

May 2, 2018

Permit Supervisor, Utah Regulatory Program
Utah Division of Oil, Gas and Mining
1594 West North Temple, Suite 1210
PO Box 145801
Salt Lake City, UT 84114-5801

Re: Revisions to General Chapter 1 to Update Ownership and Violation History, Task ID#5668
Canyon Fuel Company, LLC, Sufco Mine, C/041/002

Dear Sirs:

Enclosed with this letter are clean copies of the text, Figures 1-1 & 1-1B, Table 1-2 and Appendix 1-1. These contain updated information pertaining to ownership changes and the addition of violation history.

The information in Appendix 1-1 has been revised to exclude the ownership/control information for Cedars Energy because it now owns less than 10% of the company. Table of contents items and pagination have been corrected to reflect the final approved chapter information.

If you have questions or need additional information please contact Vicky Miller at (435)286-4481.

Sincerely,

Vicky L Miller
for

John D. Byars
General Manager
Sufco Coal Mine

Encl.

Cc: DOGM Correspondence File

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APPLICATION FOR COAL PERMIT PROCESSING

Permit Change X New Permit Renewal Exploration Bond Release Transfer

Permittee: Canyon Fuel Company, LLC

Mine: Sufco Mine

Permit Number: C/041/002

Title: Clean Copies Revision to General Chapter 1 to Update Ownership and Violation Information, Task ID#5668

Description, Include reason for application and timing required to implement:

Instructions: If you answer yes to any of the first eight (gray) questions, this application may require Public Notice publication.

- Yes X No 1. Change in the size of the Permit Area? Acres: _____ Disturbed Area: _____ increase decrease.
- Yes X No 2. Is the application submitted as a result of a Division Order? DO# _____
- Yes X No 3. Does the application include operations outside a previously identified Cumulative Hydrologic Impact Area?
- Yes X No 4. Does the application include operations in hydrologic basins other than as currently approved?
- Yes X No 5. Does the application result from cancellation, reduction or increase of insurance or reclamation bond?
- Yes X No 6. Does the application require or include public notice publication?
- X Yes No 7. Does the application require or include ownership, control, right-of-entry, or compliance information?
- Yes X No 8. Is proposed activity within 100 feet of a public road or cemetery or 300 feet of an occupied dwelling?
- Yes X No 9. Is the application submitted as a result of a Violation? NOV # _____
- Yes X No 10. Is the application submitted as a result of other laws or regulations or policies?
Explain: _____
- Yes X No 11. Does the application affect the surface landowner or change the post mining land use?
- Yes X No 12. Does the application require or include underground design or mine sequence and timing? (Modification of R2P2)
- Yes X No 13. Does the application require or include collection and reporting of any baseline information?
- Yes X No 14. Could the application have any effect on wildlife or vegetation outside the current disturbed area?
- Yes X No 15. Does the application require or include soil removal, storage or placement?
- Yes X No 16. Does the application require or include vegetation monitoring, removal or revegetation activities?
- Yes X No 17. Does the application require or include construction, modification, or removal of surface facilities?
- Yes X No 18. Does the application require or include water monitoring, sediment or drainage control measures?
- Yes X No 19. Does the application require or include certified designs, maps or calculation?
- Yes X No 20. Does the application require or include subsidence control or monitoring?
- Yes X No 21. Have reclamation costs for bonding been provided?
- Yes X No 22. Does the application involve a perennial stream, a stream buffer zone or discharges to a stream?
- Yes X No 23. Does the application affect permits issued by other agencies or permits issued to other entities?

Please attach one (1) review copy of the application.

I hereby certify that I am a responsible official of the applicant and that the information contained in this application is true and correct to the best of my information and belief in all respects with the laws of Utah in reference to commitments, undertakings, and obligations, herein.

John D. Byars
Print Name

J.D. Byars, Gen Mgr, 5-2-18
Sign Name, Position, Date

Subscribed and sworn to before me this 2 day of May, 2018

Jacquelyn Nebeker
Notary Public

My commission Expires: _____, 20____ }
Attest: State of _____ } ss:
County of _____



For Office Use Only:

Assigned Tracking
Number:

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GENERAL CHAPTER ONE

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CHAPTER 1

LEGAL, FINANCIAL, COMPLIANCE AND RELATED INFORMATION

110 MINIMUM REQUIREMENTS FOR LEGAL, FINANCIAL, COMPLIANCE AND RELATED INFORMATION

111 Introduction

The Dugout Canyon Mine, Banning Loadout, Sufco Mine, Gordon Creek Mines, Skyline Mine and Soldier Canyon Mine permits are presently held by Canyon Fuel Company, LLC, a Delaware limited liability company ("CFC"). Pursuant to that certain Unit Purchase Agreement dated June 27, 2013, by and between Arch Coal, Inc., a Delaware Corporation (Arch") and Bowie Resources, LLC a Delaware limited liability company (Bowie"), as assigned by Bowie to Bowie Resource Holdings, LLC, a Delaware limited liability company ("BRH"). BRH purchased 100% of the equity interests of CFC from Arch on August 16, 2013. Soldier Creek Coal Company became Soldier Canyon Mine through the merge and subsequent sale of Coastal Coal, Inc. on or about December 20, 1996.

Through a sales agreement dated December 12, 2014 with PacifiCorp, an Oregon Corporation, Bowie Resource Partners through it's subsidiaries, purchased the Trail Mountain Mine and Waste Rock Storage Facility on June 5, 2015. In the future the Trail Mountain Mine will be referred to as the "Fossil Rock Mine". The Fossil Rock Mine is owned by Fossil Rock Resources, LLC, a Delaware limited liability company, which is wholly owned by Canyon Fuel Company, LLC.

Fossil Rock Resources, LLC is a Limited Liability Company organized under the laws of Delaware on August 29, 2014 and is owned 100% by Canyon Fuel Company, LLC. Canyon Fuel Company LLC a Limited Liability Company organized under the laws of Delaware on December 10, 1996 which in turn is owned 100% by Bowie Holdings, LLC a Delaware Limited Liability Company.

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In this chapter information pertaining to the Dugout Canyon Mine, **Banning Loadout, Sufco Mine, Gordon Creek Mines, Skyline Mine, Soldier Canyon Mine** and Fossil Rock Mine required by R645-301-100 and provides the information required by R645-301-112 and R645-301-113 in a format prescribed by OSM.

Where possible the Mining and Reclamation Plans have been updated to reflect the legal and financial information associated with Canyon Fuel Company, LLC (CFC). Other portions of the Mining and Reclamation Plans remain unmodified. Any charts, maps, drawings, diagrams, exhibits, tables, and so forth in the unmodified portions of the Mining and Reclamation Plan bearing the name(s) Coastal States Energy Company, and/or Soldier Creek Coal Company, PacifiCorp, Arco, or Arch Minerals, etc. should be read with the name Canyon Fuel Company, LLC substituting for any and all of these other entities, which have been merged into Canyon Fuel Company.

Dugout Canyon Mine has several stand alone permits such as the Degassification Wells, Refuse Pile and Leachfield. When reference is made to the Dugout Canyon Mine M&RP, the reference also includes the stand alone permit documents. Fossil Rock Mine has a stand alone permit for the Waste Rock Storage Facility, the reference to the Fossil Rock Mine M&RP will include the Waste Rock Storage Facility permit.

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112 Identification of Interests

112.100 Business Entity

Canyon Fuel Company, LLC is a Limited Liability Company organized under the laws of Delaware on December 10, 1996 and now owned 100% by BRH. BRH is in turn owned 100% by Bowie Resource Partners, LLC, a Delaware Limited Liability Company ("BRP"). Bowie Resource Partners is owned by Bowie Holdings, LLC.

112.200 Applicant and Operator

APPLICANT : Operations, Administration, Permit Revisions, and Amendments

Canyon Fuel Company, LLC
225 North 5th Street, 9th Floor
Grand Junction, CO 81501
Telephone: (970) 263-5130
EMPLOYER ID: 87-0567183

OPERATOR: Canyon Fuel Company, LLC
225 North 5th Street, 9th Floor
Grand Junction, CO 81501

RESIDENT AGENT: Corporation Service Company
919 North 1000 West
Logan, UT 84321

CONTACT PERSON:
Eugene E. DiClaudio
Canyon Fuel Company, LLC

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Canyon Fuel Company, LLC
SCM, Dugout, Banning, Sufco, Skyline, Gordon Creek, Fossil Rock

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225 North 5th Street, 9th Floor
Grand Junction, CO 81501
Telephone: (970) 263-5130

PERSON WHO WILL PAY ABANDONED MINE RECLAMATION FEES:

Eugene E. DiClaudio
Canyon Fuel Company, LLC
225 North 5th Street, 9th Floor
Grand Junction, CO 81501
Telephone: (970) 263-5130

112.300 Officers of the Applicant

This section identifies who own the applicant and operator Canyon Fuel Company, LLC. Refer to Appendix 1-1 for addresses, phone numbers, employer identification numbers (US Companies) and Figures 1-1 and 1-1B for the organizational chart. Several of the Galena companies and Trafigura companies were not assigned employer identification number (EIN) because the entities have no need to be recognized by the United States of America for the purpose of tax administration.

ADDRESS:

Bowie Holdings, LLC (BH)
6100 Dutchmans Lane, 9th Floor
Louisville, KY 40205
(502) 584-6022

EMPLOYER IDENTIFICATION: 35-2608303

ADDRESS:

Bowie Resource Partners, LLC
6100 Dutchmans Lane, 9th Floor

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Canyon Fuel Company, LLC
SCM, Dugout, Banning, Sufco, Skyline, Gordon Creek, Fossil Rock

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Louisville, KY 40205

(502) 584-6022

EMPLOYER IDENTIFICATION: 61-1717862

ADDRESS:

Bowie Resource Holdings, LLC

6100 Dutchmans Lane, 9th Floor

Louisville, KY 40205

(502) 584-6022

EMPLOYER IDENTIFICATION: 46-3211240

The list of officers and/or directors is located in Appendix 1-1. Information for Bowie, Galena, Trafigura and and companies who own Canyon Fuel Company is located in Appendix 1-1. The addresses for the officers, directors, representatives to the management board listed are the same as those of the respective business entities as listed above, for which the individuals are officers, directors or representatives. Social Security numbers for the officers and directors are no longer required to be disclosed according to Bonnie Edens of the Office of Surface Mining (e-mail from Bonnie Edens, January 10, 2003, 6:25am).

112.400 Coal Mining and Reclamation Operation Owned or Controlled

Reference the Mining and Reclamation Plans for the Dugout Canyon Mine, Soldier Canyon Mine, Gordon Creek Mines, Sufco Mine, Skyline Mine, Fossil Rock Mine and Banning Loadout operations for a listing of the permits associated with each operation. Operations held by subsidiary companies of BRP and corporate structure are presented on Figure 1-1. Facility names, mailing addresses and permit numbers for these operations are provided in either Table 1-1 and/or Table 1-2(updated once year on or around June 30th).

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112.500 Legal or Equitable Owner of the Surface and Mineral Properties

Reference the Mining and Reclamation Plans for the Dugout Canyon Mine, Soldier Canyon Mine, Sufco Mine, Gordon Creek Mines, Skyline Mine, Fossil Rock Mine and Banning Loadout operations for a listing of the legal or equitable owner of the surface and mineral properties associated with each operation.

112.600 Owners of Record of Property Contiguous to Proposed Permit Area

Reference the Mining and Reclamation Plans for the Dugout Canyon Mine, Soldier Canyon Mine, Sufco Mine, Gordon Creek Mines, Skyline Mine, Fossil Rock Mine and Banning Loadout operations for a listing of the owners of record of property contiguous to the permit area associated with each operation.

112.700 MSHA Numbers

Reference the Mining and Reclamation Plans for the Dugout Canyon Mine, Soldier Canyon Mine, Sufco Mine, Gordon Creek Mines, Skyline Mine, Fossil Rock Mine and Banning Loadout operations for MSHA numbers assigned to each operation.

112.800 Interest in Contiguous Lands

Reference the Mining and Reclamation Plans for the Dugout Canyon Mine, Soldier Canyon Mine, Sufco Mine, Gordon Creek Mines, Skyline Mine, Fossil Rock Mine and Banning Loadout operations for their interest in contiguous lands.

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112.900 Certification of Submitted Information

Canyon Fuel Company, LLC hereby attests that the information contained in this permit document is true and correct to the best of their knowledge.

113 Violation Information

Neither Canyon Fuel Company, LLC nor any major stockholder of the company having any interest, either legal or equitable, in Canyon Fuel Company, LLC have had a State or Federal mining permit suspended or revoked or a security deposited in lieu of a bond revoked. Neither Canyon Fuel Company, LLC, any of its mining operations, nor any person who owns or controls Canyon Fuel Company has any unabated cessation orders or unabated air or water quality violation notices.

Past violations for the Canyon Fuel Company, LLC operations, including the Sufco Mine, C/041/002; Skyline Mine, C/007/005; Soldier Canyon Mine, C/007/018; Banning Loadout, C/007/034, Gordon Creek Mines, C/007/016, Fossil Rock Mine, C/015/009 and Dugout Canyon Mine, C/007/039 are set forth in Table 1-2, which is updated once year on or around June 30th.

114 Right-of-Entry Information

Reference the Mining and Reclamation Plans for the Dugout Canyon Mine, Soldier Canyon Mine, Sufco Mine, Gordon Creek Mines, Skyline Mine, Fossil Rock Mine and Banning Loadout operations for specific right-of-entry information.

115 Status of Unsuitability Claims

To the best knowledge of Canyon Fuel Company, LLC, no portion of the area to be permitted is designated, or under study for being designated, unsuitable for mining.

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Reference the Mining and Reclamation Plans for the Dugout Canyon Mine, Soldier Canyon Mine, Sufco Mine, Gordon Creek Mines, Skyline Mine, Fossil Rock Mine and Banning Loadout operations for site specific information.

116 Permit Term

Reference the Mining and Reclamation Plans for the Dugout Canyon Mine, Soldier Canyon Mine, Sufco Mine, Gordon Creek Mines, Skyline Mine, Fossil Rock Mine and Banning Loadout operations for site specific information.

117 Insurance, Proof of Publication, and Facilities and Structures Used in Common

Per R645-301-117.100. " A permit application will contain either a certificate of liability insurance or evidence of self-insurance in compliance with R645-301-800". Certificates of liability insurance or evidence of self-insurance for the permit application for the Canyon Fuel Company, LLC operations were part of their individual original permit applications. A copy of current certificates of insurance are filed with the Division of Oil, Gas and Mining at the time of insurance renewal and a copy can be provided for review at the Canyon Fuel Company, LLC operations.

Reference the Mining and Reclamation Plans for the Dugout Canyon Mine, Soldier Canyon Mine, Sufco Mine, Gordon Creek Mines, Skyline Mine, Fossil Rock Mine and Banning Loadout operations for additional site specific information or information prior to November 2004.

118 Filing Fee

Reference the Mining and Reclamation Plans for the Dugout Canyon Mine, Soldier Canyon Mine, Sufco Mine, Gordon Creek Mines, Skyline Mine, Fossil Rock Mine and Banning Loadout operations for site specific information.

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120 PERMIT APPLICATION FORMAT AND CONTENTS

Reference the Mining and Reclamation Plans for the Dugout Canyon Mine, Soldier Canyon Mine, Sufco Mine, Gordon Creek Mines, Skyline Mine, Fossil Rock Mine and Banning Loadout operations for site specific information

130 REPORTING OF TECHNICAL DATA

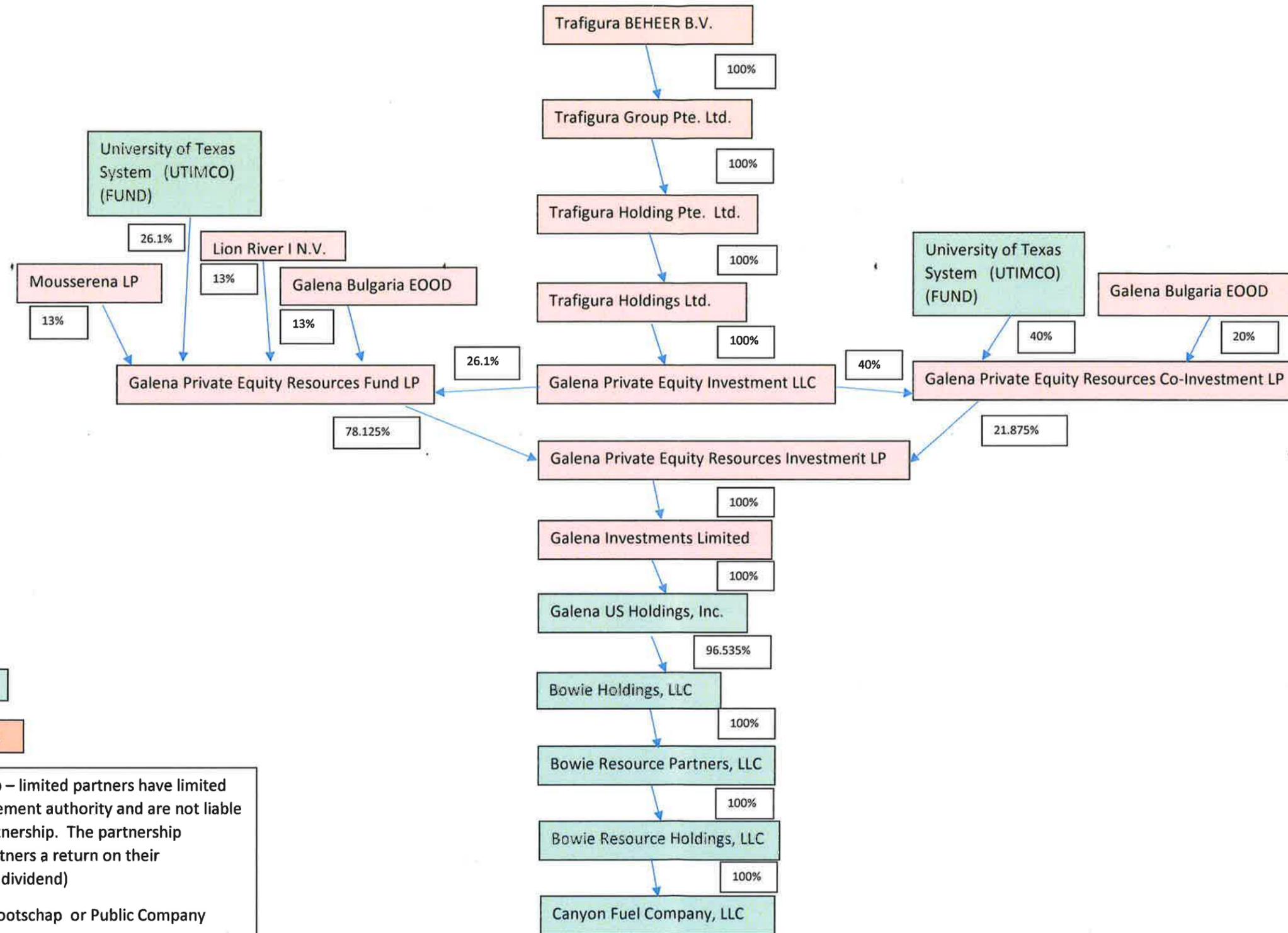
Technical data submitted in the permit applications will be accompanied by the name or organization responsible for the collection and analysis of data, dates of collection and descriptions of methodology used. Technical analyses will be planned by or under the direction of a qualified professional in the subject to be analyzed.

140 MAPS AND PLANS

Reference the Mining and Reclamation Plans for the Dugout Canyon Mine, Soldier Canyon Mine, Sufco Mine, Gordon Creek Mines, Skyline Mine, Fossil Rock Mine and Banning Loadout operations for site specific information.

150 COMPLETENESS

CFC believes the information in the permit application for its operations to be complete and correct. Reference the Mining and Reclamation Plans for the Dugout Canyon Mine, Soldier Canyon Mine, Sufco Mine, Gordon Creek Mines, Skyline Mine, Fossil Rock Mine and Banning Loadout operations for additional site specific information.



LEGEND

Registered Inside USA

Registered Outside USA

LP – Limited Partnership – limited partners have limited liability, with no management authority and are not liable for the debts of the partnership. The partnership provides the limited partners a return on their investment (similar to a dividend)

N.V. – Naamloze Vennootschap or Public Company

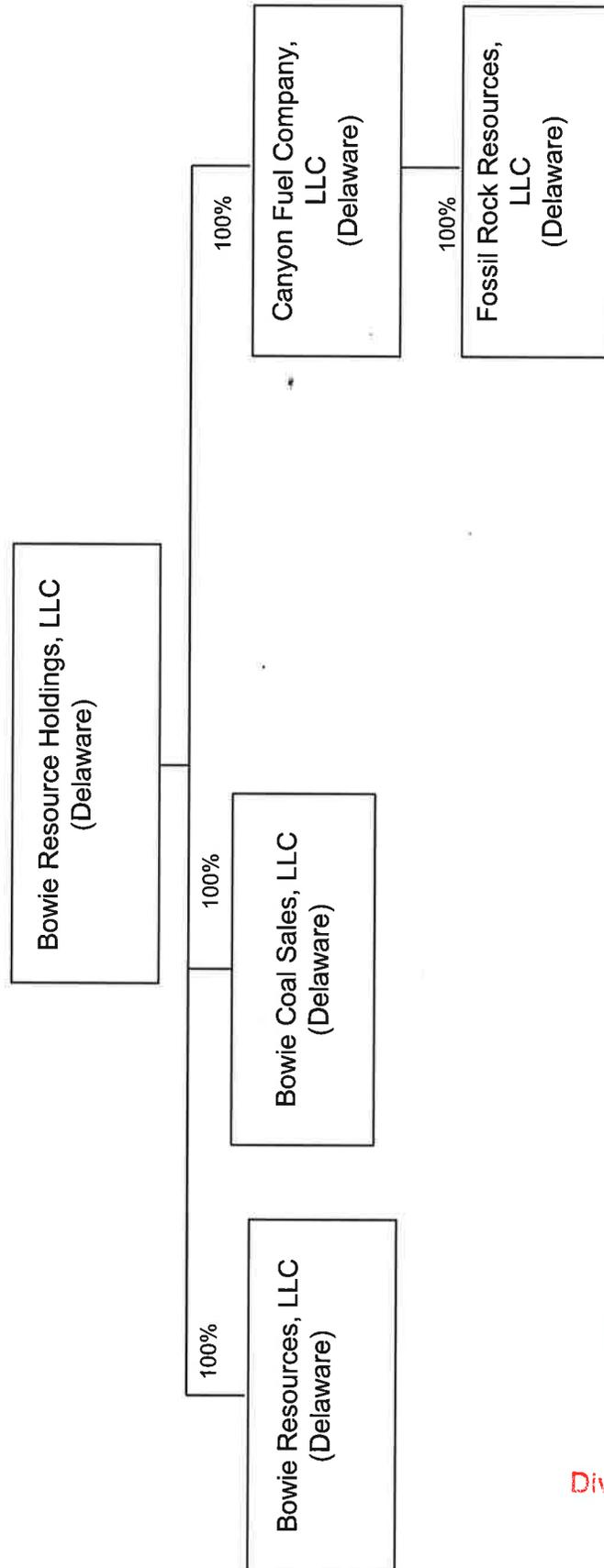
EOOD – Single Member Limited Liability Company

B.V. – Besloten Vennootschap or Private Company

Figure 1-1 ORGANIZATIONAL CHART – April 2018

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**Figure 1-1B ORGANIZATIONAL CHART OF BOWIE RESOURCE HOLDINGS, LLC
AS OF APRIL 2018**



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**TABLE 1-2
 THREE YEAR VIOLATION HISTORY OF MINING AND RECLAMATION OPERATIONS**

| | Permit Number | Date | Violation Description |
|---|----------------|------------|--|
| Fossil Rock Mine 225 North 5 th Street Grand Junction, CO 81501 | C/015/0009 | 04/14/2016 | NOV# 21173 Not properly maintained diversions at waste rock site as designed in M&RP. Vacated May 22, 2017 |
| Skyline Mine HCR 35, Box 380 Helper, UT 84526 | C/007/0005 | 05/27/2016 | NOV #21182 Failure to prevent additional contribution of suspended solids outside of permit area on May 18, 2016. Terminated June 13, 2016 |
| James J Wolff, BRP/CFO | By association | 11/10/2015 | State Civil Penalty(253716 Bowie Refined Coal, LLC) Resolved January 12, 2018 and April 2018 |

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APPENDIX 1-1

Organizational Ownership, Officers and Directors

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GENERAL CHAPTER 1
APPENDIX 1-1

TRAFIGURA COMPANIES

APRIL 2018

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COMPANY/BUSINESS NAME, ADDRESS AND TELEPHONE NUMBER

| |
|-----------------------------------|
| TRAFIGURA BEHEER B.V. |
| GUSTAV MAHLERPLEIN 102 |
| ITO TOWER, 20 TH FLOOR |
| AMSTERDAM, 1082 MA |
| NETHERLANDS |
| 31 20 504 1852 |

EIN: EMPLOYER IDENTIFICATION NUMBER

| |
|----|
| NA |
|----|

| OFFICERS NAME(S) | POSITION | DATE APPOINTED |
|---------------------------|----------|----------------|
| JEREMY CHARLES WEIR | CEO | March 2014 |
| MICHAEL STUART WAINWRIGHT | COO | January 2008 |
| CHRISTOPHE SALMON | CFO | October 2015 |

| DIRECTOR NAME(S) | POSITION | DATE APPOINTED |
|---------------------------|----------|----------------|
| CHRISTOPHER COX | Director | October 2013 |
| MARK JOSEPH IRWIN | Director | 2004 |
| JOSE MARIA LAROCCA | Director | March 2007 |
| SIPKO NANNE SCHAT | Director | January 2016 |
| ANDREW VICKERMAN | Director | October 2010 |
| MICHAEL STUART WAINWRIGHT | Director | January 2008 |
| JEREMY CHARLES WEIR | Director | March 2014 |
| MARIANO MARCONDES FERRAZ | Director | December 2015 |

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INDIVIDUAL(S), CORPORATION(S) OR COMPANY(S) OWNING 10% OR MORE OF ENTITY % OWNED

| | |
|---|--|
| OWNED BY APPROXIMATELY 600 SHAREHOLDER MADE UP OF MANAGEMENT AND ACTIVE EMPLOYEES WITH NONE OWNING MORE THAN 5% OF THE COMPANY | |
| CLAUDE DAUPIN DECEASED (2015) PREVIOUSLY OWNED LESS THAN 20 % | |
| | |
| | |

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COMPANY/BUSINESS NAME, ADDRESS AND TELEPHONE NUMBER

| |
|---|
| TRAFIGURA GROUP PTE. LTD. |
| 10 COLLYER QUAY #29-00 OCEAN FINANCIAL CENTRE |
| SINGAPORE, 049315 |
| SINGAPORE |
| +65 6319 2960 |
| |

EIN: EMPLOYER IDENTIFICATION NUMBER

| |
|----|
| NA |
|----|

| OFFICERS NAME(S) | POSITION | DATE APPOINTED |
|----------------------------|-------------------|----------------|
| SHU SHYAN (CHRISTINE) SEET | Company Secretary | 10/01/2015 |
| | | |
| | | |

| DIRECTOR NAME(S) | POSITION | DATE APPOINTED |
|------------------------------|----------|----------------|
| CHRISTOPHER COX | Director | 02/27/2015 |
| MARK JOSEPH IRWIN | Director | 12/11/2012 |
| JOSE MARIA LAROCCA | Director | 10/23/2015 |
| PIERRE ANDRE JACQUES LORINET | Director | 08/31/2012 |
| SIPKO NANNE SCHAT | Director | 01/01/2016 |
| ANDREW VICKERMAN | Director | 01/01/2013 |
| MICHAEL STUART WAINWRIGHT | Director | 08/31/2012 |
| JEREMY CHARLES WEIR | Director | 08/31/2012 |
| | | |

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| INDIVIDUAL(S), CORPORATION(S) OR COMPANY(S) OWNING 10% OR MORE OF ENTITY | % OWNED |
|--|---------|
| TRAFIGURA BEHEER B.V. | 100% |
| | |
| | |
| | |

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COMPANY/BUSINESS NAME, ADDRESS AND TELEPHONE NUMBER

| |
|---|
| TRAFIGURA HOLDINGS PTE. LTD. |
| 10 COLLYER QUAY #29-00 OCEAN FINANCIAL CENTRE |
| SINGAPORE, 049315 |
| SINGAPORE |
| +65 6319 2960 |
| |
| |

EIN: EMPLOYER IDENTIFICATION NUMBER

| |
|----|
| NA |
| |

| OFFICERS NAME(S) | POSITION | DATE APPOINTED |
|----------------------------|-------------------|----------------|
| SHU SHYAN (CHRISTINE) SEET | Company Secretary | 11/12/2015 |
| | | |

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| DIRECTOR NAME(S) | POSITION | DATE APPOINTED |
|--------------------------------------|----------|----------------|
| PIERRE-YVES MARIE JEAN-CLAUDE RIGAUX | Director | 11/12/2015 |
| MATTHIJS PIETER SPAANS | Director | 11/12/2015 |
| CHIN HWEE TAN | Director | 04/25/2016 |
| MARTIN URDAPILLETA | Director | 11/12/2015 |
| ANTONIO GERALD VIEIRA ARAUJO | Director | 11/12/2015 |
| | | |

| INDIVIDUAL(S), CORPORATION(S) OR COMPANY(S) OWNING 10% OR MORE OF ENTITY | % OWNED |
|--|---------|
| TRAFIGURA GROUP PTE. LTD. | 100% |
| | |
| | |
| | |

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COMPANY/BUSINESS NAME, ADDRESS AND TELEPHONE NUMBER

| |
|--|
| TRAFIGURA HOLDINGS LIMITED |
| LEICESTER COURT, SUITE 2, EDGAR BERNARD STREET |
| GZIRA, GZR, 1702 |
| MALTA |
| +356 2730 0045 |
| |
| |

EIN: EMPLOYER IDENTIFICATION NUMBER

| |
|----|
| NA |
|----|

| OFFICERS NAME(S) | POSITION | DATE APPOINTED |
|-------------------------|-----------------|-----------------------|
| WALTER CUTAJAR | Secretary | 03/06/2012 |
| | | |
| | | |

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| DIRECTOR NAME(S) | POSITION | DATE APPOINTED |
|------------------------|----------|----------------|
| WALTER CUTAJAR | Director | 03/06/2012 |
| MARYANNE INGUANEZ | Director | 06/19/2017 |
| MARK JOSEPH IRWIN | Director | 03/06/2012 |
| ROBBERT ALEXANDER MAAS | Director | 03/06/2012 |
| | | |

| INDIVIDUAL(S), CORPORATION(S) OR COMPANY(S) OWNING 10% OR MORE OF ENTITY | % OWNED |
|--|---------|
| TRAFIGURA HOLDINGS PTE. LTD | 100% |
| | |
| | |
| | |

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**GENERAL CHAPTER 1
APPENDIX 1-1**

GALENA COMPANIES

APRIL 2018

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COMPANY/BUSINESS NAME, ADDRESS AND TELEPHONE NUMBER

| |
|---|
| GALENA PRIVATE EQUITY INVESTMENT LLC |
| C/O TRUST COMPANY OF THE MARSHALL ISLANDS |
| TRUST COMPANY COMPLEX, AJELTAKE ROAD, AJELTAKE ISLAND |
| MAJURO, MH 96960, MARSHALL ISLANDS |
| + 692 247-3018 |
| |
| |

EIN: EMPLOYER IDENTIFICATION NUMBER

| |
|----|
| NA |
|----|

OFFICERS NAME(S)

| OFFICERS NAME(S) | POSITION | DATE APPOINTED |
|-------------------|-------------------|----------------|
| GERARD SEAN LYNCH | Company Secretary | 05/24/2012 |
| | | |

OFFICERS NAME(S)

POSITION

DATE APPOINTED

| OFFICERS NAME(S) | POSITION | DATE APPOINTED |
|---------------------------|----------|----------------|
| JESUS FERNANDEZ LOPEZ | Director | 05/24/2012 |
| MICHAEL STUART WAINWRIGHT | Director | 05/24/2012 |
| JEREMY CHARLES WEIR | Director | 05/24/2012 |
| | | |
| | | |

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INDIVIDUAL(S), CORPORATION(S) OR COMPANY(S) OWNING 10% OR MORE OF ENTITY % OWNED

| | |
|----------------------------|-----|
| TRAFIGURA HOLDINGS LIMITED | 100 |
| | |
| | |
| | |

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COMPANY/BUSINESS NAME, ADDRESS AND TELEPHONE NUMBER

| |
|---|
| GALENA PRIVATE EQUITY RESOURCES FUND LP |
| UGLAND HOUSE |
| 135 SOUTH CHURCH STREET |
| GEORGETOWN, GRAND CAYMAN KY1-1104 |
| CAYMAN ISLANDS |
| +1 345 925 8365 |
| |
| |

EIN: EMPLOYER IDENTIFICATION NUMBER

| |
|----|
| NA |
|----|

OFFICERS NAME(S)

| OFFICERS NAME(S) | POSITION | DATE APPOINTED |
|---|-----------------|----------------|
| GALENA PRIVATE EQUITY RESOURCES LIMITED | General Partner | 12/01/2011 |
| | | |

DIRECTOR NAME(S)

| | | |
|----|--|--|
| NA | | |
| | | |

INCORPORATED
MAY 08 2018
Div. of Oil, Gas & Mining

INDIVIDUAL(S), CORPORATION(S) OR COMPANY(S) OWNING 10% OR MORE OF ENTITY % OWNED

| | |
|--------------------------------------|------|
| GALENA BULGARIA EOOD | 13 |
| UNIVERSITY OF TEXAS SYSTEM (UTIMCO) | 26.1 |
| GALENA PRIVATE EQUITY INVESTMENT LLC | 26.1 |
| LION RIVER I.N.V. | 13 |
| MOUSSRENA L.P. | 13 |

INCORPORATED
MAY 08 2018
Div. of Oil, Gas & Mining

COMPANY/BUSINESS NAME, ADDRESS AND TELEPHONE NUMBER

| |
|--------------------------|
| GALENA BULGARIA FOOD |
| 9, LYULIN PLANINA STREET |
| KRASNO SELO REGION |
| 1606 SOFIA |
| BULGARIA |
| +1 345 925 8365 |
| |
| |

EIN: EMPLOYER IDENTIFICATION NUMBER

| |
|----|
| NA |
|----|

| OFFICERS NAME(S) | POSITION | DATE APPOINTED |
|------------------|----------|----------------|
| NA | | |
| | | |
| | | |
| | | |
| | | |

INCORPORATED
MAY 08 2018
Div. of Oil, Gas & Mining

| DIRECTOR NAME(S) | POSITION | DATE APPOINTED |
|--------------------|----------|----------------|
| TZOLO IOTOV VOUTOV | Director | 6/12/2016 |
| | | |
| | | |
| | | |
| | | |

| INDIVIDUAL(S), CORPORATION(S) OR COMPANY(S) OWNING 10% OR MORE OF ENTITY | % OWNED |
|--|---------|
| | |
| | |
| | |
| | |

INCORPORATED
MAY 08 2018
 Div. of Oil, Gas & Mining

COMPANY/BUSINESS NAME, ADDRESS AND TELEPHONE NUMBER

| |
|----------------------|
| LION RIVER I N.V. |
| DIEMERHOFF 42 DIEMEN |
| NETHERLANDS 1112XN |
| (20) 660-4444 |
| |
| |
| |

EIN: EMPLOYER IDENTIFICATION NUMBER

| |
|----|
| NA |
|----|

OFFICERS NAME(S)

| OFFICERS NAME(S) | POSITION | DATE APPOINTED |
|------------------|----------|----------------|
| NA | | |
| | | |
| | | |
| | | |
| | | |

INCORPORATED
MAY 08 2018
Div. of Oil, Gas & Mining

| DIRECTOR NAME(S) | POSITION | DATE APPOINTED |
|-------------------|----------|----------------|
| ILEANA BOLCATO | Director | 2014 |
| FABRIZIO RICCARDI | Director | 2014 |
| ANDREA BONOMI | Director | 2014 |
| FRANCESCO CIGNOLO | Director | 2014 |
| MARIUS VAN HEESCH | Director | 2014 |
| | | |

| INDIVIDUAL(S), CORPORATION(S) OR COMPANY(S) OWNING 10% OR MORE OF ENTITY | % OWNED |
|--|---------|
| | |
| | |
| | |
| | |

INCORPORATED
MAY 08 2018
 Div. of Oil, Gas & Mining

COMPANY/BUSINESS NAME, ADDRESS AND TELEPHONE NUMBER

| |
|---|
| UNIVERSITY OF TEXAS SYSTEM (UTIMCO) (FUND) |
| 210 WEST 7 TH STREET, SUITE 1700 |
| AUSTIN, TX 78701 |
| (512) 225-1600 |
| |
| |
| |

EIN: EMPLOYER IDENTIFICATION NUMBER

| |
|------------|
| 74-2765082 |
|------------|

| OFFICERS NAME(S) | POSITION | DATE APPOINTED |
|-------------------------|---------------------|-----------------------|
| T. BRITTON HARRIS IV | CEO, CIO, President | 06/16/2017 |
| | | |

INCORPORATED
MAY 08 2018
Div. of Oil, Gas & Mining

| DIRECTOR NAME(S) | POSITION | DATE APPOINTED |
|-----------------------|---------------|----------------|
| JEFFERY D. HILDEBRAND | Chairman | May 2017 |
| RAY ROTHROCK | Vice Chairman | April 2016 |
| R. STEVEN HICKS | Director | May 2017 |
| PHIL ADAMS | Director | Feb 2015 |
| J. KYLE BASS | Director | May 2016 |
| ROBERT GAUNTT | Director | Sept 2017 |
| JANET HANDLEY | Director | May 2017 |
| RAY NIXON | Director | May 2016 |
| JAMES C. WEAVER | Director | May 2017 |

| INDIVIDUAL(S), CORPORATION(S) OR COMPANY(S) OWNING 10% OR MORE OF ENTITY | % OWNED |
|--|---------|
| | |
| | |
| | |
| | |

INCORPORATED
MAY 08 2018
 Div. of Oil, Gas & Mining

COMPANY/BUSINESS NAME, ADDRESS AND TELEPHONE NUMBER

| |
|-----------------------------------|
| MOUSERENA LP (FUND) |
| UGLAND HOUSE |
| 135 SOUTH CHURCH STREET |
| GEORGETOWN, GRAND CAYMAN KY1-1104 |
| CAYMAN ISLANDS |
| |
| |

EIN: EMPLOYER IDENTIFICATION NUMBER

| |
|----|
| NA |
|----|

| OFFICERS NAME(S) | POSITION | DATE APPOINTED |
|--|----------------|----------------|
| MOUSSE PARTNERS, LTD – CHARLES HEILBRONN | PRESIDENT | 1994 |
| ED ZYSIK | VICE PRESIDENT | January 2010 |
| | | |
| | | |
| | | |

INCORPORATED
MAY 08 2018
 Div. of Oil, Gas & Mining

| DIRECTOR NAME(S) | POSITION | DATE APPOINTED |
|--|----------|----------------|
| MOUSSE PARTNERS, LTD - CHARLES HEILBRONN | DIRECTOR | 1994 |
| | | |
| | | |
| | | |

| INDIVIDUAL(S), CORPORATION(S) OR COMPANY(S) OWNING 10% OR MORE OF ENTITY | % OWNED |
|--|---------|
| MOUSSE PARTNERS, LTD | 100 |
| | |
| | |
| | |

INCORPORATED
MAY 08 2018
 Div. of Oil, Gas & Mining

COMPANY/BUSINESS NAME, ADDRESS AND TELEPHONE NUMBER

| |
|--|
| MOUSSE PARTNERS, LTD |
| 9 West 57 th Street, Suite 4605 |
| New York, NY 10019-2708 |
| 212-303-5795 / 212-308-3019 |
| |
| |

EIN: EMPLOYER IDENTIFICATION NUMBER

| |
|----|
| NA |
|----|

| OFFICERS NAME(S) | POSITION | DATE APPOINTED |
|-------------------------|-----------------|-----------------------|
| CHARLES HEILBRONN | PRESIDENT | 1994 |
| ED ZYSIK | VICE PRESIDENT | January 2010 |
| | | |
| | | |
| | | |

INCORPORATED
MAY 08 2018
 Div. of Oil, Gas & Mining

| DIRECTOR NAME(S) | POSITION | DATE APPOINTED |
|-------------------|----------|----------------|
| CHARLES HEILBRONN | DIRECTOR | 1994 |
| | | |
| | | |
| | | |

| INDIVIDUAL(S), CORPORATION(S) OR COMPANY(S) OWNING 10% OR MORE OF ENTITY | % OWNED |
|--|---------|
| CHARLES HEILBRONN | 100 |
| | |
| | |
| | |

INCORPORATED

MAY 08 2018

Div. of Oil, Gas & Mining

COMPANY/BUSINESS NAME, ADDRESS AND TELEPHONE NUMBER

| |
|--|
| GALENA PRIVATE EQUITY RESOURCES CO-INVESTMENT LP |
| UGLAND HOUSE |
| 135 SOUTH CHURCH STREET |
| GEORGETOWN, GRAND CAYMAN KY1-1104 |
| CAYMAN ISLANDS |
| +1 345 925 8365 |
| |

EIN: EMPLOYER IDENTIFICATION NUMBER

| |
|----|
| NA |
|----|

OFFICERS NAME(S)

| OFFICERS NAME(S) | POSITION | DATE APPOINTED |
|---|-----------------|----------------|
| GALENA PRIVATE EQUITY RESOURCES LIMITED | General Partner | 06/26/2013 |
| | | |

DIRECTOR NAME(S)

| DIRECTOR NAME(S) | POSITION | DATE APPOINTED |
|------------------|----------|----------------|
| NA | | |
| | | |

INCORPORATED

MAY 08 2018

Div. of Oil, Gas & Mining

| INDIVIDUAL(S), CORPORATION(S) OR COMPANY(S) OWNING 10% OR MORE OF ENTITY | | | | % OWNED |
|--|--------------------------------------|--|--|---------|
| | GALENA BULGARIA EOOD | | | 20 |
| | UNIVERSITY OF TEXAS SYSTEM (UTIMCO) | | | 40 |
| | GALENA PRIVATE EQUITY INVESTMENT LLC | | | 40 |
| | | | | |

INCORPORATED
 MAY 08 2018
 Div. of Oil, Gas & Mining

COMPANY/BUSINESS NAME, ADDRESS AND TELEPHONE NUMBER

| |
|----------------------------------|
| GALENA US HOLDINGS, INC |
| 1401 MCKINNEY STREET, SUITE 1500 |
| HOUSTON, TX 77010 |
| UNITED STATES |
| +1 832 203 6400 |
| |
| |

EIN: EMPLOYER IDENTIFICATION NUMBER

| |
|------------|
| 80-0933288 |
|------------|

OFFICERS NAME(S) AND POSITION

| OFFICERS NAME(S) AND POSITION | DATE APPOINTED | DATE RELEASED |
|-------------------------------|----------------|---------------|
| COREY PROLOGO - PRESIDENT | 8/31/2016 | 3/25/2018 |
| | | |
| COREY PROLOGO - PRESIDENT | 3/26/2018 | |

INCORPORATED
MAY 08 2018
Div. of Oil, Gas & Mining

DIRECTOR NAME(S) AND POSITION

| DIRECTOR NAME(S) AND POSITION | DATE APPOINTED | DATE RELEASED |
|-------------------------------|-----------------------|---------------|
| COREY PROLOGO - DIRECTOR | 8/16/2013 | 3/25/2018 |
| ANDREW SMOLENACK - DIRECTOR | 8/16/2013 - 9/30/2017 | 3/25/2018 |
| | | |
| COREY PROLOGO - DIRECTOR | 3/26/2018 | |
| ANDREW SMOLENACK - DIRECTOR | 3/26/2018 | |

| INDIVIDUAL(S), CORPORATION(S) OR COMPANY(S) OWNING 10% OR MORE OF ENTITY | % OWNED |
|--|---------|
| GALENA INVESTMENTS LIMITED | 100 |
| | |
| | |
| | |

INCORPORATED

MAY 08 2018

Div. of Oil, Gas & Mining

CERTIFICATE OF INCUMBENCY

I, Corey Prologo, Director and President of Galena US Holdings, Inc., a Delaware corporation (the "Corporation"), do hereby certify that the following persons were designated and appointed to the offices indicated below and that the said persons do continue to hold such offices at this time:

| <u>Name</u> | <u>Title</u> |
|------------------|--------------------|
| Corey Prologo | Director/President |
| Andrew Smolenack | Director |

I hereby also certify that Galena Investments Limited is the sole stockholder of the Corporation.

IN WITNESS WHEREOF, I have hereunto subscribed my name this 26th day of March, 2018.

Corey Prologo
Director/President



Jolanta Paz
3.26.2018

INCORPORATED

MAY 08 2018

Div. of Oil, Gas & Mining

COMPANY/BUSINESS NAME, ADDRESS AND TELEPHONE NUMBER

| |
|---|
| GALENA PRIVATE EQUITY RESOURCES INVESTMENT LP |
| UGLAND HOUSE |
| 135 SOUTH CHURCH STREET |
| GEORGETOWN, GRAND CAYMAN KY1-1104 |
| CAYMAN ISLANDS |
| +1 345 925 8365 |
| |
| |

EIN: EMPLOYER IDENTIFICATION NUMBER

| |
|------------|
| 98-1389329 |
|------------|

OFFICERS NAME(S)

| OFFICERS NAME(S) | POSITION | DATE APPOINTED |
|---|-----------------|----------------|
| GALENA PRIVATE EQUITY RESOURCES LIMITED | General Partner | 06/26/2013 |
| | | |

DIRECTOR NAME(S)

| DIRECTOR NAME(S) | POSITION | DATE APPOINTED |
|------------------|----------|----------------|
| NA | | |
| | | |

INCORPORATED

MAY 08 2018

Div. of Oil, Gas & Mining

COMPANY/BUSINESS NAME, ADDRESS AND TELEPHONE NUMBER

| |
|----------------------------|
| GALENA INVESTMENTS LIMITED |
| LEICESTER COURT, SUITE 2 |
| EDGAR BERNARD STREET |
| GZIRA, MALTA |
| +356 2730 0045 |
| |
| |

EIN: EMPLOYER IDENTIFICATION NUMBER

| |
|------------|
| 98-1389425 |
|------------|

| OFFICERS NAME(S) | POSITION | DATE APPOINTED |
|-------------------------|-----------------|-----------------------|
| WALTER CUTAJAR | Secretary | 02/28/2012 |
| | | |

| DIRECTOR NAME(S) | POSITION | DATE APPOINTED |
|-------------------------|-----------------|-----------------------|
| WALTER CUTAJAR | Director | 02/28/2012 |
| MARY ANNE INGUANEZ | Director | 03/01/2017 |
| MARK JOSEPH IRWIN | Director | 02/28/2012 |
| ROBERT ALEXANDER MAAS | Director | 02/28/2012 |
| | | |

INCORPORATED
MAY 08 2018
Div. of Oil, Gas & Mining

| INDIVIDUAL(S), CORPORATION(S) OR COMPANY(S) OWNING 10% OR MORE OF ENTITY | % OWNED |
|--|---------|
| GALENA PRIVATE EQUITY RESOURCES INVESTMENT LP | 100 |
| | |
| | |
| | |

INCORPORATED

MAY 08 2018

Div. of Oil, Gas & Mining

GENERAL CHAPTER 1
APPENDIX 1-1

BOWIE COMPANIES

APRIL 2018

INCORPORATED
MAY 08 2018
Div. of Oil, Gas & Mining

COMPANY/BUSINESS NAME, ADDRESS AND TELEPHONE NUMBER

| | |
|--|---|
| BOWIE HOLDINGS, LLC | |
| 6100 DUTCHMANS LANE, 9 TH FLOOR | 225 NORTH 5 TH STREET, 9 TH FLOOR |
| LOUISVILLE, KY 40205 | GRAND JUNCTION, CO 81501 |
| (502) 584-6022 | (970) 263-5130 |
| | |

EIN: EMPLOYER IDENTIFICATION NUMBER

| |
|------------|
| 35-2608303 |
|------------|

| OFFICERS NAME(S) | POSITION | DATE APPOINTED |
|-------------------------|----------------------|-----------------------|
| EUGENE DICLAUDIO | CEO | 10/24/17 |
| EUGENE DICLAUDIO | COO | 10/24/17 |
| JAMES WOLFF | CFO | 10/24/17 |
| BRIAN SETTLES | SR VP, SEC & GEN CSL | 10/24/17 |
| CARLOS PONS | Co-CEO | 4/10/17 |

| DIRECTOR NAME(S) | POSITION | DATE APPOINTED |
|--|-----------------|-----------------------|
| | | |
| JESUS FERNANDEZ | Director | 10/24/17 |
| CARLOS PONS | Director | 10/24/17 |
| | | |
| JOHN SIEGEL - Resigned February 27, 2018 | Director | 10/24/17 Resigned |

Div. of Oil, Gas & Mining
 MAY 08 2018
 INCORPORATED

INDIVIDUAL(S), CORPORATION(S) OR COMPANY(S) OWNING 10% OR MORE OF ENTITY % OWNED

| | | |
|--|-------------------------|--------|
| | GALENA US HOLDINGS, INC | 96.535 |
| | | |
| | | |
| | | |

INCORPORATED

MAY 08 2018

Div. of Oil, Gas & Mining

COMPANY/BUSINESS NAME, ADDRESS AND TELEPHONE NUMBER

| | |
|--|---|
| BOWIE RESOURCE PARTNERS, LLC | |
| 6100 DUTCHMANS LANE, 9 TH FLOOR | 225 NORTH 5 TH STREET, 9 TH FLOOR |
| LOUISVILLE, KY 40205 | GRAND JUNCTION, CO 81501 |
| (502) 584-6022 | (970) 263-5130 |
| | |

EIN: EMPLOYER IDENTIFICATION NUMBER

| |
|------------|
| 61-1717862 |
|------------|

| OFFICERS NAME(S) | POSITION | DATE APPOINTED |
|-------------------------|----------------------|-----------------------|
| EUGENE DICLAUDIO | CEO | 4/10/17 |
| EUGENE DICLAUDIO | COO | 8/16/13 |
| JAMES WOLFF | CFO | 8/16/13 |
| BRIAN SETTLES | SR VP, SEC & GEN CSL | 8/26/13 |
| CARLOS PONS | Co-CEO | 4/10/17 |

| DIRECTOR NAME(S) | POSITION | DATE APPOINTED |
|-------------------------|-----------------|-----------------------|
| NA | | |
| | | |

Div. of Oil, Gas & Mining

MAY 08 2018

INCORPORATED

INDIVIDUAL(S), CORPORATION(S) OR COMPANY(S) OWNING 10% OR MORE OF ENTITY % OWNED

| | |
|---------------------|-----|
| BOWIE HOLDINGS, LLC | 100 |
| | |
| | |
| | |
| | |

INCORPORATED

MAY 08 2018

Div. of Oil, Gas & Mining

COMPANY/BUSINESS NAME, ADDRESS AND TELEPHONE NUMBER

| | |
|--|---|
| BOWIE RESOURCE HOLDINGS, LLC | |
| 6100 DTUCHMANS LANE, 9 TH FLOOR | 225 NORTH 5 TH STREET, 9 TH FLOOR |
| LOUISVILLE, KY 40205 | GRAND JUNCTION, CO 81501 |
| (502) 584-6022 | (970) 263-5130 |
| | |
| | |
| | |

EIN: EMPLOYER IDENTIFICATION NUMBER

| |
|------------|
| 46-3211240 |
| |

| OFFICERS NAME(S) | POSITION | DATE APPOINTED |
|-------------------------|----------------------|-----------------------|
| EUGENE DICLAUDIO | CEO | 4/10/17 |
| EUGENE DICLAUDIO | COO | 8/28/13 |
| JAMES WOLFF | CFO | 8/28/13 |
| BRIAN SETTLES | SR VP, SEC & GEN CSL | 8/28/13 |
| CARLOS PONS | Co-CEO | 4/10/17 |

Div. of Oil, Gas & Mining

MAY 08 2018

INCORPORATED

| DIRECTOR NAME(S) | POSITION | DATE APPOINTED |
|------------------|----------|----------------|
| NA | | |
| | | |

| INDIVIDUAL(S), CORPORATION(S) OR COMPANY(S) OWNING 10% OR MORE OF ENTITY | % OWNED |
|--|---------|
| BOWIE RESOURCE PARTNERS, LLC | 100 |
| | |
| | |
| | |
| | |

INCORPORATED
MAY 08 2018
 Div. of Oil, Gas & Mining

PAONIA WATER RESOURCES, LLC
MANAGEMENT INFORMATION
April 2018

Managed by Bowie Resources, LLC (Refer to this appendix for Bowie Resources, LLC information)

INCORPORATED

MAY 08 2018

Div. of Oil, Gas & Mining

**GENERAL CHAPTER 1
APPENDIX 1-1**

CANYON FUEL AND FOSSIL ROCK

APRIL 2018

INCORPORATED

MAY 08 2018

Div. of Oil, Gas & Mining

COMPANY/BUSINESS NAME, ADDRESS AND TELEPHONE NUMBER

| | |
|---|--|
| CANYON FUEL COMPANY, LLC | |
| 225 NORTH 5 th STREET, 9 th FLOOR | 6100 DUTCHMANS LANE, 9 TH FLOOR |
| GRAND JUNCTION, CO 81501 | LOUISVILLE, KY 40205 |
| (970) 263-5130 | (502) 584-6022 |
| | |

EIN: EMPLOYER IDENTIFICATION NUMBER

87-0567183

| OFFICERS NAME(S) | POSITION | DATE APPOINTED |
|-------------------------|----------------------|-----------------------|
| EUGENE DICLAUDIO | CEO | 4/10/17 |
| EUGENE DICLAUDIO | COO | 8/28/13 |
| JAMES WOLFF | CFO | 8/28/13 |
| BRIAN SETTLES | SR VP, SEC & GEN CSL | 8/28/13 |
| CARLOS PONS | Co-CEO | 4/10/17 |

Div. of Oil, Gas & Mining

MAY 08 2018

INCORPORATED

| DIRECTOR NAME(S) | POSITION | DATE APPOINTED |
|------------------|----------|----------------|
| NA | | |
| | | |

| INDIVIDUAL(S), CORPORATION(S) OR COMPANY(S) OWNING 10% OR MORE OF ENTITY | % OWNED |
|--|---------|
| BOWIE RESOURCE HOLDINGS, LLC | 100 |
| | |

INCORPORATED

MAY 08 2018

Div. of Oil, Gas & Mining

FOSSIL ROCK RESOURCES, LLC
OWNERSHIP AND OFFICERS INFORMATION
April 2018

| | Position | Beginning Date | Ending Date |
|------------------|----------------------|----------------|-------------|
| OFFICERS: | | | |
| James Wolff | CFO | 8/29/14 | |
| Eugene DiClaudio | CEO | 4/10/17 | |
| Eugene DiClaudio | COO | 8/29/14 | |
| Brian Settles | SR VP, SEC & GEN CSL | 8/29/14 | |

NO DIRECTORS

OWNERSHIP

CANYON FUEL COMPANY, LLC 100%

CHANGE HISTORY:

| | | | |
|-------------------------|-----|---------|---------|
| Johannes (Manie) Dreyer | CEO | 8/29/14 | 4/30/16 |
| Grant Quasha | CCO | 8/29/14 | 6/9/17 |

INCORPORATED

MAY 08 2018

Div. of Oil, Gas & Mining