BY: WV DEP
 VIOLATION DESCRIPTION: Failed to comply with administrative order issued 6/6/02.

CURRENT STATUS: WITHDRAWN STATUS DATE: 10/09/2002
 ABATEMENT ACTIONS: Violation was withdrawn based on decision of the West Virginia
 Surface Mine Board

PERMIT NO: U-45-84 MSHA NO: 46-01867 MSHA DATE: 00/00/00
 VIOLATION NO: U-45-84 (13) DATE VIOL. ISSUED: 08/07/2002 ISSUED BY: WV DEP
 VIOLATION DESCRIPTION: Failed to comply with administrative order issued 6/6/02.

CURRENT STATUS: WITHDRAWN STATUS DATE: 10/09/2002
 ABATEMENT ACTIONS: Violation was withdrawn based on decision of the West Virginia
 Surface Mine Board

PERMIT NO: U-214-83 MSHA NO: 46-01886 MSHA DATE: 09/01/85
 VIOLATION NO: U-214-83 (10) DATE VIOL. ISSUED: 08/06/2002 ISSUED BY: WV DEP
 VIOLATION DESCRIPTION: Failed to comply with administrative order issued 6/3/02.

CURRENT STATUS: WITHDRAWN STATUS DATE: 10/07/2002
 ABATEMENT ACTIONS: Violation was withdrawn based on decision of the West Virginia
 Surface Mine Board

Consol Energy Inc. and Related Companies - Violation History*February 9, 2000 - February 9, 2003*

Attachment Page 20 of 41

Entity to whom violation(s) were issued: Consolidation Coal Company

PERMIT NO: D-0784 MSHA NO: 33-04143 MSHA DATE: 09/01/88
 VIOLATION NO: 19619 DATE VIOL. ISSUED: 02/28/2002 ISSUED BY: OH DMRM
 VIOLATION DESCRIPTION: Severe erosion exists on drainageway leading to pond #013.

CURRENT STATUS: TERMINATED STATUS DATE: 07/10/2002
 ABATEMENT ACTIONS: Required actions completed, violation terminated.

PERMIT NO: U-1025-91 MSHA NO: 46-01436 MSHA DATE: n/a
 VIOLATION NO: U-1025-91 (29) DATE VIOL. ISSUED: 02/07/2002 ISSUED BY: WV DEP
 VIOLATION DESCRIPTION: Failed to control dust from haulroads and/or access roads.

CURRENT STATUS: TERMINATED STATUS DATE: 02/08/2002
 ABATEMENT ACTIONS: Effective road watering was implemented

PERMIT NO: 1301107 MSHA NO: 44-05746 MSHA DATE: 03/29/1983
 VIOLATION NO: TMM0002558 DATE VIOL. ISSUED: 02/04/2002 ISSUED BY: VA DMLR
 VIOLATION DESCRIPTION: (1) Slide in backfill entered ditch TD-1 & destroyed piezometer P-1.
 (2) Failed to properly maintain diversion ditches TD-1 & TD-1A.
 (3) Failed to maintain piezometer P-1 as per monitoring plan.

CURRENT STATUS: TERMINATED STATUS DATE: 04/15/2002
 ABATEMENT ACTIONS: Terminated - required work completed

PERMIT NO: U-1025-91 MSHA NO: 46-01436 MSHA DATE: n/a
 VIOLATION NO: U-1025-91 (28) DATE VIOL. ISSUED: 01/23/2002 ISSUED BY: WV DEP
 VIOLATION DESCRIPTION: Failed to properly maintain diversion ditch CD-1.

CURRENT STATUS: TERMINATED STATUS DATE: 03/01/2002
 ABATEMENT ACTIONS: Required work has been completed.

PERMIT NO: 30841302 MSHA NO: 46-01453 MSHA DATE: n/a
 VIOLATION NO: 011100 DATE VIOL. ISSUED: 12/19/2001 ISSUED BY: PA DEP
 VIOLATION DESCRIPTION: Failure to maintain adequate erosion and sedimentation controls
 as required by Violation # 011094

CURRENT STATUS: TERMINATED STATUS DATE: 02/02/2002
 ABATEMENT ACTIONS: Required actions completed, violation terminated.

Consol Energy Inc. and Related Companies - Violation History*February 9, 2000 - February 9, 2003*

Attachment Page 21 of 41

Entity to whom violation(s) were issued: Consolidation Coal Company

PERMIT NO: 1201761 MSHA NO: 44-06239 MSHA DATE: 8/13/1985
 VIOLATION NO: TMM0002467 DATE VIOL. ISSUED: 12/07/2001 ISSUED BY: VA DMLR
 VIOLATION DESCRIPTION: Improper maintenance has allowed a discharge from a hole in the embankment of Sediment Basin #2.

CURRENT STATUS: TERMINATED STATUS DATE: 01/08/2002
 ABATEMENT ACTIONS: Required actions taken

PERMIT NO: 30841302 MSHA NO: 46-01436 MSHA DATE: n/a
 VIOLATION NO: 011094 DATE VIOL. ISSUED: 11/27/2001 ISSUED BY: PA DEP
 VIOLATION DESCRIPTION: Failure to maintain adequate erosion and sedimentation controls.

CURRENT STATUS: TERMINATED STATUS DATE: 02/02/2002
 ABATEMENT ACTIONS: Required actions completed, violation terminated.

PERMIT NO: U-1025-91 MSHA NO: 46-01436 MSHA DATE: n/a
 VIOLATION NO: U-1025-91 (27) DATE VIOL. ISSUED: 11/06/2001 ISSUED BY: WV DEP
 VIOLATION DESCRIPTION: Unpermitted discharge of water from collection barge below sample house spill pan.

CURRENT STATUS: TERMINATED STATUS DATE: 11/06/2001
 ABATEMENT ACTIONS: Unpermitted discharge stop. Procedures established to properly handle discharge.

PERMIT NO: U-1025-91 MSHA NO: 46-01436 MSHA DATE: n/a
 VIOLATION NO: U-1025-91 (26) DATE VIOL. ISSUED: 11/06/2001 ISSUED BY: WV DEP
 VIOLATION DESCRIPTION: Failed to maintain & install permit signs as required.

CURRENT STATUS: TERMINATED STATUS DATE: 01/22/2002
 ABATEMENT ACTIONS: Required corrective actions have been taken.

PERMIT NO: O-150-83 MSHA NO: 46-05449 MSHA DATE: n/a
 VIOLATION NO: O-150-83 (13) DATE VIOL. ISSUED: 11/01/2001 ISSUED BY: WV DEP
 VIOLATION DESCRIPTION: Disposed of solid waste on permitted area without a solid waste permit.

CURRENT STATUS: TERMINATED STATUS DATE: 06/03/2002
 ABATEMENT ACTIONS: Solid waste permit has been obtained.

Consol Energy Inc. and Related Companies - Violation History*February 9, 2000 - February 9, 2003*

Attachment Page 22 of 41

Entity to whom violation(s) were issued: Consolidation Coal Company

PERMIT NO: U-1025-91 MSHA NO: 46-01436 MSHA DATE: n/a
 VIOLATION NO: U-1025-91 (25) DATE VIOL. ISSUED: 10/03/2001 ISSUED BY: WV DEP
 VIOLATION DESCRIPTION: Placed spoil material outside of permitted area.

CURRENT STATUS: TERMINATED STATUS DATE: 10/05/2001
 ABATEMENT ACTIONS: Required corrective actions taken.

PERMIT NO: 1201129 MSHA NO: 46-01868 MSHA DATE: 09/01/85
 VIOLATION NO: TMM0002361 DATE VIOL. ISSUED: 09/21/2001 ISSUED BY: VA DMLR
 VIOLATION DESCRIPTION: Drainage pipe blocked, drainage by-passed sediment structure

CURRENT STATUS: TERMINATED STATUS DATE: 10/11/2001
 ABATEMENT ACTIONS: Required actions taken

PERMIT NO: D-0784 MSHA NO: 33-04143 MSHA DATE: 09/01/88
 VIOLATION NO: 19629 DATE VIOL. ISSUED: 09/19/2001 ISSUED BY: OH DMRM
 VIOLATION DESCRIPTION: Reclamation of 11th & 12th yearly segments not done in a contemporaneous manner.

CURRENT STATUS: TERMINATED STATUS DATE: 02/16/2002
 ABATEMENT ACTIONS: Required actions completed.

PERMIT NO: U-1025-91 MSHA NO: 46-01436 MSHA DATE: n/a
 VIOLATION NO: U-1025-91 (24) DATE VIOL. ISSUED: 07/18/2001 ISSUED BY: WV DEP
 VIOLATION DESCRIPTION: Placed spoil/topsoil outside of bonded area.

CURRENT STATUS: TERMINATED STATUS DATE: 12/07/2001
 ABATEMENT ACTIONS: IBR #15 and NPDES permit Modification #12 issued.

PERMIT NO: U-78-83 MSHA NO: 46-01433 MSHA DATE: n/a
 VIOLATION NO: U-78-83 (29) DATE VIOL. ISSUED: 06/27/2001 ISSUED BY: WV DEP
 VIOLATION DESCRIPTION: placed junked equipment on reclaimed refuse area

CURRENT STATUS: TERMINATED STATUS DATE: 10/29/2001
 ABATEMENT ACTIONS: permit revised to allow storage on refuse area

Consol Energy Inc. and Related Companies - Violation History*February 9, 2000 - February 9, 2003*

Attachment Page 26 of 41

Entity to whom violation(s) were issued: Consolidation Coal Company

PERMIT NO: U-1025-92 MSHA NO: 46-01318 MSHA DATE: n/a
 VIOLATION NO: U-1025-92 (7) DATE VIOL. ISSUED: 10/31/2000 ISSUED BY: WV DEP
 VIOLATION DESCRIPTION: Allowed coal build-up on 500 feet of conveyor access road.

CURRENT STATUS: TERMINATED STATUS DATE: 12/28/2000
 ABATEMENT ACTIONS: Coal has been removed & road resurfaced with stone.

PERMIT NO: U-1025-91 MSHA NO: 46-01436 MSHA DATE: n/a
 VIOLATION NO: U-1025-91 (23) DATE VIOL. ISSUED: 10/26/2000 ISSUED BY: WV DEP
 VIOLATION DESCRIPTION: Failed to contemporaneously reclaim refuse pile.

CURRENT STATUS: TERMINATED STATUS DATE: 12/13/2000
 ABATEMENT ACTIONS: Lime applied and soil cover placed. Seeding postponed until spring.

PERMIT NO: U-1025-91 MSHA NO: 46-01436 MSHA DATE: n/a
 VIOLATION NO: U-1025-91 (22) DATE VIOL. ISSUED: 10/17/2000 ISSUED BY: WV DEP
 VIOLATION DESCRIPTION: Approved 2S vent borehole access road location not followed.

CURRENT STATUS: TERMINATED STATUS DATE: 10/23/2000
 ABATEMENT ACTIONS: Revision obtained, road relocation approved.

PERMIT NO: U-104-83 MSHA NO: 46-01318 MSHA DATE: n/a
 VIOLATION NO: U-104-83 (40) DATE VIOL. ISSUED: 09/25/2000 ISSUED BY: WV DEP
 VIOLATION DESCRIPTION: Failed to meet iron & ph effluent limits at outfall 002, pond #1.

CURRENT STATUS: TERMINATED STATUS DATE: 09/26/2000
 ABATEMENT ACTIONS: Pumped pond to Nolan's Run AMD stopping discharge.

PERMIT NO: U-104-83 MSHA NO: 46-01318 MSHA DATE: n/a
 VIOLATION NO: U-104-83 (39) DATE VIOL. ISSUED: 09/25/2000 ISSUED BY: WV DEP
 VIOLATION DESCRIPTION: Failed to use best technology available to protect hydrologic balance.
 Failed to pass all runoff from disturbed area thru a sediment structure.

CURRENT STATUS: TERMINATED STATUS DATE: 10/10/2000
 ABATEMENT ACTIONS: Required actions taken

Consol Energy Inc. and Related Companies - Violation History*February 9, 2000 - February 9, 2003*

Attachment Page 28 of 41

Entity to whom violation(s) were issued: Consolidation Coal Company

PERMIT NO: 1201129 MSHA NO: 44-06857 MSHA DATE: 10/29/96
 VIOLATION NO: TMM0001610 (2) DATE VIOL. ISSUED: 05/09/2000 ISSUED BY: VA DMLR
 VIOLATION DESCRIPTION: failed to prevent erosion, siltation and fugitive dust from mine bench and internal haulroad

CURRENT STATUS: TERMINATED STATUS DATE: 06/12/2000
 ABATEMENT ACTIONS: bench mine curtain was constructed and coal fines scraped from internal haulroad

PERMIT NO: 1201129 MSHA NO: 44-06857 MSHA DATE: 10/29/96
 VIOLATION NO: TMM0001610 (1) DATE VIOL. ISSUED: 05/09/2000 ISSUED BY: VA DMLR
 VIOLATION DESCRIPTION: stockpile and conveyor belt extension not built to approved plans

CURRENT STATUS: TERMINATED STATUS DATE: 08/07/2000
 ABATEMENT ACTIONS: required actions were taken

PERMIT NO: O-136-83 MSHA NO: 46-01586 MSHA DATE: n/a
 VIOLATION NO: O-136-83 (1) DATE VIOL. ISSUED: 04/19/2000 ISSUED BY: WV DEP
 VIOLATION DESCRIPTION: failed to initiate final reclamation of the Teller Branch refuse area

CURRENT STATUS: TERMINATED STATUS DATE: 08/11/2000
 ABATEMENT ACTIONS: Revised abandonment plan submitted.

PERMIT NO: 1400047 MSHA NO: 44-04856 MSHA DATE: n/a
 VIOLATION NO: TIM0001507 DATE VIOL. ISSUED: 03/09/2000 ISSUED BY: VA DMLR
 VIOLATION DESCRIPTION: 9 Left longwall panel developed without being added to permit.

CURRENT STATUS: TERMINATED, NON-REMEDIAL STATUS DATE: 03/09/2000
 ABATEMENT ACTIONS: no action is required; violation is non-remedial

PERMIT NO: O-150-83 MSHA NO: 46-05449 MSHA DATE: n/a
 VIOLATION NO: O-150-83 (12) DATE VIOL. ISSUED: 03/06/2000 ISSUED BY: WV DEP
 VIOLATION DESCRIPTION: failed to clean pond 9 when it reached 60% capacity

CURRENT STATUS: TERMINATED STATUS DATE: 03/28/2000
 ABATEMENT ACTIONS: pond was cleaned

Consol Energy Inc. and Related Companies - Violation History*February 9, 2000 - February 9, 2003*

Attachment Page 29 of 41

Entity to whom violation(s) were issued: Consolidation Coal Company

PERMIT NO: U-104-83 MSHA NO: 46-01318 MSHA DATE: n/a
 VIOLATION NO: U-104-83 (38) DATE VIOL. ISSUED: 02/14/2000 ISSUED BY: WV DEP
 VIOLATION DESCRIPTION: pond 1 (002) exceeded NPDES limits for iron and pH

CURRENT STATUS: TERMINATED STATUS DATE: 02/15/2000
 ABATEMENT ACTIONS: discharge ceased, pond water pumped to refuse
 impoundment; dredging of pond commenced

PERMIT NO: U-1025-92 MSHA NO: 46-01318 MSHA DATE: n/a
 VIOLATION NO: U-1025-92 (5) DATE VIOL. ISSUED: 02/14/2000 ISSUED BY: WV DEP
 VIOLATION DESCRIPTION: mining activities affected outside of permitted area

CURRENT STATUS: TERMINATED STATUS DATE: 11/09/2000
 ABATEMENT ACTIONS: IBR permit modification submitted to add area to U-104-83
 IBR approved

PERMIT NO: U-1025-92 MSHA NO: 46-01318 MSHA DATE: n/a
 VIOLATION NO: U-1025-92 (4) DATE VIOL. ISSUED: 02/14/2000 ISSUED BY: WV DEP
 VIOLATION DESCRIPTION: failed to certify sediment pond was built to approved plan

CURRENT STATUS: TERMINATED STATUS DATE: 04/05/2000
 ABATEMENT ACTIONS: cleaned and certified pond

PERMIT NO: U-1025-92 MSHA NO: 46-01318 MSHA DATE: n/a
 VIOLATION NO: U-1025-92 (3) DATE VIOL. ISSUED: 02/14/2000 ISSUED BY: WV DEP
 VIOLATION DESCRIPTION: failure to meet NPDES effluent limits evidenced by
 discharge of black water at 60 inch culvert

CURRENT STATUS: TERMINATED STATUS DATE: 02/15/2000
 ABATEMENT ACTIONS: black water diverted from culvert by earthen dike

Consol Energy Inc. and Related Companies - Violation History*February 9, 2000 - February 9, 2003*

Attachment Page 31 of 41

Entity to whom violation(s) were issued: Island Creek Coal Company

PERMIT NO: 1401531 MSHA NO: 44-03795 MSHA DATE: 9/20/1974
 VIOLATION NO: RYH0002474 DATE VIOL. ISSUED: 09/17/2002 ISSUED BY: VA DMLR
 VIOLATION DESCRIPTION: Company reported Pond 2 discharge results exceeded total suspended solids permit limits.

CURRENT STATUS: TERMINATED STATUS DATE: 09/17/2002
 ABATEMENT ACTIONS: Non-remedial. Terminated on date of issuance.

PERMIT NO: U-5051-87 MSHA NO: N/A MSHA DATE: N/A
 VIOLATION NO: U-5051-87 (3N) DATE VIOL. ISSUED: 08/30/2002 ISSUED BY: WV DEP
 VIOLATION DESCRIPTION: Failed to maintain sediment capacity in Pond 2.

CURRENT STATUS: TERMINATED STATUS DATE: 09/20/2002
 ABATEMENT ACTIONS: Required actions completed, violation abated.

PERMIT NO: 1401531 MSHA NO: 44-03795 MSHA DATE: 9/20/1974
 VIOLATION NO: RYH0002409 DATE VIOL. ISSUED: 08/12/2002 ISSUED BY: VA DMLR
 VIOLATION DESCRIPTION: Unauthorized discharge of artesian boreholes outside of permit berm.
 Total iron concentration exceeds allowable limits.

CURRENT STATUS: TERMINATED STATUS DATE: 09/17/2002
 ABATEMENT ACTIONS: Required actions were completed; violation terminated.

PERMIT NO: 1401531 MSHA NO: 44-03795 MSHA DATE: 9/20/1974
 VIOLATION NO: RYH0002408 DATE VIOL. ISSUED: 08/12/2002 ISSUED BY: VA DMLR
 VIOLATION DESCRIPTION: Drainage from refuse haulage road discharged to Garden Creek without going through a sediment control structure.

CURRENT STATUS: TERMINATED STATUS DATE: 09/17/2002
 ABATEMENT ACTIONS: Required actions were completed; violation terminated.

PERMIT NO: I-700 MSHA NO: 46-01308 MSHA DATE: 05/09/80
 VIOLATION NO: I-700 (7) DATE VIOL. ISSUED: 07/05/2002 ISSUED BY: WV DEP
 VIOLATION DESCRIPTION: Pipeline pumping AMD from Dobbin Mine to AMD plant ruptured.

CURRENT STATUS: TERMINATED STATUS DATE: 07/05/2002
 ABATEMENT ACTIONS: Pump has been shutdown until repairs are made.
 Violation terminated.

Consol Energy Inc. and Related Companies - Violation History*February 9, 2000 - February 9, 2003*

Attachment Page 32 of 41

Entity to whom violation(s) were issued: Island Creek Coal Company

PERMIT NO: 1401531 MSHA NO: 44-03795 MSHA DATE: 9/20/1974
 VIOLATION NO: RYH0002353 DATE VIOL. ISSUED: 06/21/2002 ISSUED BY: VA DMLR
 VIOLATION DESCRIPTION: Company reported Pond 3 discharge results exceeded total suspended solids permit limits.

CURRENT STATUS: TERMINATED STATUS DATE: 06/21/2002
 ABATEMENT ACTIONS: Non-remedial. Terminated on date of issuance.

PERMIT NO: 1401531 MSHA NO: 44-03795 MSHA DATE: 9/20/1974
 VIOLATION NO: RYH0002348 DATE VIOL. ISSUED: 06/17/2002 ISSUED BY: VA DMLR
 VIOLATION DESCRIPTION: Pond 4 discharged black water to Garden Creek on 6/13/2002.

CURRENT STATUS: TERMINATED STATUS DATE: 06/17/2002
 ABATEMENT ACTIONS: Non-remedial. Terminated on date of issuance.

PERMIT NO: 1401232 MSHA NO: 44-01009 MSHA DATE: 2/18/68
 VIOLATION NO: RBA0002236 DATE VIOL. ISSUED: 04/11/2002 ISSUED BY: VA DMLR
 VIOLATION DESCRIPTION: Failed to submit water data for outfall 001 from June - Nov 2001
 Violation is non-remedial.

CURRENT STATUS: TERMINATED STATUS DATE: 04/11/2002
 ABATEMENT ACTIONS: Violation is non-remedial.

PERMIT NO: 1400498 MSHA NO: 44-02134 MSHA DATE: 5/19/71
 VIOLATION NO: RBA0002239 DATE VIOL. ISSUED: 04/11/2002 ISSUED BY: VA DMLR
 VIOLATION DESCRIPTION: Failed to submit water data for outfalls 005 & 006 from 1/2001
 thru 3/2002. Violation is non-remedial.

CURRENT STATUS: TERMINATED STATUS DATE: 04/11/2002
 ABATEMENT ACTIONS: Violation is non-remedial.

PERMIT NO: 1401531 MSHA NO: 44-03795 MSHA DATE: 9/20/1974
 VIOLATION NO: RYH0002135 DATE VIOL. ISSUED: 01/31/2002 ISSUED BY: VA DMLR
 VIOLATION DESCRIPTION: Discharged black water to Garden Creek on 1/24/2002.

CURRENT STATUS: TERMINATED STATUS DATE: 01/31/2002
 ABATEMENT ACTIONS: Non-remedial. Terminated on date of issuance.

Consol Energy Inc. and Related Companies - Violation History*February 9, 2000 - February 9, 2003*

Attachment Page 33 of 41

Entity to whom violation(s) were issued: Island Creek Coal Company

PERMIT NO: 1401531 MSHA NO: 44-03795 MSHA DATE: 9/20/1974
 VIOLATION NO: TIM0002471 DATE VIOL. ISSUED: 10/01/2001 ISSUED BY: VA DMLR
 VIOLATION DESCRIPTION: Failed to submit water data for GW-1 since 3rd Qtr. 1999.

CURRENT STATUS: TERMINATED STATUS DATE: 10/01/2001
 ABATEMENT ACTIONS: Required corrective actions completed.

PERMIT NO: P-590 MSHA NO: 46-0244 MSHA DATE: 03/16/73
 VIOLATION NO: P-590 (21) DATE VIOL. ISSUED: 08/16/2001 ISSUED BY: WV DEP
 VIOLATION DESCRIPTION: Failed to maintain impoundment haulroad and drainage structures.

CURRENT STATUS: TERMINATED STATUS DATE: 09/28/2001
 ABATEMENT ACTIONS: Required work completed ; violation terminated.

PERMIT NO: 1401489 MSHA NO: 44-03795 MSHA DATE: 9/20/1974
 VIOLATION NO: DLH0002139 DATE VIOL. ISSUED: 08/08/2001 ISSUED BY: VA DMLR
 VIOLATION DESCRIPTION: Failure to maintain plant access road caused coal material to be tracked onto SR657.

CURRENT STATUS: TERMINATED STATUS DATE: 08/13/2001
 ABATEMENT ACTIONS: Required corrective actions taken

PERMIT NO: 1401531 MSHA NO: 44-03795 MSHA DATE: 9/20/1974
 VIOLATION NO: TIM0002308 DATE VIOL. ISSUED: 06/28/2001 ISSUED BY: VA DMLR
 VIOLATION DESCRIPTION: Discolored water discharged from pond 02 due to a short intense storm on 6/26/01.

CURRENT STATUS: TERMINATED STATUS DATE: 06/28/2001
 ABATEMENT ACTIONS: Non-remedial

Consol Energy Inc. and Related Companies - Violation History

February 9, 2000 - February 9, 2003

Attachment Page 34 of 41

Entity to whom violation(s) were issued: Kent Coal Mining Company

| | | | | |
|--|--------------------|------------|------------|----------|
| PERMIT NO: | MSHA NO: | N/A | MSHA DATE: | 00/00/00 |
| VIOLATION NO: 011048 | DATE VIOL. ISSUED: | 06/01/2001 | ISSUED BY: | PA DEP |
| VIOLATION DESCRIPTION: NPDES discharge exceeded manganese limits | | | | |

| | | | |
|--------------------|--------|--------------|------------|
| CURRENT STATUS: | ABATED | STATUS DATE: | 07/12/2001 |
| ABATEMENT ACTIONS: | | | |

Consol Energy Inc. and Related Companies - Violation History*February 9, 2000 - February 9, 2003*

Attachment Page 35 of 41

Entity to whom violation(s) were issued: Laurel Run Mining Company

| | | | | | |
|------------------------|---|--------------------|------------|--------------|------------|
| PERMIT NO: | 63841304 | MSHA NO: | n/a | MSHA DATE: | n/a |
| VIOLATION NO: | 21052 | DATE VIOL. ISSUED: | 06/25/2002 | ISSUED BY: | PA DEP |
| VIOLATION DESCRIPTION: | Water discharged from breach in 3 butt B collection pipe exceeded iron limits based on sample collected on 5/23/2002. | | | | |
| CURRENT STATUS: | TERMINATED | | | STATUS DATE: | 06/25/2002 |
| ABATEMENT ACTIONS: | Required actions were taken. All discharged water meets effluent limits. | | | | |

Consol Energy Inc. and Related Companies - Violation History*February 9, 2000 - February 9, 2003*

Attachment Page 36 of 41

Entity to whom violation(s) were issued: McElroy Coal Company

PERMIT NO: U-33-83 MSHA NO: 46-01437 MSHA DATE: n/a
 VIOLATION NO: U-33-83 (37) DATE VIOL. ISSUED: 12/19/2002 ISSUED BY: WV DEP
 VIOLATION DESCRIPTION: Off-site area disturbed by waste concrete dust.

CURRENT STATUS: TERMINATED STATUS DATE: 01/10/2003
 ABATEMENT ACTIONS: Required work has been completed - violation terminated.

PERMIT NO: O-1023-92 MSHA NO: 46-01437 MSHA DATE: 00/00/00
 VIOLATION NO: O-1023-92 (13) DATE VIOL. ISSUED: 12/19/2002 ISSUED BY: WV DEP
 VIOLATION DESCRIPTION: Failed to properly maintain sediment control structure.

CURRENT STATUS: TERMINATED STATUS DATE: 01/09/2003
 ABATEMENT ACTIONS: Required actions completed - violation terminated.

PERMIT NO: U-33-83 MSHA NO: 46-01437 MSHA DATE: n/a
 VIOLATION NO: U-33-83 (36) DATE VIOL. ISSUED: 11/08/2002 ISSUED BY: WV DEP
 VIOLATION DESCRIPTION: Area disturbed off permit by de-gas borehole.

CURRENT STATUS: PENDING STATUS DATE:
 ABATEMENT ACTIONS:

PERMIT NO: U-33-83 MSHA NO: 46-01437 MSHA DATE: n/a
 VIOLATION NO: U-33-83 (35) DATE VIOL. ISSUED: 09/26/2002 ISSUED BY: WV DEP
 VIOLATION DESCRIPTION: Area disturbed by construction before all sediment controls were
 in place

CURRENT STATUS: TERMINATED STATUS DATE: 10/04/2002
 ABATEMENT ACTIONS: Required actions completed - violation terminated.

PERMIT NO: O-1023-92 MSHA NO: 46-01437 MSHA DATE: 00/00/00
 VIOLATION NO: O-1023-92 (12) DATE VIOL. ISSUED: 04/02/2002 ISSUED BY: WV DEP
 VIOLATION DESCRIPTION: Discharge 023 failed to meet iron and manganese effluent limits.

CURRENT STATUS: TERMINATED STATUS DATE: 04/04/2002
 ABATEMENT ACTIONS: Required actions completed.

Consol Energy Inc. and Related Companies - Violation History*February 9, 2000 - February 9, 2003*

Attachment Page 37 of 41

Entity to whom violation(s) were issued: McElroy Coal Company

PERMIT NO: O-1023-92 MSHA NO: 46-01437 MSHA DATE: 00/00/00
 VIOLATION NO: O-1023-92 (10) DATE VIOL. ISSUED: 02/25/2002 ISSUED BY: WV DEP
 VIOLATION DESCRIPTION: Ruptured pipe released AMD to Graveyard Creek.

CURRENT STATUS: TERMINATED STATUS DATE: 03/07/2002
 ABATEMENT ACTIONS: Ruptured pipe repaired.

PERMIT NO: O-1023-92 MSHA NO: 46-01437 MSHA DATE: 00/00/00
 VIOLATION NO: O-1023-92 (11) DATE VIOL. ISSUED: 02/25/2002 ISSUED BY: WV DEP
 VIOLATION DESCRIPTION: Repaired pipe failed causing 2nd AMD release to Graveyard Creek.

CURRENT STATUS: TERMINATED STATUS DATE: 03/07/2002
 ABATEMENT ACTIONS: Required actions completed.

PERMIT NO: U-33-83 MSHA NO: 46-01437 MSHA DATE: n/a
 VIOLATION NO: U-33-83 (34) DATE VIOL. ISSUED: 01/03/2002 ISSUED BY: WV DEP
 VIOLATION DESCRIPTION: Failed to adequately replace livestock water supplies in that heaters have not been installed to prevent freeze-ups.

CURRENT STATUS: PENDING STATUS DATE:
 ABATEMENT ACTIONS:

PERMIT NO: O-1023-92 MSHA NO: 46-01437 MSHA DATE: 00/00/00
 VIOLATION NO: O-1023-92 (9) DATE VIOL. ISSUED: 12/20/2001 ISSUED BY: WV DEP
 VIOLATION DESCRIPTION: Outlet #023 discharge violated iron effluent limitations.

CURRENT STATUS: TERMINATED STATUS DATE: 12/26/2001
 ABATEMENT ACTIONS: Water has been treated as required.

PERMIT NO: U-33-83 MSHA NO: 46-01437 MSHA DATE: 00/00/00
 VIOLATION NO: U-33-83 (33) DATE VIOL. ISSUED: 10/30/2001 ISSUED BY: WV DEP
 VIOLATION DESCRIPTION: Failed to install all required drainage control before starting to construct 5-South #2 Airshaft

CURRENT STATUS: TERMINATED STATUS DATE: 11/07/2001
 ABATEMENT ACTIONS: Drainage structure installed and certified.

Consol Energy Inc. and Related Companies - Violation History*February 9, 2000 - February 9, 2003*

Attachment Page 38 of 41

Entity to whom violation(s) were issued: McElroy Coal Company

PERMIT NO: U-33-83 MSHA NO: 46-01437 MSHA DATE: 00/00/00
 VIOLATION NO: U-33-83 (32) DATE VIOL. ISSUED: 10/16/2001 ISSUED BY: WV DEP
 VIOLATION DESCRIPTION: Slurry line leak discharged unacceptable water to stream.

CURRENT STATUS: TERMINATED STATUS DATE:
 ABATEMENT ACTIONS: Corrective measures taken.

PERMIT NO: U-33-83 MSHA NO: 46-01437 MSHA DATE: 00/00/00
 VIOLATION NO: U-33-83 (31) DATE VIOL. ISSUED: 08/14/2001 ISSUED BY: WV DEP
 VIOLATION DESCRIPTION: Failed to correct material damage to surface lands from subsidence.

CURRENT STATUS: PENDING STATUS DATE:
 ABATEMENT ACTIONS: Work started 8/15/01 and finished 8/21/01

PERMIT NO: U-33-83 MSHA NO: 46-01437 MSHA DATE: 00/00/00
 VIOLATION NO: U-33-83 (30) DATE VIOL. ISSUED: 06/12/2001 ISSUED BY: WV DEP
 VIOLATION DESCRIPTION: failed to correct or compensate for material damage from subsidence

CURRENT STATUS: PENDING STATUS DATE:
 ABATEMENT ACTIONS:

PERMIT NO: O-1023-92 MSHA NO: 46-01437 MSHA DATE: 00/00/00
 VIOLATION NO: O-1023-92 (8) DATE VIOL. ISSUED: 05/22/2001 ISSUED BY: WV DEP
 VIOLATION DESCRIPTION: Failed to collect and treat all acid mine drainage at Western Slope pumphouse.

CURRENT STATUS: TERMINATED STATUS DATE: 08/23/2001
 ABATEMENT ACTIONS: Treatment system has been upgarded as required.

PERMIT NO: O-1023-92 MSHA NO: 46-01437 MSHA DATE: 00/00/00
 VIOLATION NO: O-1023-92 (7) DATE VIOL. ISSUED: 04/19/2001 ISSUED BY: WV DEP
 VIOLATION DESCRIPTION: Released acid mine drainage into watershed before treating.

CURRENT STATUS: TERMINATED STATUS DATE: 07/19/2001
 ABATEMENT ACTIONS: Pump repaired
 Collection pump system is being rebuilt.
 Required work completed, violation terminated.

4 EAST PORTAL STRUCTURES - No structure listed for the 4th East Portal existed prior to disturbance for the boxcut with the exception of a subsidence marker.

Topsoil Stockpile & Topsoil Berms

Map Code: identified on Plate II-3
Status: proposed - 3rd quarter 2002

This stockpile is located in the northwest corner of the proposed disturbance. The stockpile will be fully bermed to contain a 100 yr/24 hr rainfall event. The stockpile and berms is sized to contain approximately 13,000 cubic yards of topsoil material. Topsoil berms are located along the east and west edge of the disturbance site. These berms contain approximately 1,400 cubic yards of topsoil.

Excavation Material Stockpile

Map Code: identified on Plate II-3
Status: proposed - 3rd quarter 2002

This stockpile is located on the west edge of the portal excavation. The pile is sized to contain approximately 128,000 cubic yards of material. Material placed in the pile will come from the portal and airshaft excavation. Additional material from the construction of the coal handling facilities may also be placed within the pile. Placement of a material berm will be constructed around the pile to assist in sediment control. The berm shall be constructed with an interior retention basin sized to fully contain a 100 yr/ 24 hr rainfall event. The material will be utilized in the reclamation of the portal entries, backfilling the boxcut excavation and airshaft.

Sediment Pond #9

Map Code: identified on Plate II-3
Status: proposed - 3rd quarter 2002

This sediment pond is proposed to be placed in the northeast corner of the 4 East disturbance site. The pond will be partially incised (0.2 ac-ft) of sediment volume. An embankment will be constructed along the west and north sides to provide required storage volume for runoff. This pond is designed to fully contain a 10 yr/24 hr storm event. The dewatering of the pond following 24 hours will be through a 15-inch PVC pipe equipped with a slide gate. An emergency spillway has been designed to handle events in excess of a 10 yr/24 hr storm.

Inserted 10/2002
Revised 4/2003

Ventilation Fan Road

Map Code: identified on Plate II-3
Status: Proposed - 4th quarter of 2002

Classified as a primary roadway. Light truck traffic will use the road to access the ventilation fan.

Coal Loadout Road

Map Code: identified on Plate II-3
Status: Proposed - 4th quarter of 2002

Classified as a primary road. The roadway will loop around the top coal stockpile area to access the coal loadout facility and truck scale.

Straw Bale Fence

Map Code: Identified on Plate II-3
Status: Proposed - 2nd quarter of 2003

To treat surface runoff along the east side of the coal loadout area. These bales staked end to end will replace a portion of the earthen perimeter berm constructed in fall of 2002. The portion of berm to be replaced involves approximately 200 feet extending from the entrance gate south along the east perimeter fence. The straw bales will help controll coal fines trapped by the chain-link fence which has been covered with silt fence material.

Inserted 10/2002
Revised 4/2003

TABLE III-1

SURFACE OPERATIONS AREA
PRE- AND POST-MINING LAND USES

| <u>Land Use</u> | <u>Acres</u> <u>Pre-Mining</u> | <u>Acres</u> <u>Post-Mining</u> |
|--------------------------|-----------------------------------|------------------------------------|
| Grazing/Wildlife | 415.7 <u>417.15</u> | 435.2 <u>436.65</u> |
| Industrial (Coal Mining) | 19.5 | 0 |
| Roads | <u>5.8</u> | <u>5.8</u> |
| TOTAL | 441.0 <u>442.45</u> | 441.0 <u>442.45</u> |

TABLE III-2

EXISTING AND FUTURE
SURFACE DISTURBANCE AREAS

| | <u>Acres</u> | <u>%</u> |
|--|--------------------------------|----------|
| Prior to August 3, 1977 Area | 19.5 | 4 |
| August 3, 1977 to May 3, 1978 Area | 4.7 | 1 |
| May 3, 1978 to January 5, 1986 Area | 17.9 | 4 |
| Post January 5, 1986 Area | 8.6 | 2 |
| ¹ Proposed Near Future Disturbance Area | 85.7 | 20 |
| Post July 1, 2002 Area at 4th East Portal | 15.0 <u>16.45</u> | 3 |
| Potential Surface Operations Area | 289.6 | 66 |
| TOTAL | 441.0 <u>442.45</u> | 100 |

Revised 10/2002
Revised 4/2003

¹Includes 7.5 acres at 4E Portal Site.

Topsoil material contained within stockpiles will be sampled and analyzed for soil texture, available potassium, phosphorus, total nitrogen, and pH prior to redistribution.

After respreading and soil testing have been completed, the seedbed may have, fertilizer broadcasted or sprayed onto the soil. Incorporation of the fertilizer and other amendments into the rooting zone by surface roughening prior to seeding the approved seed mix described in Chapter VIII.C.4.

Reclamation of subsoil and topsoil stockpile areas will be completed in the same manner as other disturbed areas. Subsoil stockpiles will be removed to the original ground surface during grading and backfilling operations. Topsoil stockpiles will be removed until the required topsoil depth is retained over the stockpile site. Thus, topsoil respread operations need only to be conducted on the subsoil stockpile sites. Surface preparation on all subsoil and topsoil stockpile sites will be conducted as previously described.

Plates III-1, III-2, III-3, III-4 and III-4A, indicate the location of all existing and near-future disturbance areas at Emery Mine. For additional information pertaining to the topsoil quality, data, and substitution plans, please refer to Chapter VII.

During final reclamation at the 4th East Portal the topsoil will be respread to an average depth of 7 to 8 inches. This average is derived from taking the loose cubic yards placed in the stockpile (7,840 cu. yds) plus topsoil berms (1,400 cu. yds) and approx 1,200 yards from the extension area (avg. 6 inch) over ~~9.0~~ 10.45 acres of disturbed land (~~+0~~ 11.45 acres disturbed minus 1.0 acre of rock outcrop) where topsoil was salvaged. The 7,840 cu. yds. contained within the current topsoil stockpile is from a survey of the stockpile. ~~The previous yardage reported of 12,900 cu. yds. was a rough calculation taking only a few elevations and assuming an overall average height for the stockpile. Based on the resurvey, the overall height of the stockpile was found to less than first assumed.~~

Area to Topsoil: $10.45 \text{ acres} * 43,560 \text{ sq ft/acre} = 455,202 \text{ sq ft}$
Volume of Material Available: $10,440 \text{ cu yds} * 27 \text{ cu ft /cu yd} = 281,880 \text{ cu ft}$

Depth of Cover (D in ft): Area for Topsoiling (455,202 sq ft) * D = Available Topsoil (281,880 cu. ft.)

therefore, $D = 281,880 \text{ cu ft} / 455,202 \text{ sq ft}$ or $D = .62 \text{ ft or } 7.4 \text{ inches}$

The topsoiled surface will be roughened by pocking with a backhoe or excavator. Following the roughening the site will be seeded with the appropriate warm season seed mixture described in Chapter VIII.C.4.

If cryptogamic soils were harvested, they should be applied following seeding. They should be planted in a selective location, such as along the interior edges of gouged depressions.

Inserted 10/2002
Revised 4/2003

CHAPTER IV - ENGINEERING DESIGNS

PLATES (In Map Pockets)

| | |
|---------------------|--|
| PLATE IV-2 | UG OPERATIONS PLAN (scale 1"=1000') |
| PLATE IV-3 | 4 EAST PORTAL DESIGN |
| PLATE IV-4 | UNDERGROUND DEVELOPMENT WASTES DISPOSAL SITE CROSS SECTIONS |
| PLATE IV-5 | EXCESS CUT MATERIAL SITE PROJECTED FINAL CONTOURS, PLAN VIEW & CROSS SECTIONS |
| PLATE IV-6 | COARSE REFUSE DISPOSAL AREA PLAN VIEW TYPICAL SECTIONS |
| PLATE IV-7 | SLURRY IMPOUNDMENT |
| PLATE IV-8 | MINE YARD ROADS - ROAD SECTION |
| PLATE IV-9 | BOREHOLE PUMP ROAD - EXISTING PLAN, PROFILE & CROSS SECTION |
| PLATE IV-10 | PLANT ACCESS & TANK EXTENSION ROADS, PLAN, PROFILE & TYPICAL CROSS SECTION |
| PLATE IV-11 | MAIN ENTRANCE ROAD PREPARATION PLANT SITES, PROPOSED PLAN, PROFILE & SECTIONS |
| PLATE IV-12 | COARSE REFUSE HAULAGE ROAD |
| FIGURE IV-13 | 4TH EAST COAL LOADOUT ROAD |
| FIGURE IV-14 | 4TH EAST VENTILATION FAN ROAD |
| <u>FIGURE IV-15</u> | <u>4th EAST RECONFIGURATION OF TOPSOIL STOCKPILE</u> |

Revised 10/2002
Revised 4/2003

Soils and Vegetation

Refer to Chapter VII, Appendix VII-3 & Appendix VII-4 for narrative of soil resources at the 4 East Portal Area. Prior to portal and diversion excavation, the area will be checked for topsoil thickness. Once the thickness is determined, depth stakes, thickness maps or similar measures will be used to ensure total recovery. All topsoil designated on Plate III-1 for topsoil removal shall be removed and stockpiled in the topsoil stockpile location refer to Plate II-3 and/or IV-3.

Salvage of topsoil material from the 4th East Portal area will involve the following deviation from the topsoil handling plan outlined in Chapter III.E.1.

1. The topsoil which lies within the interior of the excavation material stockpile and topsoil stockpile will be preserved in-place.
2. The interface of the in-place original topsoil and the place material will be marcated with a 4" yellow tape. The tape shall be placed in a 10 ft by 10 ft. grid. and shall remain in place until final reclamation.
3. The topsoil stockpile will be roughened by pocking the surface.
4. Following seeding of the topsoil pile it will be irrigated and records kept as to date and amount of water applied.

The topsoil material from the excavation material and the topsoil stockpile will remain preserved in-place. This practice deviates from normal topsoil handling practices. This deviation is requested in an attempt to preserve the soil structures and cryptogam's within the area. Prior to placement of excavated overburden material on top of the in-place topsoil, the interface was delineated in the field with 4-inch wide yellow tape. The tape was applied in a 10 ft by 10 ft grid pattern. Material from the excavation will be placed over top the in-place topsoil. No toxic material will be placed within this excavation pile.

The topsoil stockpile interface between the in-place and placed topsoil was marked with the grid pattern utilizing the yellow tape. The top few inches 3"-4" was segregated and temporarily stored while the remaining topsoil material was picked up and placed in the topsoil stockpile. This segregation was performed to salvage as much of the vegetation root structures, organic matter and cryptogam's as possible. This organic matter was then spread over the constructed topsoil stockpile. The surface was roughened by a backhoe leaving the undulating pocking. The topsoil stockpile was hydro-seeded and tactified on July 10,2002, with the cold season mixture defined in Chapter VIII.C.3 This seed mix involved Crested Wheatgrass, Fourwing Saltbush and Russian Wildrye. The topsoil berm was seeded with the warm season contemporary (interim) seed mix which included Shadscale, Fourwing Saltbush, Castle Valley Clover, Streambank Wheatgrass, Scarlet Globemallow, Winter Fat, Blue Grama, Indian Ricegrass and Alkali Sacaton.

Revised 10/2002
Revised 4/2003

Irrigation of the south and west side of the topsoil berm (only) began on July 11, 2002 by applying one-quarter inch of water. The following table represents the date and amount of water sprayed on the berm.

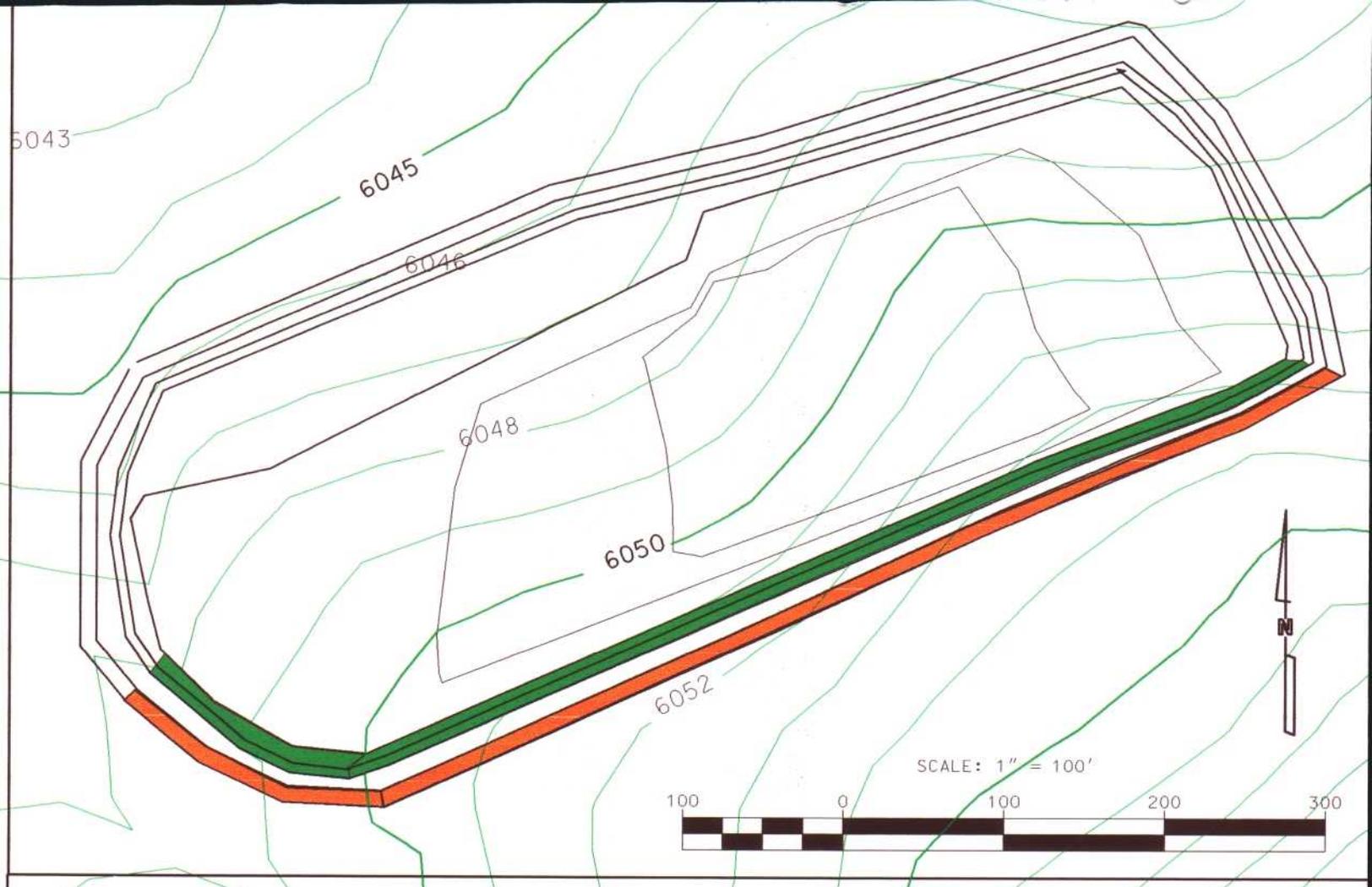
| | | |
|----------------|----------------|--|
| July 12 - 1/4" | July 18 - 3/4" | July 29 - 1/2" |
| July 15 - 1/2" | July 19 - 1/2" | Aug 1 - 1/2" Rain |
| July 16 - 1/4" | July 22 - 1/4" | Aug 2 - 1/2" Rain |
| July 17 - 1/4" | July 23 - 1/4" | Periodic Rains Have Continued No Further Manual Watering |

The topsoil stockpile was not irrigated because of seeding with cool season mix.

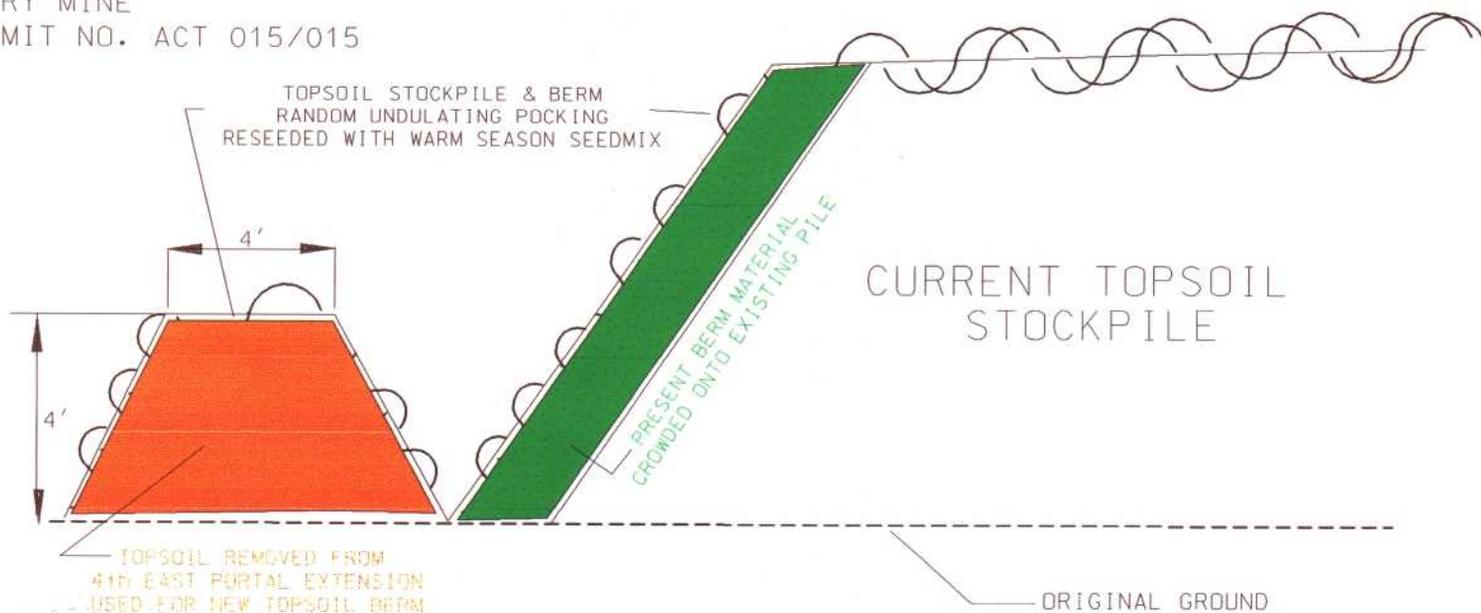
Salvage of topsoil contaminated by wind blown coal fines at the 4th East Portal site will be handled in the following manner:

Prior to any topsoil salvage operation, coal fines will be vacuumed up to the best extent possible. This vacuuming operation will be done in a manner which attempts to minimize further disturbance of the topsoil and its vegetation. On completion of the vacuuming operation, the topsoil stockpile will be reconfigured by crowding the existing topsoil berm onto the out slopes of the topsoil stockpile. Please refer to Plate IV-15, "Reconfigured 4th East Topsoil Stockpile". On completion of incorporating the berm into the pile, removal of the perimeter berm located on the interior of the east perimeter fence (which had been contaminated with coal fines) will be picked up (following vacuuming) and placed on the west end of the stockpile area to form the new berm for the topsoil stockpile. Straw bale fence shall be constructed along the interior fence line where the berm was removed. The salvage of topsoil from the extension area may then begin by constructing a silt fence along the road right-of-way. Straw bale fence will then be constructed on the interior side of the silt fence. Topsoil will be picked up and transported to the 4th East stockpile where the topsoil will be placed to form the berm along the south side of the topsoil stockpile. The extended top & side slope of the stockpile and new topsoil berm will be randomly pocked and seeded with the warm season mix and mulched.

Inserted 4/2003



4 EAST PORTAL TOPSOIL STOCKPILE
 REAFFECTED TOPSOIL STOCKPILE
 FIGURE NO. IV-15
 EMERY MINE
 PERMIT NO. ACT 015/015



RECONFIGURED TOPSOIL STOCKPILE
 ABATEMENT NOV 03-39-1-1

(PERIMETER BERM)

THIS TYPICAL SECTION OF THE
 PERIMETER BERM ILLUSTRATES
 COLORED SECTION OF THE PLAN VIEW

SCALE: NONE
 DATE: 4/2003

172273-2202
 JAMES J. HING

James J. Hing 4-7-03

Wildlife

The disturbance area was inspected on April 11, 1989 by Mr. L. B. Dalton of the Division of Wildlife Resources, Department of Natural Resources, State of Utah. Mr. Dalton finds that "the portal development will have minimal impacts on the wildlife resource." These findings, in letter form, are attached for reference.

The 4 East portal site was resurveyed in May 2002 by Mt. Nebo Scientific Consultants. The survey was performed by request from the Division of Oil Gas and Mining. The report is contained as Appendix VIII-3 in Chapter VII.

The vegetation map for the extension area of 1.45 acres at the 4th East Portal was modified by Patrick Collins, Ph.D. of Mt. Nebo Consultants. Mr. Collins letter is located in Chapter VIII, Appendice VIII-3.

Sampling of fish and macro invertebrates were conducted in September 2002 by JBR Environmental Consultants. The survey was conducted in Quitcupah Creek and Christiansen Wash. The sampling was performed to provide new baseline data for the reactivation of mining operations. Because of the minimal number of samples taken, a second sampling will be performed in September of 2003. The process methods and final report of the 2002 sampling is contained as Appendix IX-2. In accordance with DOGM requirements for perennial streams the micro invertebrate sampling will be performed every three years following the 2003 sampling. Results of these sampling's will be included as part of the annual report for that year.

Cultural Resources

The area of disturbance was surveyed in 1975, as part of an 880 acre area of investigation, by Mr. Michael S. Berry, Assistant Utah State Archaeologist. After traversing the entire area on 50 to 75 foot intervals, three (3) sites were located and recorded. The nearest of these sites is approximately 0.5 miles to the southwest of the proposed 4 East Portal Site. As a result, we do not anticipate any cultural resource impacts from this development.

Mr. Berry's report on this investigation is contained in Chapter X.

The 4 East portal site was resurveyed in May 2002 by Montgomery Archaeological Consultants. The survey was performed by request from the Division of Oil Gas and Mining. The report is contained as Appendix 5-5 in Chapter X. In March 2003, Montgomery Archaeological Consultants extended the cultural resource survey of the 4th East Portal site. This report is contained as Appendix 5-7 in Chapter X.

APPENDIX IV-7-G 4th EAST PORTAL ROADS

The proposed road system for the 4th East Portal is comprised of two (2) primary roads. These roads are to be constructed fairly flat, following the existing topography with topsoil removed. The first primary road noted as the Coal Loadout Road, begins at the entrance gate and loops around in an oval through the coal loadout facility ending back at the entrance gate. The surface of the road will be bedrock (sandstone) or built with materials available on the site. The coal loadout road is approximately 1050 feet in length. The second primary road noted as the Ventilation Fan Road, branches off the coal loadout road at the west edge of the boxcut ramp and proceeds along the west side of the disturbed area to access the ventilation fan site. This section of the road is to be on bedrock (sandstone) or constructed of materials available on the site. Access to the site will be light truck to perform daily fan checks.

As-built drawings will be filed upon final construction. Please refer to Plate IV-13 for the proposed profile, plans and cross sectional views of the primary Coal Loadout Facility road. Proposed profile for the Ventilation Fan Road is delineated on Plate IV-14.

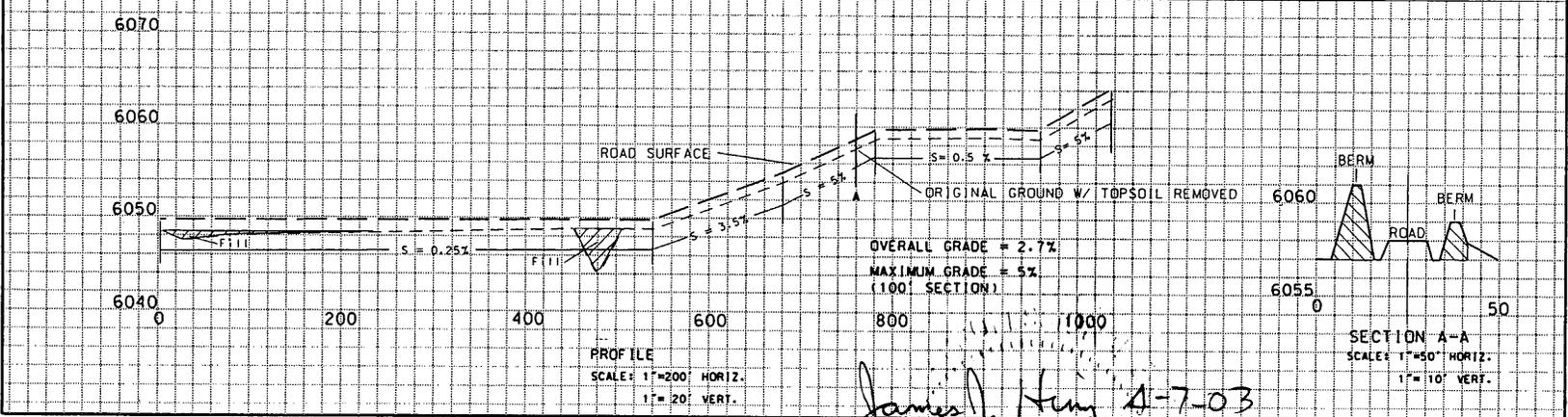
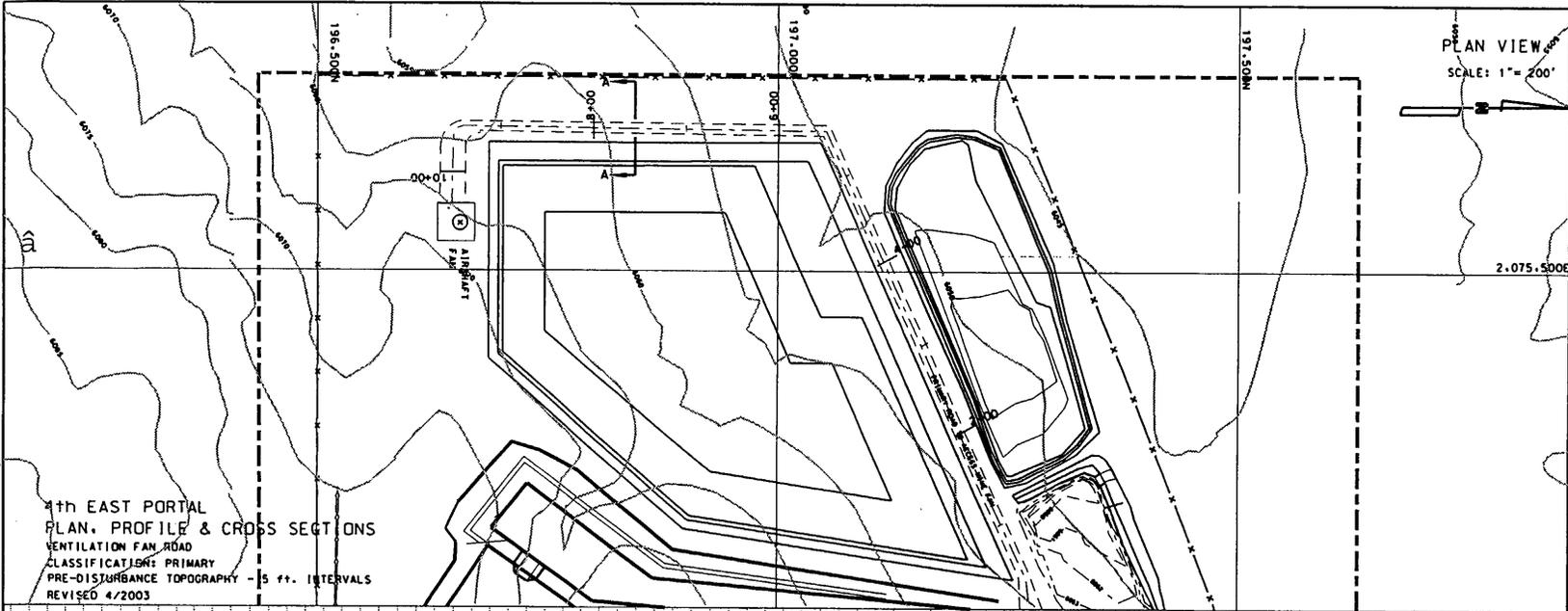
The portal site is entirely fenced restricting access to and from the site. The only entrance to the site is through a gate located in the northeast corner of the site. This entrance connects directly to Emery County Road No 915, also known as Cowboy Mine Road.

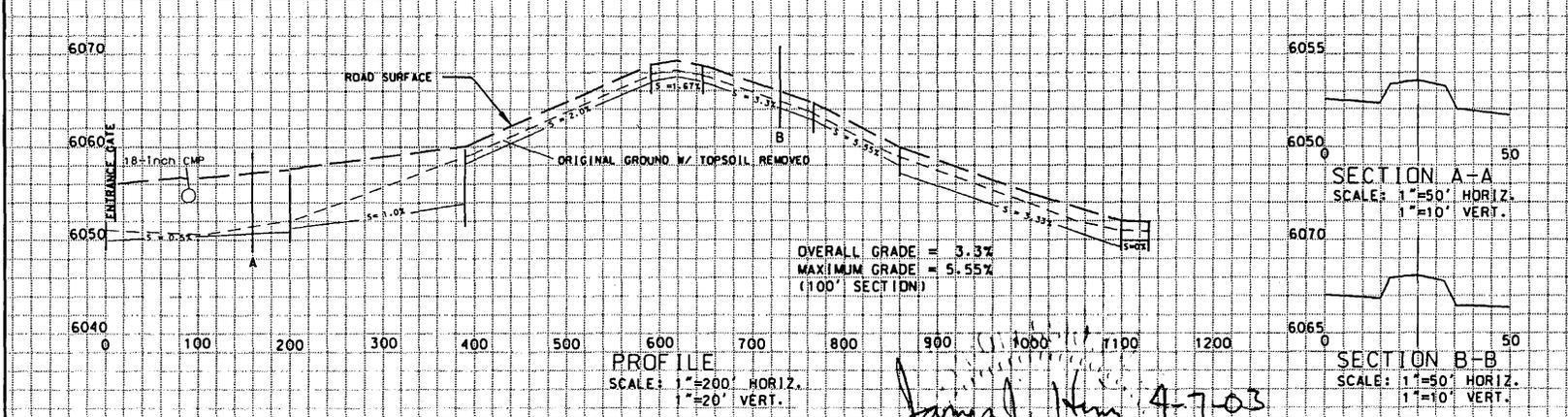
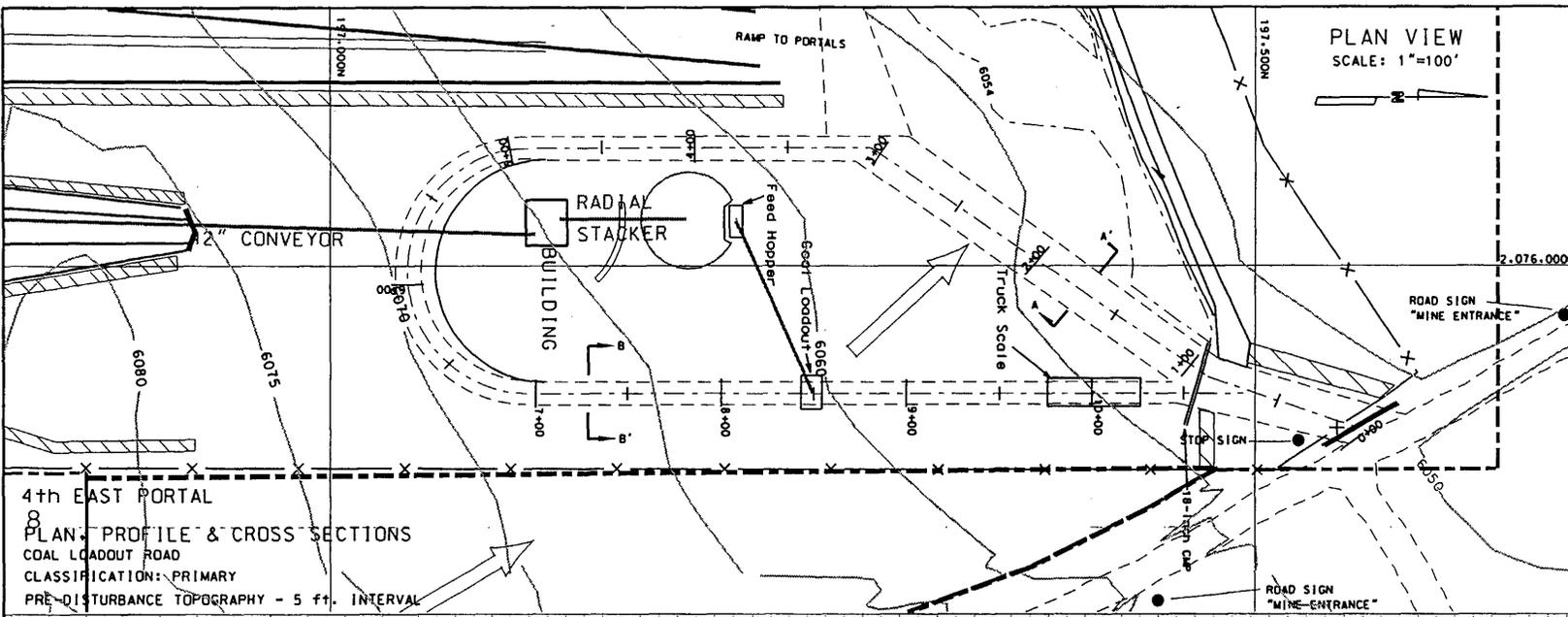
To protect the general public the entrance gate will be posted with a stop sign prior to entering onto the county road from the mine property. The county road will be posted with warning signs as to the existence of the mine entrance. Flagman will be used to protect the general public and employees during construction activities where operation of large equipment or transportation of supplies may create a safety concern. The mine road has excellent visibility in both direction of the county road.

Road Culvert No. 1 - Coal Loadout Road (station 0+90 inlet)

Design information: Drainage collected between the coal loadout facility and the county road right-of-way is conveyed thru the culvert into sedimentation pond #9.

Based on SEDCAD 4 modeling "Emergency Spillway 25YR/24 HR Design Storm" the peak inflow of 2.54 cfs will need to be conveyed by the road culvert. Therefore, a corrugated metal pipe 18-inches in diameter is proposed.





James J. Henry 4-7-03

EMERY PERMIT ACT 015/015

Pond No. 9

I. Hydrologic Information

Drainage Area: ~~3.2~~ 4.65 acres or ~~0.005~~ 0.0073 mi²
Storm Type: SCS Type II
Hydrologic Soil Groups: C
Curve Number: 85 (moderate)
Design Event - Normal Pool: 10 yr/24 hr (1.7 inches)*
Design Event - Spillway: 25 yr/24 hr (2.1 inches)*

*Note: Precipitation value obtained from Precipitation-Frequency Atlas, Volume VI - Utah.

A) Runoff Characteristics

| <u>SCS Soil Group</u> | <u>Land Use</u> | <u>Area</u> | <u>Curve No.</u> |
|-----------------------|-----------------|-------------------------|------------------|
| C | Mine Yard Area | 3.2 4.65 Ac. | 90 |

B) Direct Runoff, Q (10 yr/24 hr)

$$Q = \frac{(P - 0.2S)^2}{P + 0.8S} \quad \text{where:} \quad \begin{array}{l} P = \text{precipitation (inches)} \\ S = (1000/CN) - 10 \\ \quad = (1000/90) - 10 \\ \quad = 1.11 \end{array}$$
$$= \frac{(1.7 - 0.2(1.11))^2}{1.7 + 0.8(1.11)}$$
$$= 0.84 \text{ inches}$$

C) Total Runoff Volume, Vt (10 yr/24 hr)

$$Vt = \frac{(\del{3.2} 4.65 \text{Ac})(0.84 \text{ inches})}{12 \text{ in/ft}}$$

$$Vt = \del{0.224} 0.325 \text{ ac-ft}$$

D) Sediment Storage Volume:

The following are sediment yield calculations as predicted by the Universal Soil Loss Equation (USLE) for an estimated life of 5 years. Using the Universal Soil Loss Equation;

$$A = (R)(K)(LS)(CP) \text{ where:}$$

A = Average Soil Loss (tons/ac-yr)

R = Rainfall Erosivity Factor (Annual) = 20

K = Soil Erodibility Factor = 0.35

(SCS Soils Interpretation Record)

*LS = Slope Length and Steepness Factor

**CP = Control Practice Factor

The following USLE Parameters charts illustrate the Control Practice Factor (CP) and topographic characteristics of the watershed for specific time intervals during the estimated 5 year life of the pond. Weighted averages of the USLE Parameters are then applied to the Universal Soil Loss Equation for the period of time specified to predict the sediment yield.

USLE Parameters (1-5 Years)

| Location | Area (Ac) | Activity | Avg. Slope (%) | CP |
|----------------|----------------------------|-----------|----------------|------|
| Mine Yard Area | 3.2 <u>4.65</u> | Disturbed | 3.5 | 1.00 |

$$S = 21\% \quad **CP = 0.66$$

$$*LS = 3.5$$

$$A = (20)(0.35)(\del{3.2} \underline{4.65})(1.00)$$

$$A = \del{22.4} \underline{32.5} \text{ tons/ac-yr}$$

$$\text{Sediment Yield} = (\del{22.4} \underline{32.5} \text{ tons/ac-yr})(\del{3.2} \underline{4.65} \text{ ac})(5 \text{ yr})$$

$$= \del{359} \underline{755.6} \text{ tons}$$

* Topographic Factor, LS "Applied Hydrology and Sedimentology for Disturbed Areas" p. 334, LS is derived using an Average Slope Length = 100 ft. and an area weighted avg. slope, S.

** Control Practice Factor CP "Applied Hydrology and Sedimentology for Disturbed Areas" p. 390, Appendix 5A. CP represents the area weighted average of the CP values.

Weighted Sediment Density

Mine Yard Area containing coal fines = ~~2.6~~ 4.05 acres

Mine Yard Area containing soil material = 0.6 acres

Soil Density = 68 lb/cf

Coal Density = 54.4 lb/cf

$$\begin{aligned} \text{Weighted Sediment Density} &= \frac{(\underline{2.6} \text{ } \underline{4.05} \text{ ac})(54.4 \text{ lb/cf}) + (0.6 \text{ ac})(68 \text{ lb/cf})}{\underline{3.2} \text{ } \underline{4.65} \text{ acres}} \\ &= \underline{56.95} \text{ } \underline{56.15} \text{ lb/cf} \end{aligned}$$

Required Sediment Volume (5 years)

Sediment Yield = ~~359~~ 755.6 tons

Weighted Sediment Density = ~~56.95~~ 56.15 lb/cf

$$\begin{aligned} \text{Total Sediment Volume} &= (\underline{359} \text{ } \underline{755.6} \text{ tons}) \frac{(\underline{2000} \text{ lb})}{\text{ton}} \frac{(\text{ft}^3)}{56.95 \text{ } 56.15 \text{ lb.}} \frac{(\text{ac})}{43560 \text{ ft}^2} \\ &= \underline{0.29} \text{ } \underline{0.62} \text{ ac-ft or } \underline{0.06} \text{ } \underline{0.12} \text{ ac-ft/yr} \end{aligned}$$

Total Sediment Storage

The dewatering system for Pond No. 9 consists of one (1) ~~12~~15 inch diameter pipe located at the normal pool elevation of ~~6053.0~~ 6052.55 ft. The ~~12~~15 inch pipe furnished with a slide gate which remain closed except when dewatering.

Total Sediment Storage (Elev. 6052.55') = 0.328 ac-ft

60% Sediment Storage (Elev. 6052.1') = 0.20 ac-ft

Inserted 10/2002
Revised 4/2003

Cleanout of Pond No. 9 will be conducted when the sediment level reaches Elev. 6052.0 ft. Based on the estimated annual sediment accumulation of ~~0.060~~ 0.12 ac-ft/yr, the cleanout interval for Pond 9 is approximately ~~3.6~~ 1.6 years. Please see the following page for storage volume calculations.

E) Pond No. 9 Stage - Storage Information

Listed below is the stage-storage relationship for this pond:

EMERY MINE
POND NO. 9
STAGE VS. STORAGE

| ELEVATION (FT) | AREA (AC) | AVG AREA (AC) | DEPTH (FT) | VOLUME (AC-FT) | CUM. VOLUME (AC-FT) |
|----------------|-----------|---------------|------------|----------------|---------------------|
| 6049.4 | 0.000 | | | | 0.000 |
| | | 0.010 | 0.6 | 0.006 | |
| 6050.0 | 0.020 | | | | 0.006 |
| | | 0.061 | 1 | 0.061 | |
| 6051.0 | 0.101 | | | | 0.067 |
| | | 0.145 | 1 | 0.145 | |
| 6052.0 | 0.189 | | | | 0.212 |
| | | 0.213 | 0.55 | 0.117 | |
| 6052.6 | 0.236 | | | | 0.328 |
| | | 0.258 | 0.45 | 0.116 | |
| 6053.0 | 0.280 | | | | 0.444 |
| | | 0.368 | 1 | 0.368 | |
| 6054.0 | 0.456 | | | | 0.812 |
| | | 0.496 | 0.55 | 0.598 | |
| 6054.6 | 0.536 | | | | 1.411 |

Inserted 10/2002
Revised 4/2003

F) Design Pool Information (10 yr/24 hr)

Pond No. 9 is designed and will be constructed to provide full containment of runoff from a 10 yr/24 hr event by maintaining the one 4215 inch CMP slide gate closed at all times except when the pond is being dewatered. From the Stage vs. Storage Curve having a Total Sediment Elev. ~~6053.0~~6052.55', the Peak Pool Elev. during the 10 yr/24 hr event is derived as follows:

Design Pool Volume = Total Sediment Volume + Total Runoff Volume

$$= \del{0.316} \underline{0.328} \text{ ac-ft} + \del{0.224} \underline{0.325} \text{ ac-ft}$$

$$= \del{0.654} \underline{0.653} \text{ ac-ft}$$

Peak Pool Elev. (10 yr/24 hr) = ~~6053.9~~ 6053.62 ft.

With the top of the embankment at an elev. 6055.2 ft., full containment of the 10 yr/24 hr runoff is provided. To facilitate Pond No. 9 in discharging precipitation events larger than the 10 year/24 hour storm, the proposed open channel emergency spillway will be constructed ~~0.4~~ 0.9 foot above the peak pool of the 10 yr/24 hr design storm at an elev. 6054.55 feet.

Dewatering of Pond No. 9 will proceed only after a minimum of 24 hours of storm water detention is provided to achieve effluent limitations.

Inserted 10/2002
Revised 4/2003

G) Dewatering Discharge Calculations (10 yr/24 hr event)

The peak discharge for the proposed ~~42~~ 15- inch steel pipe outlet for Pond No. 9 is derived using the full pipe flow equation as derived in "Applied Hydrology and Sedimentology for Disturbed Areas", 1983 and shown below.

$$Q = \frac{a (2gH')^{0.5}}{(Kx + Ke + Kb + KcL)^{0.5}}$$

where: $H' = \text{Peak Pool Elev.} - \text{Outlet Elev.} + 0.6D$

$$H' = 6053.68' - 6052.55' - 0.6 (42\cancel{15}/12)$$

$$H' = 0.3'$$

$$Q = \frac{a [2g(0.3)]^{0.5}}{(Kx + Ke + Kb + KcL)^{0.5}}$$

where: $a = \text{pipe area, } 3.14 \text{ ft}^2$
 $Kx = \text{exit coefficient, } 1.0$
 $Ke = \text{entrance coefficient, } 1.0$
 $Kb = \text{bend coefficient, } 0.0$
 $Kc = \text{friction coefficient, } 0.0715$
(using $n = 0.015$)
 $L = \text{pipe length, } 40 \text{ ft.}$

$$Q = \frac{3.14[2(32.2)(0.3)]^{0.5}}{[1.0 + 1.0 + 0.0 + 0.0715(40)]^{0.5}}$$

$$Q = 6.27 \text{ cfs}$$

Inserted 10/2002
Revised 4/2003

H) Dewatering Discharge Rate

The following is an estimate of the time required to discharge the 10 yr/24 hr design storm runoff volume through the ~~42~~ 15-inch outlet pipe after a minimum of 24 hours of detention.

From the previous discharge calculations,

$$Q \text{ max} = 6.27 \text{ cfs}$$

$$Q \text{ avg} = 3.13 \text{ cfs}$$

$$\text{Estimated Discharge Time} = \frac{\text{Total Runoff Volume (10 yr/24 hr)}}{Q \text{ avg}}$$

$$= \frac{(\cancel{0.224} \ 0.325 \text{ ac-ft})(43560 \text{ ft}^2/\text{ac}) \times \text{hr}}{3.13 \text{ cfs} \quad 3600\text{s}}$$

$$= \cancel{0.87} \text{--} \underline{1.25} \text{ hours}$$

I) Emergency Spillway Design (25 yr/24 hr storm event)

The proposed emergency overflow spillway will be constructed to discharge stormwater runoff which exceeds a 10 year/24 hour precipitation event. During the 25 year/24 hour design event, Pond No. 9 provides ~~partial~~ full storage of the runoff volume while the remaining runoff will discharge through the proposed emergency spillway. (See the Outlet Verification, Item J, for routing information.) The spillway will be a trapezoidal shaped broad crested weir. Dimensions of the overflow spillway section is designed as follows:

Bottom Width : 5 ft.
Sideslopes : 1V:3H
Manning's "n" : 0.035 (rocklined)
Depth : ~~4.2~~ 0.65 ft.
Flowline Elev. : ~~6054.0~~ 6054.55 ft.
Peak Flow Depth : 0.1 ft.
Peak Outflow : 0.3 cfs
Peak Velocity : 0.9 fps
Channel Slope : Flat
1.0% (Min)

The spillway will be constructed in the fill embankment and will discharge into the watershed of Christiansen Wash.

Inserted 10/2002
Revised 4/2003

J) Outlet Verification (25 year/24 hour event)

A SEDCAD computer routing was performed to confirm peak discharge and peak stage values for the 25 year/24 hour storm event. The SCS Type II storm distribution was used in the SEDCAD computer routing. With the 42.15" dewatering pipe control valves closed*, ~~partial~~ full storage of the 25 year/24 hour event is provided while the remaining runoff is discharged through the proposed Emergency Spillway. A summary of the results is as follows:

Pond Data

| | | |
|--------------------------|---|-------------------------------|
| Normal Pool Elev. | = | 6053.0 6052.55 ft. |
| Emergency Spillway Elev. | = | 6054.0 6054.55 ft. |
| Embankment Crest Elev. | = | 6055.2 ft. |

Routing Data

| | | |
|-----------------------|---|--------------------------------------|
| Peak Inflow | = | 3.88 <u>9.58</u> cfs |
| Peak Outflow | = | 0.00 cfs |
| Peak Outflow Velocity | = | 0.00 fps |
| Peak Pool Elev. | = | 6054.3 <u>6053.96</u> ft. |

* Note: SEDCAD modeled with 1-inch corrugated metal pipe to function as a gated valve. Detailed discharge table contained within SEDCAD 4 Report demonstrates discharge from the straight pipe (1-inch principle) is 0.00 at all elevations. The proposed design fully contains the 25 yr/24 hr design storm.

Inserted 10/2002
Revised 4/2003

EMERY MINE
4th EAST PORTAL SITE
ACT/015/015

FULL CONTAINMENT
10 YR/24 HR DESIGN STORM
SEDIMENT POND #9

Kirschbaum

Island Creek Coal Company
P.O. Box 566
Sesser, IL 62884

Phone: 618-625-6847
Email: timkirschbaum@consolenergy.com

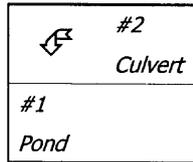
General Information

Storm Information:

| | |
|-----------------|---------------|
| Storm Type: | NRCS Type II |
| Design Storm: | 10 yr - 24 hr |
| Rainfall Depth: | 1.700 inches |

Structure Networking:

| Type | Stru # | (flows into) | Stru # | Musk. K (hrs) | Musk. X | Description |
|---------|--------|--------------|--------|---------------|---------|---------------------|
| Pond | #1 | ==> | End | 0.000 | 0.000 | Sediment Pond #9 |
| Culvert | #2 | ==> | #1 | 0.000 | 0.000 | 18-inch Entrance Rd |



Structure Summary:

| | Immediate Contributing Area (ac) | Total Contributing Area (ac) | Peak Discharge (cfs) | Total Runoff Volume (ac-ft) |
|--------|---|---------------------------------------|----------------------------|--------------------------------------|
| #2 | 1.700 | 1.700 | 1.68 | 0.08 |
| #1 In | | | 6.67 | 0.32 |
| #1 Out | 3.700 | 5.400 | 0.00 | 0.00 |

Structure Detail:

Structure #2 (Culvert)

18-inch Entrance Rd

Culvert Inputs:

| Length (ft) | Slope (%) | Manning's n | Max. Headwater (ft) | Tailwater (ft) | Entrance Loss Coef. (Ke) |
|-------------|-----------|-------------|---------------------|----------------|--------------------------|
| 60.00 | 0.50 | 0.0150 | 1.00 | 0.00 | 0.90 |

Culvert Results:

Minimum pipe diameter required: 12 inches

Structure #1 (Pond)

Sediment Pond #9

Pond Inputs:

| | |
|----------------------|------------|
| Permanent Pool Elev: | 6,052.55 |
| Permanent Pool: | 0.32 ac-ft |

Straight Pipe

| Barrel Diameter (in) | Barrel Length (ft) | Barrel Slope (%) | Manning's n | Spillway Elev | Entrance Loss Coefficient | Tailwater Depth (ft) |
|----------------------|--------------------|------------------|-------------|---------------|---------------------------|----------------------|
| 1.00 | 40.00 | 0.01 | 0.0140 | 6,052.55 | 0.90 | 0.00 |

Pond Results:

| | |
|-------------------------|-----------|
| Peak Elevation: | 6,053.62 |
| H'graph Detention Time: | 0.00 hrs |
| Dewater Time: | 0.00 days |

Dewatering time is calculated from peak stage to lowest spillway

Elevation-Capacity-Discharge Table

| Elevation | Area (ac) | Capacity (ac-ft) | Discharge (cfs) | Dewater Time (hrs) |
|-----------|-----------|------------------|-----------------|--------------------|
| 6,049.00 | 0.000 | 0.000 | 0.000 | |
| 6,049.50 | 0.012 | 0.002 | 0.000 | |
| 6,050.00 | 0.020 | 0.010 | 0.000 | |

SEDCAD 4 for Windows

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Civil Software Design

| Elevation | Area (ac) | Capacity (ac-ft) | Discharge (cfs) | Dewater Time (hrs) |
|-----------|--------------|---------------------|--------------------|--------------------------|
| 6,050.50 | 0.053 | 0.028 | 0.000 | |
| 6,051.00 | 0.101 | 0.066 | 0.000 | |
| 6,051.50 | 0.142 | 0.126 | 0.000 | |
| 6,052.00 | 0.189 | 0.208 | 0.000 | |
| 6,052.50 | 0.232 | 0.313 | 0.000 | |
| 6,052.55 | 0.236 | 0.325 | 0.000 | Spillway #1 |
| 6,053.00 | 0.280 | 0.441 | 0.000 | |
| 6,053.50 | 0.363 | 0.601 | 0.000 | |
| 6,053.62 | 0.389 | 0.649 | 0.000 | 0.00 Peak Stage |
| 6,054.00 | 0.456 | 0.805 | 0.000 | |
| 6,054.50 | 0.529 | 1.051 | 0.000 | |
| 6,054.55 | 0.536 | 1.078 | 0.000 | |
| 6,055.00 | 0.537 | 1.319 | 0.000 | |
| 6,055.20 | 0.537 | 1.427 | 0.000 | |

Detailed Discharge Table

| Elevation | Straight Pipe (cfs) | Combined Total Discharge (cfs) |
|-----------|------------------------|---|
| 6,049.00 | 0.000 | 0.000 |
| 6,049.50 | 0.000 | 0.000 |
| 6,050.00 | 0.000 | 0.000 |
| 6,050.50 | 0.000 | 0.000 |
| 6,051.00 | 0.000 | 0.000 |
| 6,051.50 | 0.000 | 0.000 |
| 6,052.00 | 0.000 | 0.000 |
| 6,052.50 | 0.000 | 0.000 |
| 6,052.55 | 0.000 | 0.000 |
| 6,053.00 | 0.000 | 0.000 |
| 6,053.50 | 0.000 | 0.000 |
| 6,054.00 | 0.000 | 0.000 |
| 6,054.50 | 0.000 | 0.000 |
| 6,054.55 | 0.000 | 0.000 |
| 6,055.00 | 0.000 | 0.000 |
| 6,055.20 | 0.000 | 0.000 |

Subwatershed Hydrology Detail:

| Stru # | SWS # | SWS Area (ac) | Time of Conc (hrs) | Musk K (hrs) | Musk X | Curve Number | UHS | Peak Discharge (cfs) | Runoff Volume (ac-ft) |
|--------|-------|----------------|--------------------|--------------|--------|--------------|-----|----------------------|-----------------------|
| #2 | 1 | 1.700 | 0.056 | 0.000 | 0.000 | 85.000 | F | 1.68 | 0.08 |
| | | Σ 1.700 | | | | | | 1.68 | 0.08 |
| #1 | 1 | 3.700 | 0.030 | 0.000 | 0.000 | 89.000 | F | 4.99 | 0.24 |
| | | Σ 5.400 | | | | | | 6.67 | 0.32 |

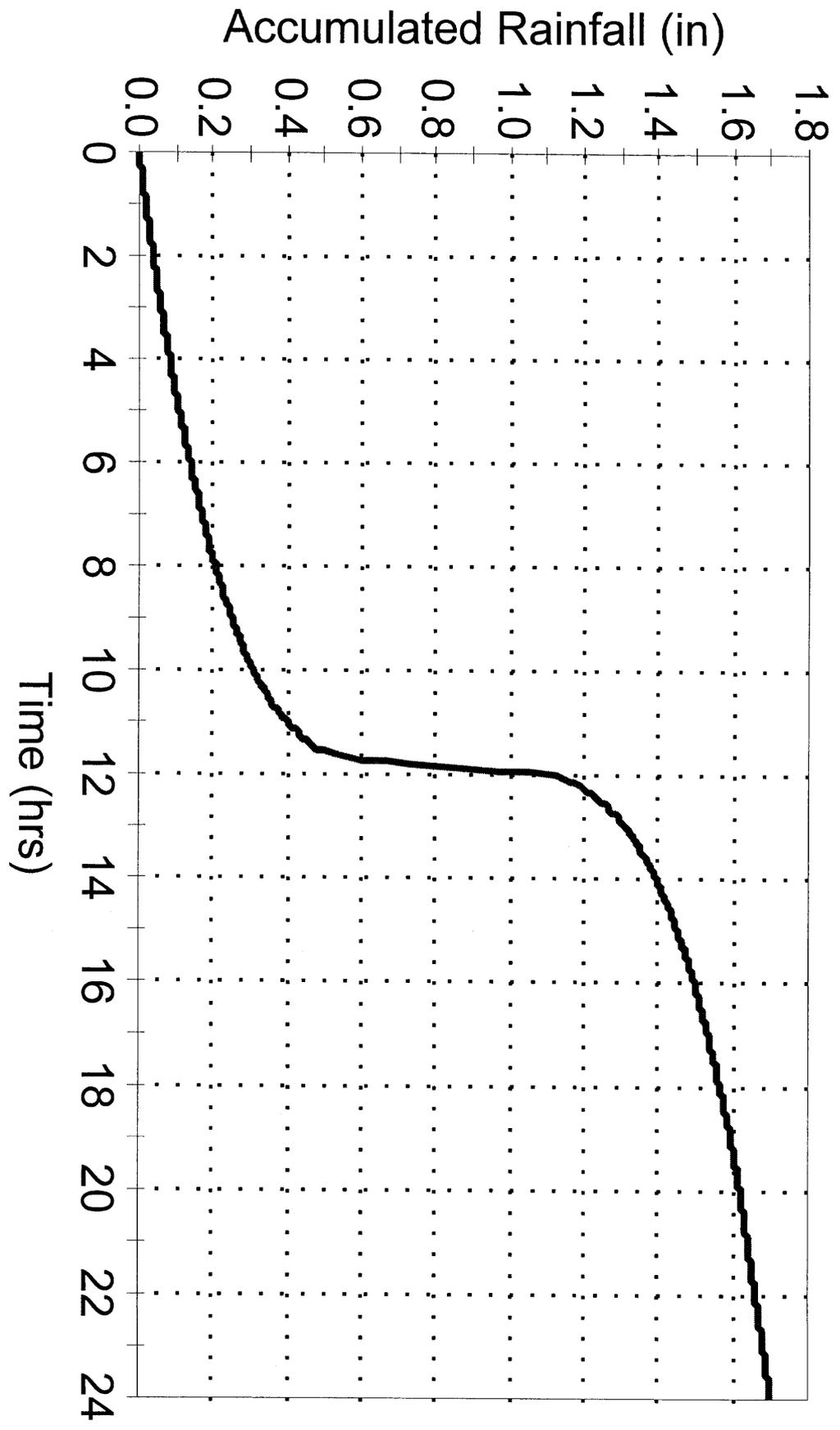
Subwatershed Time of Concentration Details:

| Stru # | SWS # | Land Flow Condition | Slope (%) | Vert. Dist. (ft) | Horiz. Dist. (ft) | Velocity (fps) | Time (hrs) |
|--------|-------|---|-----------|------------------|-------------------|----------------|--------------|
| #1 | 1 | 7. Paved area and small upland gullies | 5.00 | 25.00 | 500.00 | 4.500 | 0.030 |
| #1 | 1 | Time of Concentration: | | | | | 0.030 |
| #2 | 1 | 5. Nearly bare and untilled, and alluvial valley fans | 6.00 | 30.00 | 500.00 | 2.440 | 0.056 |
| #2 | 1 | Time of Concentration: | | | | | 0.056 |

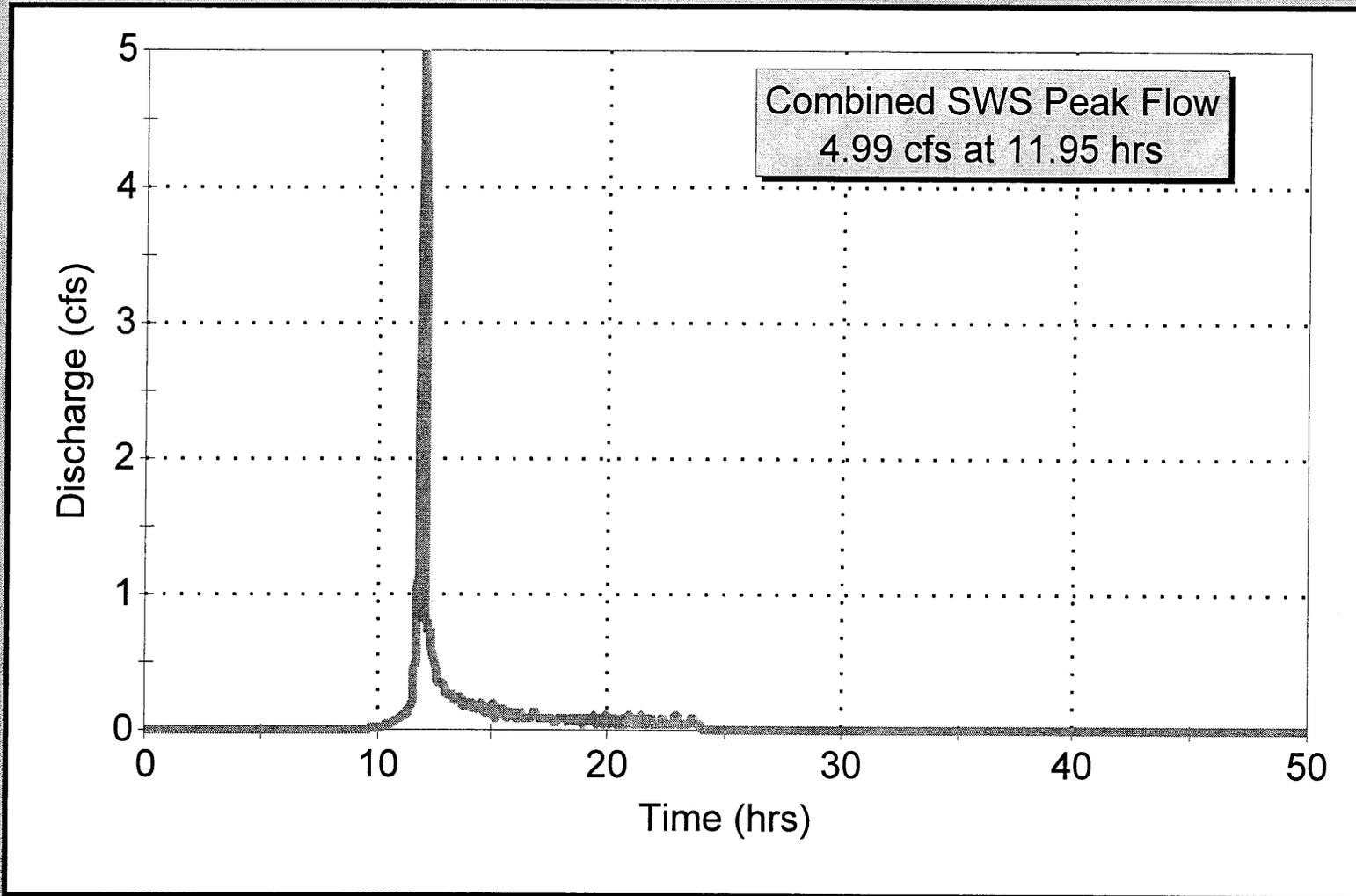
Subwatershed Muskingum Routing Details:

| Stru # | SWS # | Land Flow Condition | Slope (%) | Vert. Dist. (ft) | Horiz. Dist. (ft) | Velocity (fps) | Time (hrs) |
|--------|-------|---------------------|-----------|------------------|-------------------|----------------|--------------|
| #2 | 1 | | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 |
| #2 | 1 | Muskingum K: | | | | | 0.000 |

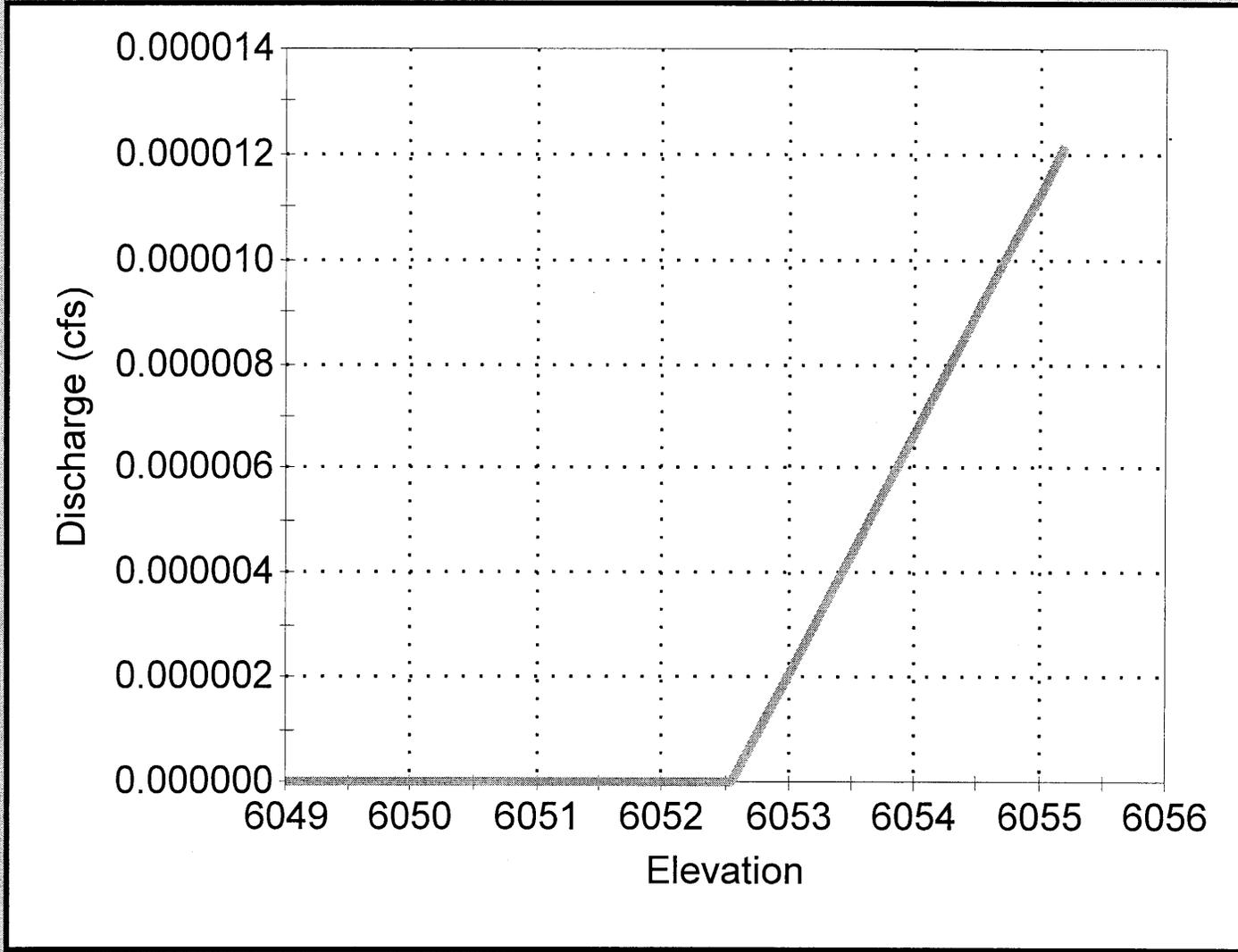
NRCS Type II, 10 yr - 24 hr Storm



Contributing SWS Hydrograph(s) for Structure # 1 (does not include upstream flow)

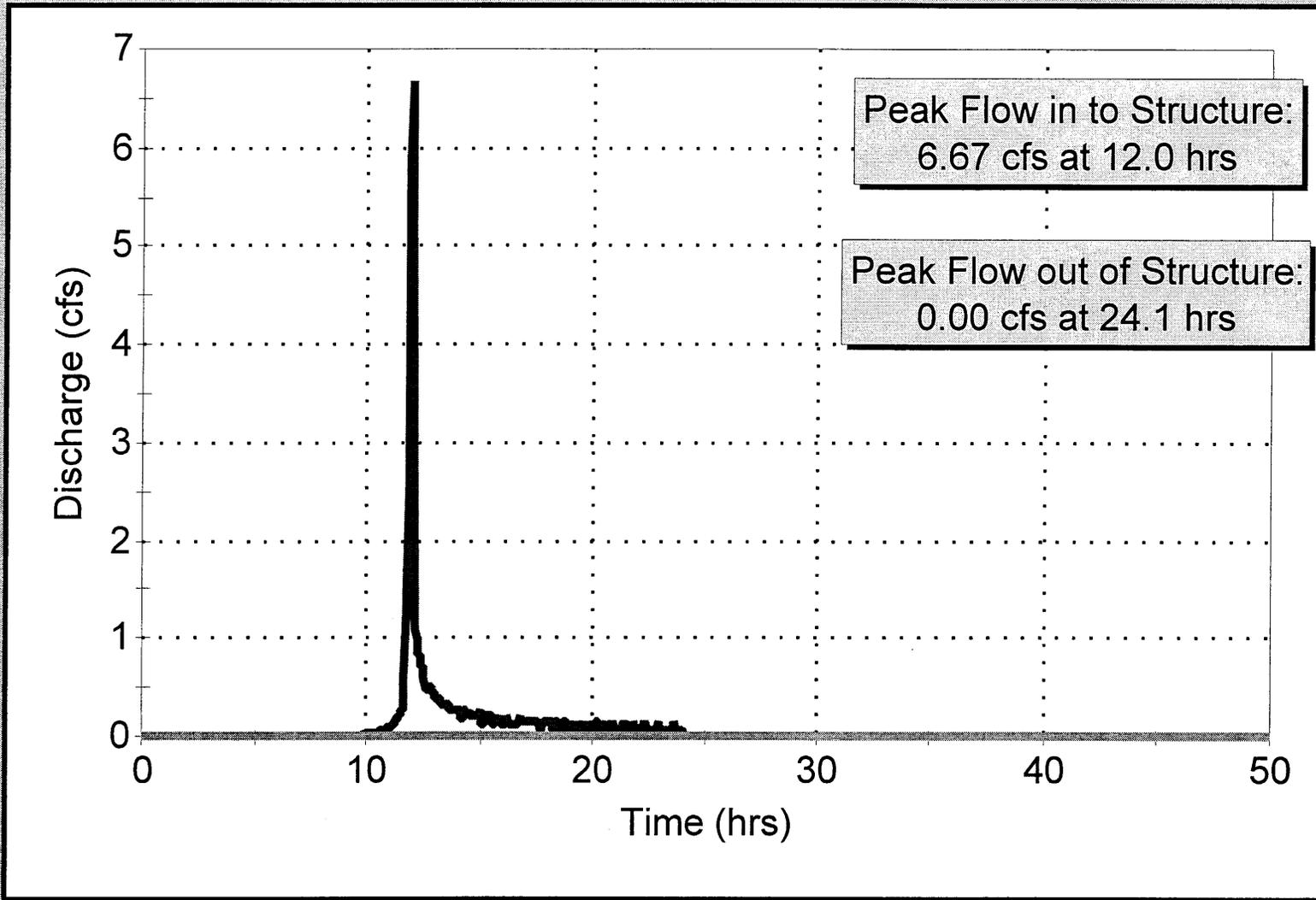


Stage-Discharge Curves for Structure # 1



— # 1, Straight Pipe
— Total discharge

Inflow/Outflow Hydrographs for Structure # 1

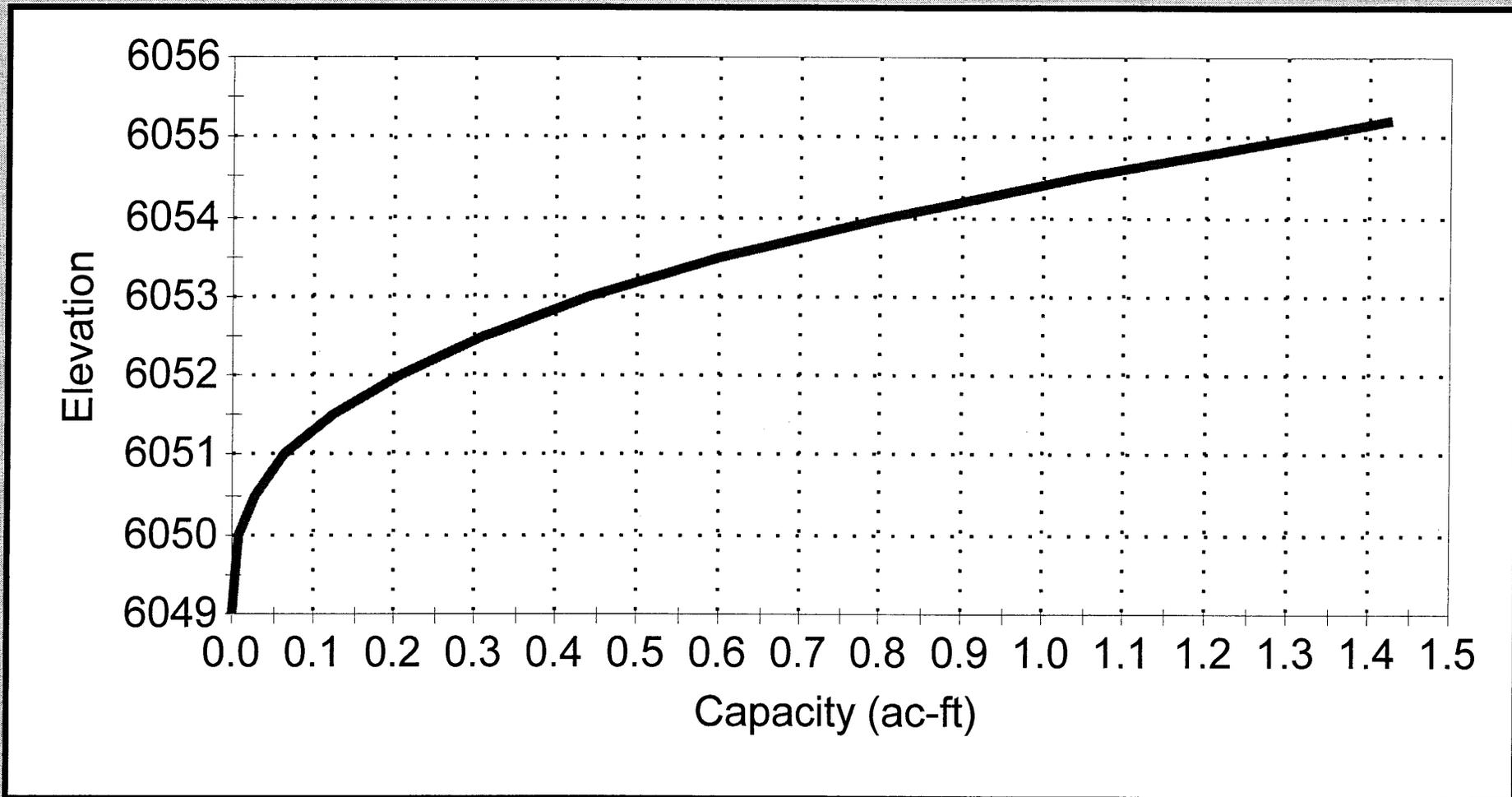


Peak Flow in to Structure:
6.67 cfs at 12.0 hrs

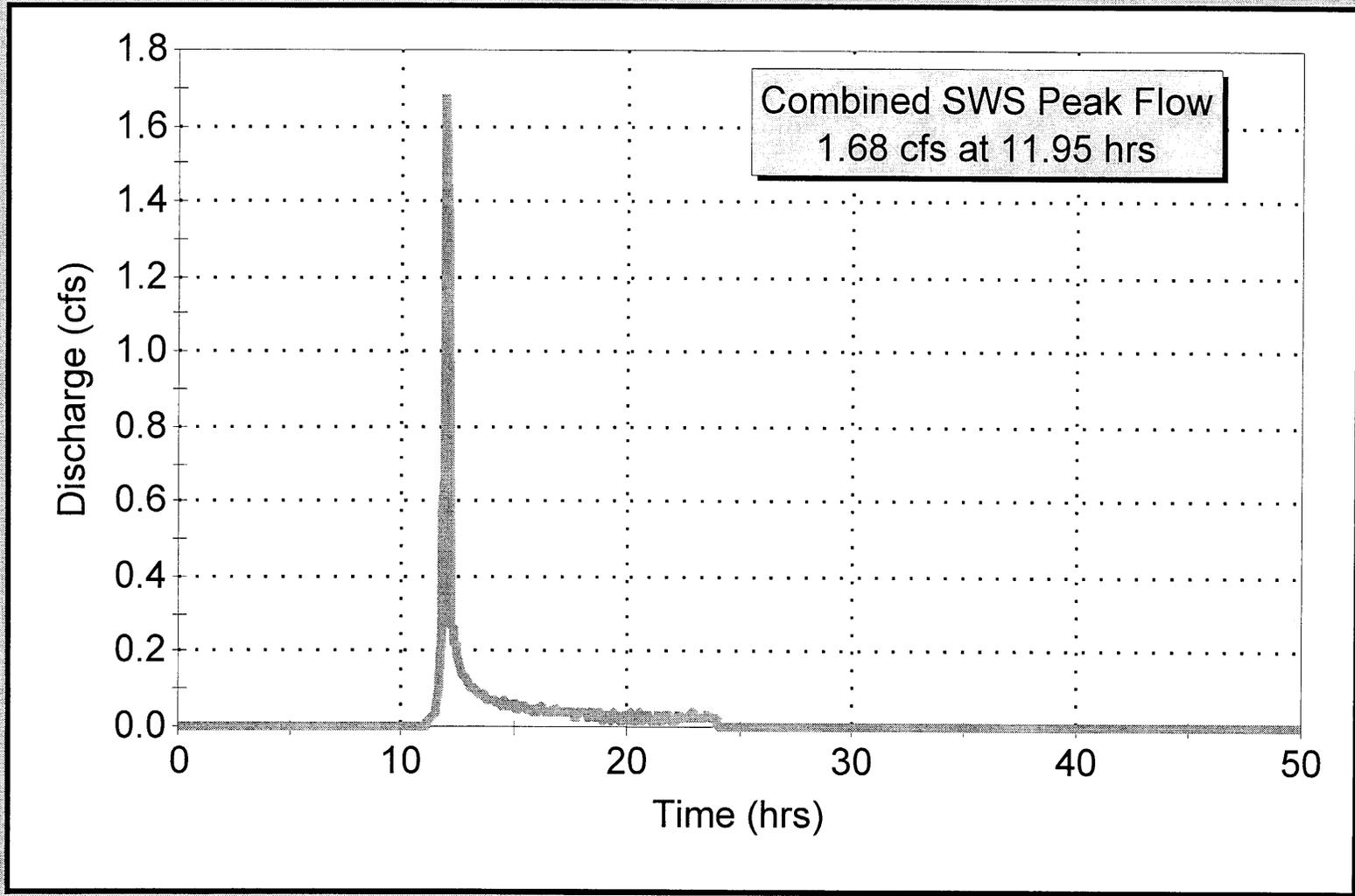
Peak Flow out of Structure:
0.00 cfs at 24.1 hrs

— Inflow
- - - Outflow

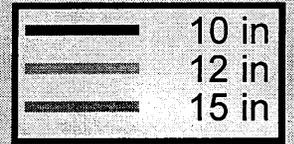
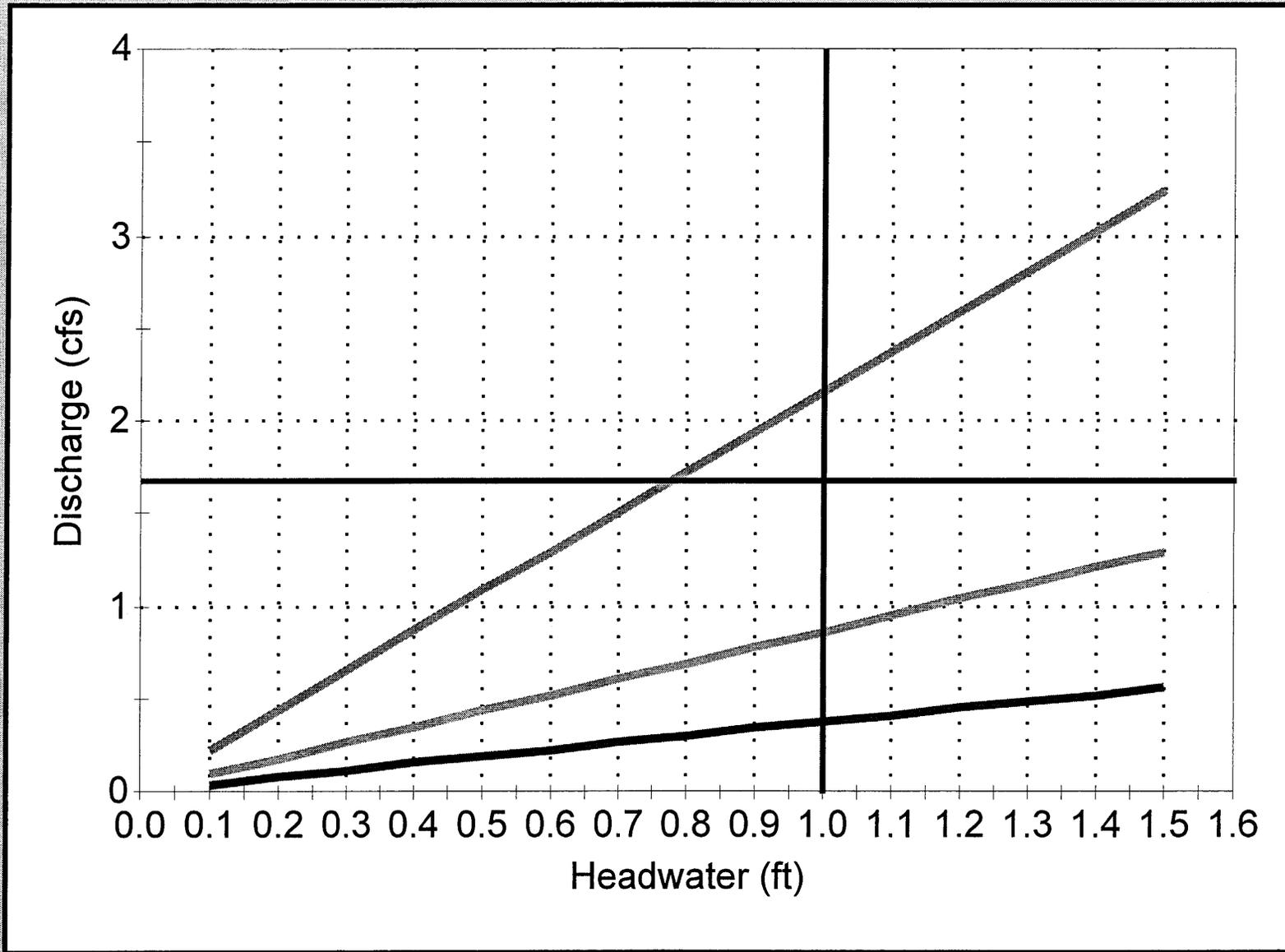
SEDIMENT POND #9 - STAGE/STORAGE CURVE



Contributing SWS Hydrograph(s) for Structure # 2 (does not include upstream flow)



Culvert Performance Curves - Structure # 2



EMERY MINE
4th EAST PORTAL SITE
ACT/015/015

EMERGENCY SPILLWAY
25 YR/24 HR DESIGN STORM
SEDIMENT POND #9

Kirschbaum

Island Creek Coal Company
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Phone: 618-625-6847
Email: timkirschbaum@consolenergy.com

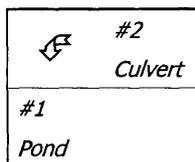
General Information

Storm Information:

| | |
|-----------------|---------------|
| Storm Type: | NRCS Type II |
| Design Storm: | 25 yr - 24 hr |
| Rainfall Depth: | 2.100 inches |

Structure Networking:

| Type | Stru # | (flows into) | Stru # | Musk. K (hrs) | Musk. X | Description |
|---------|--------|--------------|--------|---------------|---------|--------------------|
| Pond | #1 | ==> | End | 0.000 | 0.000 | Sediment Pond #9 |
| Culvert | #2 | ==> | #1 | 0.000 | 0.000 | 18-CMP Entrance Rd |



Structure Summary:

| | Immediate Contributing Area (ac) | Total Contributing Area (ac) | Peak Discharge (cfs) | Total Runoff Volume (ac-ft) |
|--------|---|---------------------------------------|----------------------------|--------------------------------------|
| #2 | 1.700 | 1.700 | 2.54 | 0.12 |
| #1 In | 3.700 | 5.400 | 9.58 | 0.47 |
| #1 Out | | | 0.00 | 0.00 |

Structure Detail:

Structure #2 (Culvert)

18-CMP Entrance Rd

Culvert Inputs:

| Length (ft) | Slope (%) | Manning's n | Max. Headwater (ft) | Tailwater (ft) | Entrance Loss Coef. (Ke) |
|-------------|-----------|-------------|---------------------|----------------|--------------------------|
| 60.00 | 0.50 | 0.0150 | 1.00 | 0.00 | 0.90 |

Culvert Results:

Minimum pipe diameter required: 18 inches

Structure #1 (Pond)

Sediment Pond #9

Pond Inputs:

| | |
|----------------------|------------|
| Permanent Pool Elev: | 6,052.55 |
| Permanent Pool: | 0.32 ac-ft |

Straight Pipe

| Barrel Diameter (in) | Barrel Length (ft) | Barrel Slope (%) | Manning's n | Spillway Elev | Entrance Loss Coefficient | Tailwater Depth (ft) |
|----------------------|--------------------|------------------|-------------|---------------|---------------------------|----------------------|
| 1.00 | 40.00 | 0.01 | 0.0140 | 6,052.55 | 0.90 | 0.00 |

Emergency Spillway

| Spillway Elev | Crest Length (ft) | Left Sideslope | Right Sideslope | Bottom Width (ft) |
|---------------|-------------------|----------------|-----------------|-------------------|
| 6,054.55 | 15.00 | 2.00:1 | 2.00:1 | 5.00 |

Pond Results:

| | |
|-------------------------|-----------|
| Peak Elevation: | 6,053.96 |
| H'graph Detention Time: | 0.00 hrs |
| Dewater Time: | 0.00 days |

Dewatering time is calculated from peak stage to lowest spillway

Elevation-Capacity-Discharge Table

SEDCAD 4 for Windows

Copyright 1998 Pamela J. Schwab
Civil Software Design

| Elevation | Area (ac) | Capacity (ac-ft) | Discharge (cfs) | Dewater Time (hrs) |
|-----------|--------------|---------------------|--------------------|--------------------------|
| 6,049.00 | 0.000 | 0.000 | 0.000 | |
| 6,049.50 | 0.012 | 0.002 | 0.000 | |
| 6,050.00 | 0.020 | 0.010 | 0.000 | |
| 6,050.50 | 0.053 | 0.027 | 0.000 | |
| 6,051.00 | 0.101 | 0.065 | 0.000 | |
| 6,051.50 | 0.142 | 0.126 | 0.000 | |
| 6,052.00 | 0.189 | 0.208 | 0.000 | |
| 6,052.50 | 0.232 | 0.313 | 0.000 | |
| 6,052.55 | 0.236 | 0.325 | 0.000 | Spillway #1 |
| 6,053.00 | 0.280 | 0.441 | 0.000 | |
| 6,053.50 | 0.363 | 0.601 | 0.000 | |
| 6,053.96 | 0.449 | 0.789 | 0.000 | 0.00 Peak Stage |
| 6,054.00 | 0.456 | 0.805 | 0.000 | |
| 6,054.50 | 0.529 | 1.051 | 0.000 | |
| 6,054.55 | 0.536 | 1.077 | 0.000 | Spillway #2 |
| 6,055.00 | 0.537 | 1.319 | 3.885 | |
| 6,055.20 | 0.537 | 1.426 | 5.611 | |

Detailed Discharge Table

| Elevation | Straight Pipe (cfs) | Emergency Spillway (cfs) | Combined Total Discharge (cfs) |
|-----------|------------------------|-----------------------------|---|
| 6,049.00 | 0.000 | 0.000 | 0.000 |
| 6,049.50 | 0.000 | 0.000 | 0.000 |
| 6,050.00 | 0.000 | 0.000 | 0.000 |
| 6,050.50 | 0.000 | 0.000 | 0.000 |
| 6,051.00 | 0.000 | 0.000 | 0.000 |
| 6,051.50 | 0.000 | 0.000 | 0.000 |
| 6,052.00 | 0.000 | 0.000 | 0.000 |
| 6,052.50 | 0.000 | 0.000 | 0.000 |
| 6,052.55 | 0.000 | 0.000 | 0.000 |
| 6,053.00 | 0.000 | 0.000 | 0.000 |
| 6,053.50 | 0.000 | 0.000 | 0.000 |
| 6,054.00 | 0.000 | 0.000 | 0.000 |
| 6,054.50 | 0.000 | 0.000 | 0.000 |
| 6,054.55 | 0.000 | 0.000 | 0.000 |
| 6,055.00 | 0.000 | 3.885 | 3.885 |
| 6,055.20 | 0.000 | 5.611 | 5.611 |

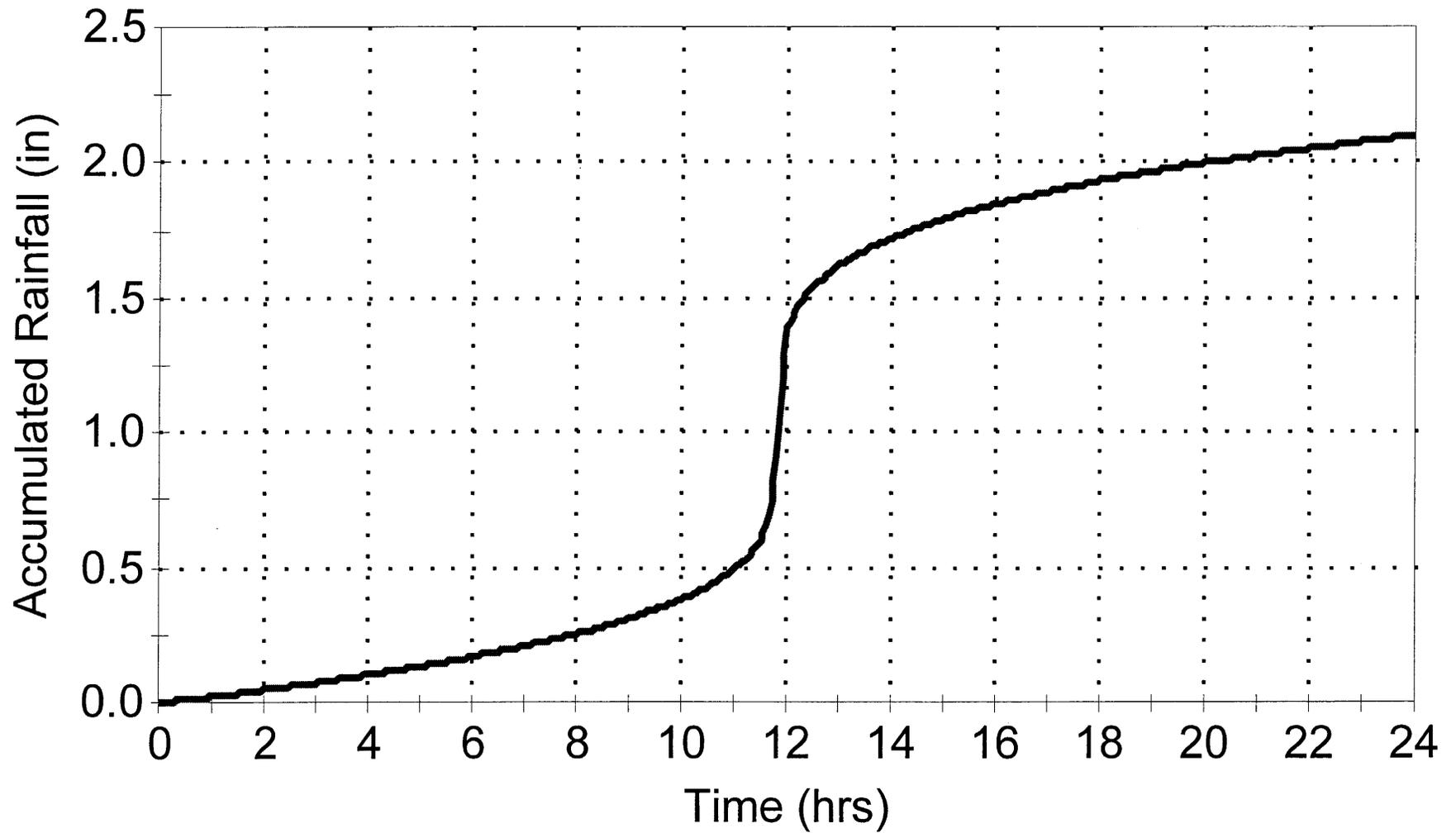
Subwatershed Hydrology Detail:

| Stru # | SWS # | SWS Area (ac) | Time of Conc (hrs) | Musk K (hrs) | Musk X | Curve Number | UHS | Peak Discharge (cfs) | Runoff Volume (ac-ft) |
|----------|-------|---------------|--------------------|--------------|--------|--------------|-----|----------------------|-----------------------|
| #2 | 1 | 1.700 | 0.056 | 0.000 | 0.000 | 85.000 | F | 2.54 | 0.12 |
| Σ | | 1.700 | | | | | | 2.54 | 0.12 |
| #1 | 1 | 3.700 | 0.030 | 0.000 | 0.000 | 89.000 | F | 7.04 | 0.34 |
| Σ | | 5.400 | | | | | | 9.58 | 0.47 |

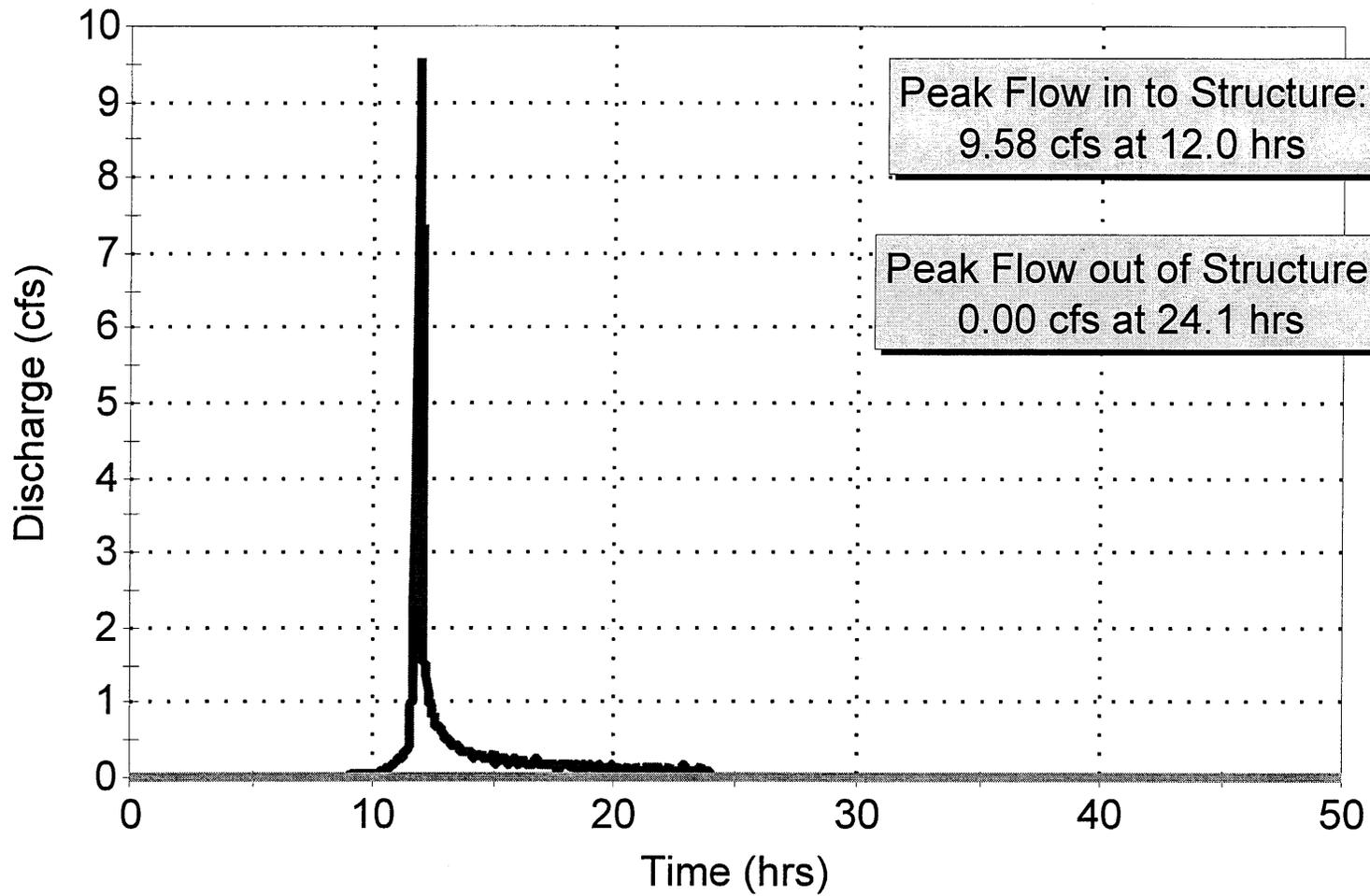
Subwatershed Time of Concentration Details:

| Stru # | SWS # | Land Flow Condition | Slope (%) | Vert. Dist. (ft) | Horiz. Dist. (ft) | Velocity (fps) | Time (hrs) |
|-----------|----------|---|-----------|------------------|-------------------|----------------|--------------|
| #1 | 1 | 7. Paved area and small upland gullies | 5.00 | 25.00 | 500.00 | 4.500 | 0.030 |
| #1 | 1 | Time of Concentration: | | | | | 0.030 |
| #2 | 1 | 5. Nearly bare and untilled, and alluvial valley fans | 6.00 | 30.00 | 500.00 | 2.440 | 0.056 |
| #2 | 1 | Time of Concentration: | | | | | 0.056 |

NRCS Type II, 25 yr - 24 hr Storm



Inflow/Outflow Hydrographs for Structure # 1

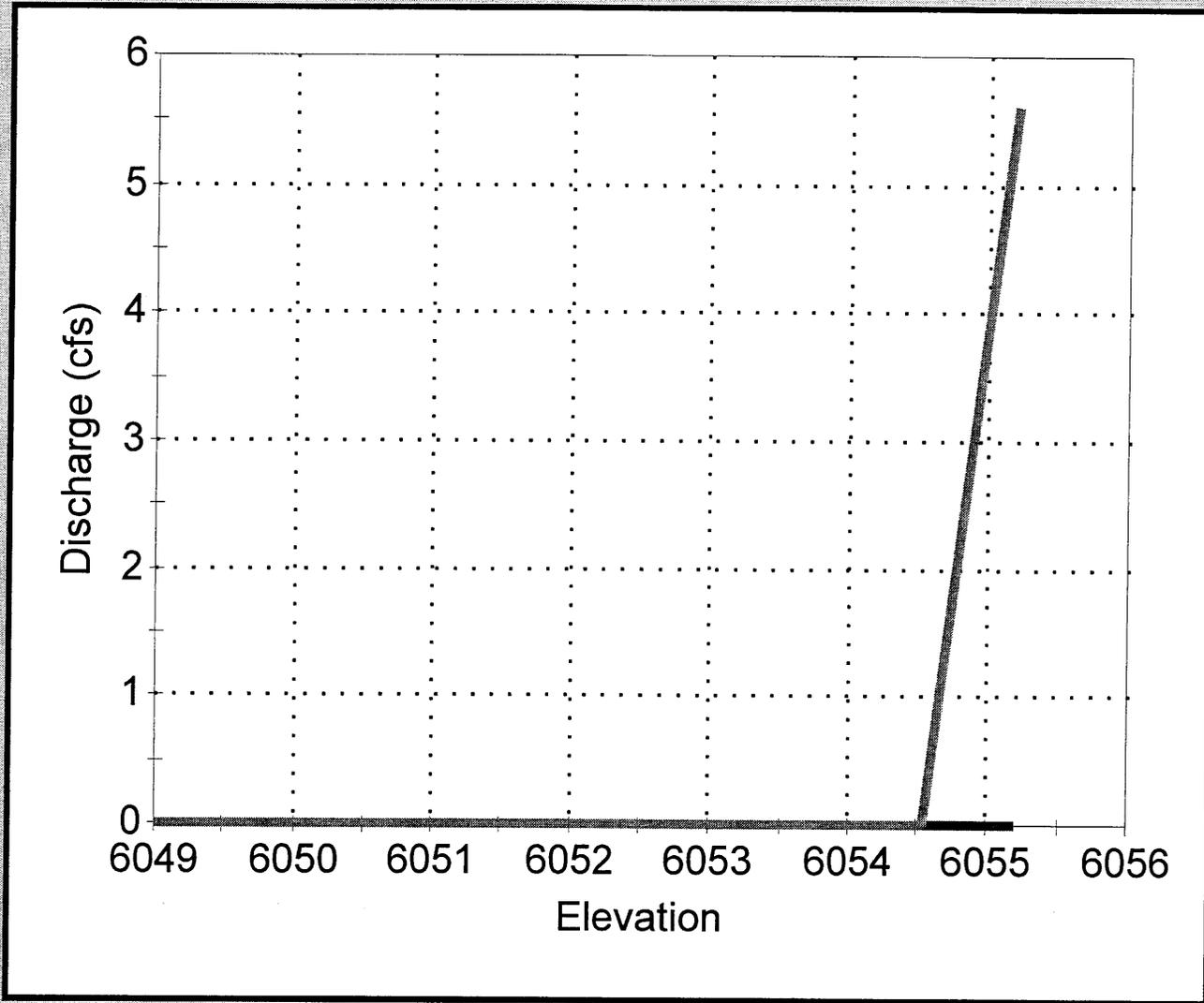


Peak Flow in to Structure:
9.58 cfs at 12.0 hrs

Peak Flow out of Structure:
0.00 cfs at 24.1 hrs

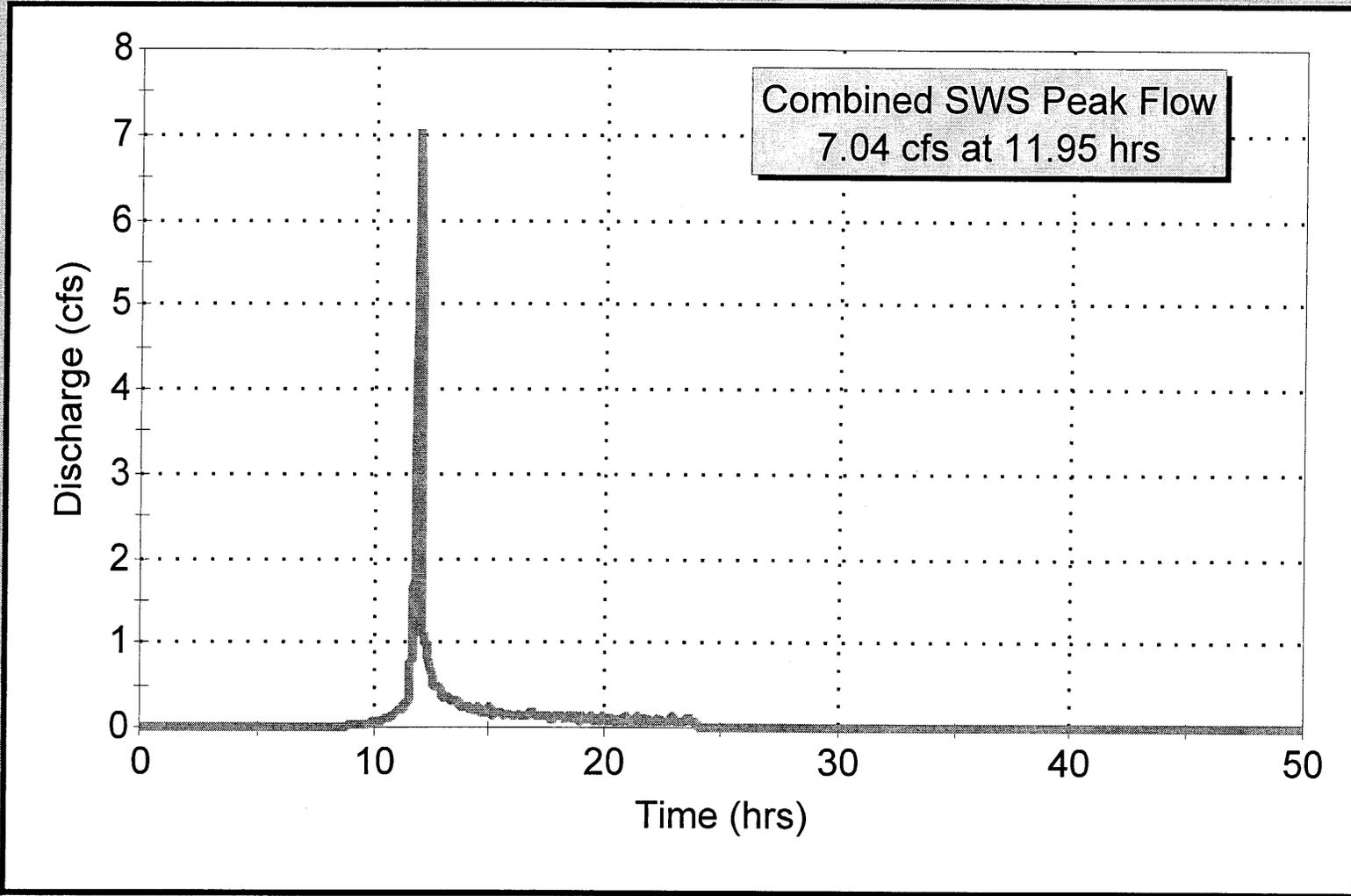
— Inflow
- - - Outflow

Stage-Discharge Curves for Structure # 1

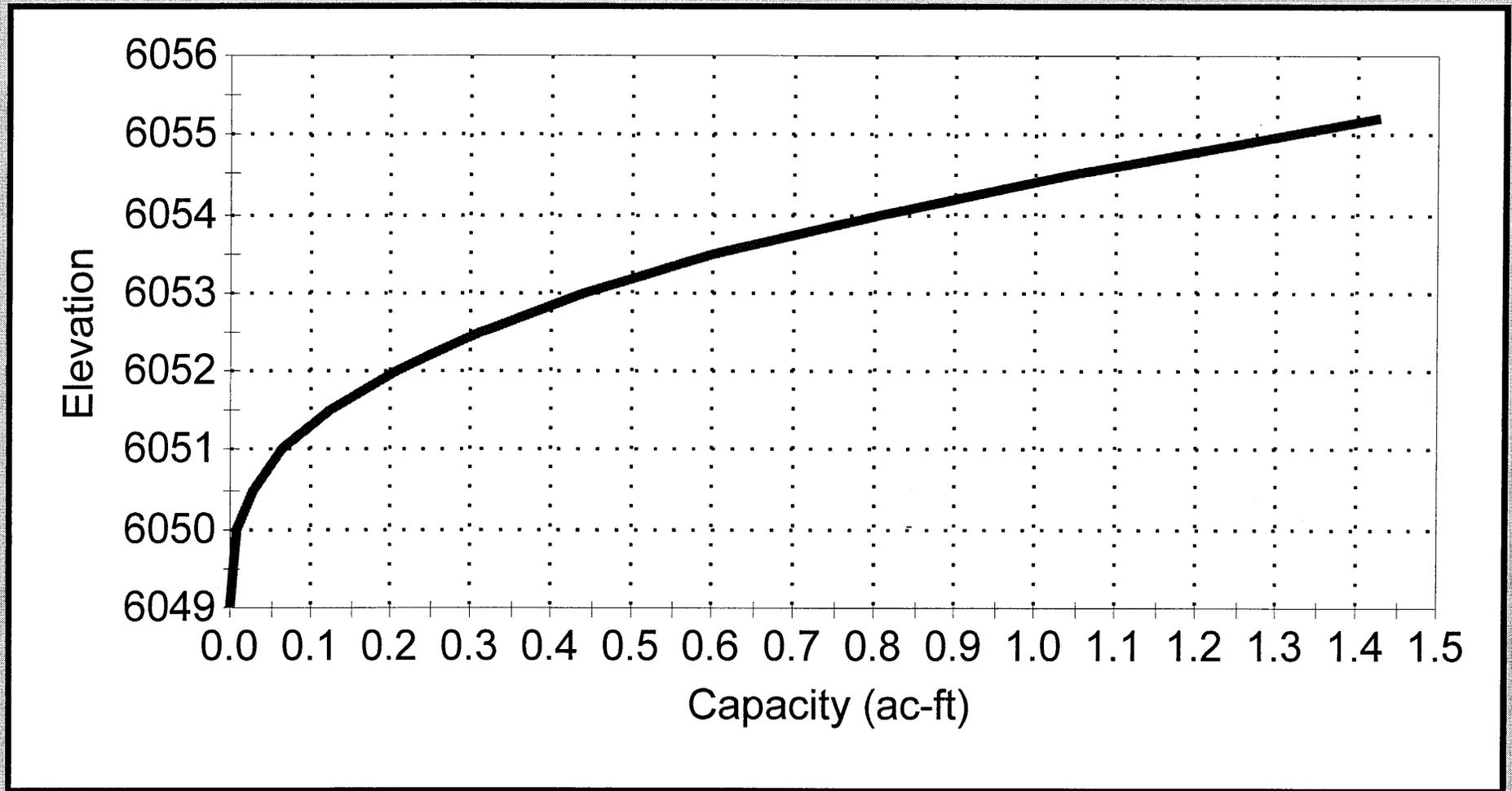


- # 1, Straight Pipe
- # 2, Emergency Spillway
- Total discharge

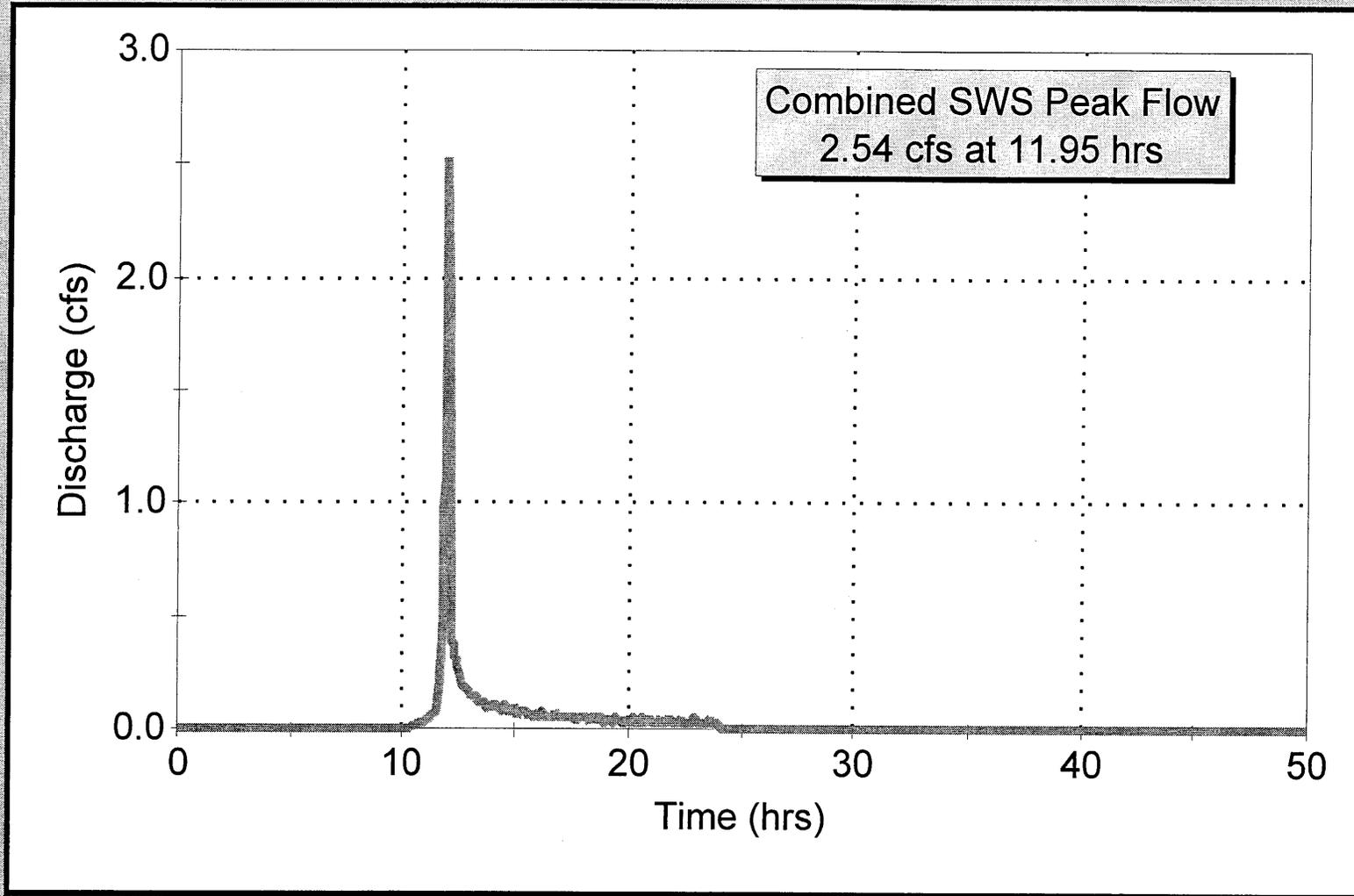
Contributing SWS Hydrograph(s) for Structure # 1 (does not include upstream flow)



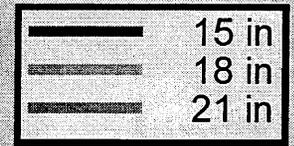
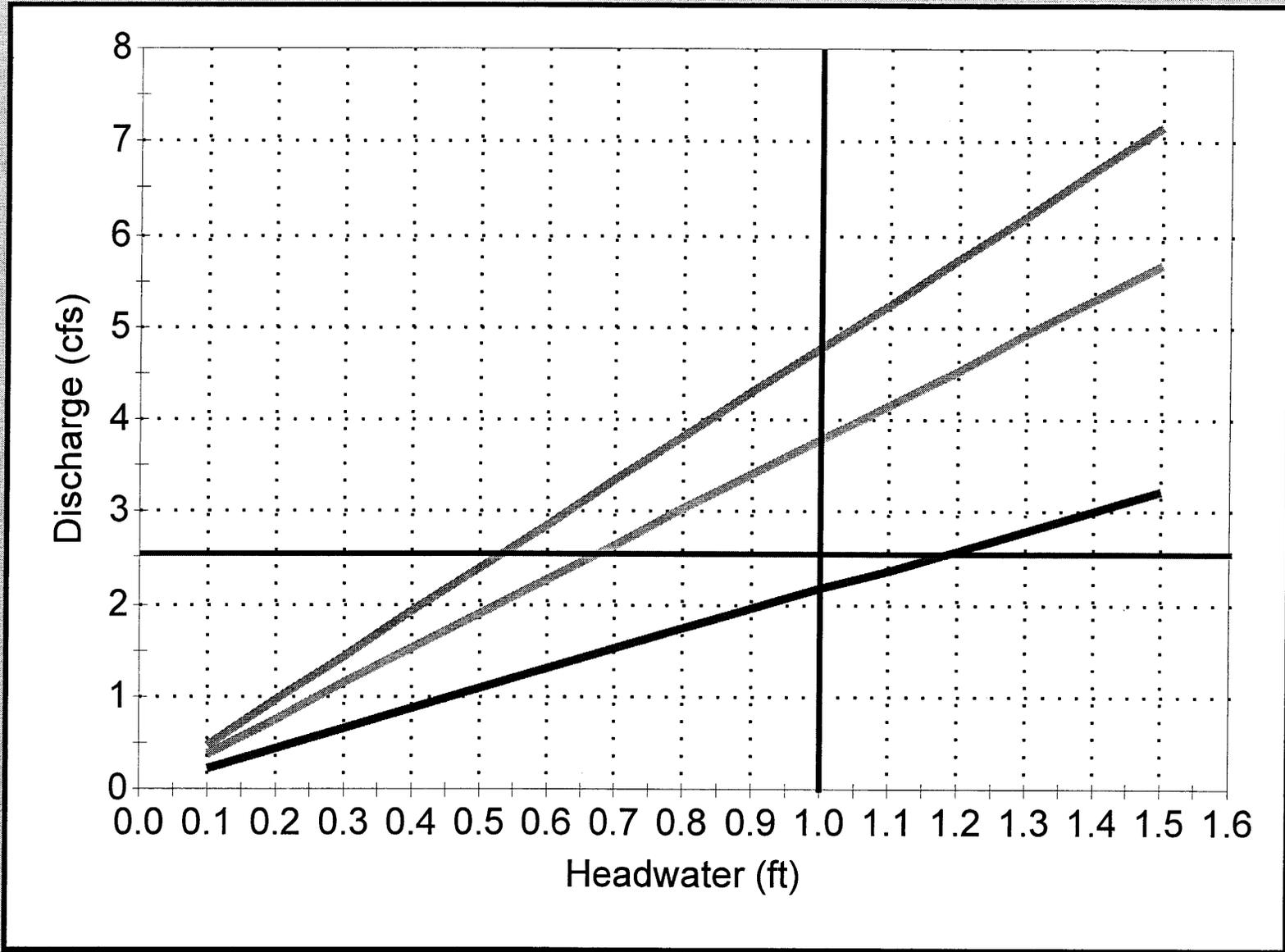
SEDIMENT POND #9 - STAGE/STORAGE CURVE



Contributing SWS Hydrograph(s) for Structure # 2 (does not include upstream flow)



Culvert Performance Curves - Structure # 2



APPENDICES

VII-1 TOPSOIL SUBSTITUTION PLAN - REVEGETATION DEMONSTRATION PLAN
FOR AREAS AFFECTED PRIOR TO
AUGUST 3, 1977

VII-2 TOPSOIL SUBSTITUTION PLAN - UNDERGROUND DEVELOPMENT WASTE
DISPOSAL SITE

VII-3 SOIL RESOURCES AT THE 4th EAST PORTAL AREA-

Mt. Nebo Scientific, Inc., April 2002

VII-4 LETTER FROM MT. NEBO CONSULTANTS - APPEND 1.45 AC. AREA
TO 4th EAST PORTAL AREA-

PLATES

VII-1 SOIL MAP

APPENDICE VII-4

LETTER FROM MT. NEBO CONSULTANTS -
APPEND 1.45 AC. AREA to 4th EAST PORTAL AREA

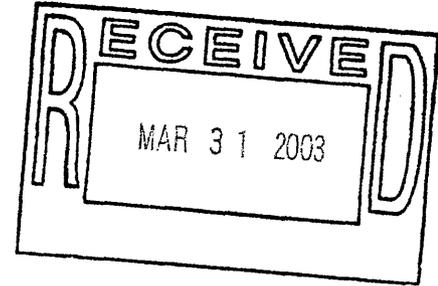


MT NEBO SCIENTIFIC, INC.

research & consulting

March 26, 2003

Tim Kirschbaum, P.E.
Consolidation Coal Company
P.O. Box 566
Sesser, Illinois 62884



Dear Mr. Kirschbaum:

You requested from us additional vegetation and soils information within the proposed increased area of the 4th East Portal permit boundary.

Vegetation

I have revised the current plant community boundary lines within the 4th East Portal permit area. Although I did not visit the site specifically to revise the current vegetation map, I do have a collection of good color photographs of the area. Because the proposed new permit area extension was relatively small, I used my photographs to extend the existing plant community boundary lines. A revised vegetation map has been included with this letter.

The proposed new area, however, should be survey for threatened, endangered or rare plant species. Plans should be made to do this study in late April or early May 2003.

Soils

I asked Mr. James Nyenhuis, Certified Professional Soil Scientist, to respond to your request regarding soils. Mr. Nyenhuis visited the site. His response is shown below. A revised soils map based on Mr. Nyenhuis' visit has also been included in this letter.

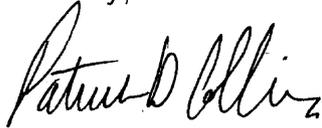
From James Nyenhuis letter-report (March 2003):

At your request, I visited the Emery Deep 4th East Portal Area site on March 14, 2003 for the purpose of extending the previous detailed soil survey to include a small strip of land between the northeast border of the permit area and the closely adjacent northwest/southeast trending dirt road. The area to be surveyed was outlined (cross hatched) on a site map emailed to me on March 6. The intent of the new survey is to support the request to include the small strip in the Disturbance Area of the permit area. The small strip has been impacted by wind-blown coal fines from adjacent mining activities. Prior to the survey, I spoke by telephone with Mr. Tim Kirshbaum (Consol P.E.) and meet with Mr. Seth McCourt (Consol Project Manager) at the site.

The small strip had been traversed by foot during the previous soil survey of the 4th East Portal Area last year although no backhoe pits had been dug on the strip itself. This time, the strip was again traversed by foot and numerous shallow spade holes were dug to confirm and/or revise the previous mapping extension. Results indicate that the previous map unit lines can be extended along contour lines over to the dirt road. From north to south, three map unit delineations were extended to the dirt road to the east: (1) map unit PCE2: Persayo-Chipeta complex, (2) map unit CeE2: Castle Valley extremely stony very fine sandy loam, and (3) map unit RY: Rock Land. Map Unit RY (Rock Land) is present along or just south of the south boundary of the small strip area. The attached soil map includes the new soil mapping, and it can be digitized for acreage determination. No soil samples were collected because no new soil series were identified.

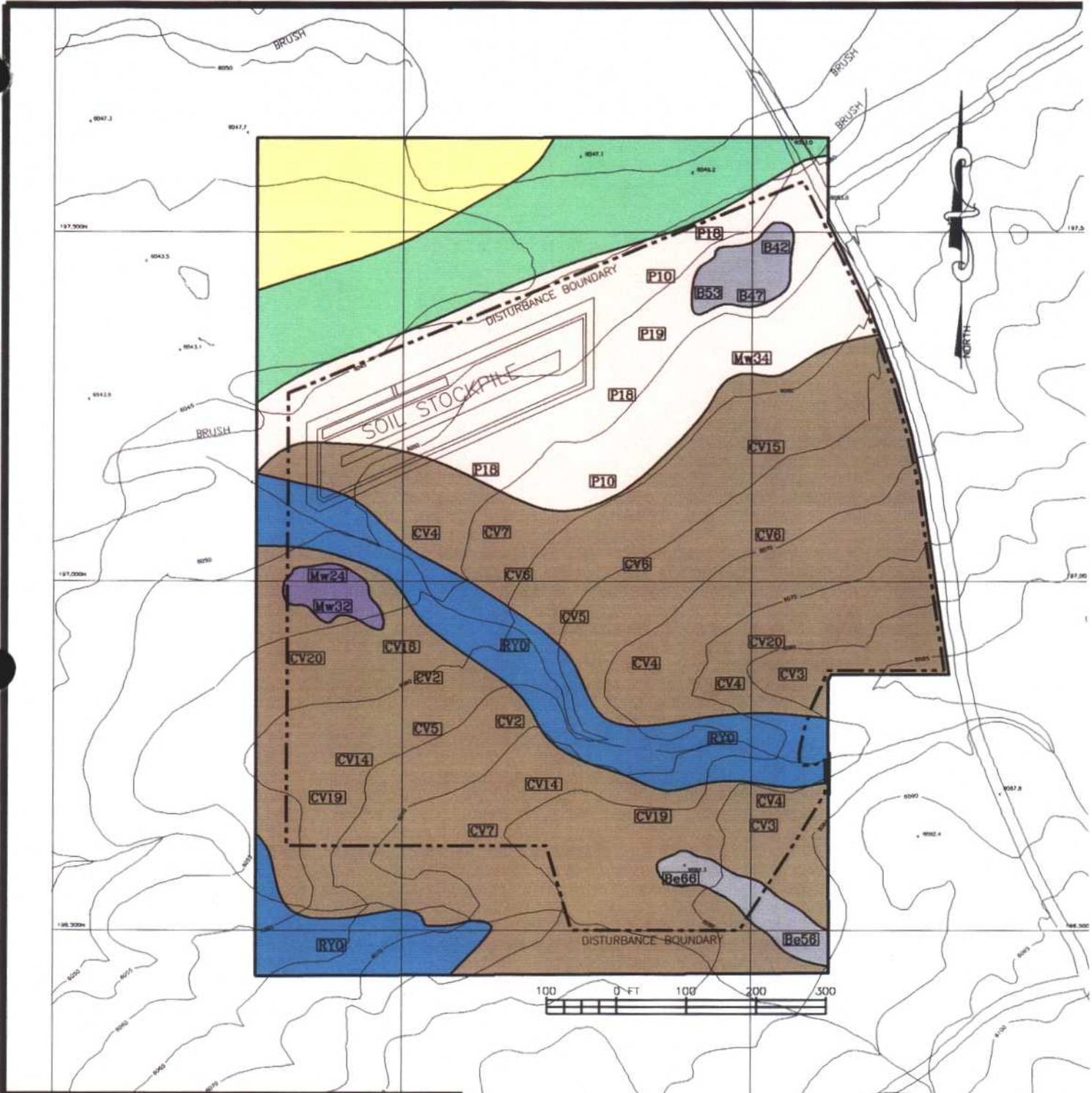
Please contact me if you have questions or comments. Also, let me know if you want me to conduct a sensitive plant survey in the new area at the appropriate time.

Sincerely,



Patrick D. Collins, Ph.D.

Enclosures



SOILS MAP

EMERY DEEP
4TH EAST PORTAL AREA

CONSOLIDATION COAL COMPANY



MT. NEBO SCIENTIFIC, INC.
RESEARCH & CONSULTING

| DRAWN | G. Barton | REVISIONS BY | DATE |
|---------|--------------|-----------------|---------|
| CHECKED | P. Collins | Rev.1 J. Kummer | 9.12.02 |
| DATE | May 10, 2002 | Rev.2 G. Barton | 3.28.03 |
| SCALE | 1"=200' | | |

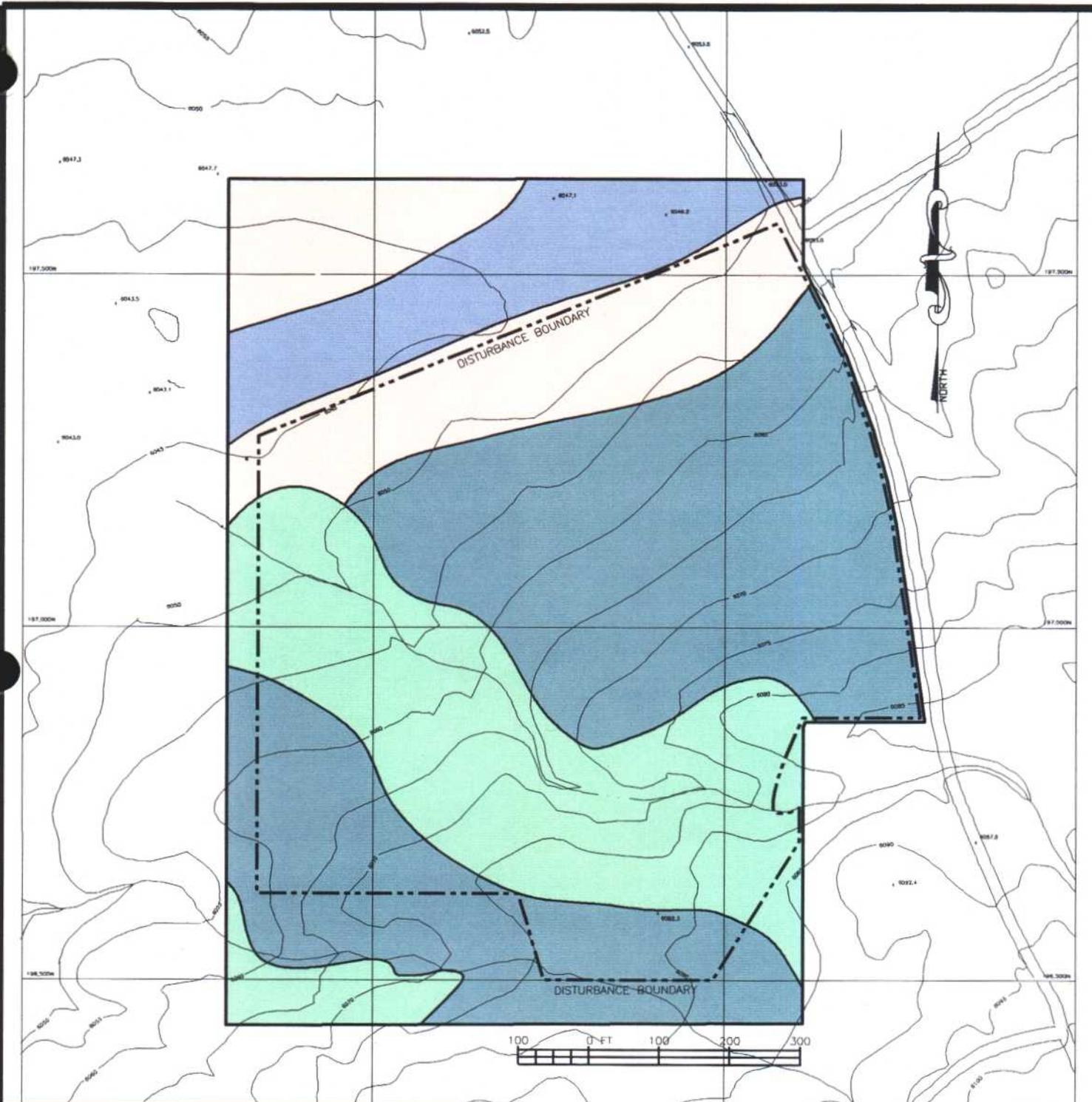
MAP UNIT SYMBOLS

| | | | |
|---|------|--|------|
|  | KLB |  | RY |
|  | Fe |  | CeE2 |
|  | PCE2 |  | Mw |
|  | Be | | |

SOIL SERIES

P = Persayo
CV = Castle Valley
RY = Rock Outcrop
B = Begay
Mw = Montwell
F = Ferron

CV14 Backhoe pit locations.
(numbers represent depth to bedrock in inches)



VEGETATION MAP

EMERY DEEP
4TH EAST PORTAL AREA

CONSOLIDATION COAL COMPANY



MT. NEBO SCIENTIFIC, INC.
RESEARCH & CONSULTING

| DRAWN | G. Barton | REVISIONS | BY | DATE |
|---------|--------------|-----------|-----------|---------|
| CHECKED | P. Collins | Rev.1 | G. Barton | 3.26.03 |
| DATE | May 10, 2002 | | | |
| SCALE | 1"=200' | | | |

PLANT COMMUNITIES

- Greasewood
- Shadscale
- Saltgrass
- Juniper/ Sagebrush

CHAPTER X

PART A: CULTURAL RESOURCES

| | Page |
|--|------|
| NARRATIVE FOR UMC 783.12(b), 783.24(i),(j)&(k), AND 784.17 | 1-3 |

APPENDICES

| | |
|-----|--|
| 5.0 | ARCHEOLOGICAL EVALUATION - AERC, 1980 |
| 5-1 | ARCHEOLOGICAL EVALUATION - AERC, 1981 |
| 5-2 | ARCHEOLOGICAL EVALUATION - M.S. BERRY, 1975 |
| 5-3 | ARCHEOLOGICAL EVALUATION - AERC, 1988 |
| 5-4 | ARCHEOLOGICAL SITE FORMS |
| 5-5 | ARCHEOLOGICAL EVALUATION - MONTGOMERY ARCHAEOLOGICAL CONSULTANTS, <u>4th EAST PORTAL SITE, MAY 2002</u> |
| 5-6 | ARCHEOLOGICAL EVALUATION - MONTGOMERY ARCHAEOLOGICAL CONSULTANTS, <u>4th EAST POWERLINE, AUGUST 2002</u> |
| 5-7 | <u>ARCHEOLOGICAL EVALUATION - MONTGOMERY ARCHAEOLOGICAL CONSULTANTS, 4th EAST EXTENSION AREA, MARCH 2003</u> |

PLATES

| | | |
|-------|--------------------------------------|------------|
| X.A-1 | PERMIT AREA CULTURAL RESOURCES | MAP POCKET |
|-------|--------------------------------------|------------|

X.A CULTURAL RESOURCES

This part presents the archeological, historical, and paleontological information in and adjacent to the permit area. This information is contained in four (4) survey reports which are appended to this part.

The first, referred to herein as "Chapter 5.0", was prepared by AERC in October of 1980. The second, referred to herein as "Appendix 5-1", was prepared by AERC in July of 1981. The third, referred to herein as "Appendix 5-2", was prepared by Michael S. Berry, Utah Division of State History, in March of 1975. The fourth survey report, Appendix 5-3, was completed by AERC in October, 1988. The site forms are attached in a fifth section, referred to as "Appendix 5-4". The fifth survey report, Appendix 5-5, was completed by Montgomery Archaeological Consultants in May of 2002. This report covers 40 acres surrounding and including the 4th East Portal Site. The sixth referenced survey report, Appendix 5-6, covers the 4th East Powerline Corridor and was completed by Montgomery Archaeological Consultants in August of 2002. One site identified as historically significant was marked in the field and will be avoided as recommended by Montgomery. The seventh survey, referred to as "Appendix 5-7" was conducted by Montgomery Archaeological Consultants in March 2003. This survey was conducted to extend the inventoried areas of the 4th East Portal site. The survey covered an additional 40 acres to the east of "Appendix 5-5" original survey area. This extended area identified one new archaeological site "42Em2961". This new site will be avoided and a fence has been erected along the site boundary.

These survey reports have not been edited or revised for this repermit application; they were originally prepared for the March 23, 1981 permit application (approved as ACT/015/015 on January 7, 1986) and subsequent revisions and are included herein in their entirety.

UMC 783.12(b)

The attached investigations describe all of the known archeological sites in the permit area. No cultural and historic resources listed on the National Register of Historic Places occur in the permit area. A compendium is included which consolidates information on all of the sites.

Revised 4/2003

UMC 783.24(i),(j),(k)

Each of the attached investigations contain maps showing the locations of known archeological sites. Plate X.A-1 combines all of these locations on a single map at a scale of 1"-500'. This plate also shows areas of surface disturbance according to the plan of operations. There are no Indian burial grounds in or within 100 feet of the permit area. There are no lands in the area which are within the boundaries of any units of the ~~National System of Trails~~ or the Wild and Scenic Rivers System.

Portions of the designated disturbance area under the Emery Mine permit was placed under the National Trails System in late 2002. The Act cited as the "Old Spanish Trail Recognition Act of 2002" was by the President on December 4, 2002. Notation as to the trails existence is located on the "Cultural Resource Map", Plate X-A-1.

UMC 784.17

There are no historic places which would be adversely affected by the operation, within or adjacent to the permit area.

Inserted 4/2003

CULTURAL RESOURCE INVENTORY OF
CONSOLIDATION COAL COMPANY'S
EMERY MINE 4th EAST PORTAL LOCATION IN
EMERY COUNTY, UTAH

Sharyl Kinnear-Ferris

CULTURAL RESOURCE INVENTORY OF
CONSOLIDATION COAL COMPANY'S
EMERY MINE 4th EAST PORTAL LOCATION IN
EMERY COUNTY, UTAH

By
Sharyl Kinnear-Ferris

Prepared For:

Division of State History
300 Rio Grande
Salt Lake City, UT 84101

Prepared Under Contract With:

Consolidation Coal Company
P.O. Box 566, Route 148 North
Sesser, IL 62959

Prepared By:

Montgomery Archaeological Consultants, Inc.
P.O. Box 147
Moab, Utah 84532

MOAC Report 03-49

March 26, 2003

United States Department of Interior (FLPMA)
Permit No. 02-UT-60122

State of Utah Antiquities Project (Survey)
Permit No. U-03-MQ-0129p

TABLE OF CONTENTS

| | |
|--|----|
| TABLE OF CONTENTS | i |
| LIST OF FIGURE | i |
| INTRODUCTION | 1 |
| DESCRIPTION OF PROJECT AREA | 2 |
| Environmental Setting | 2 |
| Cultural Overview | 2 |
| SURVEY METHODOLOGY | 7 |
| INVENTORY RESULTS | 7 |
| Archaeological Site | 7 |
| Isolated Find of Artifact | 7 |
| NRHP EVALUATION | 8 |
| MANAGEMENT RECOMMENDATION | 8 |
| REFERENCES CITED | 9 |
| APPENDIX A: INTERMOUNTAIN ANTIQUITIES COMPUTER SYSTEM (IMACS) SITE FORM | 12 |

LIST OF FIGURE

1. Inventory Area of Consolidation Coal Company's Emery Mine 4th East Portal Location in Emery County, UT 3

INTRODUCTION

A cultural resource inventory was conducted by Montgomery Archaeological Consultants (MOAC) in March 2003 for Consolidation Coal Company's Emery Mine 4th East Portal Location in Emery County, Utah. The inventory was implemented at the request of Mr. Timothy Kirschbaum of Consolidation Coal Company, Sesser, IL. The project area is located approximately 3 miles southeast of the town of Emery in Emery County, Utah. The survey area occurs on private property.

The objectives of the inventory were to locate, document, and evaluate any cultural resources within the project area in order to attain compliance with a number of federal and state mandates, including the National Historic Preservation Act of 1966 (as amended), the National Environmental Policy Act of 1969, the Archaeological and Historic Conservation Act of 1972, the Archaeological Resources Protection Act of 1979, the American Indian Religious Freedom Act of 1978, and the Utah State Antiquities Act of 1973 (amended 1992).

The fieldwork was performed by Sharyl Kinnear-Ferris, assisted by Eli Jones on March 25, 2003. Permits issued to MOAC entailed U.S.D.I. (FLPMA) Permit No. 02-UT-60122 and State of Utah Antiquities Project (Survey) No. U-03-MQ-0129p.

A file search for previous inventories and documented cultural resources was performed by Keith Montgomery on July 24, 2002 at the Bureau of Land Management, Price Field Office. In the immediate project area MOAC completed an inventory in T 22S, R 6E, Sec. 27 for Consolidation Coal Company's Emery mine portal (Elkins and Montgomery 2002). The survey resulted in the documentation four prehistoric isolated artifacts consisting of a biface and pieces of lithic debitage. Later in 2002, MOAC inventoried Consolidation Coal Company's power line route to the Emery Mine, finding two archaeological sites and one isolated find of artifact (Raney and Montgomery 2002). Site 42Em2821 consists of a historic trash scatter, evaluated as not eligible for inclusion to the NRHP. Site 42Em2822 is a multi-component (protohistoric/historic) site evaluated as eligible to the NRHP under Criterion D. The protohistoric component is comprised of lithic debitage, chipped stone tools, and groundstone tools. Historic items include pieces of ceramic and glass, and tin cans.

A number of other projects have been conducted near the project area. The Division of State History conducted an inventory for the Consolidated Coal and Kemmerer Coal Company in 1976 that resulted in the documentation of three prehistoric sites (42Em635, 42Em636 and 42Em637) (Berry 1975). In 1980, Archeological-Environmental Research Corporation performed a survey of the Emery Mine project area in T 22S, R 6E, Secs. 27, 28 and 33 (Hauck 1980). Documented cultural resources included the Browning Mine, a portion of the Spanish Trail as well as several rockshelters and lithic scatters. None of the cultural resources documented by AERC are in the survey area. The Bureau of Reclamation completed an inventory of eight irrigation canals for the Price-San Rafael Basin project (Wiens 1984). No cultural resources were found. Also in 1984, La Plata Archaeological Consultants performed a survey of 11 seismic lines in Emery and Carbon counties, finding no sites (Harden 1984). In 1995, SWCA Inc. completed an inventory of the SR-29, Straight Canyon to SR-10 project (Miller and Roberts 1995). In 1996, Montgomery Archaeological Consultants surveyed Texaco Exploration's Cottonwood Creek and Grimes Wash pipelines that resulted in the documentation of a segment of the historic Straight Canyon road (42Em2423.5) (Montgomery 1996). In 1997, MOAC completed the Cottonwood Creek water project (Montgomery and Montgomery 1997). Two cultural resources including a segment of the historic Straight Canyon road (42Em2423.6) and a portion of the Mammoth Canal (42Em2472.1) were documented. In 2002, MOAC inventoried a coal haul road for Consolidation Coal finding no cultural resources (Montgomery 2002).

DESCRIPTION OF THE PROJECT AREA

Environmental Setting

The proposed Consolidation Coal Company's Emery Mine 4th East Portal is located about 3 miles southeast of the town of Emery, Utah. The 40-acre parcel lies near Christiansen Wash, with Miller Canyon and the Coal Cliffs to the east and Quitchupah Creek to the west (Figure 1). The legal description is Township 22 South, Range 6 East, Section 27.

In general, the project area lies along the western margin of Castle Valley, along the boundary of the Mancos Shale Lowland and San Rafael Swell sections of the Colorado Plateau (Stokes 1986). Castle Valley is comprised of a series of broad, shallow canyons and flat-topped mesas. Sandstones and shales ranging in age from the Pennsylvanian through the Holocene predominate in this area. The primary formation is the Cretaceous Mancos Shale, which consists of a series of thick shale layers with thinner interbeds of sandstones. Many of the areas of higher relief are capped with Quaternary gravel sediments, while the lower areas such as valley bottoms are filled in with patches of Quaternary and recent alluvium.

Situated within the Upper Sonoran lifezone, the primary vegetation communities represented in the project area include low sagebrush and shadscale. Plant species include sagebrush, shadscale, yucca, prickly pear cactus, and various grasses. The elevation ranges from 6060 to 6120 feet a.s.l.. Numerous drainages occur in or near the project area, including Christiansen Wash, Muddy Creek, and Quitchupah Creek. Modern impacts to the project area include coal development, grazing, roads and isolated occurrences of modern trash dumping.

Cultural Overview

Prehistoric occupation of the region spans the last 10,000-12,000 years. Cultural remains representing the Paleoindian, Archaic, Formative, Late Prehistoric and Historic stages have been identified in the study area region. The earliest known archaeological remains in central Utah are attributable to the Paleoindian stage, which emphasized the exploitation of megafauna and floral resources during the period of transition from the Pleistocene to the Holocene. Based on projectile point typologies and subsistence strategies, the Paleoindian stage is commonly divided into three cultural complexes termed the Llano (ca. 11,500-11,000 B.P.), the Folsom (ca. 11,000-10,000 B.P.) and the Plano (ca. 10,000-7500 B.P.). The Llano complex is represented by Clovis fluted projectile points, a rare find in the area. Mammoths are thought to have been the primary prey of these early big game hunters, in contrast to an apparent preference for bison exhibited by the Folsom peoples. Folsom points, among the more common Paleoindian projectile points that occur throughout the Colorado Plateau, have been found in Emery country, sometimes associated with lithic debitage (Copeland and Fike 1988; Schroedl 1991). Megafauna, represented by mammoth and short-faced bear and dating to 9440 B.P., have also been found north of the project area in upper Huntington Canyon. The remains exhibit evidence of butchering, in the form of cut marks, and are associated with a Paleoindian projectile point (Gillette 1989; Madsen 2000). The Plano complex is characterized by large, lanceolate points and reliance on large game as well as plants. Projectile points found nearby that date to this complex include Lake Mohave points, Lovell Constricted points and a Medicine Lodge point style (Black and Metcalf 1986; Hauck 1977).

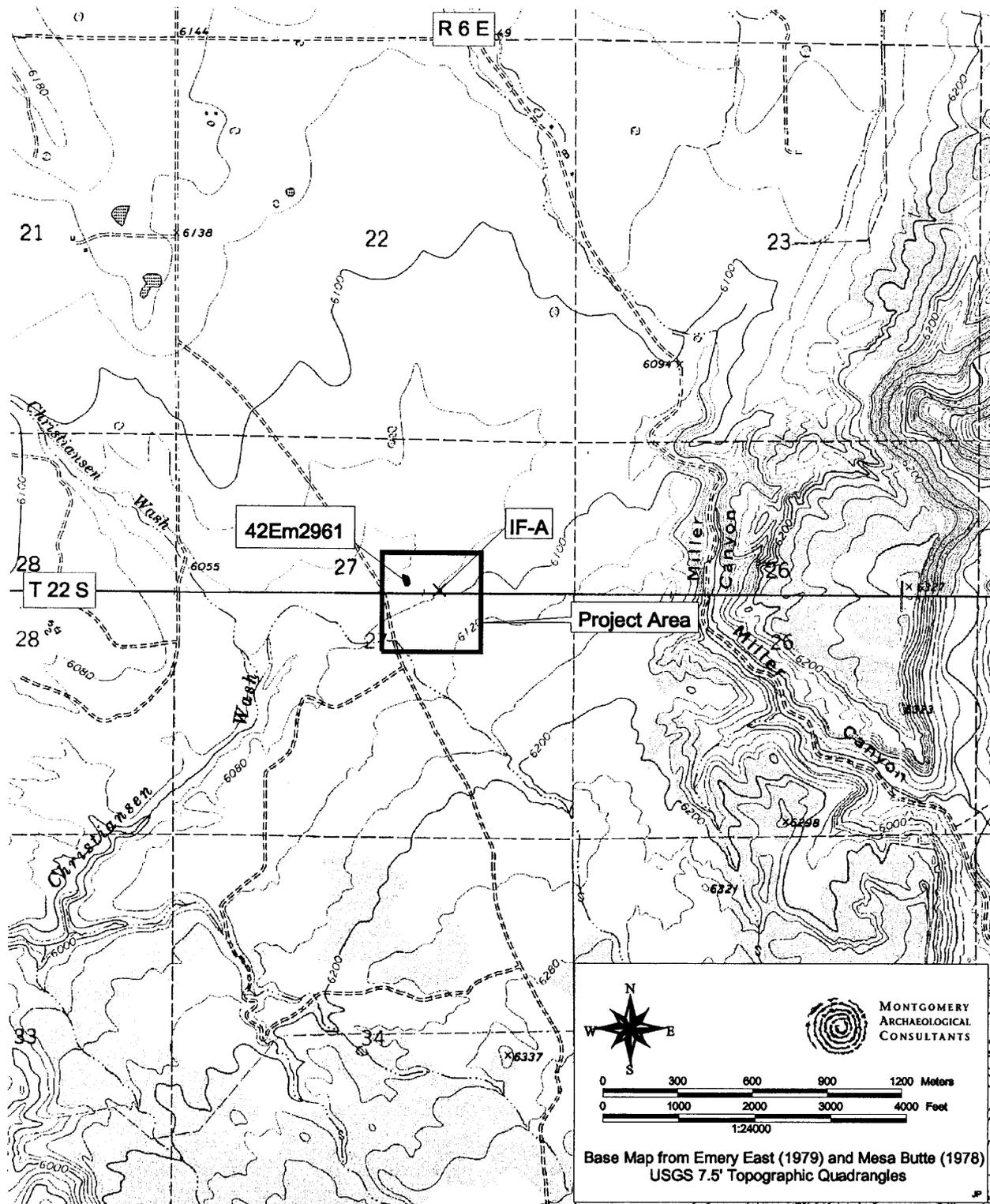


Figure 1. Inventory Area for Consolidation Coal Company's Emery Mine 4th East Portal Location in Emery County. USGS 7.5' Emery East, Utah and Mesa Butte, Utah. Scale 1:24000.

The termination of the Pleistocene enacted major changes in the environment of central Utah. Overall, the climate became warmer and drier, causing expansion of xeric vegetation zones and a retreat of plant communities requiring cool and moist conditions at higher elevations. The Archaic stage (7800 to 500 B.P.) is represented by subsistence patterns more labor-intensive than those practiced by Paleoindians. Large herd animals were less intensively exploited, replaced by a greater emphasis upon smaller, more dispersed fauna, in addition to plant resource processing. Archaic sites tend to cluster in areas which offer good viewsheds, proximity to outcrops of tool quality stone, as well as nearness to major topographic features (Black and Metcalf 1986; Howell 1992). Schroedl (1976) defined four phases for the Archaic stage based on technology, subsistence, and environmental change. The earliest is the Black Knoll phase (ca. 8300-6200 B.P.). Sites dating to this phase are characterized by Pinto projectile points and a contrast in subsistence between high and low elevations in which large artiodactyla are hunted in the uplands, while wild plant gathering is emphasized at lower elevations (Schroedl 1976:61-62). The Castle Valley phase (ca. 6200-4500 B.P.) is characterized by a lower aboriginal population on the Colorado Plateau, possibly attributed to a two-stage Altithermal drought (Black and Metcalf 1986:10). It was during this time period that a variety of projectile point styles were employed, including Rocker, Hawken, and Sudden Side-notched points, as well as Humboldt and McKean points. Slab-lined fire pits and an increasing reliance upon grasses and forbs as foodstuffs are also aspects of this phase (Schroedl 1976:63-64). The Green River phase (ca. 4500-3300 B.P.) is marked by the occurrence of Gypsum and San Rafael Side-notched projectile point types and split-twig figurines (Schroedl 1976). In this phase, hunting (especially for mountain sheep) becomes important and amaranths are a preferred plant resource (Black and Metcalf 1986:11). The Dirty Devil phase (ca. 3000-1500 B.P.) marks the transition into the Formative stage and is characterized by increased sedentism, the introduction of corn and bow and arrow, and Gypsum projectile points (Schroedl 1976).

The Formative stage (A.D. 700-A.D. 1200) is characterized by reliance on domesticated plants (most notably corn), substantial habitation structures often organized into hamlets or villages, production of pottery, and the use of the bow and arrow. The study area is within the occupation zone of the San Rafael Fremont variant, as defined by Marwitt (1970). Sites in this area are characterized as small isolated hamlets or single dwelling units, usually found on small ridges overlooking perennial water sources and arable land (Schroedl and Hogan 1975). Three San Rafael Fremont phases have been proposed for the study area based on chronology, settlement patterns, subsistence strategies, and material culture (Black and Metcalf 1986; Greubel 1996). The earliest phase has been termed by Black and Metcalf (1986) the "Proto-Formative" phase (A.D. 150 to 700), a transition stage from an Archaic to a Formative lifeway in which groups became more sedentary. During this phase corn horticulture increased in importance, although hunting and gathering continued to play a major role in the subsistence strategy. Common artifacts of this phase include Rose Springs Series arrow points and Emery Gray Ware (introduced between A.D. 650 and 700). More recently, investigations along Muddy Creek have better defined the earliest manifestations of the Fremont culture, termed as the Confluence Phase (Greubel 1996). The Confluence Phase is proposed to encompass preceramic, semi-sedentary, horticultural adaptations in the San Rafael Fremont area, beginning around A.D. 200 (Ibid: 516). Important aspects of this phase include the presence of a well-developed pattern of semi-sedentism, pithouse architecture, maize horticulture, large bell-shaped storage pits, use of the bow and arrow, and the presence of community or special function structures. During this preceramic Formative period, settlements occurred along the floodplain terraces above perennial streams. Recent excavations at the Confluence site (42Em1887), situated near the confluence of Muddy Creek and Ivie Creek, revealed five shallow pithouses and a variety of extramural features including bell-shaped pits and firehearths. Data from this site indicated that it is a horticulture-based community with the subsistence strategy based on the growing of maize dating from A.D. 540 to 630 (Ibid:348).

The Muddy Creek phase is marked by increased sedentism and greater reliance upon horticulture. In Castle Valley, the settlement strategy during this time is marked by small isolated hamlets or single dwelling units, usually found on small ridges overlooking perennial water sources and arable land. In the study area, the cultural material remains are dominated by Emery Gray Ware, some decorated by applique and incisions, and Rose Springs Series and Uinta Side-notched arrow points (Holmer and Weder 1980). The Bull Creek phase (A.D. 1000 to 1200) is distinguished by larger habitations composed of pit houses and surface masonry structures usually used for storage of cultigens. Diagnostic artifacts of this phase include Bull Creek and Nawthis Side-notched projectile points, decorated Fremont ceramics including Ivie Creek Black-on-white, and higher frequencies of Anasazi trade wares. Black and Metcalf (1986:157) suggest that Fremont populations aggregated during this phase most likely in response to the salubrious climatic conditions (post-A.D. 950). These favorable climatic conditions may have also enhanced the productivity of maize fields as evidenced by the increase of storage facilities in the area. Also during late Fremont times a linear settlement pattern is exhibited in areas where sites are clustered along drainage systems, such as Miller Creek. Sometime following A.D. 1200, the Fremont appear to have abandoned east-central Utah, attributed to both environmental and subsistence-related reasons (Lindsay 1986).

Following the Fremont abandonment of the area, a largely nomadic hunting and gathering lifeway resumed. This occupation is attributed to the Numic-speaking peoples, a diverse group that was present throughout much of Utah upon the arrival of Europeans in the 18th century. Historic records indicate that the Ute were the primary occupants of eastern Utah and western Colorado since the late eighteenth century. Numic expansion in the archaeological records appears at approximately A.D. 1100 based on the distribution of chronometric dates associated with brown ware sherds (Reed 1994:188). The archaeological evidence of the Numic-speaking peoples consists primarily of lithic scatters, low density ceramic scatters, and the occasional wickiup. Most of the artifact scatters are in open settings, although a small number are in rockshelters. Diagnostic artifacts include Desert Side-notched, tri-notched, and Cottonwood Triangular projectile points, a fairly crude micaceous tempered pottery and distinctive rock art (Jennings 1978). On the Colorado Plateau eighteenth and nineteenth century Ute sites may also contain varying quantities of Euroamerican artifacts, such as sheet metal cone tinklers, tin cans, weaponry, and equestrian tack (Horn 1988).

The earliest recorded visit by Europeans to Utah was the Dominguez-Escalante expedition, which moved through the areas north and west of Castle Valley in 1776-1777. Throughout the first half of the nineteenth century, explorers, surveyors and trappers moved in small parties through the valley, up and down the Old Spanish Trail. The main branch of the Spanish Trail veered northwest from Green River and wound through the San Rafael Swell via Cottonwood Creek and Buckhorn Flat, emerging into Castle Valley near the Red Seeps east of Castle Dale. Beginning in the 1870's, ranchers began to herd cattle in the area, using the higher mesas for summer grazing and the valley lowlands during the winter (Geary 1996). By the census of 1895, Emery County boasted 4,390 residents. Early engineers and surveyors noted the presence of coal deposits in Castle Valley. The agricultural and mining potential of the area boomed as Augustus Ferron's township survey in the area spawned an inpouring of people ready to extract and exploit the valley's natural resources (Geary 1996). While agriculture and ranching remain viable economic pursuits in Castle Valley today, the mining boom of the late 19th century and early 20th century ended just after WW I, with a slight increase in mining activities again just prior to WWII.

SURVEY METHODOLOGY

An intensive pedestrian survey was performed for this project which is considered 100% coverage. A 40-acre parcel was surveyed by the archaeologists walking parallel transects spaced no more than 10 meters (30 ft) apart. The project area occurs on private land. Ground visibility was considered good.

Cultural resources were recorded as either archaeological sites or isolated finds of artifacts. Archaeological sites were defined as spatially definable areas with features and/or ten or more artifacts. Sites were documented by the archaeologists walking across the site marking the locations of cultural materials with pinflags. This procedure allowed clear definition of site boundaries and artifact concentrations. Site maps were made using tape and compass, with artifact and feature proveniences being recorded accordingly. Archaeological sites were plotted on a 7.5' USGS quadrangle, photographed, with site data entered on an Intermountain Antiquities Computer System (IMACS, 1990 version) inventory form (Appendix A). Isolated finds are defined as individual artifacts or light scatter of items, which lack sufficient material culture to warrant IMACS forms, or to derive interpretation of human behavior in a cultural and temporal context. All isolated artifacts were plotted on a 7.5' USGS map and described in this report.

INVENTORY RESULTS

The inventory of the Consolidation Coal Company's Emery Mine 4th East Portal resulted in the documentation of one new archaeological site (42Em2961) and one isolated find of artifact (IF-A).

Archaeological Sites

Smithsonian Site No.: 42Em2961
Temporary Site No.: MOAC 03-49-1
Eligibility: Eligible

Description: This lithic scatter of unknown temporal affiliation lies on a gentle slope in a broad valley bounded by the Coal Cliffs to the east and Quitchupah Creek to the west. Sediments at the site are categorized as a silty sand and black carbonaceous sediment mixture. Vegetation includes low sagebrush, shadscale, yucca, prickly pear cactus, and grasses. The artifact assemblage is comprised of lithic debitage (n=102), chipped stone tools (n=3), and groundstone tools (n=2). Debitage is manufactured from a variety of chert, and all stages of reduction are represented. Tools include a light brown-beige mottled opaque chert utilized flake (Tool 1), one yellow-tan opaque chert test core (Tool 2), red sandstone groundstone (metate) fragments (Tools 3 and 4), and a brown chert Stage 4/5 biface fragment (Tool 5). No cultural features were found.

Isolated Finds of Artifact

Isolated Find A (IF-A) is located in the NE/SW/NE of Section 27, T 22S, R 6E; UTM 480075E/4302737N. It is a brown sandstone slab metate exhibiting unifacial heavy grinding in the center of the slab and toward a lateral margin (30% of total surface). It measures 32 x 32 x 6 cm.

NATIONAL REGISTER OF HISTORIC PLACES EVALUATION

The National Register Criteria for Evaluation of Significance and procedures for nominating cultural resources to the National Register of Historic Places (NRHP) are outlined in 36 CFR 60.4 as follows:

The quality of significance in American history, architecture, archaeology, and culture is present in districts, sites, buildings, structures, and objects of State and local importance that possess integrity of location, design, setting, material, workmanship, feeling, and association, and that they:

- a)...are associated with events that have made a significant contribution to the broad patterns of our history; or
- b)...are associated with the lives of persons significant to our past; or
- c)...embody the distinctive characteristics of a type, period, or method of construction; or that represents the work of a master, or that possess high artistic values, or that represent a significant and distinguishable entity whose components may lack individual distinction; or
- d)...have yielded or may be likely to yield information important in prehistory or history.

The inventory of the proposed Consolidation Coal Company Emery Mine 4th East Portal resulted in the documentation of one archaeological site (42Em2961) and one isolated find of artifact (IF-A). Site 42Em2961 is a lithic scatter of unknown temporal affiliation that is recommended eligible for inclusion to the National Register of Historic Places (NRHP) under Criterion D. Additional investigations at this site could address such research domains as chronology, technology, and subsistence strategy.

MANAGEMENT RECOMMENDATIONS

The inventory of the Consolidation Coal Company's Emery Mine 4th East Portal resulted in the documentation of one archaeological site, 42Em2961, that is evaluated as eligible to the NRHP. MOAC, working in conjunction with Consolidation Coal Company, erected a fence along the site boundary to ensure avoidance during the proposed project.

Based on these findings, and action taken to avoid site 42Em2961, a determination of "No Historic Properties Affected" is proposed for this undertaking pursuant to Section 106, CFR 800.

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APPENDIX A:
INTERMOUNTAIN ANTIQUITIES SITE FORM
42Em2961

2. Proposed Preparation Facilities

Fugitive dust emission controls for the preparation facilities are summarized on page 6. The control measures to be used are given in the Chapter II response to UMC 784.12 in which the existing and proposed structures are described.

All estimates of uncontrolled and controlled emissions, background air quality estimates and compliance with the National Ambient Air Quality Standards for the proposed preparation facilities are contained in a report by Environmental Research and Technology, Inc. (ERT) titled Air Quality Impacts of a Coal Preparation Facility in Emery County, Utah which is found in Appendix X.C-1. Although the report was prepared in 1981 and market constraints have delayed construction of the preparation plant, emissions from this facility should not exceed the emission rates predicted by the report. The rates below demonstrate compliance with the Secondary NAAQS for total suspended particulates (TSP) at the preparation plant.

| <u>Averaging</u> <u>Time</u> | <u>Emissions Concentrations (Microgram/m³)</u> | | | |
|---------------------------------|---|-------------------|--------------|--------------|
| | <u>Consol</u> | <u>Background</u> | <u>Total</u> | <u>NAAQS</u> |
| Annual | 16 | 38 | 54 | 60 |
| 24-Hour | 63 | 76 | 139 | 150 |

These rates should be viewed as conservative estimates since the projected production rate of the underground mine is significantly lower than the 2.6 M TPY maximum rate used by ERT in the study. Also, conservative assumptions were employed in the dispersion modeling analysis.

UMC 817.95 **Air Resources Protection**

1. Existing Mine and Surface Facilities

Fugitive dust emissions from coal handling and loading are controlled by spraying the coal with water as it is mined at the face and at all transfer points in the underground conveyor system. When the coal exits the mine and enters the tippie, a silt fence was constructed downwind of the coal handling facility. With prevailing westerly winds gusting to 50 mph and severe space limitations in the canyon, the silt fence is the most practical method of controlling dust movement. The fence is approximately 60 feet in length, 15 feet high, and constructed of a porous material. When escaping coal fines accumulate to a depth of 2 inches, the area will be cleaned. Location of the silt fence is provided on Plate II-2, attached to Chapter II.

Road traffic dust is controlled by regularly spraying the unpaved areas with water (in the summer at least three times each day, and in the winter about two times each week).

1a. 4th East Portal Site

Fugitive dust emission at the 4th East Portal will consist primarily from the coal handling and stockpiling of coal. The coal stockpile will be sprayed with water as it is discharged into the pile. In addition the stockpile will be protected to some degree by the rock stockpile located to along the west side of the boxcut. This rock stockpile will function as a wind break from the prevailing westerly winds. The rock stockpile consists primarily of cobble to boulder size sandstone.

The road to the coal loadout will be watered periodically throughout the day. Topsoil stockpile will be roughened, seeded and mulched to prevent wind and water erosion. Berms shall remain roughened and seeded. Rock or wood mulch as well as erosion control netting may be utilized as situation warrants to minimize effects of erosion.

On January 9, 2003, Notice of Violation was written for wind blown coal fines outside the permit area. To abate the violation the following Air Resource Protection shall be implemented to eliminate the generation of coal fines and provide measures to protect the surrounding environment from accumulation of coal fines should they occur.

Elimination or Reduction of Coal Fines:

- In late March of 2003 a sizing screen and by-pass chute was installed to ensure fine coal particles would by-pass the crushing stage. Prior to this, all coal was fed through the crushing process regardless of size. The fine coal just became finer and more of it.
- Mine management is actively working out details to install an extendable discharge chute for the radial stacker. This should drastically lower the fugitive dust generated from the previous free falling coal discharged off the end of the radial stacker.
- Water lines and sprays are being installed at all belt transfer points.
- Coal processing through the screen & crusher will be totally enclosed.
- Mine has modified the coal loadout facility to improve operating rates. This shall reduce the usage of front end loader to load trucks and the ground dust generated from this activity..

Protection of Surrounding Environment:

- ◆ Permitting of additional acreage for surface disturbance. The April 2003 application for amendment addresses the addition of 1.45 acres for the strip of disturbed land located adjacent to the east perimeter fence and County Road #915 west side right-of-way.

Inserted 4/2003

- ◆ Additional acreage extension is being worked on for lands lying east of the county road. Preliminary work is currently ongoing to obtain the required background data for permitting up to an additional 20 acres. Archaeology has been completed with one significant site found. Copy of the report is included in Chapter IX, Appendice 5-7. Vegetation and soil inventories are scheduled to occur in late May to early June of 2003 to account for T&E species which flower during this time period.
- ◆ Construction of a silt fence immediately downwind from the prevailing westerly winds of the coal loadout facility. The silt fence shall be approximately 20 feet in height and approximately 200 feet in length and will be intergrated as part of the east perimeter fence.
- ◆ Straw bale and traditional silt fencing shall be used where surface runoff may pick up coal fines. These alternate sediment control structures will assist in capturing and trapping coal fines which may be transported with surface runoff.
- ◆ Mine management is contacting suppliers of dust control supressants for evaluation of foam & spray amendmets to control dust.

2. Proposed Preparation Facilities

Permit performance standards for fugitive dust emission will be met by employing the following controls:

| <u>Item</u> | <u>Summary of Controls</u> | <u>Control</u> |
|--|--|----------------|
| Conveyor Belts Transfer Points | Fully hooded Totally enclosed with water sprays at head pulley | |
| Storage Piles | Stacking tube with water sprays at loading transfer point | |
| Soil and Subsoil Stockpiles Unpaved Roads | Revegetation Water spraying | |

3. Operation of Control Equipment

All emission control equipment shall be properly installed, maintained, and operated so that visible emissions from the facility shall not exceed opacity limits established by the Utah Division of Environmental Health and applicable requirements of the Clean Air Act.

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