

Legal Advertisement:  
Doddridge County  
Floodplain Permit Application

Please take notice that on the 21<sup>th</sup> day of May, 2014

**ANTERO RESOURCES #14-208**

filed an

application for a Floodplain Permit to develop land located at or  
about: **SURFACE OWNERS: CHRISTOPHER L COFFMAN, JOHN H MCCLAIN  
AND SHAWN A GLASPELL.**

**RT 23 N – ASHLEY, MCELROY CREEK AND RIGGINS RUN AREA**

The Application is on file with the Clerk of the County Court and  
may be inspected or copied during regular business hours.

Any interested persons who desire to comment shall present  
the same in writing by **June 10, 2014.**

Delivered to the:

Clerk of the County Court

118 E. Court Street, West Union, WV 26456.

Beth A Rogers, Doddridge County Clerk

Edwin L. "Bo" Wriston. Doddridge County Flood Plain Manager

SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY
<ul style="list-style-type: none"> <li>Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.</li> <li>Print your name and address on the reverse so that we can return the card to you.</li> <li>Attach this card to the back of the mailpiece, or on the front if space permits.</li> </ul>	<p>A. Signature  <input checked="" type="checkbox"/> Agent  <input checked="" type="checkbox"/> Addressee  <i>Nancy J. Cutright</i></p> <p>B. Received by (Printed Name)            Nancy J. Cutright</p> <p>C. Date of Delivery            5-24</p>
<p>1. Article Addressed to: #14-208            Nancy Jane Sees Cutright            135 Marie St.            Parkersburg, WV            26104</p>	<p>D. Is delivery address different from item 1? <input type="checkbox"/> Yes            If YES, enter delivery address below: <input type="checkbox"/> No</p> <p>3. Service Type  <input checked="" type="checkbox"/> Certified Mail® <input type="checkbox"/> Priority Mail Express™  <input type="checkbox"/> Registered <input type="checkbox"/> Return Receipt for Merchandise  <input type="checkbox"/> Insured Mail <input type="checkbox"/> Collect on Delivery</p> <p>4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes</p>
<p>2. Article Number            (Transfer from service label) 7013 2250 0001 6914 8650</p>	
PS Form 3811, July 2013	Domestic Return Receipt

050  
7013 2250 0001 6914 8650

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**OFFICIAL USE**

Postage	\$ 48
Certified Fee	3.30
Return Receipt Fee (Endorsement Required)	2.70
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$ 6.48

#14-208

Sent To  
*Nancy Jane Sees Cutright*  
 Street, Apt. No., or PO Box No. 135 Marie St  
 City, State, ZIP+4 Parkersburg, WV 26104

PS Form 3800, August 2006 See Reverse for Instructions



050  
7013 2250 0001 6914 8711

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Total Postage & Fees	\$ 6.48

#14-208

Sent To  
*Arnold Lee Bonnell*  
 Street, Apt. No., or PO Box No. Rt 1 Box 108  
 City, State, ZIP+4 Lumberport, WV 26386

PS Form 3800, August 2006 See Reverse for Instructions



050  
7013 2250 0001 6914 8674

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Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$ 6.48

#14-208

Sent To  
*John H. McClain*  
 Street, Apt. No., or PO Box No. HC 67 Box 125  
 City, State, ZIP+4 West Union, WV 26456

PS Form 3800, August 2006 See Reverse for Instructions



050  
7013 2250 0001 6914 8643

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Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$ 6.48

#14-208

Sent To  
*Mary L. Glaspell*  
 Street, Apt. No., or PO Box No. Rt 2 Box 192  
 City, State, ZIP+4 Salem, WV 26426

PS Form 3800, August 2006 See Reverse for Instructions



**SENDER: COMPLETE THIS SECTION**

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to: # 14-208

Christopher W. Coffman  
 HC 67 Box 124  
 West Union, WV 26456

2. Article Number  
 (Transfer from service label)

7013 2250 0001 6914 8681

**COMPLETE THIS SECTION ON DELIVERY**

A. Signature

X  Agent Addressee

B. Received by (Printed Name)

Christopher Coffman

C. Date of Delivery

5-28-14

D. Is delivery address different from item 1?  Yes

If YES, enter delivery address below:

 No

3. Service Type

 Certified Mail® Priority Mail Express™ Registered Return Receipt for Merchandise Insured Mail Collect on Delivery

4. Restricted Delivery? (Extra Fee)

 Yes

UNITED STATES POSTAL SERVICE



First-Class Mail  
Postage & Fees Paid  
USPS  
Permit No. G-10

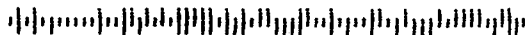
• Sender: Please print your name, address, and ZIP+4® in this box •

Bo Wriston, Doddridge County FP  
118 Court Street, STE 102  
West Union, WV 26456

A. ROBERTS  
COUNTY CLERK  
DODDRIDGE COUNTY, WV

MAY 30 AM 8:40

FILED



**SENDER: COMPLETE THIS SECTION**

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to: #14-208

Larry D. Swiger  
 HC 69 Box 121  
 West Union, WV  
 26456

2. Article Number  
 (Transfer from service label)

7013 2250 0001 6914 8728

PS Form 3811, July 2013

**COMPLETE THIS SECTION ON DELIVERY**

A. Signature

X

- Agent  
 Addressee

B. Received by (Printed Name)

Berk Surger

C. Date of Delivery

5/28/14

- D. Is delivery address different from item 1?  Yes  
 If YES, enter delivery address below:  No

3. Service Type

- Certified Mail®  Priority Mail Express™  
 Registered  Return Receipt for Merchandise  
 Insured Mail  Collect on Delivery

4. Restricted Delivery? (Extra Fee)

Yes

Domestic Return Receipt

UNITED STATES POSTAL SERVICE



First-Class Mail  
Postage & Fees Paid  
USPS  
Permit No. G-10

28 MAY '14

FM 1 L

• Sender: Please print your name, address, and ZIP+4 in this box •

Bo Wriston, Doddridge County  
118 Court Street, STE 102  
West Union, WV 26456

WEST VIRGINIA  
YULESKY  
COUNTY, WV

28 MAY 30 AM 8:40



**SENDER: COMPLETE THIS SECTION**

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to: # 14-208  
 Shawn A. Gaspell  
 Rt 2 Box 230  
 West Union, WV  
 26456

2. Article Number  
 (Transfer from service label)

7013 2250 0001 6914 8667

**COMPLETE THIS SECTION ON DELIVERY**

A. Signature

x Martha Brunetti  Agent  
 Addressee

B. Received by (Printed Name)

Martha Brunetti

C. Date of Delivery

5-28-14

D. Is delivery address different from item 1?  Yes  
 If YES, enter delivery address below:  No

3. Service Type

- Certified Mail®  Priority Mail Express™
- Registered  Return Receipt for Merchandise
- Insured Mail  Collect on Delivery

4. Restricted Delivery? (Extra Fee)

Yes

UNITED STATES POSTAL SERVICE



First-Class Mail  
Postage & Fees Paid  
USPS  
Permit No. G-10

- Sender: Please print your name, address, and ZIP+4® in this box•

Bo Wriston, Doddridge County  
118 Court Street, STE 102  
West Union, WV 26456



FILED  
MAY 30 8:40  
DODDRIDGE COUNTY CLERK  
WEST UNION, WV





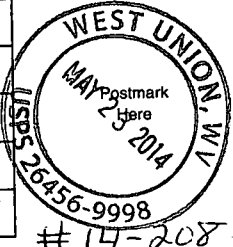
7013 2250 0001 6914 8681

U.S. Postal Service™  
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**OFFICIAL USE**

Postage	\$	48
Certified Fee		3.30
Return Receipt Fee (Endorsement Required)		2.70
Restricted Delivery Fee (Endorsement Required)		
Total Postage & Fees	\$	6.48



#14-208

Sent To Christopher L. Coffman  
 Street, Apt. No., or PO Box No. HC 67 Box 124  
 City, State, ZIP+4 West Union, WV 26456

PS Form 3800, August 2006 See Reverse for Instructions

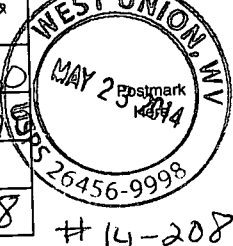
7013 2250 0001 6914 8728

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 Street, Apt. No., or PO Box No. HC 69 Box 121  
 City, State, ZIP+4 West Union, WV 26456

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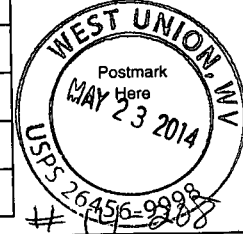
7013 2250 0001 6914 8667

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**OFFICIAL USE**

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Certified Fee		3.30
Return Receipt Fee (Endorsement Required)		2.70
Restricted Delivery Fee (Endorsement Required)		
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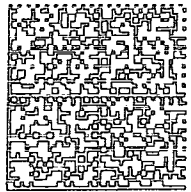
#14-208

Sent To Shawn A. Glaspell  
 Street, Apt. No., or PO Box No. Rt 2, Box 230  
 City, State, ZIP+4 West Union, WV 26456

PS Form 3800, August 2006 See Reverse for Instructions

**CERTIFIED MAIL**

BO WRISTON  
DODDRIDGE COUNTY FLOOD PLAIN MGT  
118 EAST COURT ST, ROOM 102  
WEST UNION, WV 26456



7 6914 8674

**RTS**  
RETURN TO SENDER

HASLER	015H14161808	US POSTAGE
	\$6.48	
	05/23/14	
	Mailed From 26456	

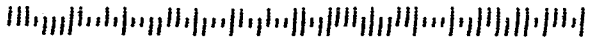
- A
- C
- S
- INSUFFICIENT ADDRESS
- ATTEMPTED NOT KNOWN
- NO SUCH NUMBER/ STREET
- NOT DELIVERABLE AS ADDRESSED
- UNABLE TO FORWARD
- OTHER

*Vacant*

JOHN H MCCLAIN  
HC67 BOX 125  
WEST UNION, WV 26456



2645689207 HC67



PLACE STICKER AT TOP OF ENVELOPE TO THE RIGHT  
OF THE RETURN ADDRESS, FOLD AT DOTTED LINE

**SENDER: COMPLETE THIS SECTION**

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
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1. Article Addressed to: #14-208

John H. McClain  
HC 67 Box 125  
West Union, WV  
26456

2. Article Number  
(Transfer from service label)

7013 2250 0001 6914 8674

PS Form 3811, July 2013

Domestic Return Receipt

**COMPLETE THIS SECTION ON DELIVERY**

A. Signature

X

Agent

Addressee

B. Received by (Printed Name)

C. Date of Delivery

D. Is delivery address different from item 1?  Yes  
If YES, enter delivery address below:  No

3. Service Type

- Certified Mail®
- Registered
- Insured Mail
- Priority Mail Express™
- Return Receipt for Merchandise
- Collect on Delivery

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Yes

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Please take notice that on the 21<sup>th</sup> day of May, 2014

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**RT 23 N – ASHLEY, MCELROY CREEK AND RIGGINS RUN AREA**

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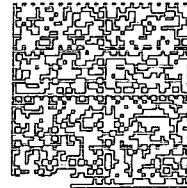
Beth A Rogers, Doddridge County Clerk

Edwin L. "Bo" Wriston. Doddridge County Flood Plain Manager

BO WRISTON  
DODDRIDGE COUNTY FLOOD PLAIN MGT  
118 EAST COURT ST, ROOM 102  
WEST UNION, WV 26456



7013 2250 0001 6914 8711



HASLER	015H14161808	US POSTAGE
	\$6.48	
	05/23/14	
Mailed From 26456		



ARNOLD LEE BONNELL  
RT/BOX 108  
LUMBERPORT, WV 26386



NIXIE 250 DE 1700 0005/25/14

RETURN TO SENDER  
INSUFFICIENT ADDRESS  
UNABLE TO FORWARD

BC: 26456126227 \*1771-02551-23-44

2645601262



PLACE STICKER AT TOP OF ENVELOPE TO THE RIGHT  
OF THE RETURN ADDRESS FOLD AT DOTTED LINE

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1. Article Addressed to: #14-208

Arnold L. Bonnell  
Rt 1 Box 108  
Lumberport, WV  
26386

2. Article Number  
(Transfer from service label)

7013 2250 0001 6914 8711

PS Form 3811, July 2013

Domestic Return Receipt

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A. Signature  Agent  
**X**  Addressee

B. Received by (Printed Name)

C. Date of Delivery

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If YES, enter delivery address below:  No

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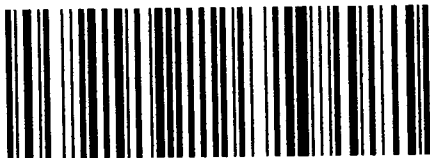
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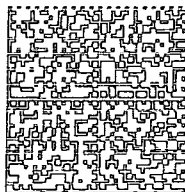
Beth A Rogers, Doddridge County Clerk  
Edwin L. "Bo" Wriston, Doddridge County Flood Plain Manager

**CERTIFIED MAIL™**

BO WRISTON  
DODDRIDGE COUNTY FLOOD PLAIN MGT  
118 EAST COURT ST, ROOM 102  
WEST UNION, WV 26456



7013 2250 0001 6914 8643



HASLER	015H14161808
	<b>\$6.48</b>
	05/23/14
	Mailed From 26456

US POSTAGE

*UTP*

MARY L GLASPELL  
RT2 BOX 192  
SALEM, WV 26426



NIXIE 250 FE 1700 0005/25/14

RETURN TO SENDER  
NOT DELIVERABLE AS ADDRESSED  
UNABLE TO FORWARD

BC: 26456126227 \*1771-02549-23-44

26456126227 R





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1. Article Addressed to: #14-208  
 Mary L. Glaspell  
 Rt 2. Box 192  
 Salem, WV 26426

2. Article Number  
 (Transfer from service label)

7013 2250 0001 6914 8643

**COMPLETE THIS SECTION ON DELIVERY**

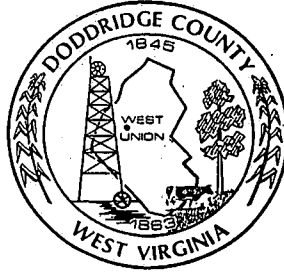
A. Signature  Agent  
 Addressee

B. Received by (Printed Name) C. Date of Delivery

D. Is delivery address different from item 1?  Yes  
 If YES, enter delivery address below:  No

3. Service Type  
 Certified Mail®  Priority Mail Express™  
 Registered  Return Receipt for Merchandise  
 Insured Mail  Collect on Delivery

4. Restricted Delivery? (Extra Fee)  Yes



# Commercial/Industrial Floodplain Development Permit

## Doddridge County, WV Floodplain Management

This permit has been issued to **ANTERO RESOURCES**, and is for the approved commercial and/or industrial development project associated with this permit that impacts the FEMA-designated floodplain and/or floodway of Doddridge County, WV, pursuant to the rules and regulations established by all applicable Federal, State and local laws and ordinances, including the Doddridge County Floodplain Ordinance. This permit must be posted at the site of work as to be clearly visible, and must remain posted during entirety of development.

### Permit: #14-208 ~ North Canton Connector Pipeline

**Date Approved: 07/29/2014**

**Expires: 07/29/2015**

**Issued to: ANTERO RESOURCES**

**POC: Emily Kijowski  
303-357-7232**

**Company Address: 1615 WYNKOOP ST  
DENVER, CO**

**Project Address: McClellan District**

**Lat/Long: 39.413577N/80.727986W to 39.359729N/80.666031W**

**Purpose of development: Pipeline Construction.**

**Issued by: Edwin L. "Bo" Wriston, Doddridge County FPM (or designee)**

**Date: 07/29/2014**

---

For additional information regarding this permit, please contact  
Doddridge County Floodplain Manager at 304.873.2631, or via email at  
doddridgecountyfpm@gmail.com  
118 East Court Street; West Union, WV 26456

---



**ANTERO RESOURCES MIDSTREAM**  
 1625 17th STREET, SUITE 300  
 DENVER, COLORADO 80202

Vendor Name	Vendor No.	Date	Check Number	Check Total
DODDRIDGE COUNTY COMMISSION	43312	Apr-24-2014	10218	\$3,497.00

VOUCHER	VENDOR INV #	INV DATE	TOTAL AMOUNT	PRIOR PMTS & DISCOUNTS	NET AMOUNT
04-AP-491	LB0422201F	04/22/14	3,497.00	0.00	3,497.00
North Canton Connector Pipeline					
TOTAL INVOICES PAID					3,497.00

## Doddridge County, West Virginia

RECEIPT NO: 2203

DATE: 2014/05/20

FROM: ANTERO

AMOUNT: \$ 3,497.00

THREE THOUSAND FOUR HUNDRED NINETY SEVEN DOLLARS AND 00 CENTS

FOR: #14-208 ANTERO- NORTH CANTON  
 CONNECTOR PIPELINE

00000010218 FP-BUILDING PERMITS

020-318

TOTAL: \$3,497.00

MICHAEL HEADLEY

SHERIFF & TREASURER

MEC

CLERK

Customer Copy

*#14-208  
 Antero - North Canton  
 Connector Pipeline*

DETACH AND RETAIN FOR TAX PURPOSES

NO. 214-545

**INVOICE**

***West Virginia Division of Natural Resources***

Wildlife Resources Section, P.O. Box 67, Elkins, WV 26241

Attention: Ms. Patty Fordyce

**In Account With:** Antero Resources Corporation  
1625 17<sup>th</sup> Street, Suite 300  
Denver, CO 80202

**Date:** February 25, 2014

**Attention:** Mr. Brett F. Fletcher

---

For the retrieval and compilation of information on rare, threatened and endangered species and sensitive habitats for the proposed North Canton Pipeline to EQT Pipeline (North Canton Connector) project in Doddridge and Tyler counties, WV.

**AMOUNT DUE: \$75.00**

Make check payable to WV Division of Natural Resources. **Please reference the invoice number on your check.** Mail to the above address and to the attention of Ms. Fordyce.

NO. 214-590

**INVOICE**

***West Virginia Division of Natural Resources***

Wildlife Resources Section, P.O. Box 67, Elkins, WV 26241

Attention: Ms. Patty Fordyce

**In Account With:** Kleinfelder  
230 Executive Drive, Suite 122  
Cranberry Township, PA 16066

**Date:** March 25, 2014

**Attention:** Ms. Heather Krepsik

---

For the retrieval and compilation of information on rare, threatened and endangered species and sensitive habitats for the proposed North Canton Pipeline to EQT Pipeline (North Canton Connector) re-route project in Doddridge and Tyler counties, WV.

**AMOUNT DUE: \$75.00**

**Make check payable to WV Division of Natural Resources. Please reference the invoice number on your check. Mail to the above address and to the attention of Ms. Fordyce.**

# West Virginia Division of Natural Resources

## Invoice

**Pay on-line at <http://wvdnr.gov/REM>**

**Invoice#:** 21300

**Comp. ID#:** 4524

**Bill Date:** 05/29/2014

**In  
Acct  
With**

Antero Resources Corporation  
Attention: Amanda Oates  
1615 Wynkoop Street  
Denver, CO 80202

<b>AGREEMENT</b>	<b>INVOICE PERIOD</b>	<b>AMOUNT PAID</b>	<b>AMOUNT DUE</b>
<u>AGREEMENT DATED 5/28/2014</u> <u>P-14-VI/48-667</u> A twenty inch (20") steel natural gas pipeline (North Canton Pipeline-EQT Pipeline (NC Connector) Project) unnamed tributary of Davis Run, Tyler Co., WV	For 5/28/2014 to 5/28/2024 Land and Streams/DNR	\$0.00	\$275.00
<u>AGREEMENT DATED 5/28/2014</u> <u>LS-14-VI/48-668</u> A matting/pallets crossing (North Canton Pipeline-EQT Pipeline(NC Connector) Project) unnamed tributary of Davis Run, Tyler Co., WV	For 5/28/2014 to 5/28/2015 Land and Streams/DNR	\$0.00	\$100.00
<b>TOTAL INVOICE:</b>			<b>\$375.00</b>
<b>NUMBER OF AGREEMENTS:</b>			<b>2</b>

**Please Reference Either Invoice Number or Agreement Re: on Payment**

WV Division of Natural Resources  
Office of Land & Streams  
324 Fourth Avenue, Room 200  
South Charleston, WV 25303

**IF YOU HAVE ANY QUESTIONS, PLEASE CONTACT**

Nadine Hamilton (304) 558-3225  
[nadine.r.hamilton@wv.gov](mailto:nadine.r.hamilton@wv.gov)

Legal Advertisement:  
Doddridge County  
Floodplain Permit Application

Please take notice that on the 21<sup>th</sup> day of May, 2014

**ANTERO RESOURCES #14-208**

filed an

application for a Floodplain Permit to develop land located at or  
about: **SURFACE OWNERS: CHRISTOPHER L COFFMAN, JOHN H MCCLAIN  
AND SHAWN A GLASPELL.**

**RT 23 N – ASHLEY, MCELROY CREEK AND RIGGINS RUN AREA**

The Application is on file with the Clerk of the County Court and  
may be inspected or copied during regular business hours.

Any interested persons who desire to comment shall present  
the same in writing by **June 10, 2014.**

Delivered to the:  
Clerk of the County Court  
118 E. Court Street, West Union, WV 26456.

Beth A Rogers, Doddridge County Clerk  
Edwin L. "Bo" Wriston. Doddridge County Flood Plain Manager

# 14-208  
North Canton Connector  
P/L



April 23, 2014

Antero Resources  
1625 17th Street  
Denver, Colorado 80202  
Office 303.357.7310  
Fax 303.357.7315

Doddridge County Commission  
Attn: Bo Wriston, Doddridge County Floodplain Manager  
118 East Court Street, Room 102  
West Union, WV 26456

Mr. Wriston:

Antero Resources Corporation (Antero) would like to submit a Doddridge County Floodplain permit application for our North Canton Connector project. Our project is located in Doddridge County, McClellan District and as shown on FIRM Maps 54017C0040C and 54017C0045C approximately .23 acres of the pipeline will be constructed in the floodplain. The proposed 7.86 mile steel, natural gas pipeline originates at coordinates 39.413577, -80.727986 and ends at coordinates 39.359729, -80.666031. Each segment of the North Canton Connector will be buried below the ground surface using conventional open cut pipeline construction methods with the exception of a horizontal directional drill crossing of McElroy Creek. Following completion of construction, the right of way will be restored to pre-construction contours and no permanent structure will be constructed; therefore, there will be no change to the base flood elevations. Please refer to the enclosed exhibits.

Attached you will find the following:

- Doddridge County Floodplain Permit Application and Required Permit Fee
- Bid Sheet
- WV Flood Tool Map
- FIRM Map

If you have any questions please feel free to contact me at (303) 357-6412.

Thank you in advance.

Sincerely,

A handwritten signature in black ink that reads "Shaye Marshall".

Shaye Marshall  
Permit Representative  
Antero Resources Corporation

Enclosures

2014 APR 25 PM 1:02  
BETH A. ROGERS  
COUNTY CLERK  
DODDRIDGE COUNTY, WV

FILED





401  
404  
Army  
Corp  
&  
DLP

Kleinfelder, Inc.  
230 Executive Drive, Suite 122  
Cranberry Township, PA 16066

April 22, 2014

Mr. Dan Wellings  
Floodplain Coordinator  
Doddridge County Commission  
118 East Court Street  
West Union, WV 26456

Re: Doddridge County Floodplain Development Permit Application  
North Canton Pipeline to EQT Pipeline Project (North Canton Connector)  
Doddridge and Tyler Counties, West Virginia  
Antero Midstream LLC

Dear Mr. Wellings:

Antero Midstream LLC (Antero) is proposing to install 7.86-miles of steel, natural gas pipeline near the town of Shirley in Doddridge and Tyler Counties, West Virginia at coordinates 39.413577°, -80.727986° for the northern terminus of the line and 39.359729°, -80.666031° for the southern terminus of the line. The northern portion of the North Canton Pipeline to EQT Pipeline (North Canton Connector) Project will be 20-inches in diameter from the North Canton Pipeline (northern terminus) to Canton North Compressor Facility. From the Canton North Compressor Facility to the EQT Pipeline (southern terminus), the proposed project will consist of a 16-inch diameter pipeline and a 20-inch diameter pipeline that will be located within the same 100-foot wide Right-of-Way (ROW)/Limits of Disturbance (LOD). Of the 7.86 miles of pipeline, approximately 7.63 miles of pipeline will be installed within Doddridge County. Each segment of the North Canton Connector Project will be buried below the ground surface using conventional open cut pipeline construction methods with the exception of a horizontal directional drill crossing of McElroy Creek in Doddridge County. Existing access roads will be utilized to construct the proposed pipeline. Sections of the proposed project will cross a designated Federal Emergency Management Administration regulated flood zone within Doddridge County according to FIRM Maps #54017C0040C and #54017C0045C.

Directions to the Site: From Shirley, WV: Head east on WV-23 E toward County Road 64/Braden Hill. Take the third left onto County Road 64/Braden Hill. Take the first right onto County Road 55/1/Davis Run Road and continue for 1.3 miles. The northern terminus of the proposed project will be on your right.

#### Mainline Pipeline Installations

- A. Clearing – During clearing operations, all brush and trees will be felled into the construction work area to prevent off-construction work area damage to trees and structures. All cleared brush will be stacked to the side of the right-of-way, chipped or burned. Timber will be stacked or hauled away based on landowner requests. Stumps will be buried, ground or chipped in place.
- B. Grading – Grading will be kept to the minimum amount necessary and includes installation of erosion control devices (ECDs) such as interceptor diversions, filter devices and equipment crossings of streams to minimize soil loss and eliminate sedimentation risks.

Topsoil will be stripped, segregated and stockpiled in agland areas along the edge of right-of-way.

- C. Trenching – Typically, the trench will not remain open for more than 30 days in any one area. Open trench duration of streams and wetlands will be kept to a minimum. Temporary breakers are installed to reduce water velocity and erosion of the trench bottom. When the trench must remain open longer, appropriate erosion controls will be employed.
- D. Laying Pipe – The pipeline will be strung on the right-of-way, bent to fit the ditch, welded, coated and lowered into the ditch in an assembly line method of construction.
- E. Backfill – Once the pipe is installed in the trench, it will be backfilled with the stored spoil. No waste material will be placed in the trench. Trench line barriers will be placed in the trench spaced according to existing ground slope to prevent water movement and subsequent erosion.
- F. Final Grading, Restoration and Stabilization – Final grading will be completed after backfilling the trench. The right-of-way will be restored to pre-construction contours. Final erosion control devices will be installed during final grading. Restoration will begin after final grading, weather permitting. Fertilizer and lime will be disked into the soil to prepare a seedbed. Seeding and mulching will promptly follow seedbed preparation. Quantities and seed mixes will be applied per the established specifications for the project.
- G. Crews and Equipment – Construction crews and equipment to be utilized on the project will consist of approximately the following:
  - a. One to three environmental crews, separate crews for clearing, foreign utility locating, grading, ditching, stringing and bending the pipe, welding, coating, lowering in, backfilling, tying in and cleanup.
  - b. Major equipment to be used would consist of approximately 12 track dozers, 15 track backhoes, 12 track pipe layers and various rubber tire vehicles.

#### **Stream and Wetland Crossings**

#### **(Natural Gas Line Construction in Riggins Run and the UNT to Riggins Run Floodplains)**

- A. The main objective of any water body crossing is to construct the pipeline in a manner which minimizes erosion and subsequent sedimentation into the water body. When water levels are temporarily high, the crossings will be postponed until water levels subside. Minor and intermediate water bodies will be crossed either utilizing the dry-ditch flume pipe method or dam and pump-around techniques, as directed by the associated permit. Major water bodies will have a site-specific crossing method such as a Horizontal Directional Drill. Equipment bridges (mat bridges) will be installed over minor water bodies and wetlands. Sediment filter devices for trench spoil will be installed prior to commencing trenching activities. The pipeline will normally be installed within a 48 hour window. Water body bottoms will be returned as near as practical to their original contours upon completion of installation. Restoration will follow directly behind and stream banks will be restored to original contours. The main objective of any wetland crossing is to construct the pipeline and restore the original contour of the wetland. For wetland crossings without standing water, normal construction techniques will be used. The right-of-way can be used for access thru the wetland. Wetland crossings with standing water will be constructed as separate construction entities, such that trenching, installation, backfilling and restoration are completed in the minimum number of days necessary. The push-pull or float technique of pipe installation will be utilized. Maximum base flood elevations at the two proposed stream crossings are listed below. Following pipeline installation, the right-of-way will be restored to pre-construction contours and no permanent structures will be constructed; therefore, there will be no change to the base flood elevations.

- Riggins Run – approximately 778 feet
- Unnamed Tributary to Riggins Run – approximately 782 feet

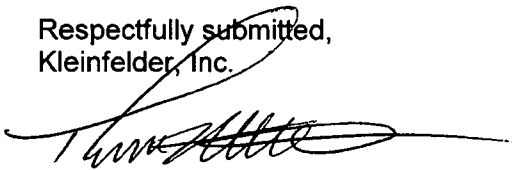
**Horizontal Directional Drill  
(Natural Gas Line Construction under McElroy Creek)**

A. The pipeline will be installed across McElroy Creek utilizing the Horizontal Directional Drill method. A drill rig will be set up on the west side of County Route 23 to drill under County Route 23 and McElroy Creek. The pipe will be welded together on the east side of McElroy Creek outside the stream buffers. Once the drill is completed to the right size, the pipeline will be pulled through the hole and connected to the proposed pipeline on both sides. All required erosion control devices will be installed and maintained prior to beginning the drill and throughout the completion. The current base flood elevation at the proposed stream crossing is a maximum of approximately 761 feet. Following completion of the Horizontal Directional Drill and construction activities, the right-of-way will be restored to pre-construction contours and no permanent structures will be constructed; therefore, there will be no change to the base flood elevations.

In the event that the proposed Horizontal Directional Drill of McElroy Creek fails, Antero's Contingency Plan will be to open cut the stream in a similar manner as described in the above section titled "Stream and Wetland Crossings (Natural Gas Line Construction in Riggins Run and the UNT to Riggins Run Floodplains)". Following pipeline installation, the right-of-way will be restored to pre-construction contours and no permanent structures will be constructed; therefore, there will be no change to the base flood elevations.

We appreciate your timely review of these materials. Please contact me at (724) 831-5129 with any questions or concerns.

Respectfully submitted,  
Kleinfelder, Inc.



Thomas Woodrow, PE  
Senior Project Manager

Attachments



#14-208

## DODDRIDGE COUNTY FLOODPLAIN DEVELOPMENT PERMIT APPLICATION

### SECTION 1: GENERAL PROVISIONS (APPLICANT TO READ AND SIGN)

1. No work may start until a permit is issued.
2. The permit may be revoked if any false statements are made herein.
3. If revoked, all work must cease until permit is re-issued.
4. Development shall not be used or occupied until a Certificate of Compliance is issued.
5. The permit will expire if no work is commenced within six months of issuance.
6. Applicant is hereby informed that other permits may be required to fulfill local, state, and federal requirements.
7. Applicant hereby gives consent to the Floodplain Administrator/Manager or his/her representative to make inspections to verify compliance.
8. **I, THE APPLICANT CERTIFY THAT ALL STATEMENTS HEREIN AND IN ATTACHMENTS TO THIS APPLICATION ARE, TO THE BEST OF MY KNOWLEDGE, TRUE AND ACCURATE.**

APPLICANT'S SIGNATURE

W. White

DATE

4/23/14

### SECTION 2: PROPOSE DEVELOPMENT (TO BE COMPLETED BY APPLICANT).

**IF THE APPLICANT IS NOT A NATURAL PERSON, THE NAME, ADDRESS, AND TELEPHONE NUMBER OF A NATURAL PERSON WHO SHALL BE APPOINTED BY THE APPLICANT TO RECEIVE NOTICE PURSUANT TO ANY PROVISION OF THE CURRENT DODDRIDGE COUNTY FLOODPLAIN ORDINANCE.**

APPLICANT'S NAME: Antero Resources Corporation

ADDRESS: 1625 17th Street, Denver, CO 80202

1615 Wynkoop St.

TELEPHONE NUMBER: Contact Shauna DeMattee: 303-357-6820

6412

**BUILDER'S NAME:** Antero Resources Corporation  
**ADDRESS:** 1625 17th Street, Denver, CO 80202  
**TELEPHONE NUMBER:** (303) 357-7310

**ENGINEER'S NAME:** Tom Woodrow - Kleinfelder  
**ADDRESS:** 230 Executive Dr, Suite 122, Cranberry Township, PA 16066  
**TELEPHONE NUMBER:** 724-772-7072

**PROJECT LOCATION:**

**NAME OF SURFACE OWNER/OWNERS (IF NOT THE APPLICANT)** Please see attached property owner table

**ADDRESS OF SURFACE OWNER/OWNERS (IF NOT THE APPLICANT)** Please see attached property owner table

**DISTRICT:** McClellan District

**DATE/FROM WHOM PROPERTY**

**PURCHASED:** N/A

**LAND BOOK DESCRIPTION:** Please see attached property owner table

**DEED BOOK REFERENCE:** Please see attached property owner table

**TAX MAP REFERENCE:**

**EXISTING BUILDINGS/USES OF PROPERTY:**

**NAME OF AT LEAST ONE ADULT RESIDING IN EACH RESIDENCE LOCATED UPON THE SUBJECT PROPERTY**

**ADDRESS OF AT LEAST ONE ADULT RESIDING IN EACH RESIDENCE LOCATED UPON THE SUBJECT PROPERTY**

To avoid delay in processing the application, please provide enough information to easily identify the project location.

**DESCRIPTION OF WORK (CHECK ALL APPLICABLE BOXES)**

**A. STRUCTURAL DEVELOPMENT**

**ACTIVITY**

**STRUCTURAL TYPE**

- |                                     |                         |                          |                                  |
|-------------------------------------|-------------------------|--------------------------|----------------------------------|
| <input checked="" type="checkbox"/> | New Structure           | <input type="checkbox"/> | Residential (1 – 4 Family)       |
| <input type="checkbox"/>            | Addition                | <input type="checkbox"/> | Residential (more than 4 Family) |
| <input type="checkbox"/>            | Alteration              | <input type="checkbox"/> | Non-residential (floodproofing)  |
| <input type="checkbox"/>            | Relocation              | <input type="checkbox"/> | Combined Use (res. & com.)       |
| <input type="checkbox"/>            | Demolition              | <input type="checkbox"/> | Replacement                      |
| <input type="checkbox"/>            | Manufactured/Mobil Home |                          |                                  |

**B. OTHER DEVELOPMENT ACTIVITIES:**

- Fill             Mining             Drilling             Pipelining
- Grading
- Excavation (except for STRUCTURAL DEVELOPMENT checked above)
- Watercourse Alteration (including dredging and channel modification)
- Drainage Improvements (including culvert work)
- Road, Street, or Bridge Construction
- Subdivision (including new expansion)
- Individual Water or Sewer System
- Other (please specify)
- 

**C. STANDARD SITE PLAN OR SKETCH**

- 1. SUBMIT ALL STANDARD SITE PLANS, IF ANY HAVE BEEN PREPARED.**
- 2. IF STANDARD SITE PLANS HAVE NOT BEEN PREPARED:**  
SKETCH ON A SEPARATE 8 ½ X 11 INCH SHEET OF PAPER THE SHAPE AND LOCATION OF THE LOT. SHOW THE LOCATION OF THE INTENDED CONSTRUCTION OR LAND USE INDICATING BUILDING SETBACKS, SIZE & HEIGHT. IDENTIFY EXISTING BUILDINGS, STRUCTURES OR LAND USES ON THE PROPERTY.
- 3. SIGN AND DATE THE SKETCH.**

**ACTUAL TOTAL CONSTRUCTION COSTS OF THE COMPLETE DEVELOPMENT IRRESPECTIVE OF WHETHER ALL OR ANY PART OF THE SUBJECT PROPOSED CONSTRUCTION PROJECT IS WITHIN THE FLOODPLAIN \$ 598,200.00**

\*See attached Bid Sheet

**D. ADJACENT AND/OR AFFECTED LANDOWNERS:**

**1. NAME AND ADDRESS OF ALL OWNERS OF SURFACE TRACTS ADJACENT TO THE AREA OF THE SURFACE TRACT (UP & DOWN STREAM) UPON WHICH THE PROPOSED ACTIVITY WILL OCCUR AND ALL OTHER SURFACE OWNERS UP & DOWN STREAM) WHO OWN PROPERTY THAT MAY BE AFFECTED BY FLOODING AS IS DEMONSTRATED BY A FLOODPLAIN STUDY OR SURVEY (IF ONE HAS BEEN COMPLETED).**

**NAME:** Please see attached property owner table

**ADDRESS:** \_\_\_\_\_  
\_\_\_\_\_

**NAME:** \_\_\_\_\_

**ADDRESS:** \_\_\_\_\_  
\_\_\_\_\_

**NAME:** \_\_\_\_\_

**ADDRESS:** \_\_\_\_\_  
\_\_\_\_\_

**NAME:** \_\_\_\_\_

**ADDRESS:** \_\_\_\_\_  
\_\_\_\_\_

**1. NAME AND ADDRESS OF AT LEAST ONE ADULT RESIDING IN EACH RESIDENCE LOCATED UPON ANY ADJACENT PROPERTY AT THE TIME THE FLOODPLAIN PERMIT APPLICATION IS FILED AND THE NAME AND ADDRESS OF AT LEAST ONE ADULT RESIDING IN ANY HOME ON ANY PROPERTY THAT MAY BE AFFECTED BY FLOODING AS IS DEMONSTRATED BY A FLOODPLAIN STUDY OR SURVEY.**

**NAME:** N/A

**ADDRESS:** \_\_\_\_\_  
\_\_\_\_\_

**NAME:** \_\_\_\_\_

**ADDRESS:** \_\_\_\_\_  
\_\_\_\_\_

**NAME:** \_\_\_\_\_

**ADDRESS:** \_\_\_\_\_  
\_\_\_\_\_

**NAME:** \_\_\_\_\_

**ADDRESS:** \_\_\_\_\_  
\_\_\_\_\_

**E. CONFIRMATION FORM**

**THE APPLICANT ACKNOWLEDGES, AGREES, AND CONFIRMS THAT HE/IT WILL PAY WITHIN 30 DAYS OF RECEIPT OF INVOICE BY THE COUNTY FOR ALL EXPENSES RELATIVE TO THE PERMIT APPLICATION PROCESS GREATER THAN THE REQUIRED DEPOSIT FOR EXPENSES INCLUDING:**

- (A) PERSONAL SERVICE OF PROCESS BY THE DODDRIDGE COUNTY SHERIFF AT THE RATES PERMITTED BY LAW FOR SUCH SERVICE.
- (B) SERVICE BY CERTIFIED MAIL RETURN RECEIPT REQUESTED.
- (C) PUBLICATION.

**Property Owner Table - Doddridge County (McElroy Creek, Riggins Run & Unnamed Tributary to Riggins Run)  
Antero Midstream LLC - North Canton Pipeline to EQT Pipeline Project (North Canton Connector)**

Property Owner Name	Mailing Address	Floodplain Crossing	Parcel ID	Deed Book Reference	Land Book Description
<b>HOST PROPERTIES (INSIDE FLOODPLAIN)</b>					
Coffman Christopher L	HC 67 BOX 124 WEST UNION WV 26456	McElroy Creek	5-11-16	Book 214, Page 666	107.94 AC MCELROY TWO TRACTS ST. RT 23-ASHLEY
McClain John H	HC 67 BOX 125 WEST UNION WV 26456	McElroy Creek	5-11-25	Book 271, Page 33	MCELROY 34.6 AC 34 AC 96 PO ST.RT.23 ASHLEY
Gaspell Shawn A	RT 2 BOX 230 WEST UNION WV 26456	Riggins Run & Unnamed Tributary to Riggins Run	5-11-34	Book 271, Page 230	MCELROY 265.27 AC SIX TRS RT.5 RIGGINS RUN RD.
<b>PROPERTY OWNERS ABUTTING HOST PROPERTIES - INSIDE FLOODPLAIN</b>					
Cutright Nancy Jane Sees	135 MARIE ST PARKERSBURG WV 26104	McElroy Creek	5-11-15	Book 257, Page 598	MCELROY 37 AC STAR RT W UNION RT 23
Gaspell Mary L	RT 2 BOX 192 SALEM WV 26426	McElroy Creek	5-11-17	Will Book 33, Page 513	MCELROY 98.3 AC RT 23
Ash Robert M	2500 FAIRMONT AVE FAIRMONT WV 26554	McElroy Creek	5-11-18	Book 229, Page 178	MCELROY 35.42 AC ST.RT.23 ASHLEY
McClain John H	HC 67 BOX 125 WEST UNION WV 26456	McElroy Creek	5-11-26	Book 271, Page 33	MCELROY 24.33 AC ST. RT 23-ASHLEY
McClain John H	HC 67 BOX 125 WEST UNION WV 26456	McElroy Creek	5-11-26.1	Book 271, Page 33	MCELROY 23.1 AC ST.RT.23 ASHLEY
Zack Donald E Sr	HC 67 BOX 132 WEST UNION WV 26456	McElroy Creek	5-11-29	Book 279, Page 509	MCELROY 46.87 AC 46 AC 140 PO ST.RT.23
Gaspell Shawn A	RT 2 BOX 230 WEST UNION WV 26456	McElroy Creek	5-11-34	Book 271, Page 230	MCELROY 265.27 AC SIX TRS RT.5 RIGGINS RUN RD.
Cutright Nancy Jane Sees	135 MARIE ST PARKERSBURG WV 26104	Riggins Run & Unnamed Tributary to Riggins Run	5-11-14	Book 257, Page 600	MCELROY 150 AC INT O&G ST. RT.23 & RT.5
Cutright Nancy Jane Sees	135 MARIE ST PARKERSBURG WV 26104	Riggins Run & Unnamed Tributary to Riggins Run	5-11-15	Book 257, Page 598	MCELROY 37 AC STAR RT W UNION RT 23
Coffman Christopher L	HC 67 BOX 124 WEST UNION WV 26456	Riggins Run & Unnamed Tributary to Riggins Run	5-11-16	Book 214, Page 666	107.94 AC MCELROY TWO TRACTS ST. RT 23-ASHLEY
Ash Robert M	2500 FAIRMONT AVE FAIRMONT WV 26554	Riggins Run & Unnamed Tributary to Riggins Run	5-11-18	Book 229, Page 178	MCELROY 35.42 AC ST.RT.23 ASHLEY
Swiger Larry D	HC 67 BOX 121 WEST UNION WV 26456	Riggins Run & Unnamed Tributary to Riggins Run	5-11-24	Book 177, Page 259	MCELROY 90.83 AC ST.RT.23
McClain John H	HC 67 BOX 125 WEST UNION WV 26456	Riggins Run & Unnamed Tributary to Riggins Run	5-11-25	Book 271, Page 33	MCELROY 34.6 AC 34 AC 96 PO ST.RT.23 ASHLEY
Zack Donald E Sr	HC 67 BOX 132 WEST UNION WV 26456	Riggins Run & Unnamed Tributary to Riggins Run	5-11-29	Book 279, Page 509	MCELROY 46.87 AC 46 AC 140 PO ST.RT.23
Crawford Edison I	HC 67 BOX 122-A WEST UNION WV 26456	Riggins Run & Unnamed Tributary to Riggins Run	5-11-32	Book 251, Page 538	1.5 AC MCELROY CK ST. RT 23
Gaspell Mary Lee	RT 2 BOX 192 SALEM WV 26426	Riggins Run & Unnamed Tributary to Riggins Run	5-11-33	Will Book 33, Page 513	MCELROY 50 AC RT 23
Swiger Michael W & Jodi	RT 2 BOX 231 WEST UNION WV 26456	Riggins Run & Unnamed Tributary to Riggins Run	5-11-34.1	Book 261, Page 653	4.5 AC MCELROY RT 5
Bonnell Arnold Lee	RT 1 BOX 108 LUMBERPORT WV 26386	Riggins Run & Unnamed Tributary to Riggins Run	5-17-3.13	Will Book 38, Page 584	.93 RIGGINS RUN RT 5
Bonnell Arnold Lee	RT 1 BOX 108 LUMBERPORT WV 26386	Riggins Run & Unnamed Tributary to Riggins Run	5-17-3.7	Will Book 38, Page 584	RIGGINS RUN 60.71 AC RIGGINS RUN ROAD



- (D) COURT REPORTING SERVICES AT ANY HEARINGS REQUESTED BY THE APPLICANT.
- (E) CONSULTANTS AND/OR HEARING EXPERTS UTILIZED BY DODDRIDGE COUNTY FLOODPLAIN ADMINISTRATOR/MANAGER OR FLOODPLAIN APPEALS BOARD FOR REVIEW OF MATERIALS AND/OR TESTIMONY REGARDING THE EFFICACY OF GRANTING OR DENYING THE APPLICANT'S FLOODPLAIN PERMIT.

NAME (signature): W. McNeill

NAME (PRINT) Ward McNeill DATE: 4/23/14

After completing SECTION 2, APPLICANT should submit form to Floodplain Administrator/Manager or his/her representative for review.

**SECTION 3: FLOODPLAIN DETERMINATION (to be completed by Floodplain Administrator/Manager or his/her representative)**

**THE PROPOSED DEVELOPMENT:**

THE PROPOSED DEVELOPMENT IS LOCATED ON:

FIRM Panel: \_\_\_\_\_

Dated: \_\_\_\_\_

Is **NOT** located in a Specific Flood Hazard Area (Notify applicant that the application review is complete and **NO FLOODPLAIN DEVELOPMENT PERMIT IS REQUIRED**).

Is located in Special Flood Hazard Area.  
 FIRM zone designation \_\_\_\_\_  
 100-Year flood elevation is: \_\_\_\_\_ NGVD (MSL)

Unavailable

The proposed development is located in a floodway.  
 FBFM Panel No. \_\_\_\_\_ Dated \_\_\_\_\_

See section 4 for additional instructions.

SIGNED \_\_\_\_\_

DATE \_\_\_\_\_

**SECTION 4: ADDITIONAL INFORMATION REQUIRED (To be completed by Floodplain Administrator/Manager or his/her representative)**

The applicant must submit the documents checked below before the application can be processed.

- A plan showing the location of all existing structures, water bodies, adjacent roads, lot dimensions and proposed development.
- Development plans, drawn to scale, and specifications, including where applicable: details for anchoring structures, storage tanks, proposed elevation of lowest floor, (including basement or crawl space), types of water resistant materials used below the first floor, details of flood proffing of utilities located below the first floor and details of enclosures below the first floor. Also \_\_\_\_\_  
\_\_\_\_\_
- Subdivision or other development plans (If the subdivision or development exceeds 50 lots or 5 acres, whichever is the lesser, the applicant must provide 100-year flood elevations if they are not otherwise available).
- Plans showing the extent of watercourse relocation and/or landform alterations.
- Top of new fill elevation \_\_\_\_\_ Ft. NGVD (MSL).  
For floodproofing structures applicant must attach certification from registered engineer or architect.
- Certification from a registered engineer that the proposed activity in a regulatory floodway will not result in any increase in the height of the 100-year flood. A copy of all data and calculations supporting this finding must also be submitted.
- Manufactured homes located in a floodplain area must have a West Virginia Contractor's License and a Manufactured Home Installation License as required by the Federal Emergency Management Agency (FEMA).

Other:

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**SECTION 5: PERMIT DETERMINATION (To be completed by Floodplain Administrator/Manager or his/her representative)**

I have determined that the proposed activity (type is or is not) in conformance with provisions of the Floodplain Ordinance adopted by the County Commission of Doddridge County on May 21, 2013. The permit is issued subject to the conditions attached to and made part of this permit.

SIGNED \_\_\_\_\_ DATE \_\_\_\_\_

If the Floodplain Administrator/Manager found that the above was not in conformance with the provisions of the Doddridge County Floodplain Ordinance and/or denied that application, the applicant may complete an appealing process below.

APPEALS: Appealed to the County Commission of Doddridge County?  Yes  No  
Hearing Date: \_\_\_\_\_  
County Commission Decision - Approved  Yes  No

CONDITIONS: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**SECTION 6: AS-BUILT ELEVATIONS (To be submitted by APPLICANT before Certificate of Compliance is issued).**

The following information must be provided for project structures. This section must be completed by a registered professional engineer or a licensed land surveyor (or attach a certification to this application).

COMPLETE 1 OR 2 BELOW:

- 1 Actual (As-Built) Elevation of the top of the lowest floor (including basement or crawl space is \_\_\_\_\_ FT. NGVD (MSL)
- 2 Actual (As Built) elevation of floodproofing is \_\_\_\_\_ FT. NGVD (MSL)

**Note:** Any work performed prior to submittal of the above information is at risk of the applicant.

**SECTION 7: COMPLIANCE ACTION (To be completed by the Floodplain Administrator/Manager or his/her representative).**

The Floodplain Administrator/Manager or his/her representative will complete this section as applicable based on inspection of the project to ensure compliance with the Doddridge County Floodplain Ordinance.

**INSPECTIONS:**

DATE: \_\_\_\_\_ BY: \_\_\_\_\_  
DEFICIENCIES ? Y/N

COMMENTS \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**SECTION 8: CERTIFICATE OF COMPLIANCE (To be completed by Floodplain Administrator/Manager or his/her representative).**

Certificate of Compliance issued: DATE: \_\_\_\_\_ BY: \_\_\_\_\_

**CERTIFICATE OF COMPLIANCE  
FOR DEVELOPMENT IN SPECIAL FLOOD HAZARD AREA  
(OWNER MUST RETAIN)**

**PERMIT NUMBER:** \_\_\_\_\_

**PERMIT DATE:** \_\_\_\_\_

**PURPOSE –**

**CONSTRUCTION LOCATION:** \_\_\_\_\_

**OWNER'S ADDRESS:** \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**THE FOLLOWING MUST BE COMPLETED BY THE FLOODPLAIN  
ADMINISTRATOR/MANAGER OR HIS/HER AGENT.**

**COMPLIANCE IS HEREBY CERTIFIED WITH THE REQUIREMENT OF THE  
FLOODPLAIN ORDINANCE ADOPTED BY THE COUNTY COMMISSION OF  
DODDRIDGE COUNTY ON MAY 21, 2013.**

**SIGNED** \_\_\_\_\_ **DATE** \_\_\_\_\_

**BID SHEET**

**NORTH CANTON PIPELINE TO EQT PIPELINE PROJECT (NORTH CANTON CONNECTOR)**

**ANTERO MIDSTREAM LLC**

**McElroy Creek Floodplain Crossing**

Item	Pipeline Size & Type	Units	Quantity	Unit Cost	Total
Open Cut (Buried) Line Install & Reclamation	20" gas line	Feet	140	\$195.00	\$27,300.00
HDD Line Through Floodplain (Excludes Road Crossing)	20" gas line	Feet	397	\$600.00	\$238,200.00
HDD (Road Crossing)	20" gas line	Feet	60	\$600.00	\$36,000.00
Bore (Road Crossing)		Feet		\$350.00	\$0.00
Open Cut Road Crossing		Each		\$4,000.00	\$0.00
Air Bridge Stream Crossings		Each		\$1,500.00	\$0.00
E&S for Stream Crossings	20" gas line	Each	1	\$160.00	\$160.00
Super Silt Fence		Feet		\$10.00	\$0.00
Stabilized Construction Entrances	20" gas line	Each	1	\$1,500.00	\$1,500.00
<b>Total Crossing Cost</b>					<b>\$303,160.00</b>

**Riggins Run Floodplain Crossing**

Item	Pipeline Size & Type	Units	Quantity	Unit Cost	Total
Open Cut (Buried) Line Install & Reclamation	16" gas line	Feet	374	\$195.00	\$72,930.00
Open Cut (Buried) Line Install & Reclamation	20" gas line	Feet	374	\$195.00	\$72,930.00
HDD Line Through Floodplain (Excludes Road Crossing)		Feet		\$600.00	\$0.00
HDD (Road Crossing)		Feet		\$600.00	\$0.00
Bore (Road Crossing)		Feet		\$350.00	\$0.00
Open Cut Road Crossing		Each		\$4,000.00	\$0.00
Air Bridge Stream Crossings	16" & 20" gas lines	Each	1	\$1,500.00	\$1,500.00
E&S for Stream Crossings	16" & 20" gas lines	Each	1	\$160.00	\$160.00
Super Silt Fence		Feet		\$10.00	\$0.00
Stabilized Construction Entrances		Each		\$1,500.00	\$0.00
<b>Total Crossing Cost</b>					<b>\$147,520.00</b>

**UNT Riggins Run Floodplain Crossing**

Item	Pipeline Size & Type	Units	Quantity	Unit Cost	Total
Open Cut (Buried) Line Install & Reclamation	16" gas line	Feet	386	\$195.00	\$72,930.00
Open Cut (Buried) Line Install & Reclamation	20" gas line	Feet	386	\$195.00	\$72,930.00
HDD Line Through Floodplain (Excludes Road Crossing)		Feet		\$600.00	\$0.00
HDD (Road Crossing)		Feet		\$600.00	\$0.00
Bore (Road Crossing)		Feet		\$350.00	\$0.00
Open Cut Road Crossing		Each		\$4,000.00	\$0.00
Air Bridge Stream Crossings	16" & 20" gas lines	Each	1	\$1,500.00	\$1,500.00
E&S for Stream Crossings	16" & 20" gas lines	Each	1	\$160.00	\$160.00
Super Silt Fence		Feet		\$10.00	\$0.00
Stabilized Construction Entrances		Each		\$1,500.00	\$0.00
<b>Total Crossing Cost</b>					<b>\$147,520.00</b>

**Total Doddridge County Floodplain Crossing Costs**

**\$598,200.00**



Edwin Wriston <doddridgecountyfpm@gmail.com>

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**project status**

1 message

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**Emily Kijowski** <ekijowski@anteroresources.com>

Mon, Jul 14, 2014 at 4:29 PM

To: "doddridgecountyfpm@gmail.com" <doddridgecountyfpm@gmail.com>

Cc: "blslater.4774@yahoo.com" <blslater.4774@yahoo.com>, Ashlie Mihalcin <amihalcin@anteroresources.com>

Hi Bo,

I wanted to follow up with you about the status of the three projects we have in the floodplain.

**North Canton Connector**-we are waiting on the following permits:

Army Core of Engineers, and

WV Division of Highways.

**Diane Davis Pipeline**- we are waiting on one last permit from WV Division of Highways.

**Arnold's Creek Withdrawal**-we have received all necessary permits:

Water Management Plan, and

WV Division of Natural Resources Office of Land and Streams.

I have attached all permits we have received back, I will send the last remaining few as we obtain them. Please let me know if you need anything else to sign off on our FP permits.

Thank you,

**Emily Kijowski**

*Flood Plain Permitting*

*Antero Resources Corporation*

1615 Wynkoop Street

Denver, CO 80202



# United States Department of the Interior



## FISH AND WILDLIFE SERVICE

West Virginia Field Office  
694 Beverly Pike  
Elkins, West Virginia 26241

### Concurrence Form for Freshwater Mussel Survey Plans

Contact Name: Casey D. Swecker, Aquatic Scientist/Project Manager

Email Address or Fax Number: CSwecker@EnvironmentalSI.com

Project: North Canton Connector Project Crossing, Doddridge Co., WV

The U.S. Fish and Wildlife Service has reviewed the survey plan you submitted on 4/22/14 and we concur with the proposed survey methods. You propose surveys on McElroy Creek within a stream reach that could contain federally endangered freshwater mussels.

Should any federally listed freshwater mussels be located during this survey, you should immediately contact this office to determine if additional survey efforts should be completed and further discuss avoidance and minimization measures that could be implemented. This additional information will assist the Service and your client(s) in any consultations conducted under section 7 of the Endangered Species Act of 1973 (87 Stat. 884, as amended; 16 U. S. C. 1531 *et seq.*). Please note that relocation of federally listed mussels is not authorized.

We request that the following be provided in the final survey reports:

- 1) Name, permit number, and location (latitude, longitude) of the proposed project;
- 2) A map with the project boundary and survey boundary indicated;
- 3) A description of the results of the survey effort, including the species of mussels located, the number of individuals of each species, and the location of any federally listed mussels;
- 4) The dates that the surveys were conducted, and a description of the habitat conditions found during the survey effort, including visibility, substrate types, water temperatures and depths;
- 5) Photographs of species located and the survey area;
- 6) Copies of field data sheets; and
- 7) Any additional information that may be relevant.

Please be aware that these survey activities require a valid West Virginia Scientific Collectors Permit, which can be acquired from the West Virginia Division of Natural Resources, Elkins Operation Center, Ward Road, Elkins, West Virginia 26241 (contact Barbara Sargent at 304-637-0245). Please provide a copy of your valid permit with your final report. **All federally listed species captured must be reported to the U.S. Fish and Wildlife Service, West Virginia Field Office, within 5 business days.** If you have questions regarding this finding or report requirements, please contact our office at (304) 636-6586 or at the letterhead address.

Tierron Hennow

Biologist

Date: 5/5/14

John E. Schmidt

John E. Schmidt, Field Supervisor

Date: 5/7/14





**DIVISION OF NATURAL RESOURCES**  
**Wildlife Resources Section**  
**Operations Center**  
**P.O. Box 67**  
**Eikins, West Virginia 26241-3235**  
**Telephone (304) 637-0245**  
**Fax (304) 637-0250**

**Earl Ray Tomblin**  
*Governor*

**Frank Jezioro**  
*Director*

February 25, 2014

Mr. Brett F. Fletcher  
Antero Resources Corporation  
1625 17<sup>th</sup> Street, Suite 300  
Denver, CO 80202

Dear Mr. Fletcher:

We have reviewed our files for information on rare, threatened and endangered (RTE) species and sensitive habitats for the area of the proposed North Canton Pipeline to EQT Pipeline (North Canton Connector) project in Doddridge and Tyler counties, WV.

We have no known records of any RTE species or sensitive habitats within the project area. Although horizontal directional drilling will be used for the McElroy Creek crossing, coordination with the US Fish and Wildlife Service is required since this is an endangered mussel stream. The Wildlife Resources Section knows of no surveys that have been conducted in the area for rare species or rare species habitat. Consequently, this response is based on information currently available and should not be considered a comprehensive survey of the area under review.

The information provided above is the product of a database search and retrieval. This information does not satisfy other consultation or permitting requirements for disturbances to the natural resources of the state, and further consultation may be required. Additionally, any concurrence requirements for federally listed species must come from the US Fish and Wildlife Service.

Thank you for your inquiry, and should you have any questions please feel free to contact me at the above number, extension 2048. Enclosed please find an invoice.

Sincerely,

  
Barbara Sargent  
Environmental Resources Specialist  
Wildlife Diversity Unit

enclosure

cc: Heather S. Krepsik - Kleinfelder

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**DIVISION OF NATURAL RESOURCES**  
Wildlife Resources Section  
Operations Center  
P.O. Box 67  
Elkins, West Virginia 26241-3235  
Telephone (304) 637-0245  
Fax (304) 637-0250

Earl Ray Tomblin  
Governor

Frank Jezioro  
Director

February 25, 2014

Mr. Brett F. Fletcher  
Antero Resources Corporation  
1625 17<sup>th</sup> Street, Suite 300  
Denver, CO 80202

Dear Mr. Fletcher:


We have reviewed our files for information on rare, threatened and endangered (RTE) species and sensitive habitats for the area of the proposed North Canton Pipeline to EQT Pipeline (North Canton Connector) project in Doddridge and Tyler counties, WV.

We have no known records of any RTE species or sensitive habitats within the project area. Although horizontal directional drilling will be used for the McElroy Creek crossing, coordination with the US Fish and Wildlife Service is required since this is an endangered mussel stream. The Wildlife Resources Section knows of no surveys that have been conducted in the area for rare species or rare species habitat. Consequently, this response is based on information currently available and should not be considered a comprehensive survey of the area under review.

The information provided above is the product of a database search and retrieval. This information does not satisfy other consultation or permitting requirements for disturbances to the natural resources of the state, and further consultation may be required. Additionally, any concurrence requirements for federally listed species must come from the US Fish and Wildlife Service.

Thank you for your inquiry, and should you have any questions please feel free to contact me at the above number, extension 2048. Enclosed please find an invoice.

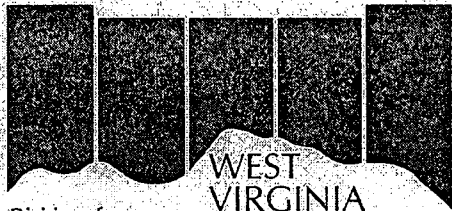
Sincerely,

  
Barbara Sargent  
Environmental Resources Specialist  
Wildlife Diversity Unit

enclosure

cc: Heather S. Krepsik - Kleinfelder

S:\Monthly\Barb\Invoices\Antero3.doc



Division of **Culture and History**

May 22, 2014

**The Culture Center**  
1900 Kanawha Blvd., E.  
Charleston, WV 25305-0300

**Randall Reid-Smith, Commissioner**

Phone 304.558.0220 • www.wvculture.org  
Fax 304.558.2779 • TDD 304.558.3562

EEO/AA Employer

Mr. Luke Erickson  
Archaeology Project Manager/Principal Investigator  
Environment & Archaeology  
221 Main Street  
Florence, KY 41042

RE: North Canton Pipeline to EQT Pipeline (North Canton Connector) Project  
FR#: 14-669-Multi

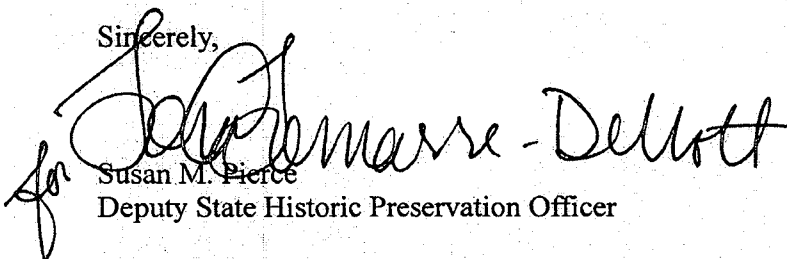
Dear Mr. Erickson:

We have reviewed the abbreviated Phase I archaeological survey report that was submitted for the above referenced project. As required by Section 106 of the National Historic Preservation Act, as amended, and its implementing regulations, 36 CFR 800: "Protection of Historic Properties," we submit our comments.

According to the submitted information, Antero Resources Corporation proposes to construct approximately 8.06 miles of new natural gas pipelines on upland landforms located in Doddridge and Tyler Counties, WV. It is our understanding that no permanent above ground project components are proposed for construction as part of this project. According to the report, systematic survey was conducted within the Area of Potential Effect (APE), which consists of terrain in the Limits of Disturbance within 100 feet of the margins of US Army Corps of Engineers jurisdictional waters. A total of fifteen permit areas were investigated during the survey via pedestrian reconnaissance and shovel probe excavation. Steep terrain was observed over much of the proposed permit area. In areas where shovel probes could be excavated, intact soils were encountered but no archaeological resources were discovered. In our opinion, no historic properties are present within the APE. We concur that no further cultural resource work is necessary within the APE. However, if intact cultural resources, including cemeteries, are encountered while the pipeline is being constructed, please cease all activity in the area of discovery and contact this office immediately.

We appreciate the opportunity to be of service. *If you have questions regarding our comments or the Section 106 process, please contact Lora A Lamarre-DeMott, Senior Archaeologist, at (304) 558-0240.*

Sincerely,

  
Susan M. Pierce  
Deputy State Historic Preservation Officer

SMP/LLD



Edwin Wriston &lt;doddridgecountyfpm@gmail.com&gt;

---

**North Canton Connector Pipeline Permits**

2 messages

**Emily Kijowski** <ekijowski@anteroresources.com>

Thu, Jul 24, 2014 at 12:51 PM

To: "doddridgecountyfpm@gmail.com" &lt;doddridgecountyfpm@gmail.com&gt;, "blslater.4774@yahoo.com" &lt;blslater.4774@yahoo.com&gt;

Cc: Ashlie Mihalcin &lt;amihalcin@anteroresources.com&gt;, Patricia Kazimier &lt;pkazimier@anteroresources.com&gt;

Hi Bo,

We received the rest of the agency permits for the North Canton Connector Pipeline project, please see attached. I attached the permits I previously sent as well for your convenience.

Thank you,

**Emily Kijowski***Flood Plain Permitting**Antero Resources Corporation*







1615 Wynkoop Street








Denver, CO 80202

Office: (303)-357-7232

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**13 attachments**

-  **2014-03-07 NCC\_USFWS Clearance.pdf**  
599K
-  **2014-03-25 NCC\_WVDNR Clearance\_Amendment.pdf**  
259K
-  **2014-04-02 NCC\_USFWS Clearance\_Amendment.pdf**  
827K
-  **2014-05-22\_NCC\_WVDCH Clearance.pdf**  
1293K
-  **2014-05-28 NCC\_Tyler County\_ROE Permit\_MattingPallets.pdf**  
282K
-  **2014-05-28 NCC\_Tyler County\_ROE Permit\_Pipeline.pdf**  
740K

-  **2014-06-04 NCC\_SWPPP Approval\_WVR310279.pdf**  
98K
-  **2014-07-01 NCC\_ROE Permit\_Doddridge\_Pipeline.pdf**  
5258K
-  **2014-07-11 NCC\_ROE Permit\_Doddridge\_MattingPallets.pdf**  
148K
-  **2014-07-18 NCC\_USACE\_NWP Authorization.pdf**  
708K
-  **2014-07-23 NCC\_ROE Permit\_Access Road.pdf**  
113K
-  **North Canton Connector\_DNR\_RTE Permit.pdf**  
553K
-  **North Canton Connector\_USFWS\_Permit.pdf**  
740K

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**Edwin Wriston** <doddridgecountyfpm@gmail.com>  
To: Emily Kijowski <ekijowski@anteroresources.com>

Tue, Jul 29, 2014 at 4:16 PM

Emily,

I am out of the office this week attending class so I cannot get you a full permit printed and laminated, however, please accept this email as notification of approval for the referenced project, effective immediately.

Once I am back in the office I will print off all the attached to be included with your file and issue a full permit.

Should you have any further questions, please do not hesitate to contact me at your convenience.

Respectfully,

[Quoted text hidden]

--

Edwin L. "Bo" Wriston, Floodplain Manager  
Doddridge County Commission  
118 East Court Street  
West Union, WV 26456  
Work Phone: 1-304-873-2631  
Mobile Phone: 1-304-629-3735  
Fax: 1-304-873-1840  
doddridgecountyfpm@gmail.com  
www.doddridgecounty.wv.gov

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CONFIDENTIALITY NOTE: This email message is for the sole use of the intended recipient(s) and may contain confidential, privileged, or sensitive information. Any unauthorized review, use, disclosure, or distribution is strictly prohibited and may be legally accountable.



# United States Department of the Interior

## FISH AND WILDLIFE SERVICE

West Virginia Field Office  
694 Beverly Pike  
Elkins, West Virginia 26241



March 7, 2014

Ms. Heather Krepsik  
Kleinfelder  
230 Executive Drive  
Cranberry Township, Pennsylvania 16066

Re: Antero Resources Corporation, North Canton to EQT Pipeline Project, Doddridge and Tyler Counties, West Virginia

Dear Ms. Krepsik:

This responds to your request of February 11, 2014, for information regarding the potential occurrence of federally listed endangered and threatened species and their designated critical habitats. Antero Resources Corporation (Antero) proposes to construct the North Canton to EQT pipeline project in Doddridge and Tyler Counties, West Virginia. These comments are provided pursuant to the Endangered Species Act (ESA, 87 Stat. 884, as amended; 16 U.S.C. 1531 *et seq.*).

The U.S. Fish and Wildlife Service (Service) has determined that two federally listed endangered species are known to occur within the proposed project area, and may be affected by the construction and operation of the proposed project. These are the Indiana bat (*Myotis sodalis*) and the snuffbox mussel (*Epioblasma triquetra*). Information to avoid impacts to these species is provided below.

Additionally, on October 2, 2013, in the *Federal Register* (78 FR 61045 -61080) the Service proposed the northern long eared bat (*Myotis septentrionalis*) for listing under the ESA. A final listing determination is anticipated within one year of the proposal. If a decision is made to list this species, potential impacts from this project to this species will need to be addressed if this project is not completed by the time the listing takes effect. We encourage you to begin incorporating conservation measures to protect these species prior to any potential final listing decisions. Additional information regarding the northern long eared bat and conference procedures can be found at the following address:

<http://www.fws.gov/midwest/endangered/mammals/nlba/pdf/NLEBinterimGuidance6Jan2014.pdf>

Ms. Heather Krepsik  
March 7, 2014

2

### Indiana Bat

The project area is within the range of the Indiana bat and may provide summer foraging and roosting habitats, as well as winter habitat, for this endangered mammal. Indiana bats use caves or mine portals for winter hibernation habitat between November 15 and March 31. Indiana bats may use the proposed site for foraging and roosting between April 1 and November 14. Indiana bat foraging habitat is generally defined as riparian, bottomland, or upland forest, as well as old fields or pastures with scattered trees. Roosting and maternity habitats consist primarily of live or dead hardwood trees which have exfoliating bark that provides space for bats to roost between the bark and the bole of the tree. Tree cavities, crevices, splits, or hollow portions of tree boles and limbs also provide roost sites. In West Virginia, the Service considers all forest habitats containing trees greater than or equal to 5 inches in diameter at breast height to be potentially suitable as summer roosting and foraging habitat for the Indiana bat.

Based on radio-telemetry data, the Service presumes that Indiana bats are present in areas within 5 miles of hibernacula, 5 miles of summer capture sites with no known maternity roosts, and 2.5 miles of maternity roosts. The proposed project is not within any of these buffer zones.

In your February 11, 2014, correspondence, you stated that Antero will clear all project-related timber when bats are in hibernation (November 15 through March 31) to avoid direct impacts to Indiana bats and that no caves or portals exist within the proposed project boundary. An estimated 93.85 acres of forest area would be cleared for the project, which would leave approximately 2,406.18 acres or 87.5 percent of forested habitat within the ¼-mile buffer area after project clearing has been completed. The total number of acres in the buffer area is 2,750. The results of this analysis show that there will be sufficient forested habitat remaining on the landscape post-construction to support Indiana bats.

### Freshwater Mussels

The proposed project proposes to cross McElroy Creek which provides habitat for the snuffbox mussel, which is listed as endangered under the ESA. Freshwater mussels, like the snuffbox, feed by filtering food particles from the water column. Juvenile and adult freshwater mussels have been documented to feed on detritus, diatoms, phytoplankton, and zooplankton. Freshwater mussels rely on fish to complete their life histories. When mussel larvae (glochidia) are released into the water by adult females, they must attach themselves within a few days to an appropriate fish host, which they then parasitize for a short time while developing into juvenile mussels. The loss of many historic populations was likely due to the impacts of impoundments, navigation projects, water quality degradation from agricultural and industrial wastes, deforestation and other forms of habitat alteration, including gravel and sand dredging. Impacts that directly affected the species also include reduction or elimination of fish hosts.

Ms. Heather Krepsik  
March 7, 2014

3

The project proposes to cross McElroy Creek by horizontal directional drill (HDD). This method will allow the pipeline to be placed under the stream without direct affects to the waterway. The HDD method uses bentonite clay in its pressurized drilling that, on occasion, can result in a frac-out that releases bentonite clay into waterways.

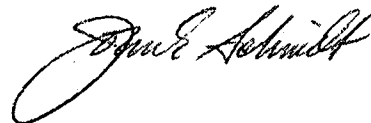
In your February 11, 2014, correspondence, you stated your client's commitment to the following measures that will be followed in the event of a frac-out that could cause the sudden release of bentonite clay substrate into waterways:

1. Agencies will be contacted within 24 hours of the event.
2. Clean up of all spills will begin immediately.
3. Secondary containment measures including silt fence, sand bags, turbidity curtains, water pumps, and other BMPs will be installed.
4. A mussel investigation will promptly begin, as necessary.

In the event of a frac-out, the Service believes that implementation of the measures outlined above will minimize, to the extent practicable, the likelihood of adverse impacts to McElroy Creek and the snuffbox mussel. This office should be notified immediately if any deviations from the submitted plans are anticipated, or if a frac-out occurs during construction of the project.

As a result of this information, the Service has concluded that the project may affect, but is not likely to adversely affect any federally listed endangered and threatened species. No biological assessment or further section 7 consultation under the ESA is required with the Service. Should project plans change or amendments be proposed that we have not considered in your proposed action, or if additional information on listed and proposed species becomes available, or if new species become listed or critical habitat is designated, this determination may be reconsidered. If you have any questions regarding this letter, please contact Liz Stout of my staff at (304) 636-6586, Ext. 15, or [elizabeth\\_stout@fws.gov](mailto:elizabeth_stout@fws.gov), or at the letterhead address.

Sincerely,



John E. Schmidt  
Field Supervisor





**DIVISION OF NATURAL RESOURCES**  
**Wildlife Resources Section**  
**Operations Center**  
**P.O. Box 67**  
**Elkins, West Virginia 26241-3235**  
**Telephone (304) 637-0245**  
**Fax (304) 637-0250**

**Earl Ray Tomblin**  
*Governor*

**Frank Jezioro**  
*Director*

March 25, 2014

Ms. Heather Krepsik  
Kleinfelder  
230 Executive Drive, Suite 122  
Cranberry Township, PA 16066

Dear Ms. Krepsik:

We have reviewed our files for information on rare, threatened and endangered (RTE) species and sensitive habitats for the area of the proposed North Canton Pipeline to EQT Pipeline (North Canton Connector) re-route project in Doddridge and Tyler counties, WV.

We have no known records of any RTE species or sensitive habitats within the re-route area. The Wildlife Resources Section knows of no surveys that have been conducted in the area for rare species or rare species habitat. Consequently, this response is based on information currently available and should not be considered a comprehensive survey of the area under review.

The information provided above is the product of a database search and retrieval. This information does not satisfy other consultation or permitting requirements for disturbances to the natural resources of the state, and further consultation may be required. Additionally, any concurrence requirements for federally listed species must come from the US Fish and Wildlife Service.

Thank you for your inquiry, and should you have any questions please feel free to contact me at the above number, extension 2048. Enclosed please find an invoice.

Sincerely,

A handwritten signature in black ink, appearing to read "Barbara Sargent", is written over the typed name.

**Barbara Sargent**  
**Environmental Resources Specialist**  
**Wildlife Diversity Unit**

enclosure

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## Heather Krepsik

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**From:** Stout, Elizabeth <elizabeth\_stout@fws.gov>  
**Sent:** Wednesday, April 02, 2014 2:29 PM  
**To:** Heather Krepsik  
**Subject:** North Canton to EQT Pipeline

Heather,

The project may proceed under the previous clearance with the noted updates from your March, 20, 2014, correspondence.

I was out at that site yesterday...that slipping hillside does not look good!!

--

### **Liz Stout**

Fish and Wildlife Biologist; GIS Technician  
U.S. Fish and Wildlife Service  
West Virginia Field Office  
694 Beverly Pike  
Elkins, WV 26241  
(304) 636 6586 x15  
<http://www.fws.gov/westvirginiafieldoffice/index.html>

*\*\*Due to an imposed hiring freeze and the inability to back fill positions, we are significantly delayed in our project review times and response times to phone calls and emails. Please be patient; we will address projects in the order in which they are received.\*\**



**DIVISION OF NATURAL RESOURCES**

324 4th Avenue, Room 342  
South Charleston, WV 25303-1228  
Telephone (304) 558-2754  
Fax (304) 558-2768  
TDD (304) 558-1439  
TDD (800) 354-6087

**Earl Ray Tomblin**  
*Governor*

**Frank Jezloro**  
*Director*

May 28, 2014

Division of Natural Resources  
**RIGHT OF ENTRY**

**Re: LS-14-VI/48-668**

Antero Resources Corporation,  
Brett Fletcher  
c/o Kleinfelder East, Inc.  
Attention: Heather Krepsik  
230 Executive Drive, Suite 122  
Cranberry Township, PA 16066-

Dear Mr. Fletcher:

The Division of Natural Resources hereby grants to you for a period of ten (10) years from the date hereof, a Right of Entry to install, use and maintain a matting and pallets crossing (North Canton Pipeline to EQT Pipeline (North Canton Connector) Project) along an unnamed tributary of Davis Run near Shirley in Tyler County, West Virginia.

This Right of Entry is subject to the following terms and conditions:

1. No in stream work during the fish-spawning season (April 1-June 30).
2. Work should be completed as quickly as possible during low flows in designated work areas only.
3. Any streambed disturbance should be restricted to the immediate area. In stream use of equipment should be kept to a minimum.
4. All shore areas disturbed by this operation must be reshaped, seeded and mulched immediately upon completion of work. The prompt establishment of vegetative cover will reduce future damage from high water levels.
5. Green concrete must not be put in the stream (highly toxic to aquatic life).
6. Guidance should be obtained from NRCS (formerly SCS) and a registered engineer for the design and construction. Must allow for passage of at least ten-year year flood flow.
7. Best management practices should be followed; measures such as hay bales must be used to reduce downstream siltation.

May 28, 2014

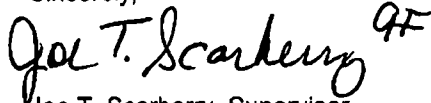
8. Applicant is responsible for removing debris from in and around the installation periodically to prevent stream flow obstruction.
9. Durable head walls of logs, crossties, rock, or concrete shall be constructed at both the upstream and downstream ends of crossing to prevent erosion of fill material into the stream.
10. The State's issuance of this Right-of-Entry does not provide for the applicant to work outside the requested boundaries nor does the State assume any liability for the applicant's/landowner's construction activities. By accepting this Right-of-Entry, the applicant/landowner assumes liability for any/all damages caused by this activity to both upstream and downstream landowners.

Guidelines of Best Management Practices for Sediment and Erosion Control as outlined by the Section of Water Resources, Division of Environmental Protection must be followed. Copies of those guidelines are available from the Section of Water Resources, Telephone No. (304) 926-0440.

The issuance of this Right of Entry by the Division of Natural Resources does not preclude the necessity for you to obtain a permit from the U.S. Corps of Engineers District Office, Permit Section, or any other state or federal permits which may be required by law, nor does this Right of Entry negate the need to comply with the West Virginia Water Pollution Control Act and/or the State Environmental Quality Board's administrative regulations, applicant is also responsible for determining if the proposed activity is located within an identified flood plain and it is the applicant's responsibility for contacting the local governmental agency in charge of that program and obtaining a flood plain development permit for it. This Right of Entry does not grant any rights or privileges, or permission to enter upon or to cross the property of any other person, nor is permission granted to remove any material that lies upon the property of any other persons. Work should be completed in as brief a period as possible and within one year from the date of this letter. In the event you fail or refuse to comply with any of the terms or conditions herein, this Right of Entry will be canceled and considered null and void and the Division will reject further applications.

Your payment in the amount of \$100.00 is now due and payable to the Division of Natural Resources covering the first year's annual fee of this agreement. You must notify the Division in writing with this installation has been removed. Your agreement will be effective upon receipt of your payment in full.

Sincerely,



Joe T. Scarberry, Supervisor  
Office of Land and Streams

JTS:cb

pc: DNR Fish Biologist  
Mr. Mike Zeto, Environmental Enforcement  
DNR Conservation Officers



**DIVISION OF NATURAL RESOURCES**

324 4th Avenue, Room 342  
South Charleston, WV 25303-1228  
Telephone (304) 558-2754  
Fax (304) 558-2768  
TDD (304) 558-1439  
TDD (800) 354-6087

Earl Ray Tomblin  
Governor

Frank Jezioro  
Director

May 28, 2014

Division of Natural Resources  
**LICENSE AND RIGHT OF ENTRY**

Re: P-14-VI/48-667

Antero Resources Corporation,  
Brett Fletcher  
c/o Kleinfelder East, Inc.  
Attention: Heather Krepsik  
230 Executive Drive, Suite 122  
Cranberry Township, PA 16066-

Dear Mr. Fletcher:

The Division of Natural Resources hereby grants to you for a term of 10 years, from the date hereof, a License and Right of Entry to construct, replace, cover, repair, operate, maintain, use and remove a twenty inch (20") steel natural gas pipeline (North Canton Pipeline to EQT Pipeline (North Canton Connector) Project) along an unnamed tributary of Davis Run, McElroy District, Tyler County, West Virginia, as shown located and highlighted in red on the map attached hereto as Exhibit A.

This License and Right of Entry is subject to the following terms and conditions:

**High Quality Streams (HQS)** as listed in the West Virginia Division of Natural Resources High Quality Stream Sixth Edition published in 2001 and for any trout streams and direct tributaries of trout streams:

- Directional boring is the only method permitted during the fish spawning season. Fish spawning season for warmwater streams runs from April 1<sup>st</sup> through June 30<sup>th</sup>. Trout spawning season runs from October 1<sup>st</sup> through April 30<sup>th</sup>.
- Other dry ditch methods (pump around, flume or cofferdam) as described in WVDEP water resources manual (published 2006) on page 3.21-4 may be used outside of spawning seasons.
- Each crossing that utilizes dry ditch methods must be completed in 2 consecutive work days.

**Non-high quality stream:**

- Directional boring or other dry ditch methods (pump around, flume or cofferdam) as described in WVDEP water resources manual (published 2006) on page 3.21-4 may be used at all times during fish spawning season from April 1<sup>st</sup> through June 30<sup>th</sup>. This eliminates the need for spawning season restrictions.
- Crossings using methods other than directional boring. Must be completed in 1 work day.

Antero Resources Corporation  
P-14-VI/48-667  
Page 2  
May 28, 2014

- Only ephemeral/intermittent streams that are dry can be trenched.

**Bank Stabilization**

All bank stabilization projects must begin immediately upon completion of utility line crossing and be completed within 24 hours of completion of utility line crossing.

**Freshwater Mussels**

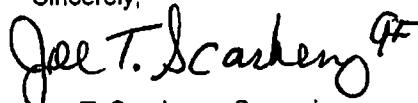
Mussel surveys on streams with known US Fish and Wildlife listed or candidate endangered species will be required if directional boring is not an option. Contact Janet Clayton of the WVDNR Wildlife Diversity Program for information concerning mussels at 304-637-0245.

For further assistance, contact the appropriate WVDNR District Fisheries Biologist.  
District 1 304-825-6787 District 2 304-822-3551 District 3 304-924-6211  
District 4 304-256-6947 District 5 304-675-0871 District 6 304-420-4550

The issuance of this License and Right of Entry by the Division of Natural Resources does not preclude the necessity to obtain a permit from the Corps of Engineers or any other state or federal permits which may be required by law, nor does this License and Right of Entry negate the need to comply with the West Virginia Water Pollution Control Act and/or the State Environmental Quality Board's administrative regulations, applicant is also responsible for determining if the proposed activity is located within an identified flood plain and it is the applicant's responsibility for contacting the local governmental agency in charge of that program and obtaining a flood plain development permit for it. This License and Right of Entry does not grant any rights or privileges, or permission to enter upon or to cross the property of any other person, nor is permission granted to remove any material that lies upon the property of any other persons. Work should be completed in as brief a period as possible and within one year from the date of this letter. In the event you fail or refuse to comply with any of the terms or conditions herein, this License and Right of Entry will be canceled and considered null and void and the Division will reject further applications.

Your check in the amount of \$275.00 is now due and payable to the Division of Natural Resources covering the (10) ten-year fee of this agreement. Your agreement will be effective upon receipt of your payment in full.

Sincerely,



Joe T. Scarberry, Supervisor  
Office of Land and Streams

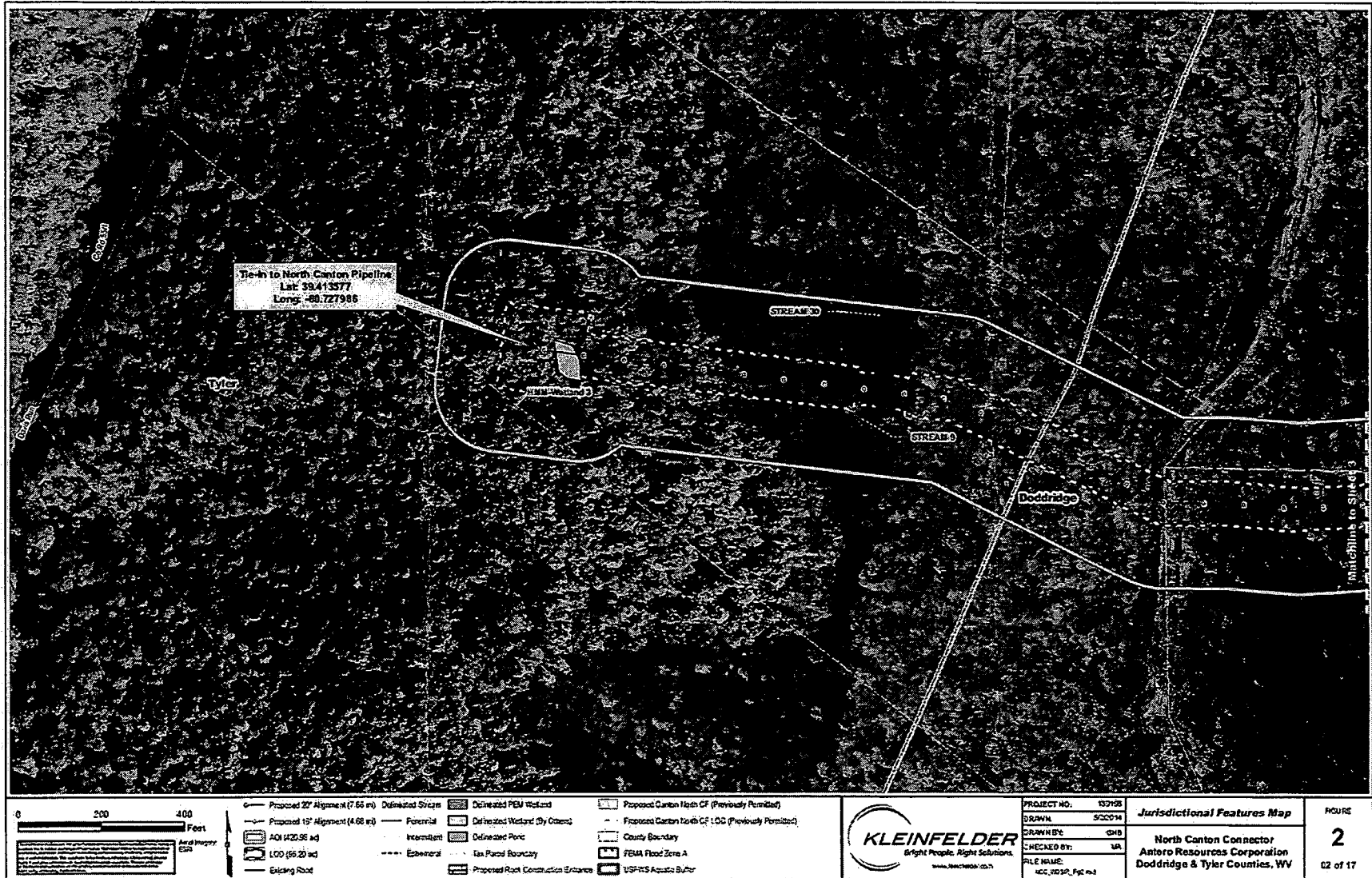
JTS:cb

attachment

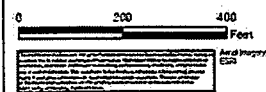
pc: DNR Fish Biologist  
Mr. Mike Zeto, Environmental Enforcement  
DNR Conservation Officers

Exhibit A

P-14-VI/48-667



Tie-in to North Canton Pipeline  
 Lat: 39.413377  
 Long: -80.727986



- |                                 |                                     |                              |   |
|---------------------------------|-------------------------------------|------------------------------|---|
| Proposed 20' Alignment (7.66 m) | Delimited Strips                    | Delimited PEM Wetland        | Proposed Canton North CF (Previously Permitted)     |
| Proposed 15' Alignment (4.68 m) | Potential                           | Delimited Wetland (By Owner) | Proposed Canton North CF LOD (Previously Permitted) |
| AQI (426.96 ad)                 | Intermittent                        | Delimited Pond               | County Boundary                                     |
| LOD (55.20 ad)                  | Estheral                            | Gas Paved Roadway            | FEMA Flood Zone A                                   |
| Existing Road                   | Proposed Rock Construction Entrance | USFWS Aquatic Buffer         |   |



PROJECT NO. 137126  
 DRAWN 9/20/14  
 DRAWN BY: DMH  
 CHECKED BY: MA  
 FILE NAME: ACC\_102527\_Fig 2.mxd

**Jurisdictional Features Map**  
 North Canton Connector  
 Antoro Resources Corporation  
 Doddridge & Tyler Counties, WV

FIGURE  
**2**  
 02 of 17

## Matthew Albright

---

**From:** Thomas Woodrow  
**Sent:** Wednesday, June 04, 2014 8:30 PM  
**To:** Matthew Albright; Heather Krepsik  
**Subject:** FW: Approval for WVR310279, North Canton Connector, Doddridge Co., 95.20 Acres

Received NCC stormwater permit

**Tom Woodrow, P.E., BCEE**  
Senior Project Manager  
230 Executive Drive, Suite 122  
Cranberry Township, PA 16066  
o | 724.831.5129  
c | 724.321.9226

---

**From:** DEP NPDESEP [mailto:DEP.NPDESEP@wv.gov]  
**Sent:** Wednesday, June 04, 2014 3:13 PM  
**To:** DEP NPDESEP; [lslauter@anteroresources.com](mailto:lslauter@anteroresources.com)  
**Cc:** Thomas Woodrow; Hodge, Timothy W; Swiger, Bradley C; Minigh, Christina D  
**Subject:** Approval for WVR310279, North Canton Connector, Doddridge Co., 95.20 Acres

Luz Slauter  
Antero Resources Appalachian Corporation  
1625 17<sup>th</sup> Street  
Denver, CO 80202

Physical Site Location: Co. Rt. 5, Riggins Run Road, Smithburg

Please be advised that this e-mail constitutes approval for your project associated with Oil and Gas Construction Activities and your registration no. is WVR310279. You are now authorized to operate under WV General Water Pollution Control Permit No. WV0116815, issued on May 13, 2013.

You should carefully read the contents of this General Permit and become familiar with all requirements needed to remain in compliance with your permit. A "Notice of Termination" form is to be completed and submitted when all disturbed areas are stabilized. You can find the permit and Notice of Termination form via the Internet by visiting Permitting, Division of Water and Waste Management at [www.dep.wv.gov](http://www.dep.wv.gov)

Your annual permit fee has been assessed as \$1500.00. You will be invoiced by this agency upon the anniversary date of this approval date. Failure to submit the annual fee within ninety (90) days of the due date will render your permit void upon the date you are mailed a certified written notice to that effect. Please be advised that a pro-rated annual permit fee may be assessed upon the completion date and proper stabilization.

If you have any questions relative to this approval, please do not hesitate to contact Joseph Cochran at (304) 926-0499 Ext. 1069 or by email at [joseph.w.cochran@wv.gov](mailto:joseph.w.cochran@wv.gov)

Scott G. Mandirola, Director  
WV DEP-Division of Water & Waste Mgt.  
601 57<sup>th</sup> St. SE  
Charleston, WV 25304-2345



Phone: (304) 926-0495  
Fax: (304) 926-0496



**DIVISION OF NATURAL RESOURCES**

324 Fourth Avenue, Room 200  
South Charleston WV 25303-1228

TDD (304) 558-1439

TDD 1-800-354-6087

Fax (304) 558-6048

Telephone (304) 558-3225

Earl Ray Tomblin  
Governor

Frank Jezioro  
Director

July 1, 2014

Division of Natural Resources  
**LICENSE AND RIGHT OF ENTRY**

Re: P-14-VI/09-666

Antero Resources Corporation,  
Brett Fletcher  
c/o Kleinfelder East, Inc.  
Attention: Heather Krepsik  
230 Executive Drive, Suite 122  
Cranberry Township, PA 16066-

Dear Mr. Fletcher:

The Division of Natural Resources hereby grants to you for a term of ten (10) years, from the date hereof, a License and Right of Entry to construct, replace, cover, repair, operate, maintain, use and remove a twenty inch (20") steel natural gas pipeline at four (4) separate locations and a sixteen inch (16") and a twenty inch (20") steel natural gas pipelines at seven (7) separate locations (North Canton Pipeline to EQT Pipeline North Canton Connector Project) along McElroy Creek, Elklick Run, Anderson Fork, Laughertys Fork, Riggins Run, unnamed tributaries of Riggins Run, and an unnamed tributary of McElroy Creek, McClellan District, Doddridge County, West Virginia, as shown located and highlighted in red on the map attached hereto as Exhibit A - H.

This License and Right of Entry is subject to the following terms and conditions:

**High Quality Streams (HQS)** as listed in the West Virginia Division of Natural Resources High Quality Stream Sixth Edition published in 2001 and for any trout streams and direct tributaries of trout streams:

- Directional boring is the only method permitted during the fish spawning season. Fish spawning season for warmwater streams runs from April 1<sup>st</sup> through June 30<sup>th</sup>. Trout spawning season runs from October 1<sup>st</sup> through April 30<sup>th</sup>.
- Other dry ditch methods (pump around, flume or cofferdam) as described in WVDEP water resources manual (published 2006) on page 3.21-4 may be used outside of spawning seasons.
- Each crossing that utilizes dry ditch methods must be completed in 2 consecutive work days.

**Non-high quality stream:**

- Directional boring or other dry ditch methods (pump around, flume or cofferdam) as described in WVDEP water resources manual (published 2006) on page 3.21-4 may be used at all times during fish spawning season from April 1<sup>st</sup> through June 30<sup>th</sup>.
-

Antero Resources Corporation  
P-14-VI/09-666  
Page 2  
July 1, 2014

- This eliminates the need for spawning season restrictions.
- Crossings using methods other than directional boring. Must be completed in 1 work day.
- Only ephemeral/intermittent streams that are dry can be trenched.

**Bank Stabilization**

All bank stabilization projects must begin immediately upon completion of utility line crossing and be completed within 24 hours of completion of utility line crossing.

**Freshwater Mussels**

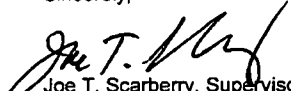
Mussel surveys on streams with known US Fish and Wildlife listed or candidate endangered species will be required if directional boring is not an option. Contact Janet Clayton of the WVDNR Wildlife Diversity Program for information concerning mussels at 304-637-0245.

For further assistance, contact the appropriate WVDNR District Fisheries Biologist.  
District 1 304-825-6787 District 2 304-822-3551 District 3 304-924-6211  
District 4 304-256-6947 District 5 304-675-0871 District 6 304-420-4550

The issuance of this License and Right of Entry by the Division of Natural Resources does not preclude the necessity to obtain a permit from the Corps of Engineers or any other state or federal permits which may be required by law, nor does this License and Right of Entry negate the need to comply with the West Virginia Water Pollution Control Act and/or the State Environmental Quality Board's administrative regulations, applicant is also responsible for determining if the proposed activity is located within an identified flood plain and it is the applicant's responsibility for contacting the local governmental agency in charge of that program and obtaining a flood plain development permit for it. This License and Right of Entry does not grant any rights or privileges, or permission to enter upon or to cross the property of any other person, nor is permission granted to remove any material that lies upon the property of any other persons. Work should be completed in as brief a period as possible and within one year from the date of this letter. In the event you fail or refuse to comply with any of the terms or conditions herein, this License and Right of Entry will be canceled and considered null and void and the Division will reject further applications.

Your check in the amount of \$4600.00 is now due and payable to the Division of Natural Resources covering the (10) ten-year fee of this agreement. Your agreement will be effective upon receipt of your payment in full.

Sincerely,

  
Joe T. Scarberry, Supervisor  
Office of Land and Streams

JTS:cb

attachment

pc: DNR Fish Biologist  
Mr. Mike Zeto, Environmental Enforcement  
DNR Conservation Officers

---



**DIVISION OF NATURAL RESOURCES**

324 Fourth Avenue, Room 200  
South Charleston WV 25303-1228  
TDD (304) 558-1439  
TDD 1-800-354-6087  
Fax (304) 558-6048  
Telephone (304) 558-3225

**Earl Ray Tomblin**  
*Governor*

**Frank Jezioro**  
*Director*

July 11, 2014

**Division of Natural Resources  
LICENSE AND RIGHT OF ENTRY**

**Re: LS-14-VI/09-665**

**Antero Resources Corporation**  
**Brett Fletcher**  
c/o Kleinfelder East, Inc.  
Attention: Heather Krepsik  
230 Executive Drive, Suite 122  
Cranberry Township, PA 16066-

Dear Mr. Fletcher:

The Division of Natural Resources hereby grants to you a Right of Entry to install and use a matting and pallets crossing (North Canton Pipeline to EQT Pipeline, North Canton Connector Project) at ten (10) separate locations along Elklick Run, Anderson Fork, Laughertys Fork, Riggins Run, an unnamed tributary of McElroy Creek, and unnamed tributaries of Riggins Run, McClellan District, Doddridge County, West Virginia.

This License and Right of Entry is subject to the following terms and conditions:

1. No in stream work during the fish-spawning season (April 1-June 30).
2. Work should be completed as quickly as possible during low flows in designated work areas only.
3. Any stream bed disturbance should be restricted to the immediate area. In stream use of equipment should be kept to a minimum.
4. All shore areas disturbed by this operation must be reshaped, seeded, and mulched immediately upon completion of work. The prompt establishment of vegetative cover will reduce future damage from high water levels.
5. Green concrete must not be put in the stream (highly toxic to aquatic life).
6. Best management practices should be followed. Measures such as hay bales must be used to reduce downstream siltation.
7. Approach roads must be graveled or rocked for a minimum length of fifty feet (50').

Antero Resources Corporation  
LS-14-VI/09-665  
Page 2  
July 11, 2014

8. The State's issuance of this Right-of-Entry does not provide for the applicant to work outside the requested boundaries nor does the State assume any liability for the applicant's/landowner's construction activities. By accepting this Right-of-Entry, the applicant/landowner assumes liability for any/all damages caused by this activity to both upstream and downstream landowners.

Guidelines of Best Management Practices for Sediment and Erosion Control as outlined by the Section of Water Resources, Division of Environmental Protection must be followed. Copies of those guidelines are available from the Section of Water Resources, Telephone No. (304) 926-0495.

The issuance of this License and Right of Entry by the Division of Natural Resources does not preclude the necessity to obtain a permit from the Corps of Engineers or any other state or federal permits which may be required by law, nor does this License and Right of Entry negate the need to comply with the West Virginia Water Pollution Control Act and/or the State Environmental Quality Board's administrative regulations, applicant is also responsible for determining if the proposed activity is located within an identified flood plain and it is the applicant's responsibility for contacting the local governmental agency in charge of that program and obtaining a flood plain development permit for it. This License and Right of Entry does not grant any rights or privileges, or permission to enter upon or to cross the property of any other person, nor is permission granted to remove any material that lies upon the property of any other persons. Work should be completed in as brief a period as possible and within one year from the date of this letter. In the event you fail or refuse to comply with any of the terms or conditions herein, this License and Right of Entry will be canceled and considered null and void and the Division will reject further applications.

Your check in the amount of \$1000.00 is now due and payable to the Division of Natural Resources covering the first year's annual fee of this agreement. Your agreement will be effective upon receipt of your payment in full.

Sincerely,

  
Lee T. Scarberry, Supervisor  
Office of Land and Streams

JTS:cb

pc: DNR Fish Biologist  
Mr. Mike Zeto, Environmental Enforcement  
DNR Conservation Officers



DEPARTMENT OF THE ARMY  
HUNTINGTON DISTRICT, CORPS OF ENGINEERS  
502 EIGHTH STREET  
HUNTINGTON, WEST VIRGINIA 25701-2070

REPLY TO  
ATTENTION OF

Regulatory Division  
Energy Resource Branch  
LRH-2014-00463-OHR McElroy Creek;  
North Canton to EQT Pipeline Project

JUL 18 2014

Mr. Brett Fletcher  
Antero Resources Corporation  
1615 Wynkoop Street  
Denver, Colorado 80202

Dear Mr. Fletcher:

I refer to information received in this office on May 13, 2014, and subsequent information received June 20, 2014 requesting Department of the Army (DA) authorization to discharge dredged and/or fill material into waters of the United States (U.S) as a part of the North Canton to EQT Pipeline Project. On-site waters flow into McElroy Creek and its tributaries. McElroy Creek drains to Middle Island Creek, a traditionally navigable water (TNW) of the U.S. The project will be located approximately 1.4 miles south of the community of Roberts at its southern terminus and proceeds generally north north-west to a location approximately 2.0 miles northeast of the community of Shirley at its northern terminus. The project is located in Doddridge and Tyler Counties, West Virginia. This project has been assigned the following file number: LRH-2014-00463-OHR, McElroy Creek. Please reference this file number on all future correspondence related to this project.

The U.S. Army Corps of Engineers (Corps) authority to regulate waters of the U.S. is based, in part, on the definitions and limits of jurisdiction contained in 33 CFR 328 and 33 CFR 329. Section 404 of the Clean Water Act requires that a Department of the Army permit be obtained prior to the discharge of dredged or fill material into waters of the United States, including wetlands. Section 10 of the Rivers and Harbors Act of 1899 requires that a Department of the Army permit be obtained for any work in, on, over or under a navigable water.

The proposed project, as described in the submitted information, has been reviewed in accordance with Section 404 of the Clean Water Act and Section 10 of the Rivers and Harbors Act. Based on your description of the proposed work, and other information available to us, it has been determined that this project will not involve activities subject to the requirements of Section 10, but will involve activities subject to Section 404.

*Preliminary Jurisdictional Determination*

Based on a review of the information provided, and other information available to us, 15 streams, six wetlands, and one pond are located within the delineation boundary as described in

the enclosed table. This office has determined the streams and wetlands may be waters of the U.S. in accordance with the Regulatory Guidance Letter (RGL) for JDs issued by the Corps on June 26, 2008 (RGL No. 08-02). As indicated in the guidance, this preliminary JD is non-binding and cannot be appealed (33 CFR 331.2) and only provides a written indication that waters of the U.S., including wetlands, may be present on-site.

You have declined to exercise the option to obtain an approved JD in this instance and at this time. For the purposes of the determination of impacts, compensatory mitigation, and other resource protection measures for activities that require authorization from this office, the streams and wetlands described in the attached *Preliminary Jurisdictional Determination Form* will be evaluated as if they are waters of the U.S. Enclosed please find two copies of the preliminary JD. If you agree with the findings of this preliminary JD and understand your options regarding the same, please sign and date one copy of the form and return it to this office within 30 days of receipt of this letter. You should submit the signed copy to the following address:

Mr. Adam Fannin (LRH-2014-00463-OHR McElroy Creek)  
U.S. Army Corps of Engineers, Huntington District  
502 Eight Street  
Huntington, West Virginia 25701

*Nationwide Permit No. 12*

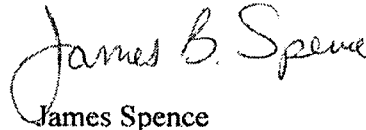
In the Pre-Construction Notification received in this office on May 13, 2014, you have requested DA authorization to temporarily discharge dredged and/or fill material into a total of 223 linear feet of 11 streams and 0.005 acre of five wetlands; and to permanently discharge dredged and/or fill material into a total of 0.02 acre of a single wetland at five single and complete permit areas associated with the North Canton to EQT Pipeline Project. The discharge of dredged and/or fill material into waters of the U.S. will facilitate the construction of a 4.68 mile 16-inch steel natural gas pipeline and a 7.86 mile 20-inch steel natural gas pipeline. The information submitted indicates the streams and wetlands which are temporarily affected by the pipeline installation will be restored to pre-construction conditions upon completion of the project. Additionally, you note that matting would be utilized for equipment crossings of streams and wetlands which are not crossed by access roads or the pipeline routes to avoid discharges into waters of the U.S.

Based on your description of the proposed work, and other information available to us, it has been determined the proposed discharge of dredged and/or fill material into waters of the U.S., for the construction of the North Canton to EQT Pipeline Project meets the criteria for authorization under Nationwide Permit (NWP) #12 under the February 21, 2012 Federal Register, Notice of Reissuance of NWPs (77 FR 10184) provided you comply with all terms and conditions of the enclosed material. The West Virginia Department of Environmental Protection has issued a §401 Water Quality Certification, with conditions, for this NWP. A copy of this NWP can be found on our website at <http://www.lrh.usace.army.mil/Missions/Regulatory.aspx>

Please be aware this nationwide permit authorization does not obviate the requirement to obtain other Federal, state or local authorizations required by law. A copy of this NWP and letter

must be supplied to your project engineer responsible for construction activities. Upon completion of the work, the attached certification must be signed and returned to this office. If you have any questions concerning the above, please contact Mr. Adam Fannin at (304) 399-6901 or by email at Adam.E.Fannin@usace.army.mil.

Sincerely,

A handwritten signature in cursive script that reads "James B. Spence". The signature is written in black ink and is positioned above the printed name.

James Spence  
Regulatory Project Manager  
Energy Resources Branch

Enclosures



RD-E-AEF

Permit Number LRH-2014-00463-LKR, McElroy Creek;  
North Canton to EQT Pipeline Project

Name of Permittee: Mr. Brett Fletcher  
Antero Resources Corporation  
1615 Wynkoop Street  
Denver, Colorado 80202

Date of Issuance: 7/18/2014

Upon completion of the activity authorized by this permit and any mitigation required by the permit, sign this certification and return it to the following address:

Huntington District  
U.S. Army Corps of Engineers  
502 8<sup>th</sup> Street  
Huntington, West Virginia 25701-2070  
Attn: RD-E

Please note that your permitted activity is subject to a compliance inspection by an United States Army Corps of Engineers representative. If you fail to comply with this permit you are subject to permit suspension, modification, or revocation.

I hereby certify that the work authorized by the above referenced permit has been completed in accordance with the terms and conditions of the said permit, and required mitigation was completed in accordance with the permit conditions.

\_\_\_\_\_  
Signature of Permittee

\_\_\_\_\_  
Date



**DIVISION OF NATURAL RESOURCES**

324 Fourth Avenue, Room 200  
South Charleston WV 25303-1228  
TDD (304) 558-1439  
TDD 1-800-354-6087  
Fax (304) 558-6048  
Telephone (304) 558-3225

Earl Ray Tomblin  
*Governor*

Frank Jezioro  
*Director*

July 23, 2014

Division of Natural Resources  
**RIGHT OF ENTRY**

**Re: LS-14-VI/09-1116**

Antero Resources Corporation  
Brett Fletcher  
c/o Kleinfelder East, Inc.  
Attention: Heather Krepsik  
230 Executive Drive, Suite 122  
Cranberry Township, PA 16066-

Dear Mr. Fletcher:

The Division of Natural Resources hereby grants to you for a period of ten (10) years from the date hereof, a Right of Entry for the purpose of installing and maintaining a matting and pallets crossing (North Canton Pipeline to EQT Pipeline, North Canton Connector Project) at four (4) separate locations along Riggins Run, an unnamed tributary of Elklick Run, and an unnamed tributary of Ralphs Run near Shirley in Doddridge County, West Virginia.

This Right of Entry is subject to the following terms and conditions:

1. No in stream work during the fish-spawning season (April 1-June 30).
2. Work should be completed as quickly as possible during low flows in designated work areas only.
3. All shore areas disturbed by this operation must be reshaped, seeded and mulched immediately upon completion of work. The prompt establishment of vegetative cover will reduce future damage from high water levels.
4. Green concrete must not be put in the stream (highly toxic to aquatic life).
5. Guidance should be obtained from NRCS (formerly SCS) and a registered engineer for the design and construction. Must allow for passage of at least ten-year flood flow.
6. Best management practices should be followed; measures such as hay bales must be used to reduce downstream siltation.

Antero Resources Corporation  
LS-14-VI/09-1116  
Page 2  
July 23, 2014

7. Applicant is responsible for removing debris from in and around the installation periodically to prevent stream flow obstruction.
8. Durable head walls of logs, rock, or concrete shall be constructed at both the upstream and downstream ends of crossing to prevent erosion of fill material into the stream.
9. The State's issuance of this Right-of-Entry does not provide for the applicant to work outside the requested boundaries nor does the State assume any liability for the applicant's/landowner's construction activities. By accepting this Right-of-Entry, the applicant/landowner assumes liability for any/all damages caused by this activity to both upstream and downstream landowners.

Guidelines of Best Management Practices for Sediment and Erosion Control as outlined by the Section of Water Resources, Division of Environmental Protection must be followed. Copies of those guidelines are available from the Section of Water Resources, 601 57<sup>th</sup> Street S.E., Charleston, West Virginia 25304-2345, Telephone No. (304) 926-0440.

The issuance of this Right of Entry by the Division of Natural Resources does not preclude the necessity to obtain a permit from the Corps of Engineers or any other state or federal permits which may be required by law, nor does this Right of Entry negate the need to comply with the West Virginia Water Pollution Control Act and/or the State Environmental Quality Board's administrative regulations, applicant is also responsible for determining if the proposed activity is located within an identified flood plain and it is the applicant's responsibility for contacting the local governmental agency in charge of that program and obtaining a flood plain development permit for it. This Right of Entry does not grant any rights or privileges, or permission to enter upon or to cross the property of any other person, nor is permission granted to remove any material that lies upon the property of any other persons. Work should be completed in as brief a period as possible and within one year from the date of this letter. In the event you fail or refuse to comply with any of the terms or conditions herein, this Right of Entry will be canceled and considered null and void and the Division will reject further applications.

Your payment is now due and payable in the amount of \$400.00 to the Division of Natural Resources covering the first year's annual fee of this agreement. Your agreement will be effective upon receipt of your payment in full. You must notify this office in writing when this installation has been removed.

Sincerely,

  
Joe T. Scarberry, Supervisor  
Office of Land and Streams

JTS:cb

pc: DNR Fish Biologist  
Mr. Mike Zeto, Environmental Enforcement  
DNR Conservation Officers



View

Layers

Search

Tools

Public

Expert

Risk MAP

Flood

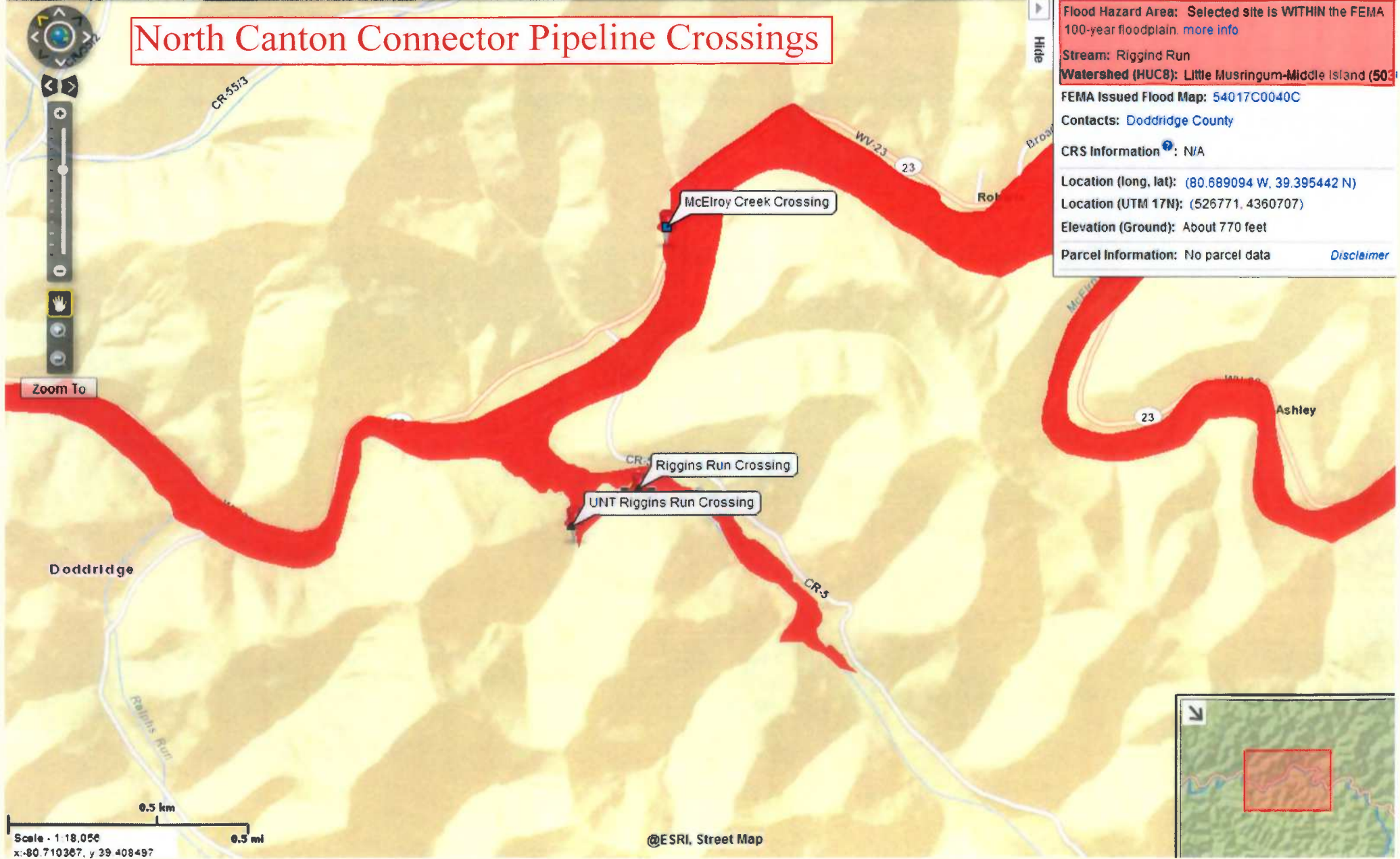
Reference

Basemap

Input your address



## North Canton Connector Pipeline Crossings



**Flood Hazard Area:** Selected site is WITHIN the FEMA 100-year floodplain. [more info](#)

**Stream:** Riggind Run

**Watershed (HUC8):** Little Musringum-Middle Island (503)

**FEMA Issued Flood Map:** 54017C0040C

**Contacts:** Doddridge County

**CRS Information:** N/A

**Location (long, lat):** (80.689094 W, 39.395442 N)

**Location (UTM 17N):** (526771, 4360707)

**Elevation (Ground):** About 770 feet

**Parcel Information:** No parcel data [Disclaimer](#)

Scale - 1:18,056  
x:-80.710367, y:39.408497

@ESRI, Street Map

**Doddridge County Flood Plain Application Fee Calculator (if in Flood Plain)****North Canton Connector Pipeline**

Estimated Construction Costs	\$598,200.00
Amount over \$100,000	\$498,200.00
Drilling Oil and Gas Well Fee	\$1,000.00
\$5 per \$1,000 over \$100,000	\$2,491.00
Amount Due with application	\$3,491.00

STATE OF WEST VIRGINIA,  
COUNTY OF DODDRIDGE, TO WIT

I, Virginia Nicholson, Editor of THE  
HERALD RECORD, a weekly newspaper  
published regularly, in Doddridge County,  
West Virginia, Do Hereby Certify  
That the Accompanying Legal Notice  
Entitled:

*Floodplain Permit*

*# 14-208*

*Antero Resources*

was published in said paper for *2*

successive weeks beginning with the issue

of *May 27* 2014 and

ending with the issue of

*June 3rd*

2014 and

that said notice contains *189*

WORD SPACE at *115* cents a word

amounts to the sum of \$ *21.74*

FOR FIRST PUBLICATION, SECOND  
PUBLICATION IS 75% OF THE FIRST  
PUBLICATION

\$ *16.31*  
and each publication thereafter

\$ *38.05* TOTAL

EDITOR

*Virginia Nicholson*

SWORN TO AND SUBSCRIBED

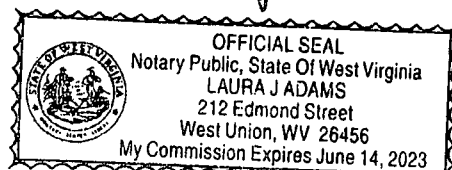
BEFORE ME THIS THE *5<sup>th</sup>* DAY

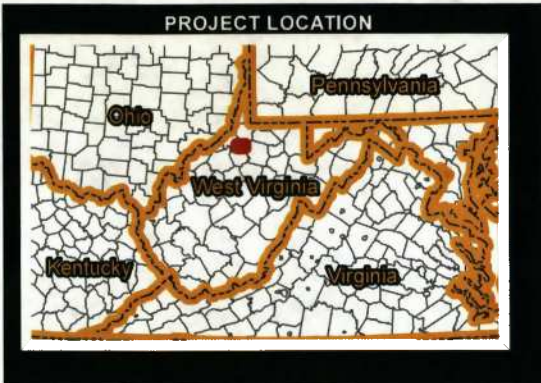
OF *June* 2014

NOTARY PUBLIC

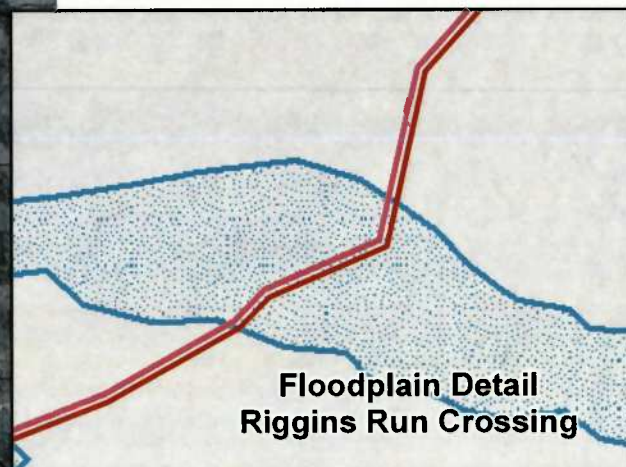
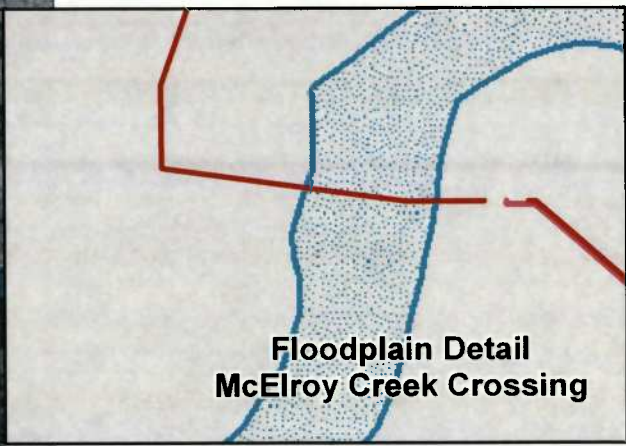
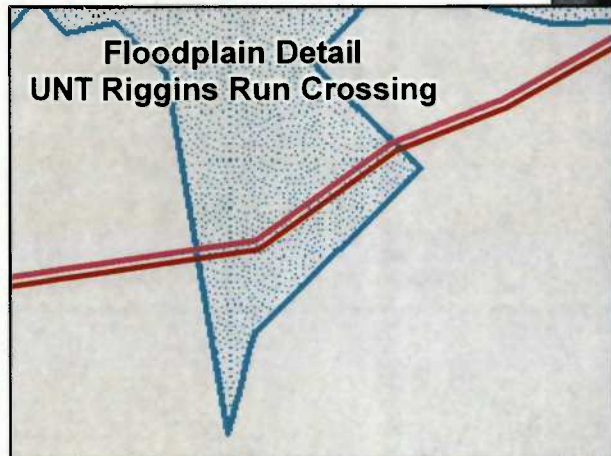
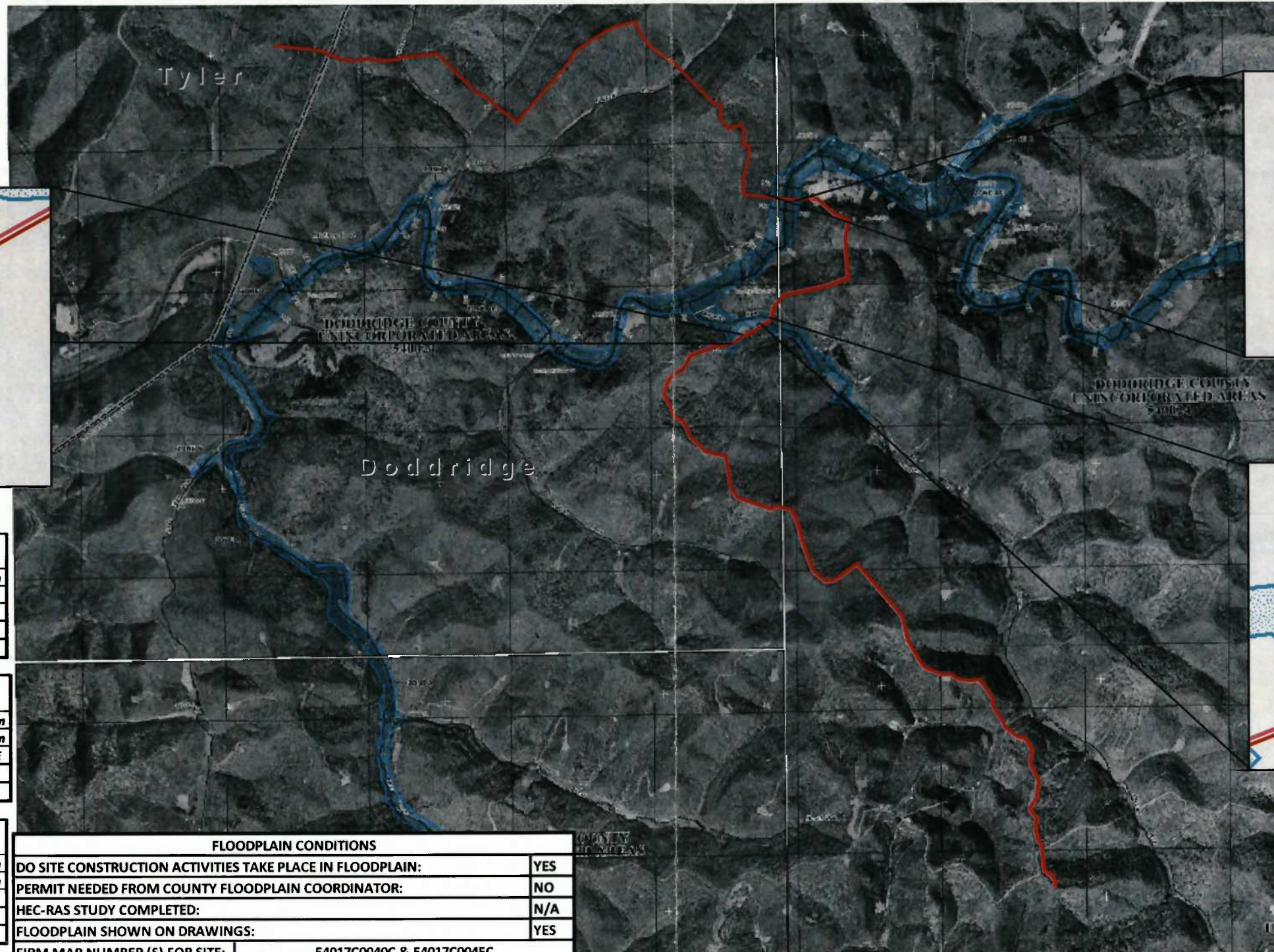
*Laura J Adams*

LEGAL ADVERTISEMENT:  
Doddridge County  
Floodplain Permit Application  
Please take notice that on the 21st day of May, 2014  
ANTERO RESOURCES #14-208 filed an application for  
a Floodplain Permit to develop land located at or about:  
SURFACE OWNERS: CHRISTOPHER L COFFMAN,  
JOHN H MCCLAIN AND SHAWN A GLASPELL RT23  
N-ASHLEY, MCELROY CREEK AND RIGGINS RUN  
AREA  
The Application is on file with the Clerk of the County  
Court and may be inspected or copied during regular  
business hours. Any interested persons who desire to  
comment shall present the same in writing by June 10,  
2014.  
Delivered to the:  
Clerk of the County Court  
118 E. Court Street, West Union, WV 26456  
Beth A. Rogers, Doddridge County Clerk  
Edwin L. "Bo" Wriston, Doddridge County Flood Plain  
Mnanger





**NORTH CANTON CONNECTOR  
FEMA FIRM 54017C0040C & 54017C0045C  
ANTERO MIDSTREAM LLC**



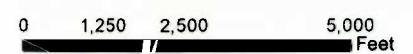
SITE LOCATIONS - MCELROY CREEK NAD 83		
Western Terminus (UTM Meters)	N=4361604.5m	E=526866.2 m
Eastern Terminus (UTM Meters)	N=4361588.3 m	E=527046.2m
	LATITUDE	LONGITUDE
Western Terminus	39.403528	-80.687958
Eastern Terminus	39.403376	-80.685867

SITE LOCATIONS - RIGGINS RUN NAD 83		
Western Terminus (UTM Meters)	N=4360694.0 m	E=526775.7 m
Eastern Terminus (UTM Meters)	N=4360761.3 m	E=526857.9 m
	LATITUDE	LONGITUDE
Western Terminus	39.395327	-80.689045
Eastern Terminus	39.395930	-80.688088

SITE LOCATIONS - UNT RIGGINS RUN NAD 83		
Western Terminus (UTM Meters)	N=4360578.0 m	E=526557.2 m
Eastern Terminus (UTM Meters)	N=4360633.6 m	E=526656.6 m
	LATITUDE	LONGITUDE
Western Terminus	39.394288	-80.691587
Eastern Terminus	39.394786	-80.690430

FLOODPLAIN CONDITIONS	
DO SITE CONSTRUCTION ACTIVITIES TAKE PLACE IN FLOODPLAIN:	YES
PERMIT NEEDED FROM COUNTY FLOODPLAIN COORDINATOR:	NO
HEC-RAS STUDY COMPLETED:	N/A
FLOODPLAIN SHOWN ON DRAWINGS:	YES
FIRM MAP NUMBER (S) FOR SITE:	54017C0040C & 54017C0045C
ACREAGE OF CONSTRUCTION IN FLOODPLAIN - MCELROY CREEK:	0.07
ACREAGE OF CONSTRUCTION IN FLOODPLAIN - RIGGINS RUN:	0.08
ACREAGE OF CONSTRUCTION IN FLOODPLAIN - UNT RIGGINS RUN:	0.08

MCLELLAN AND MCELROY DISTRICTS,  
DODDRIDGE AND TYLER COUNTIES, WV  
LITTLE MUSRINGUM-MIDDLE ISLAND WATERSHED



- Legend**
- Proposed 20" Alignment (7.86 mi)
  - Proposed 16" Alignment (4.68 mi)
  - FEMA Floodplain
  - County Boundary

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Base Map: ESRI Online Map;  
USGS 7.5' Smithburg and  
Center Point Quadrangles



PROJECT NO.	20143166
DRAWN:	4/10/2014
DRAWN BY:	A.Leonard
CHECKED BY:	N.Peace
FILE NAME:	NorthCantonConnector_FEMA_v1.mxd

**Antero Midstream LLC**  
North Canton Connector  
Doddridge and Tyler Counties  
West Virginia  
Flood Insurance Rate Map