



Floodplain Development Permit

Doddridge County, WV Floodplain Management

This permit gives approval for the development/ project listed 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: #19-558

Date Approved: September 23, 2019 Expires: September 23, 2020

Issued to: Antero Resources

POC: Daniel Bulian

Company Address: 535 White Oaks Blvd. Bridgeport, WV 26330

Project Address: Long Run Road Salem, WV 26426

Firm: 54017C0165C

Lat/Long: 39.279157N, -80.609966W

Purpose of Development: Culvert Removal

Issued by: George C. Eidel, CFM, OEM Director/Doddridge County FPM (or designee)

Date: September 23, 2019

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

7018 3090 0000 0402 5275

U.S. Postal Service™
CERTIFIED MAIL® RECEIPT
 Domestic Mail Only

For delivery information, visit our website at www.usps.com®.

OFFICIAL USE

Certified Mail Fee
 \$ 3.45

Extra Services & Fees (check box, add fee as appropriate)

Return Receipt (hardcopy) \$ 2.75

Return Receipt (electronic) \$

Certified Mail Restricted Delivery \$

Adult Signature Required \$

Adult Signature Restricted Delivery \$

Postage
 \$.50

Total Postage and Fees
 \$ 6.70

Sent To
 Lee Leopardi

Street and Apt. No., or PO Box No.
 5202 Long Run Rd.

City, State, ZIP+4®
 Salem, WV 26426 19-558

PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions



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Return Receipt (hardcopy) \$ 2.75

Return Receipt (electronic) \$

Certified Mail Restricted Delivery \$

Adult Signature Required \$

Adult Signature Restricted Delivery \$

Postage
 \$.50

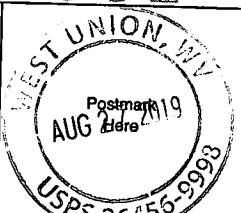
Total Postage and Fees
 \$ 6.70

Sent To
 Donald L. Stamm

Street and Apt. No., or PO Box No.
 628 Lake Floyd Circle

City, State, ZIP+4®
 Bristol, WV 26426 19-558

PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions



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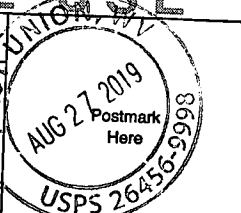
Total Postage and Fees
 \$ 6.70

Sent To
 David B. Sandridge & Kenneth Mayle

Street and Apt. No., or PO Box No.
 5270 Long Run Rd.

City, State, ZIP+4®
 Salem, WV 26426 19-558

PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions



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Return Receipt (electronic) \$

Certified Mail Restricted Delivery \$

Adult Signature Required \$

Adult Signature Restricted Delivery \$

Postage
 \$.50

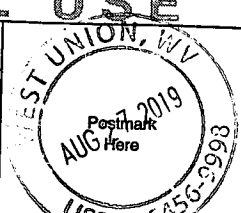
Total Postage and Fees
 \$ 6.70

Sent To
 Donna Jo Crawford

Street and Apt. No., or PO Box No.
 5444 Salem Long Run Rd.

City, State, ZIP+4®
 Salem, WV 26426 19-558

PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions



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Adult Signature Restricted Delivery \$

Postage
 \$.50

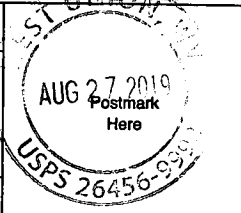
Total Postage and Fees
 \$ 6.70

Sent To
 James L. Mads % Stella Street

Street and Apt. No., or PO Box No.
 411 Sugar Lane

City, State, ZIP+4®
 Riverview, WV 26458 19-558

PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions



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Certified Mail Fee
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Extra Services & Fees (check box, add fee as appropriate)

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Return Receipt (electronic) \$

Certified Mail Restricted Delivery \$

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Adult Signature Restricted Delivery \$

Postage
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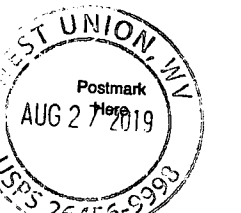
Total Postage and Fees
 \$ 6.70

Sent To
 Nancy D. Stamm

Street and Apt. No., or PO Box No.
 104 George St.

City, State, ZIP+4®
 Salem, WV 26426 19-558

PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions



SEP 24 19 8:09 AM

COPY

COPY

COPY

COPY

VERDANTERRA, LLC
305 S PATERSON ST
MADISON, WI 53703

PARK  BANK
MADISON, WISCONSIN 53713
WWW.PARKBANK.COM
79-994/759

1509

09/18/19

PAY TO THE
ORDER OF

Doddridge County

COPY

\$ 500.00

Five Hundred and

⁰⁰/₁₀₀

DOLLARS

Security features. Details on back.

COPY
MEMO

Floodplain Permit Fee - 03819002 (Stamm)


AUTHORIZED SIGNATURE

COPY

⑈001509⑈ ⑆075909945⑆

255⑈150⑈


COPY

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3.
- 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:

James L. Moats
% Stella Street
421 Sugar Lane
Rivesville, WV 26588



9590 9402 4783 8344 2635 58

2. Article Number (Transfer from service label)

COMPLETE THIS SECTION ON DELIVERY

A. Signature
 X *William J. Moats* 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

<input type="checkbox"/> Adult Signature	<input type="checkbox"/> Priority Mail Express®
<input type="checkbox"/> Adult Signature Restricted Delivery	<input type="checkbox"/> Registered Mail™
<input type="checkbox"/> Certified Mail®	<input type="checkbox"/> Registered Mail Restricted Delivery
<input type="checkbox"/> Certified Mail Restricted Delivery	<input type="checkbox"/> Return Receipt for Merchandise
<input type="checkbox"/> Collect on Delivery	<input type="checkbox"/> Signature Confirmation™
<input type="checkbox"/> Collect on Delivery Restricted Delivery	<input type="checkbox"/> Signature Confirmation Restricted Delivery
<input type="checkbox"/> Insured Mail	
<input type="checkbox"/> Insured Mail Restricted Delivery (over \$500)	

PS Form 3811, July 2015 PSN 7530-02-000-9053

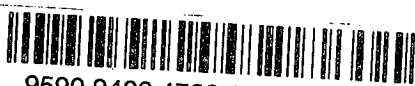
Domestic Return Receipt

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3.
- 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:

Donna Jo Crawford
5244 Salem Long Run Road
Salem, WV 26426



9590 9402 4783 8344 2635 72

2. Article Number (Transfer from service label)

COMPLETE THIS SECTION ON DELIVERY

A. Signature
 X *[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

<input type="checkbox"/> Adult Signature	<input type="checkbox"/> Priority Mail Express®
<input type="checkbox"/> Adult Signature Restricted Delivery	<input type="checkbox"/> Registered Mail™
<input type="checkbox"/> Certified Mail®	<input type="checkbox"/> Registered Mail Restricted Delivery
<input type="checkbox"/> Certified Mail Restricted Delivery	<input type="checkbox"/> Return Receipt for Merchandise
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<input type="checkbox"/> Collect on Delivery Restricted Delivery	<input type="checkbox"/> Signature Confirmation Restricted Delivery
<input type="checkbox"/> Insured Mail	
<input type="checkbox"/> Insured Mail Restricted Delivery (over \$500)	

PS Form 3811, July 2015 PSN 7530-02-000-9053

Domestic Return Receipt

FLOODPLAIN PERMIT #19-558

Antero Resources, Long Run Culvert Removal, Long Run Rd-Salem 39.279157, -80.609966

TASK	COMPLETE (DATE)	NOTES
CHECK RECEIVED	9-26-19	
US ARMY CORP. ENGINEERS (USACE)	N/A	
US FISH & WILDLIFE SERVICES (USFWS)	N/A	
WV DEPT. NATURAL RESOURCES (WVDNR)	11/4/19	
WV DEPT. ENVIROMENTAL PROTECTION (WVDEP)	N/A	
STATE HISTORIC & PRESERVATION OFFICE (SHPO)		
OFFICE of LAND & STREAM (OLS)		
DATE OF COMMISSION READING	9/2/2019	
DATE AVAILABLE TO BE GRANTED	9/23/2019	
PERMIT GRANTED	9/23/19	
COMPLETE		

7018 3090 0001 0402 5253


7018 3090 0001 0402 5291

7018 3090 0001 0402 5260


7018 3090 0001 0402 5307

7018 3090 0001 0402 5277

7018 3090 0001 0402 5284

SENDER: COMPLETE THIS SECTION		COMPLETE THIS SECTION ON DELIVERY	
<ul style="list-style-type: none"> Complete items 1, 2, and 3. 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. 		<p>A. Signature <input checked="" type="checkbox"/> Addressee <i>Lee M Leopardi</i> <input type="checkbox"/> Agent</p> <p>B. Received by (Printed Name) <i>LEE M LEOPARDI</i> C. Date of Delivery <i>8/23/19</i></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>Lee Leopardi 5202 Long Run Road Salem, WV 26426</p>  <p>9590 9402 4783 8344 2635 89</p>		<p>3. Service Type</p> <input type="checkbox"/> Adult Signature <input type="checkbox"/> Priority Mail Express® <input type="checkbox"/> Adult Signature Restricted Delivery <input type="checkbox"/> Registered Mail™ <input type="checkbox"/> Certified Mail® <input type="checkbox"/> Registered Mail Restricted Delivery <input type="checkbox"/> Certified Mail Restricted Delivery <input type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> Collect on Delivery <input type="checkbox"/> Signature Confirmation™ <input type="checkbox"/> Collect on Delivery Restricted Delivery <input type="checkbox"/> Signature Confirmation Restricted Delivery <input type="checkbox"/> Insured Mail <input type="checkbox"/> Insured Mail Restricted Delivery (over \$500)	
2. Article Number (Transfer from service label)			

PS Form 3811, July 2015 PSN 7530-02-000-9053 Domestic Return Receipt

SENDER: COMPLETE THIS SECTION		COMPLETE THIS SECTION ON DELIVERY	
<ul style="list-style-type: none"> Complete items 1, 2, and 3. 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. 		<p>A. Signature <input checked="" type="checkbox"/> Addressee <input type="checkbox"/> Agent <i>David B. Sandridge</i> <input type="checkbox"/> Addressee</p> <p>B. Received by (Printed Name) <i>David B. Sandridge</i> C. Date of Delivery <i>26426</i></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>David B. Sandridge & Kenneth Mayle 5270 Salem Long Run Road Salem, WV 26426</p>  <p>9590 9402 4783 8344 2635 34</p>		<p>3. Service Type</p> <input type="checkbox"/> Adult Signature <input type="checkbox"/> Priority Mail Express® <input type="checkbox"/> Adult Signature Restricted Delivery <input type="checkbox"/> Registered Mail™ <input type="checkbox"/> Certified Mail® <input type="checkbox"/> Registered Mail Restricted Delivery <input type="checkbox"/> Certified Mail Restricted Delivery <input type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> Collect on Delivery <input type="checkbox"/> Signature Confirmation™ <input type="checkbox"/> Collect on Delivery Restricted Delivery <input type="checkbox"/> Signature Confirmation Restricted Delivery <input type="checkbox"/> Insured Mail <input type="checkbox"/> Insured Mail Restricted Delivery (over \$500)	
1. Article Addressed to:			

PS Form 3811, July 2015 PSN 7530-02-000-9053 Domestic Return Receipt



Doddridge County Floodplain Permits

(Week of September 2, 2019)

Please take notice that on the (26th) of (August), 2019, (Antero Resources) filed an application for a Floodplain Permit (#19-558) to develop land located at or about (Long Run Road-Salem); Coordinates: 39.279157, -80.609966. The Application is on file with the Floodplain Manager of the County and may be inspected or copied during regular business hours in accordance to WV Code Chapter 29B Freedom of Information, Article 1 Public Records and county policy and procedures. Any interested persons who desire to comment shall present the same in writing by (September 23, 2019) (20 calendar days after the announcement at the regularly scheduled Doddridge County Commission Meeting) delivered to the Floodplain Manager of the County at 105 Court Street, Suite #3, West Union, WV 26456. This project is for the removal of culverts



GEORGE C. EIDEL, CFM

Doddridge County Floodplain Manager

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3.
- 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:
Donald L. Stamm
628 Lake Floyd Circle
Bristol, WV 26426



9590 9402 4783 8344 2635 65

2. Article Number (Transfer from service label)

PS Form 3811, July 2015 PSN 7530-02-000-9053

COMPLETE THIS SECTION ON DELIVERY

A. Signature *[Signature]* Agent Addressee
 B. Received by (Printed Name) *[Signature]* C. Date of Delivery *26*

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

3. Service Type
- Adult Signature
 - Adult Signature Restricted Delivery
 - Certified Mail®
 - Certified Mail Restricted Delivery
 - Collect on Delivery
 - Collect on Delivery Restricted Delivery
 - Insured Mail
 - Insured Mail Restricted Delivery (over \$500)
 - Priority Mail Express®
 - Registered Mail™
 - Registered Mail Restricted Delivery
 - Return Receipt for Merchandise
 - Signature Confirmation™
 - Signature Confirmation Restricted Delivery

Domestic Return Receipt

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3.
- 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:
Nancy D. Stamm
104 George Street
Salem, WV 26426



9590 9402 4783 8344 2635 41

2. Article Number (Transfer from service label)

PS Form 3811, July 2015 PSN 7530-02-000-9053

COMPLETE THIS SECTION ON DELIVERY

A. Signature *[Signature]* Agent Addressee
 B. Received by (Printed Name) *[Signature]* C. Date of Delivery *26*

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

3. Service Type
- Adult Signature
 - Adult Signature Restricted Delivery
 - Certified Mail®
 - Certified Mail Restricted Delivery
 - Collect on Delivery
 - Collect on Delivery Restricted Delivery
 - Insured Mail
 - Insured Mail Restricted Delivery (over \$500)
 - Priority Mail Express®
 - Registered Mail™
 - Registered Mail Restricted Delivery
 - Return Receipt for Merchandise
 - Signature Confirmation™
 - Signature Confirmation Restricted Delivery

Domestic Return Receipt



Floodplain Permit Application



Permit#	19-558
Project Name:	Long Run Culvert Removal
Permittees Name:	Antero Resources

AUG 26 19 24:11 PM

Doddridge County, WV

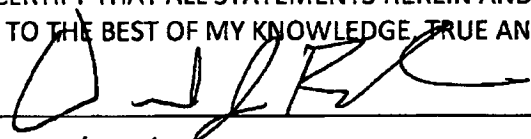
Floodplain Development

Permit Application

This document is to be used for projects that impact/potentially impact 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.

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. The permit will expire if no work is commenced within six months of issuance.
5. Applicant is hereby informed that other permits may be required to fulfill local, state, and federal requirements.
6. Applicant hereby gives consent to the Floodplain Administrator/Manager or his/her representative to make inspections to verify compliance.
7. 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 

DATE 09/21/19

Doddridge County Commercial/Industrial
Floodplain Development Permit Application

Applicant Information:

Please provide all pertinent data.

Applicant Information		
Responsible Company Name: Antero Resources		
Corporate Mailing Address: 535 White Oaks Blvd		
City: Bridgeport	State: WV	Zip: 26330
Corporate Point of Contact (POC): Daniel Bulian		
Corporate POC Title: Environmental Specialist III		
Corporate POC Primary Phone: 304-842-4093		
Corporate POC Primary Email: dbulian@anteroresources.com		
Corporate FEIN: 80-0162034	Corporate DUNS:	
Corporate Website: https://www.anteroresources.com/		
Local Mailing Address: 535 White Oaks Blvd		
City: Bridgeport	State: WV	Zip: 26330
Local Project Manager (PM): Daniel Bulian		
Local PM Primary Phone: 304-842-4093		
Local PM Secondary Phone:		
Local PM Primary Email: dbulian@anteroresources.com		
Person Filing Application: Daniel Bulian		
Applicant Title: Environmental Specialist III		
Applicant Primary Phone: 304-842-4093		
Applicant Secondary Phone:		
Applicant Primary Email: dbulian@anteroresources.com		

Doddridge County Commercial/Industrial
Floodplain Development Permit Application

Proposed Development:

Please check all elements of the proposed project that apply.

DESCRIPTION OF WORK (CHECK ALL APPLICABLE BOXES)

A. STRUCTURAL DEVELOPMENT

<u>ACTIVITY</u>	<u>STRUCTURAL TYPE</u>
<input type="checkbox"/> New Structure	<input type="checkbox"/> Residential (1 – 4 Family)
<input type="checkbox"/> Addition	<input type="checkbox"/> Residential (more than 4 Family)
<input checked="" 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)

Removal of existing culverts

Doddridge County Commercial/Industrial
Floodplain Development Permit Application

Development Site/Property Information:

Please provide physical description of the site/property, along with pertinent ownership (surface and mineral rights) data as applicable. Attach appropriate maps from the WV Flood Tool showing location of proposed development. Use additional copies of this page if development spans multiple property boundaries. Designate each property by number (i.e. Property 1 of 1, Property 2 of 7, etc.)

Property Designation: 1 of 1

Site/Property Information:		
Legal Description: Long Run 2 1/4 AC		
Physical Address/911 Address: Long Run Rd		
Decimal Latitude/Longitude: 39.279098/-80.609904		
DMS Latitude/Longitude: 39°16'44.75"N/ 80°36'35.65"W		
District: 06	Map: 21	Parcel: 25
Land Book Description:		
Deed Book Reference: 374/11		
Tax Map Reference: 21		
Existing Buildings/Use of Property: Vacant		

Floodplain Location Data: (to be completed by Floodplain Manager or designee)			
Community:	Number:	Panel:	Suffix:
Location (Lat/Long):		Approximate Elevation:	
		Estimated BFE:	
Is the development in the floodway?		Is the development in the floodplain?	
<input type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/> Yes <input type="checkbox"/> No Zone: _____	
Notes:			

Doddridge County Commercial/Industrial
Floodplain Development Permit Application

Property Owner Data:

Please provide data on current site/property landowner(s), both surface and mineral rights (as applicable). Use additional copies of this page as needed. Designate each page in relation to each property listed above.

Property Designation: 1 of 1

Property Owner Data:		
Name of Primary Owner (PO): Stamm Donald L		
PO Address: 628 Lake Floyd Circle		
City: Bristol	State: CT	Zip: 26426
PO Primary Phone:		
PO Secondary Phone:		
PO Primary Email:		

Surface Rights Owner Data:		
Name of Primary Owner (PO): Stamm Donald L		
PO Address: 628 Lake Floyd Circle		
City: Bristol	State: CT	Zip: 26426
PO Primary Phone:		
PO Secondary Phone:		
PO Primary Email:		

Mineral Rights Owner Data: (As Applicable)		
Name of Primary Owner (PO):		
PO Address:		
City:	State:	Zip:
PO Primary Phone:		
PO Secondary Phone:		
PO Primary Email:		

Doddridge County Commercial/Industrial
Floodplain Development Permit Application

Contractor Data:

Please provide all pertinent data for contractors and sub---contractors that may be participating in this project. Use additional copies of this page as needed. Designate each page in relation to each property listed above.

Property Designation: 1 of 1

Contractor/Sub-Contractor (C/SC) Information:		
C/SC Company Name: Entegra Energy Solutions, LLC		
C/SC WV License Number: WV054560		
C/SC FEIN:	C/SC DUNS:	
Local C/SC Point of Contact (POC):		
Local C/SC POC Title:		
C/SC Mailing Address: PO Box 1087		
City: Bridgeport	State: WV	Zip-Code: 26330
Local C/SC Office Phone: 304-745-3043		
Local C/SC POC Phone:		
Local C/SC POC E-Mail:		

Engineer Firm Information:		
Engineer Firm Name: Verdanterra, LLC		
Engineer WV License Number: 21848		
Engineer Firm FEIN:	Engineer Firm DUNS:	
Engineer Firm Primary Point of Contact (POC): Chad Alberth		
Engineer Firm Primary POC Title: Project Engineer		
Engineer Firm Mailing Address: 601 Technology Dr, Ste 200		
City: Canonsburg	State: PA	Zip-Code: 15317
Engineer Firm Office Phone: 724-916-4541		
Engineer Firm Primary POC Phone: 724-916-4541		
Engineer Firm Primary POC E-Mail: calberth@verdanterra.com		

Adjacent and/or Affected Landowners Data

Please provide data for all adjacent and/or affected surface owners (both up and down stream) whose property may be impacted by proposed development as demonstrated by a floodplain study or survey. Use additional copies of this page as needed.

Adjacent Property Owner Data: Upstream		
Name of Primary Owner (PO): Leopardi Lee		
Physical Address: 5202 Long Run Rd		
City: Salem	State: WV	Zip: 26426
PO Primary Phone:		
PO Secondary Phone:		
PO Primary Email:		

Adjacent Property Owner Data: Upstream		
Name of Primary Owner (PO):		
Physical Address:		
City:	State:	Zip:
PO Primary Phone:		
PO Secondary Phone:		
PO Primary Email:		

Adjacent Property Owner Data: Downstream		
Name of Primary Owner (PO): Stamm Nancy Dianne		
Physical Address: 104 George St		
City: Salem	State: WV	Zip: 26426
PO Primary Phone:		
PO Secondary Phone:		
PO Primary Email:		

Adjacent Property Owner Data: Downstream		
Name of Primary Owner (PO):		
Physical Address:		
City:	State:	Zip:
PO Primary Phone:		
PO Secondary Phone:		
PO Primary Email:		

SANDRIDGE DAVID BRUCE &;

KENNETH MAYLE

5270 SALEM LONG RUN RD, SALEM, WV 26426

CRAWFORD DONNA JO;

5244 SALEM LONG RUN RD, SALEM, WV 26426

MOATS JAMES L ET AL;

%STELLA STREET, 421 SUGAR LN, RIVESVILLE, WV 26588

Site Plan

A Site Plan is an accurate and detailed map of the proposed development for this project. It shows the size, shape, location and special features of the project property, and the size and location of any development planned to the property, especially as that development will impact the floodplain and/or floodway. Site plans show what currently exists on the project property, and any changes or improvements you are proposing to make. **A certified and licensed engineering firm should complete site plans.**

A SITE PLAN MUST CONTAIN THE FOLLOWING INFORMATION:

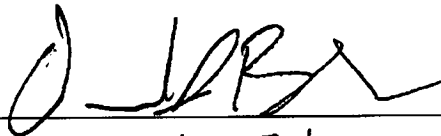
1. Legal description of the parcel, north arrow and scale
2. All property lines and their dimensions
3. Names of adjacent roads, location of driveways
4. Location of sloughs, tributaries, streams, rivers, wetlands, ponds, and lakes, with setbacks indicated, and including FEMA floodplain data based on most updated FIRM.
5. Location, size, shape of all buildings, existing and proposed, with elevation of lowest floor indicated.
6. Location and dimensions of existing or proposed on-site sewage systems.
7. Location of all propane tanks, fuel tanks or other liquid storage tanks whether above ground or below ground level.
8. Location and dimensions of any proposed pipeline placement(s) into floodplain/floodway.
9. Location and dimensions of any roadway development into floodplain/floodway. *(Includes initial development access roads)*
10. Location and dimensions of any bridge and/or culvert development into floodplain/floodway.
11. Location and dimensions of any storage yard or facility into the floodplain/floodway.
12. Location of any existing utilities and/or proposed utility placement and/or displacement.
13. Location, dimensions and depth of any existing or proposed fill on site.
14. A survey showing the **existing ground elevations** of at least location on the building site. **ELEVATION NOTE:** All vertical datum will reference either NGVD 29 or NAVD 88. Assumed datum will not be acceptable unless the property is located in an area where vertical datum has not been published. For those areas where vertical datum has not been established, a site plan with contours, elevations using assumed datum, high water marks and existing water levels of sloughs, rivers, lakes or streams and proposed lowest floor elevation.

Applicant

Please read print name, sign and date below:

- I certify that I am authorized to submit this application for the primary project developer.
- I certify that the information included in this application is to the best of my knowledge true and complete.
- I certify that all required Federal, State, and local permits required by law and/or ordinance for the above described development of this project have will be properly attained, are current and valid, and must be presented prior to a Doddridge County Floodplain Permit being issued.
- I understand that if in the course of the development project additional permits become required that were not needed during the initial proposal, the primary developer must notify the Doddridge County Floodplain Manager within 48 hours of such need, and that a "Stop Work" order may be issued for all project work directly impacting the floodplain or floodway, until such time the required additional permits are acquired.
- I understand that once the floodplain permit is submitted, the application will be entered into official public record at the next regularly scheduled Doddridge County Commission meeting after the date of submittal.
- I understand that from the date of submittal of the fully completed permit application, the Doddridge County Floodplain Manager has ninety (90) days to make a determination to either grant or deny said permit application. During this approval period, the Doddridge County Floodplain Manager may, at his or her discretion, conduct a review and/or additional study of provided documentation by means of an independent engineering firm. All costs associated with said review and/or study must be reimbursed to the County before issuance of approved permit.
- I understand that during the approval period, the Doddridge County Floodplain Manager or designee may at his or her discretion conduct site visits and document conditions of proposed development pursuant to the permit application.
- I understand that once the Floodplain Permit is granted, the permit will be entered into official public record. Appeals to the permit may be made no later than twenty (20) days after said issuance. If a valid appeal is submitted, as determined by the Doddridge County Floodplain Manager, a "Stop Work" order will be issued for all project development directly involving the floodplain or floodway. A public hearing by the Doddridge County Appeals Board will be scheduled no less than ten (10) days after the next regularly scheduled Doddridge County Commission meeting.
- I understand that all decisions of the Doddridge County Appeals Board shall be final.
- **I understand Issuance of a Floodplain Permit authorizes me to proceed with construction as proposed.**
- In signing this application, the primary developer hereby grants the Doddridge County Floodplain Manager or designee the right to enter onto the above—described location to inspect the development work proposed, in progress, and/or completed.
- I understand that if I do not follow exactly the site—plan submitted and approved by this permit that a "Stop Work" order may be issued by the Doddridge County Floodplain Manager and that I must stop all construction immediately until discrepancies of actual work vs. proposed work is resolved.

Applicant Signature: _____



Date: _____

08/21/19

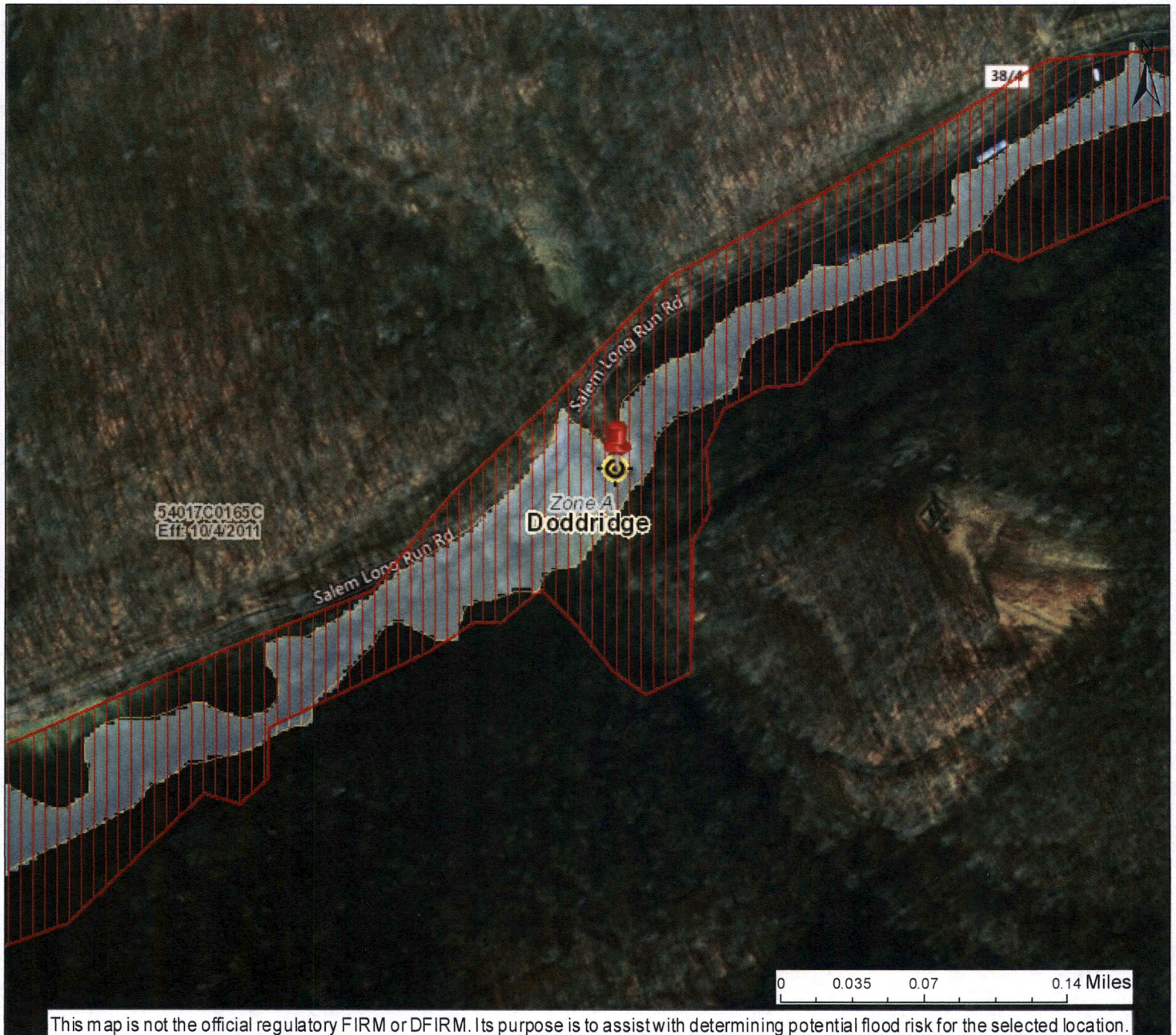
Applicant Printed Name: _____

Daniel J Bulian



Site Plans

STAMM CULVERT REMOVAL



This map is not the official regulatory FIRM or DFIRM. Its purpose is to assist with determining potential flood risk for the selected location.

<p>LOMAs</p> <ul style="list-style-type: none"> ● Incorporated ● Superseded ● Not incorporated ● No Revalidation Status ● Reevaluated ● Contact Community for Revalidation Status 	<p>0.2 Pct Annual Chance Flood Hazard</p> <ul style="list-style-type: none"> ■ 0.2 Pct Annual Chance Flood Hazard <p>Cross Section (XS) Lines</p> <ul style="list-style-type: none"> — LETTERED, MAPPED — NOT LETTERED, MAPPED <p>Base Flood Elevation (BFE) Lines</p> <ul style="list-style-type: none"> ~ Rule_1 	<p>FEMA Effective Floodplains</p> <ul style="list-style-type: none"> ▨ Zone AE FLOODWAY ▨ Zone AE (AH, AO) ▨ Zone A ▨ AREA WITH REDUCED FLOOD RISK DUE TO LEVEE ▨ DFIRM Panel Index <p>Flood Depth (Ft)</p> <ul style="list-style-type: none"> ■ High : 864.11 	<p>LOMRs</p> <ul style="list-style-type: none"> ■ Low : 0 ■ Effective 	<p>Flood Info Location ● <i>Map created on 8/15/2019</i></p> <p>User Notes:</p> <div style="border: 1px solid black; padding: 5px;"> <p>Flood Hazard Area: Location is WITHIN the FEMA 100-year floodplain. Advisory Flood Heights available.</p> <p>Flood Hazard Zone: A (Advisory Flood Heights available)</p> <p>Stream: Long Run (1)</p> <p>Watershed (HUC8): Little Musringum-Middle Island (5030201)</p> <p>Flood Height: About 942 ft (Source: AFH)</p> <p>Water Depth: About 3.2 ft (Source: HEC-RAS)</p> <p>Elevation: About 939 ft (Source: SAMS 2003)</p> <p>Location (long, lat): (-80.609966, 39.279157)</p> <p>Community&ID: Doddridge County (540024)</p> </div>
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Disclaimer:

The online map is for use in administering the National Flood Insurance Program. It does not necessarily identify all areas subject to flooding, particularly from local drainage sources of small size. Refer to the official Flood Insurance Study (FIS) for detailed flood elevation data in flood profiles and data tables. **WV Flood Tool** (<https://www.MapWV.gov/flood>) is supported by FEMA, WV NFIP Office, and WV GIS Technical Center.

FEMA Flood Map: 54017C0165CNFHIEFF: 10/4/2011
Parcel Number: 09-03-0021-0025-0000
Address: N/A



Esri, HERE, Garmin, (c) OpenStreetMap contributors

<p>Verdanterra, LLC</p>		<p>Legend</p>		<p>Antero Resources</p>		
		<ul style="list-style-type: none"> LOD AOI Culvert 	<ul style="list-style-type: none"> PERENNIAL INTERMITTENT Feature Continues 	<ul style="list-style-type: none"> 100yr FEMA Floodplain Parcel Boundaries 	<p style="text-align: center;">Site Plan Stamm Culvert Removal</p>	
				<p>Date: 08/19/2019</p>	<p>Sheet 1</p>	



DIVISION OF NATURAL RESOURCES
324 4th Avenue, Room 342
South Charleston, West Virginia 25303-1228
Telephone 304-558-3225
Fax 304-558-6048
TDD 304-558-1439
TDD 800-354-6087

Stephen S. McDaniel
Director

October 10, 2019

Division of Natural Resources
Office of Land and Streams
LICENSE and RIGHT of ENTRY

Re: R-19-VI/09-2015

Antero Resources Corporation
Daniel Bulian
c/o Verdanterra, LLC
Attention: Jayme Fuller
601 Technology Dr., Suite 200
Canonsburg, PA 15317

Dear Mr. Bulian:

The West Virginia Division of Natural Resources (WVDNR) hereby grants to you for a term of one (1) years, from the date hereof, a License and Right of Entry for the purpose of removing three (3) thirty inch by fifty foot (30"x50') culverts from the streambed (Stamm Culvert Removal) along Long Run near Salem in Doddridge County, West Virginia.

The issuance of this License and Right of Entry by the WVDNR does not preclude the necessity to obtain permits from the U.S. Army Corps of Engineers (USACE), W.V. Department of Environmental Protection (WVDEP), or the W.V. Division of Homeland Security and Emergency Management (WVDHSEM). The Right of Entry does not negate the need to comply with the West Virginia Water Pollution Control Act and/or the State Environmental Quality Board's administrative regulations.

The applicant must contact the following agencies and abide by the following conditions:

1. The USACE may require either an Individual Clean Water Act 404 permit or a Nationwide Permit. Contact the Huntington District (304-399-5210) or the Pittsburgh District (412-395-7155) from more information. Information can also be found at <http://www.lrh.usace.army.mil/Missions/Regulatory.aspx>
2. The WVDEP (304-926-0499) may require the following permits:
 - a. A Clean Water Act Section 401 Water Quality Certification
<http://www.dep.wv.gov/WWE/Programs/Pages/401Certification.aspx>

- b. Construction Stormwater Site Registration and Notice of Intent. Not needed if disturbance less than 1-acre
http://dep.wv.gov/WWE/Programs/stormwater/Pages/sw_home.aspx
3. The WVDEP Erosion and Sediment Control Best Management Practice Manual, Revised 2016, must be followed. Copies of those guidelines are available from the Division of Water and Waste Management, (304) 926-0495 or at
http://www.dep.wv.gov/WWE/Programs/stormwater/csw/Pages/ESC_BMP.aspx
4. The WVDHSEM may require a Floodplain Permit. WVDHSEM can be contacted at: (304) 957-2571
5. No in-stream work during the cold water and warm water fish spawning seasons (September 15-March 31 and April 1- June 30, respectively). If in-stream impacts cannot be avoided during the applicable fish spawning season, contact the WVDNR Environmental Coordination Unit at (304) 637-0245.
6. Threatened or Endangered aquatic species identified by the U.S. Fish and Wildlife Service are listed in Appendix A of the 2017 USACE Nationwide Permits. The U.S. Fish and Wildlife Service Field Office should be contacted (304) 636-6568 for any activity in waterways listed in Appendix A.
<http://www.lrp.usace.army.mil/Portals/72/docs/regulatory/2017%20Public%20Notices/West%20Virginia%20-%20NWP%20March%202017%20PN.pdf?ver=2017-03-22-095505-870>
7. Survey requirements for streams with mussel populations are described in the West Virginia Mussel Survey Protocols. Contact the WVDNR Environmental Coordination Unit for information concerning mussels at (304) 637-0245.
<http://www.wvdnr.gov/Mussels/West%20Virginia%20Mussel%20Survey%20Protocols%20APR2016.pdf>

Additionally, this Right of Entry does not provide for the applicant to work outside the requested boundaries. The State does not 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. 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 the applicant fails or refuses 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 WVDNR may reject further applications.**

Your check in the amount of \$100.00 is now due and payable to the Division of Natural Resources covering the one-time fee for this agreement. Your agreement will be effective upon receipt of your payment in full.

Sincerely,



Stephen S. McDaniel
Director

SSM:cb

Antero Resources Corporation
R-19-VI/09-2015
Page 3
October 10, 2019

cc: Office of Land and Streams
DNR Fish Biologist
Jeremy Bandy, Environmental Enforcement
Natural Resources Police Officer
Danielle Elliot, WV DNR Coordination Unit



Verdanterra
601 Technology Dr.
Canonsburg, PA 15317
724.916.4541

August 19, 2019

George Eidel
Doddridge County Office of
Emergency
Management/Floodplain
101 Church Street, Suite
102
West Union, WV 26456
Phone: 304.873.1343

Re: Floodplain Permit Application, Stamm Culvert Removal
Doddridge, WV, Antero Resources Corporation

8/19/2019 2:11PM

Mr. Eidel:

Verdanterra, LLC (Verdanterra) is submitting this application on behalf of Antero Resources Corporation (Antero) for the Stamm Culvert Removal. The removal site is located approximately 2.7 miles west of Salem in Doddridge County, WV, as shown on the attached Salem USGS 7.5-minute series topographic map (Figure 1). The GPS coordinates at the location of the removal are 39.279084° N, 80.609905° W.

Antero is proposing to remove three existing 30-inch diameter steel culverts, 50 feet in length from Long Run along an existing access road. Removal of the culverts will be completed in one day. The removal will be planned for a period of low flow and weather conditions will be monitored in an effort to avoid completing in-stream work during a period of unusually high flow. After removal of the culverts, the stream bed will be restored using natural bed material. As the proposed undertaking will remove an obstruction from the stream, the activity is not expected to cause a rise in base flood elevation at areas within or adjacent to the LOD. Local, state and/or federal permit requirements will be fulfilled prior to construction.

Long Run is a tributary of Buckeye Creek, a tributary of Middle Island Creek, which is a tributary of the Ohio River, a Traditional Navigable Water (TNW). The site is located in the Middle Ohio North watershed (HUC8:05030201).

Should you have any questions, please feel free to contact Chad Alberth via email at calberth@verdanterra.com. We appreciate your timely review of this application.

Respectfully,

Verdanterra, LLC

Chad Alberth, P.E.
Project Engineer
calberth@verdanterra.com



Verdanterra
601 Technology Dr.
Canonsburg, PA 15317
724.916.4541

September 19, 2019

George Eidel
Doddridge County Office of
Emergency
Management/Floodplain
101 Church Street, Suite
102
West Union, WV 26456
Phone: 304.873.1343

Re: Floodplain Permit Application, Stamm Culvert Removal
Doddridge, WV, Antero Resources Corporation

SEP24 19 7:09AM

Mr. Eidel:

Verdanterra, LLC (Verdanterra) has enclosed required fees for this application on behalf of Antero Resources Corporation (Antero) for the Stamm Culvert Removal. The removal site is located approximately 2.7 miles west of Salem in Doddridge County, WV, as shown on the attached Salem USGS 7.5-minute series topographic map (Figure 1). The GPS coordinates at the location of the removal are 39.279084° N, 80.609905° W.

The approximate cost of the project is \$14,000. As such, we have included a check in the amount of \$500.00 as outlined in the fee schedule.

As requested in your 9/16/2019 email, we will forward approval of all state and federal permits once received. The project will be covered under a non-reporting Nationwide Permit 3 (NWP 3) and an OLS Permit has been submitted to the WVDNR. A copy of the WVDNR approval will be provided once it is received.

Should you have any questions, please feel free to contact Chad Alberth via email at calberth@verdanterra.com. We appreciate your timely review of this application.

Respectfully,

Verdanterra, LLC

Chad Alberth, P.E.
Project Engineer
calberth@verdanterra.com

The Doddridge Independent

The Doddridge Independent PUBLISHER'S CERTIFICATE

I, Michael D. Zorn, Publisher of The Doddridge Independent, A newspaper of general circulation published in the town of West Union, Doddridge County, West Virginia, do hereby certify that:

Please take notice that on the (26th) of (August), 2019, (Antero Resources) filed an application for a Floodplain Permit (#19-558) to develop land located at or about (Long Run Road-Salem); Coordinates: 39.279157, -80.609966. The Application is on file with the Floodplain Manager of the County and may be inspected or copied during regular business hours in accordance to WV Code Chapter 29B Freedom of Information, Article 1 Public Records and county policy and procedures. Any interested persons who desire to comment shall present the same in writing by (September 23, 2019) (20 calendar days after the announcement at the regularly scheduled Doddridge County

was published in The Doddridge Independent
2 times commencing on Friday, August 30, 2019 and
Ending on Friday, September 6, 2019 at the request of:

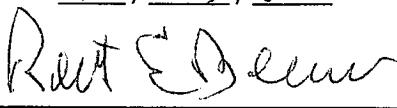
**George Eidel, Doddridge County Floodplain
Manager & Doddridge County Commission**

Given under my hand this Monday, September 23, 2019

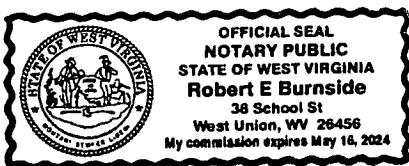
The publisher's fee for said publication is:
\$ 29.80 1st Run/\$ 22.35 Subsequent Runs
This Legal Ad Total: \$ 52.15


Michael D. Zorn
Publisher of The Doddridge Independent

Subscribed to and sworn to before me on
this date: 9 / 23 / 2019


Notary Public in and for Doddridge County
My Commission expires on

The 16 day of May 20 24



Floodplain Public Notice • Legal Notice

Please take notice that on the (26th) of (August), 2019, (Antero Resources) filed an application for a Floodplain Permit (#19-558) to develop land located at or about (Long Run Road-Salem); Coordinates: 39.279157, -80.609966. The Application is on file with the Floodplain Manager of the County and may be inspected or copied during regular business hours in accordance to WV Code Chapter 29B Freedom of Information, Article 1 Public Records and county policy and procedures. Any interested persons who desire to comment shall present the same in writing by (September 23, 2019) (20 calendar days after the announcement at the regularly scheduled Doddridge County Commission Meeting delivered to the Floodplain Manager of the County at 105 Court Street, Suite #3, West Union, WV 26456. This project is for the removal of culverts
C2 08/30 - 09/06