

# Commercial/Industrial Floodplain Development Permit

## Doddridge County, WV Floodplain Management

This permit has been issued to CRESTWOOD MARCELLUS MIDSTREAM LLC , 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: #14-194**

**Date Approved: 05/21/2014**

**Expires: 05/21/2015**

**Issued to: CRESTWOOD MARCELLUS MID LLC**

**POC: TYLER L. SPEAR  
304-624-4108**

**Company Address: 801 CHERRY ST. SUITE 3800  
FORT WORTH, TX 76102**

**Project Address: BLACKLICK RD/CO. RTE 15**

**Firm: 54017C0145C**

**Lat/Long: 39.267038N/80.651956W  
39.257315N/80.650861W**

**Purpose of development: PIPELINE**

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

**Date: 05/21/2014**

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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

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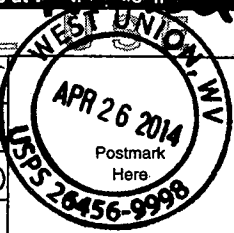
**U.S. Postal Service™  
CERTIFIED MAIL™ RECEIPT**

(Domestic Mail Only; No Insurance Coverage Provided)

For delivery information visit our website at [www.usps.com](http://www.usps.com)

**OFFICIAL USE**

Postage	\$ .48
Certified Fee	3.30
Return Receipt Fee (Endorsement Required)	2.70
Restricted Delivery Fee (Endorsement Required)	
<b>Total Postage &amp; Fees</b>	<b>\$ 6.48</b>



#14-194

Sent To David A & Terissa M. Kelley  
 Street, Apt. No., or PO Box No. Rt 1 Box 410  
 City, State, ZIP+4 Salem, WV 26426

PS Form 3800, August 2006 See Reverse for Instructions

7013 2250 0001 6914 8544

**U.S. Postal Service™  
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<b>Total Postage &amp; Fees</b>	<b>\$ 6.48</b>



#14-194

Sent To Guss Kelley Et ux  
 Street, Apt. No., or PO Box No. Rt 1 Box 411  
 City, State, ZIP+4 Salem, WV 26426

PS Form 3800, August 2006 See Reverse for Instructions

7013 2250 0001 6914 8544

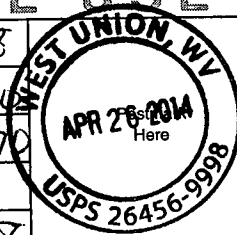
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<b>Total Postage &amp; Fees</b>	<b>\$ 6.48</b>



#14-194

Sent To Gregory L. Kelley  
 Street, Apt. No., or PO Box No. Rt 1 Box 414  
 City, State, ZIP+4 Salem, WV 26426

PS Form 3800, August 2006 See Reverse for Instructions

7013 2250 0001 6914 8544

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<b>Total Postage &amp; Fees</b>	<b>\$ 6.48</b>



#194

Sent To Samuel Hileman Est  
40 Albert H. Hileman  
 Street, Apt. No., or PO Box No. 435 17th St. NW  
 City, State, ZIP+4 Barberton, OH 44203

PS Form 3800, August 2006 See Reverse for Instructions

7013 2250 0001 6914 8544

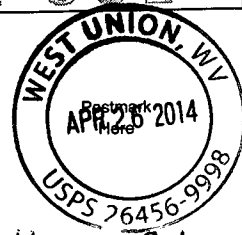
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Restricted Delivery Fee (Endorsement Required)	
<b>Total Postage &amp; Fees</b>	<b>\$ 6.48</b>



#14-194

Sent To Richard Keith Tozwick  
 Street, Apt. No., or PO Box No. Rt 1 Box 394  
 City, State, ZIP+4 Salem, WV 26426

PS Form 3800, August 2006 See Reverse for Instructions

7013 2250 0001 6914 8575

## 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: #14-194  
 Samuel H. Ieman Est.  
 c/o Albert H. Ieman  
 435 17<sup>th</sup> St. NW  
 Barberton, OH 44203

2. Article Number  
 (Transfer from service label)

7013 2250 0001 6914 8537

## COMPLETE THIS SECTION ON DELIVERY

A. Signature

\* Diane Baker

- Agent  
 Addressee

B. Received by (Printed Name)

DIANE BAKER

C. Date of Delivery

5/6/14

D. Is delivery address different from item 1?  Yes

If YES, enter delivery address below:  No

145 St John  
 Barberton OH 44203

3. Service Type

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

4. Restricted Delivery? (Extra Fee)

Yes



**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: #14-194

David A & Terissa M. Kelley  
 Rt. 1 Box 410  
 Salem, WV 26426

2. Article Number  
(Transfer from service label)

7013 2250 0001 6914 8544

**COMPLETE THIS SECTION ON DELIVERY**

A. Signature

X *Terissa Kelley*  Agent  
 Addressee

B. Received by (Printed Name)

*T. Kelley*

C. Date of Delivery

*4/28/14*D. Is delivery address different from item 1?  YesIf 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 •

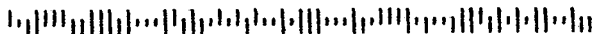
FILED

2014 APR 29 AM 11:22

ELIM A. ANDERS  
COUNTY CLERK  
BOONVILLE COUNTY, WV

Wriston

Boonville County FloodPlain MGT  
108 East Court St., Suite 102  
West Union, WV 26456



**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: # 14-194  
 Guss Kelley, Ft Wx  
 Rt. 1 Box 411  
 Salem, WV 26426

2. Article Number  
 (Transfer from service label)

7013 2250 0001 6914 8551

PS Form 3811, July 2013

Domestic Return Receipt

**COMPLETE THIS SECTION ON DELIVERY**

A. Signature

X *Guss Kelley*  Agent  
 Addressee

B. Received by (Printed Name)

*Guss Kelley*

C. Date of Delivery

*4/28/14*

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





**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: #14-194

Richard Keith Jozwick  
 Rt 1 Box 394  
 Salem WV ~~26426~~  
 26426

2. Article Number  
(Transfer from service label)

7013 2250 0001 6914 8575

**COMPLETE THIS SECTION ON DELIVERY**

A. Signature

X


 Agent Addressee

B. Received by (Printed Name)

R Jozwick

C. Date of Delivery

5/2/14

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 •

**FILED**

**2014 MAY -5 AM 10:04**

**BETHA  
COUNTY  
BRIDGE COUNTY, WV**

riston  
Bridge County FloodPlain MGT  
118 East Court St., Suite 102  
West Union, WV 26456



**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: # 14-194

Gregory L. Kelley  
 Rt 1 Box 414  
 Salem, WV 26426

2. Article Number

(Transfer from service label)

7013 2250 0001 6914 8568

PS Form 3811, July 2013

Domestic Return Receipt

**COMPLETE THIS SECTION ON DELIVERY**

A. Signature

x Lucretia Kelley

- Agent  
 Addressee

B. Received by (Printed Name)

Lucretia Kelley

C. Date of Delivery

D. Is delivery address different from item 1?  Yes

If YES, enter delivery address below:

 No

MAY 02 2014

3. Service Type

USPS

- Certified Mail®  Priority Mail Express™  
 Registered Mail  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

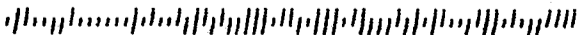
**FILED**

**2014 MAY -5 AM 10:14**

**ELIH A. ROGERS  
COUNTY CLERK  
BRIDGE COUNTY, WV**

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

Bo Weston  
Dodge County FloodPlain MGT  
118 East Court St., Suite 102  
West Union, WV 26456



# Doddridge County, West Virginia

RECEIPT NO: 2015

DATE: 2014/04/25

FROM: THE THRASHER GROUP INC

AMOUNT: \$ 996.25

NINE HUNDRED NINETY SIX DOLLARS AND 25 CENTS

---

FOR: #14-194 CRESTWOOD MARCELLUS MIDSTREAM  
KUHL TO TIE IN PIPELINE

00000081211 FP-BUILDING PERMITS

020-318

TOTAL: \$996.25

MICHAEL HEADLEY

SHERIFF & TREASURER

MEC

CLERK

Customer Copy



Letter of Transmittal

TO: DODDRIDGE COUNTY COMMISSION  
118 EAST COURT STREET  
WEST UNION, WV 26456

DATE 4/21/14 PROJECT # 101-070-0285  
ATTN: FLOOD PLANN SUPERVISOR  
RE:

FILED

2014 APR 22 PM 12:08

BRITH...  
COUNTY...  
DODDRIDGE...  
WV

WE ARE SENDING  ATTACHED  ENCLOSED  
 UNDER SEPARATE COVER VIA \_\_\_\_\_

THE FOLLOWING ITEMS

SHOP DRAWINGS  PRINTS  PLANS  SAMPLES  SPECIFICATIONS  
 COPY OF LETTER  CHANGE ORDER  TESTING REPORTS  OTHER

COPIES	DATE	NO.	DESCRIPTION
1	4/21/14	1	CHECK # 81211

THESE ARE TRANSMITTED AS CHECKED BELOW:

For Approval  Approved as Submitted  Resubmit  Copies for Approval  
 For Your Use  Approved as Noted  Submit  Copies for Approval  
 As Requested  Returned for Corrections  Return  Corrected Prints  
 For Signature and Processing

FOR BIDS DUE \_\_\_\_\_ PRINTS RETURNED AFTER LOAN TO US

REMARKS ENCLOSED IS A CHECK FOR FEES ASSOCIATED  
WITH THE DODDRIDGE COUNTY LOCATION IMPROVEMENT PERMIT APPLICATION  
FOR THE KUHLE TO TIE-IN PIPELINE.

CC: \_\_\_\_\_ SIGNED

600 White Oaks Blvd. PO BOX 940 Bridgeport, WV 26330

TEL: 304.624.4108 FAX: 304.624.7831 EMAIL: thrasher@thrashereng.com

Legal Advertisement:  
Doddridge County  
Floodplain Permit Application

Please take notice that on the 24<sup>th</sup> day of April, 2014

**CRESTWOOD MARCELLUS MIDSTREAM LLC. #14-194**

filed an

application for a Floodplain Permit to develop land located at or  
about: **SURFACE OWNERS: RICHARD K JOZWICK, GREGORY KELLEY,  
GUSS KELLEY, ET UX, DAVID & TERISSA M KELLEY, AND SAMUEL HILEMAN  
EST. %ALBERT HILEMAN  
GREENBRIER DISTRICT BUCKEYE FORK OF M I CREEK, TAX MAP 3 PARCEL  
3,4,6,7,14,8,&15.**

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 **May 14, 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

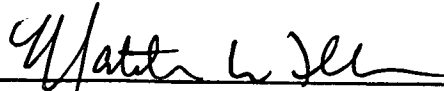
#14-194  
Crestwood Marcellus Mids  
Kuhl to Tie in Pipeline

# 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



DATE

4/16/14

## 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:** Crestwood Marcellus Midstream LLC

**ADDRESS:** 801 Cherry St., Suite 3800 Fort Worth, TX 76102

**TELEPHONE NUMBER:** (817) 339-5400



**BUILDER'S NAME:** \_\_\_\_\_

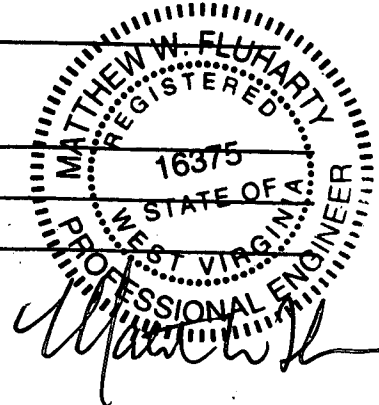
**ADDRESS:** \_\_\_\_\_

**TELEPHONE NUMBER:** \_\_\_\_\_

**ENGINEER'S NAME:** Matthew Fluharty, PE, The Thrasher Group, Inc.

**ADDRESS:** 600 White Oaks Blvd., Bridgeport, WV 26330

**TELEPHONE NUMBER:** (304) 624-4108



**PROJECT LOCATION:**

**NAME OF SURFACE OWNER/OWNERS (IF NOT THE APPLICANT)** Please see attachment \_\_\_\_\_

**ADDRESS OF SURFACE OWNER/OWNERS (IF NOT THE APPLICANT)** \_\_\_\_\_

**DISTRICT:** \_\_\_\_\_

**DATE/FROM WHOM PROPERTY**

**PURCHASED:** \_\_\_\_\_

**LAND BOOK DESCRIPTION:** \_\_\_\_\_

**DEED BOOK REFERENCE:** \_\_\_\_\_

**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 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 Altercation (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 \$ 299,250**

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

Surface Owners

DIST NAME	DIS	MAP	PAR	SUB	OWNER	ADDRESS	CITY,ST,ZIP	LOCATION	BOOK	PAGE	LEGAL DESC
Greenbrier	4	3	3		Jozwick Richard Keith (Life)	Rt 1 Box 394	Salem WV 26426	Salem Rt 1	262	25	Buckeye Fork of M I Creek 4.19 AC
Greenbrier	4	3	4		Kelley Gregory L	Rt 1 box 414	Salem WV 26426	Rt 1 Salem	275	188	Buckeye Fork of M I Creek 39 AC
Greenbrier	4	3	6		Kelley Guss Et Ux	Rt 1 Box 411	Salem WV 26426	Salem Road 1	176	473	Buckeye 123.45 AC six TR
Greenbrier	4	3	6	1	Kelley Guss T & Merelene (SURV)	Route 1 Box 411	Salem WV 26426	Rt 15	232	176	Lot "A" .530 ac Buckeye
Greenbrier	4	3	7		Kelley David A & Terissa M (SURV)	Route 1 Box 410	Salem WV 26426	Salem Rt 15	232	180	Buckeye .27 Ac
Greenbrier	4	3	14		Jozwick Richard Keith (Life)	Rt 1 Box 394	Salem WV 26426	Salem Road 15	262	25	Buckeye Fork of M I Creek 181.25 Ac
Greenbrier	4	3	8	1	Kelley Guss Et Ux	Rt 1 Box 411	Salem WV	Rt 15	177	363	3.0 Ac Buckeye Fr
Greenbrier	4	3	15		Hileman Samuel Estate %Albert Hileman	435 17th Street NW	Barberton OH 44203	Rt 15	AB39	449	Buckeye 1.75 Ac

Upstream

DIST NAME	DIS	MAP	PAR	SUB	OWNER	ADDRESS	CITY,ST,ZIP	LOCATION	BOOK	PAGE	LEGAL DESC
Greenbrier	4	3	14		Jozwick Richard Keith (Life)	Rt 1 Box 394	Salem WV 26426	Salem Road 15	262	25	Buckeye Fork of M I Creek 181.25 Ac
Greenbrier	4	3	15		Hileman Samuel Estate %Albert Hileman	435 17th Street NW	Barberton OH 44203	Rt 15	AB39	449	Buckeye 1.75 Ac

Downstream

DIST NAME	DIS	MAP	PAR	SUB	OWNER	ADDRESS	CITY,ST,ZIP	LOCATION	BOOK	PAGE	LEGAL DESC
Greenbrier	4	3	3		Jozwick Richard Keith (Life)	Rt 1 Box 394	Salem WV 26426	Salem Rt 1	262	25	Buckeye Fork of M I Creek 4.19 Ac
Greenbrier	4	3	6		Kelley Guss Et Ux	Rt 1 Box 411	Salem WV 26426	Salem Road 1	176	473	Buckeye 123.45 Ac Six TRS

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: \_\_\_\_\_  
 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: \_\_\_\_\_  
 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.

- (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 (PRINT): Matthew W Fisher

SIGNATURE: Matthew W Fisher DATE: 4/16/14

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** \_\_\_\_\_

**Crestwood Marcellus  
Midstream LLC**

**Kuhl to Tie In Pipeline**

**THRASHER GROUP, INC. PROJECT # 101-015-0205**

**DODDRIDGE COUNTY LOCATION**

**IMPROVEMENT PERMIT**





Typical above ground riser valve

Kuhl Pipeline Project  
Jurisdictional Features Stream and Wetland Delineation Photo Log  
4/2/2014



1) UNT 1 (EPH) facing upstream



2) UNT 1 (EPH) facing downstream



3) UNT 2 (EPH) facing upstream



4) UNT 2 (EPH) facing downstream

Kuhl Pipeline Project  
Jurisdictional Features Stream and Wetland Delineation Photo Log  
4/2/2014



5) Buffalo Calf (PER) facing upstream



6) Buffalo Calf (PER) facing downstream



7) UNT 3 (EPH) facing upstream



8) UNT 3 (EPH) facing downstream

Kuhl Pipeline Project  
Jurisdictional Features Stream and Wetland Delineation Photo Log  
4/2/2014



9) Wetland 1 (PEM) facing North



10) Wetland 1 (PEM) facing South



11) Wetland 1 (PEM) facing East



12) Wetland 1 (PEM) facing West

Kuhl Pipeline Project  
Jurisdictional Features Stream and Wetland Delineation Photo Log  
4/2/2014



13) Wetland 1 (PEM) Test Pit



14) Wetland 1 (PEM) Soil Profile



15) UNT 4 (INT) facing upstream



16) UNT 4 (INT) facing downstream

Kuhl Pipeline Project  
Jurisdictional Features Stream and Wetland Delineation Photo Log  
4/2/2014



17) Wetland 2 (POW) facing South



18) Tie-in area facing east



19) 4" CPP (Culvert Exit) for WL 2 overflow



20) 12" SMP culvert entrance

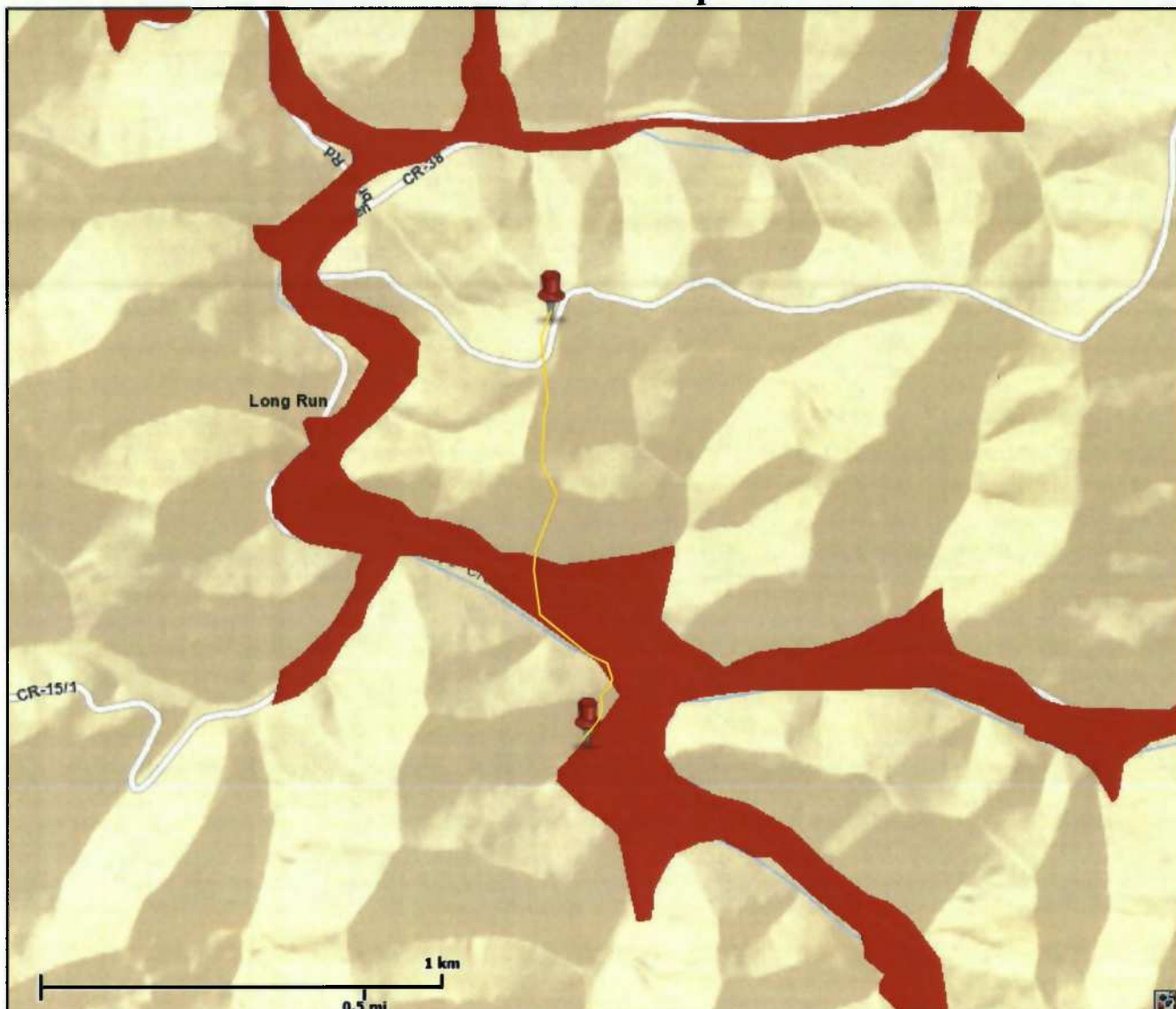


Kuhl Pipeline Project  
Jurisdictional Features Stream and Wetland Delineation Photo Log  
4/2/2014




21) 12" SMP culvert exit

# WV Flood Map



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

Map Created on 4/14/2014

 Location of the mouse click

 **Flood Hazard Zone**  
(1% annual chance floodplain)

### User Notes:

### 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. To obtain more detailed information in areas where Base Flood Elevations have been determined, users are encouraged to consult the latest Flood Profile data contained in the official flood insurance study. These studies are available online at [www.msc.fema.gov](http://www.msc.fema.gov).

WV Flood Tool is supported by FEMA, WV NFIP Office, and WV GIS Technical Center  
(<http://www.MapWV.gov/flood>)

### Flood Hazard Area:

**Elevation:** About 1163 feet

**Location (long, lat):** 80.651538 W, 39.262787 N

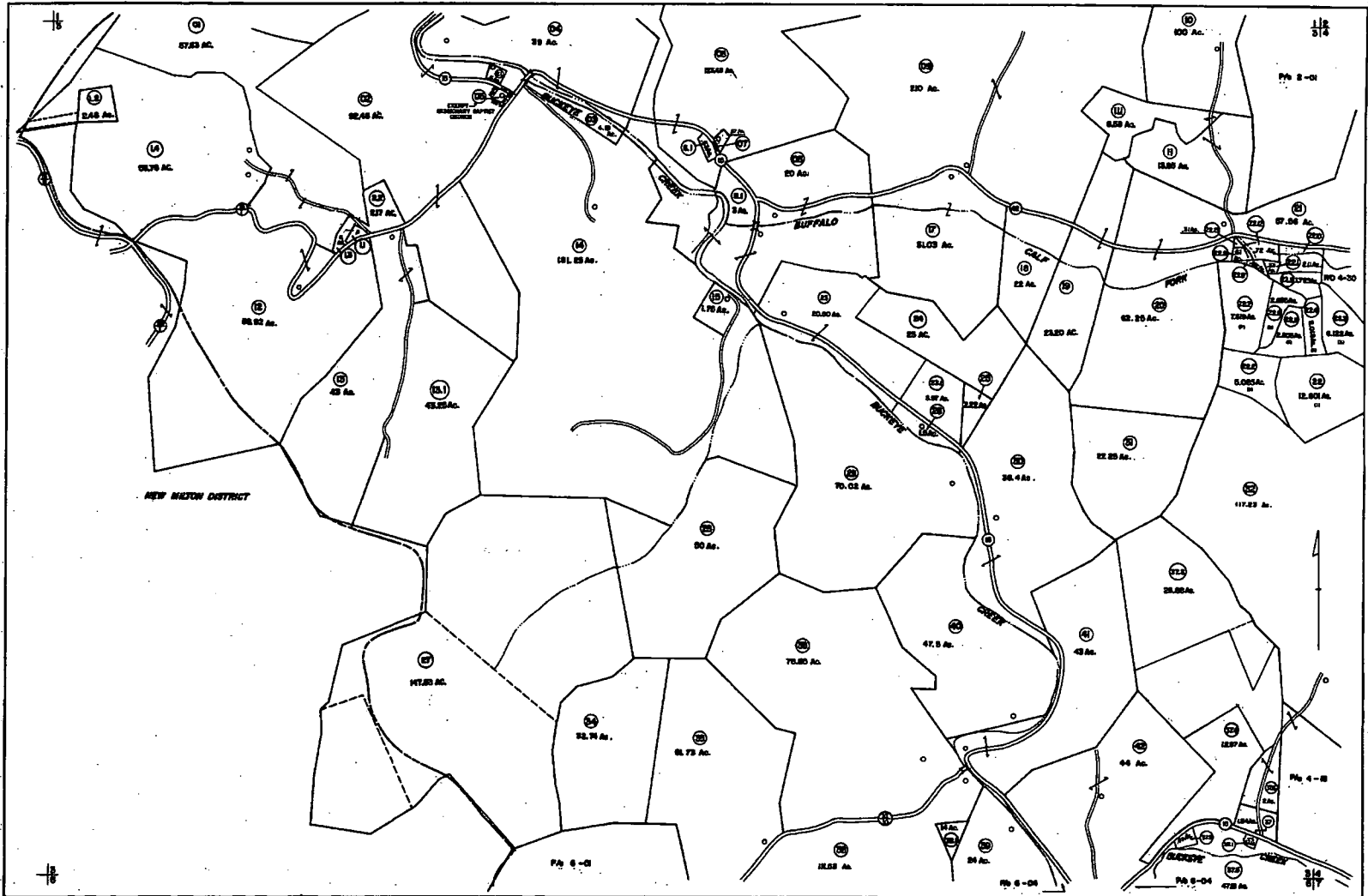
**Location (UTM 17N):** (530062, 4345997)

**FEMA Issued Flood Map:** 54017C0145C

**Contacts:** Doddridge County

**CRS Information:** N/A

**Parcel Number:**



FOR TAX PURPOSES ONLY

Drawn by  
L. ROBERT KIMBALL  
County Engineer  
Martinsburg, Pennsylvania

Legend

Property line	Shaded for first
Side of easement or road	Shaded for second
Development line	Shaded for third
Boundary line	Shaded for fourth
County line	Shaded for fifth

Revisions	
1. 1/20/20	2. 1/20/20
3. 1/20/20	4. 1/20/20
5. 1/20/20	6. 1/20/20
7. 1/20/20	8. 1/20/20
9. 1/20/20	10. 1/20/20
11. 1/20/20	12. 1/20/20
13. 1/20/20	14. 1/20/20
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83. 1/20/20	84. 1/20/20
85. 1/20/20	86. 1/20/20
87. 1/20/20	88. 1/20/20
89. 1/20/20	90. 1/20/20
91. 1/20/20	92. 1/20/20
93. 1/20/20	94. 1/20/20
95. 1/20/20	96. 1/20/20
97. 1/20/20	98. 1/20/20
99. 1/20/20	100. 1/20/20

STATE OF WEST VIRGINIA  
DODDRIDGE COUNTY  
Office of Assessor

GREENBRIER DISTRICT  
SHEET 03

Date: Aerial Photography 2001, 2002  
Photo No. 2001-01  
Date: Map 2001, 2002  
Scale: 1" = 400'



Figure 1: Site Location  
 Kuhl to Tie-In  
 Doddridge County - West Virginia





Drive 10.1 mi, 17 min

Directions from **Doddridge County Court Clerk** to **Oak, WV, USA**

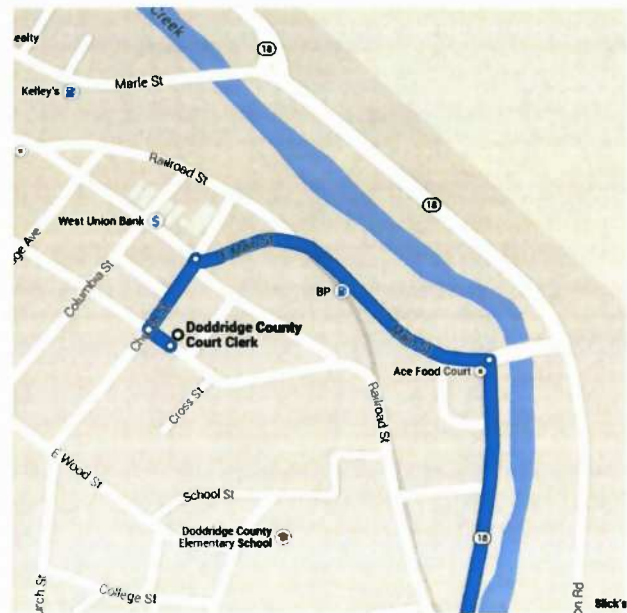


**Doddridge County Court Clerk**  
118 E Court St #102, West Union, WV 26456

Take **WV-18 S** to **US-50 E**

0.8 mi / 3 min

- ↑ 1. Head northwest on **Court St** toward Church St
  - ↘ 2. Take the 1st right onto **Church St** 79 ft
  - ↘ 3. Take the 2nd right onto **E Main St** 256 ft
  - ↘ 4. Turn right onto **WV-18 S** 0.2 mi
- 0.5 mi



Turn **left** onto **US-50 E**



5.6 mi / 6 min





NWI  
LOD  
1 inch = 400 feet

Note: NWI data is downloaded from the US Fish & Wildlife website and used without any edits or modifications.

Source: Esri, DigitalGlobe, GeoEye, Icube, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community

THRASHER

Figure 2: NWI Mapper  
Kuhl to Tie-In  
Doddridge County - West Virginia



4/11/2014

By: TDavis



LOD  
 1 inch = 400 feet

Source: Esri, DigitalGlobe, GeoEye, Earthstar, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community

THRASHER

Figure 3: Soil Types  
Kuhl to Tie-In

Doddridge County - West Virginia



4/11/2014

By: TDavis





- |                 |                    |
|-----------------|--------------------|
| <b>Streams</b>  | ● Culvert Entrance |
| — Ephemeral     | ● Culvert Exit     |
| — Intermittent  | ● OHWM             |
| — Perennial     | — Pipeline         |
| <b>Wetlands</b> | — Access Road      |
| ▨ PEM           | ▨ Workspace        |
| ▨ POW           | ▨ LOD              |
- 1 inch = 400 feet

Source: Esri, DigitalGlobe, GeoEye, i-cubed, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community

Figure 4: Delineation  
Kuhl to Tie-In

Doddridge County - West Virginia



1/4 Mile Buffer - (150.61 ac)  
Non-Forested Area  
LOD - (7.15 ac)  
5.13 Forested Acres in LOD  
116.75 Forested Acres in 1/4 Mile Buffer  
1 inch = 400 feet

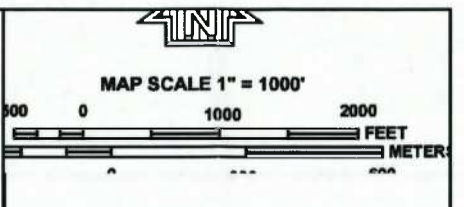
Source: Esri, DigitalGlobe, GeoEye, Earthstar, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community

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Forested Acres  
Kuhl to Tie-In  
Doddridge County - West Virginia



4/11/2014



**FIRM**  
**PANEL 0145C**

**FIRM**  
**FLOOD INSURANCE RATE MAP**  
**DODDRIDGE COUNTY,**  
**WEST VIRGINIA**  
**AND INCORPORATED AREAS**

PANEL 145 OF 325  
 (SEE MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS:

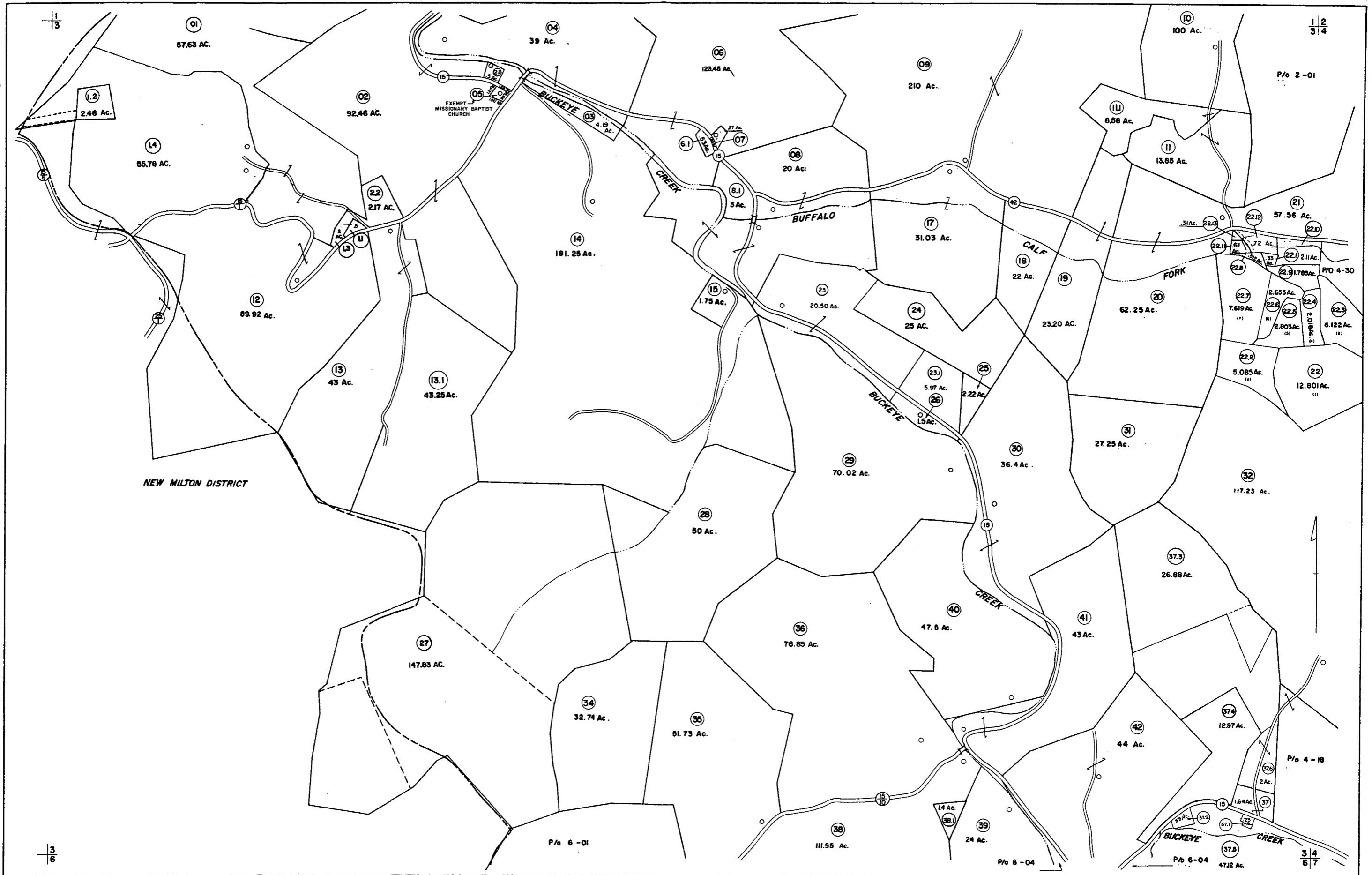
COMMUNITY	NUMBER	PANEL	SUFFIX
DODDRIDGE COUNTY	540024	0145	C

Notice to User: The Map Number shown below should be used when placing map orders; the Community Number shown above should be used on insurance applications for the subject community.

**MAP NUMBER**  
**54017C0145C**  
**MAP REVISED**  
**OCTOBER 4, 2011**  
 Federal Emergency Management Agency

JOINS PANEL 0235

This is an official copy of a portion of the above referenced flood map. It was extracted using FIRM On-Line. This map does not reflect changes or amendments which may have been made subsequent to the date on the title block. For the latest product information about National Flood Insurance Program flood maps check the FEMA Flood Map Store at [www.msc.fema.gov](http://www.msc.fema.gov)



FOR TAX PURPOSES ONLY

Prepared by  
**L. ROBERT KIMBALL**  
 Consulting Engineer  
 Frenchtown, Pennsylvania

**Legend**

Property line	Original lot line
Edge of pavement or roadway	Dead lot number in parenthesis (15)
Corporation line	Parcel or index number in circle (16)
District line	Improvement
County line	Railroad

**Revisions**

1	REVISED 3/10/64	1	OGIS 1-4-91	JB	1	SLS INC. 2/16/99	DSW
2	8-20-76	2	OGIS 10-24-91	NK	2	3/1/04	SBH
3	3/28/80	3	OGIS 12-8-92	JEB	3	3/17/06	SBH
4	REV. 7-81 DR 7-82 T. Groves	4	OGIS 2-95	HD	4	4/6/07	SBH
5	REV. 7-1-86 C.P.	5	O.G.I.S 1-23-96	J.E.R.	5		
		6	OGIS 12-96	HD	6		

STATE OF WEST VIRGINIA  
 DODDRIDGE COUNTY  
 Office of Assessor

GREENBRIER DISTRICT  
 SHEET 03

Date, Aerial Photography: APRIL, 1962 Date, Map: JULY, 1963

Kuhl to Tie In

- 1,330 LF in floodplain
- At a price of \$225 which equals \$299,250
- Minus \$100,000 from that to get \$199,250
- Divide by a 1000 which gives you 199.25
- Times it by 5 which equals \$996.25, giving that total of the check

<b>Doddridge County Floodplain Fee Calculator</b>	
Estimated Construction Costs	\$299,250.00
Amount over \$100,000	\$199,250.00
Initial fee	\$1,000.00
\$5 per \$1,000 over \$100,000	\$199.25
Cost for permit	\$996.25

# THRASHER

# 14-194  
Crestwood Marcellus  
midstream  
Kuhl to Tie in Pipeline

April 17, 2014

Mr. Bo Wristen, Floodplain Supervisor  
Doddridge County Commission  
118 East Court Street  
West Union, WV 26456

**RE: *Doddridge County Location Improvement Permit  
Crestwood Marcellus Midstream, LLC  
Kuhl to Tie In Pipeline  
Doddridge County, West Virginia  
Thrasher Project #101-015-0205***

2014 APR 21 PM 2:19  
BETH A. ROGERS  
COUNTY CLERK  
DODDRIDGE COUNTY, WV

FILED

To Mr. Wristen:

On behalf of Crestwood Marcellus Midstream, LLC (Crestwood), The Thrasher Group, Inc., is submitting to your office for review and approval an application package for a Doddridge County Location Improvement Permit for a proposed pipeline in the USGS Smithburg 7.5 minute quadrangle of Doddridge County, WV. The proposed area of interest (AOI) for the Kuhl to Tie-In pipeline consists of a 75' wide right-of-way (ROW) which contains approximately 7.15 acres. The proposed steel 12" Kuhl to Tie-In pipeline originates at the Kuhl Well Pad located at approximately 39.267038 N / 80.651956 W. From there it extends 4,000 LF south to an above ground riser located in a 150' x 150' Tie-In area at the coordinates; 39.257315 N / 80.650861 W. The proposed project will also involve expanding an existing access road as well as creating additional 50' x 100' workspaces.

The proposed Kuhl to Tie In pipeline has approximately 1,330 LF in the floodplain. The pipeline will traverse Buckeye Creek using open cut construction methods. Please see attached WV Flood Tool Map and FIRM Maps (Doddridge County Panels 145 of 325) with the pipeline overlaid.

The USGS topographical map, aerial imagery map, FIRM map, and WV Flood Tool Map contained herein depict the proposed limits of disturbance associated with the proposed construction. Additionally, please see attached permit application, and permit fee worksheet, as well as copies of all required federal and state permit applications. No above-ground structures are proposed to be constructed within the 100 year floodplain. Note that all required federal and state permit applications have been submitted for the project and are attached. Approvals will be forwarded to your office upon receipt.

Please see attached permit application, permit fee worksheet and payment.

If any further documentation is required for this project, or if any questions may arise please feel free to contact me at your convenience at (304) 624-4108 or [tspear@thrashereng.com](mailto:tspear@thrashereng.com).

# THRASHER

Sincerely,

THRASHER GROUP, INC.

  
Tyler L. Spear

Environmental Scientist

Enclosures

R:\015-0205 Crestwood- Kuhl to Tie In Pipeline\Documents\Permitting\Environmental\Correspondence\DCLIP\CoverLetter





# THRASHER

Sincerely,

THRASHER GROUP, INC.

*Tyler L. Spear*  
Tyler L. Spear

Environmental Scientist

MATTHEW W. FLUHARTY  
REGISTERED  
16375  
STATE OF  
WEST VIRGINIA  
PROFESSIONAL ENGINEER  
*Matthew W. Fluharty* 4/23/14

Enclosures

R:\015-0205 Crestwood- Kuhl to Tie In Pipeline\Documents\Permitting\Environmental\Correspondence\DCLIP\CoverLetter

# THRASHER

April 17, 2014

U.S. Fish and Wildlife Service  
West Virginia Field Office  
694 Beverly Pike  
Elkins, WV 26241

**RE: *Project Review Request  
Crestwood Marcellus Midstream LLC  
Kuhl to Tie-In Pipeline, Doddridge County, West Virginia  
Thrasher Project #101-015-0205***

To whom it may concern:

On behalf of Crestwood Marcellus Midstream LLC (Crestwood), The Thrasher Group, Inc. (Thrasher) is submitting to your office a project review request for a proposed linear pipeline project in the USGS Smithburg 7.5 minute quadrangle of Doddridge County, WV.

The proposed area of interest (AOI) for the Kuhl to Tie-In pipeline consists of a 75' wide right-of-way (ROW) which contains approximately 7.15 acres. The proposed steel 12" Kuhl to Tie-In pipeline originates at the Kuhl Well Pad located at approximately 39.267038 N / 80.651956 W. From there it extends 4,000 LF south to an above ground riser located in a 150' x 150' Tie-In area at the coordinates; 39.257315 N / 80.650861 W. The proposed project will also involve expanding an existing access road as well as creating additional 50' x 100' workspaces.

Thrasher staff identified five (5) streams and two (2) wetlands during field investigations. Three (3) of the identified streams will be crossed and temporarily impacted using open cut construction methods. Buckeye Creek is a named perennial stream, which is considered a high quality stream by the West Virginia Division of Natural Resources and is known to harbor both fish spawning and freshwater mussel populations. A freshwater mussel study will need to be conducted prior to construction. After the pipeline is installed the stream will be restored to original contour, slope, and grade at the time of completion. Thrasher understands all material removed during excavation will be temporarily side cast and used for backfill. The intended AOI will be returned to the original contour, slope, and grade at the time of completion. The attached delineation mapping depicts all findings associated with the proposed Kuhl to Tie In pipeline AOI.

Of the 7.15 acres contained within the AOI, approximately 5.13 acres are forested and will require timbering before construction can commence. Please see attached forested

# THRASHER

U.S. Fish and Wildlife Services  
April 17, 2014  
Page 2 of 2


acreage map. In addition, no specific Indiana Bat habitat, portals or caves were identified within the intended AOI.

The USGS topographical map and aerial imagery map contained herein depict the proposed pipeline right of way. The included photo log displays all aquatic resources identified within the AOI as well as typical habitat within the intended AOI. The CD included with this submittal contains shapefiles depicting the extent of the proposed AOI.

If any further documentation or permitting is requested for this project, or if any questions or concerns should arise, please feel free to contact me at your earliest convenience at (304) 624-4108 or [tspear@thrashereng.com](mailto:tspear@thrashereng.com).

Sincerely,

THE THRASHER GROUP, INC.



Tyler L. Spear  
Environmental Scientist

Enclosure

R:\015-0205 - Crestwood - Kuhl to Tie-In Pipeline -  
Environmental\Documents\Permitting\Environmental\Correspondence\USFWS\CoverLetter

# THRASHER

April 17, 2014

Mr. Joe Scarberry, Supervisor  
Office of Land and Streams  
WV Division of Natural Resources  
324 Fourth Avenue, Room 200  
South Charleston, WV 25303-1228

**RE: *Stream Activity Application  
Crestwood Marcellus Midstream LLC  
Kuhl to Tie In Pipeline, Doddridge County, West Virginia  
Thrasher Project #101-015-0205***

Dear Mr. Scarberry:

On behalf of Crestwood Marcellus Midstream LLC (Crestwood), The Thrasher Group, Inc. (Thrasher), is submitting the following packet and Stream Activity Application to your office for a proposed linear pipeline project in the USGS Smithburg 7.5 minute quadrangle of Doddridge County, WV.

The proposed area of interest (AOI) for the Kuhl to Tie-In pipeline consists of a 75' wide right-of-way (ROW) which contains approximately 7.15 acres. The proposed steel 12" Kuhl to Tie-In pipeline originates at the Kuhl Well Pad located at approximately 39.267038 N / 80.651956 W. From there it extends 4,000 LF south to an above ground riser located in a 150' x 150' Tie-In area at the coordinates; 39.257315 N / 80.650861 W. The proposed project will also involve expanding an existing access road as well as creating additional 50' x 100' workspaces.

Thrasher staff identified five (5) streams and two (2) wetlands during field investigations. Three (3) of the identified streams will be crossed and temporarily impacted using open cut construction methods. Buckeye Creek is a named perennial stream, which is considered a high quality stream by the West Virginia Division of Natural Resources and is known to harbor both fish spawning and freshwater mussel populations. A freshwater mussel study will need to be conducted prior to construction. After the pipeline is installed the stream will be restored to original contour, slope, and grade at the time of completion. Thrasher understands all material removed during excavation will be temporarily side cast and used for backfill. The intended AOI will be returned to the original contour, slope, and grade at the time of completion. The attached delineation mapping depicts all findings associated with the proposed Kuhl to Tie In pipeline AOI.

# THRASHER

Mr. Scarberry  
Page 2 of 2  
April 17, 2014

The USGS topographical map and aerial imagery map contained herein depict the proposed site. The included photo log displays all identified aquatic resources within the AOI as well as typical habitat within the intended AOI.

If any further documentation or permitting is required for this project, or if any questions may arise please feel free to contact me at your earliest convenience at (304) 624-4108 or [tspear@thrashereng.com](mailto:tspear@thrashereng.com).

Sincerely,

THE THRASHER GROUP, INC.



Tyler L. Spear  
Environmental Scientist  
Enclosure

R:\015-0205 - Crestwood - Kuhl to Tie In Pipeline - Environmental\Documents\Permitting\Environmental\Correspondence\WVDNR  
OLS\Cover Letter

# THRASHER

April 17, 2014

Ms. Barbara Sargent, Environmental Resources Specialist  
Wildlife Diversity Unit  
WV Division of Natural Resources, Wildlife Resources Division  
P.O. Box 67  
Elkins, WV 26241

**RE: *Rare, Threatened and Endangered Species Review  
Crestwood Marcellus Midstream LLC  
Kuhl to Tie In Pipeline, Doddridge County, West Virginia  
Thrasher Project #101-015-0205***

Dear Ms. Sargent:

On behalf of Crestwood Marcellus Midstream LLC (Crestwood), The Thrasher Group, Inc. (Thrasher), is submitting to your office, a request for habitat assessment for any rare, threatened and endangered (RTE) wildlife resources for a proposed linear pipeline project in the USGS Smithburg 7.5 minute quadrangle of Doddridge County, WV.

The proposed area of interest (AOI) for the Kuhl to Tie-In pipeline consists of a 75' wide right-of-way (ROW) which contains approximately 7.15 acres. The proposed steel 12" Kuhl to Tie-In pipeline originates at the Kuhl Well Pad located at approximately 39.267038 N / 80.651956 W. From there it extends 4,000 LF south to an above ground riser located in a 150' x 150' Tie-In area at the coordinates; 39.257315 N / 80.650861 W. The proposed project will also involve expanding an existing access road as well as creating additional 50' x 100' workspaces.

Thrasher staff identified five (5) streams and two (2) wetlands during field investigations. Three (3) of the identified streams will be crossed and temporarily impacted using open cut construction methods. Buckeye Creek is a named perennial stream, which is considered a high quality stream by the West Virginia Division of Natural Resources and is known to harbor both fish spawning and freshwater mussel populations. A freshwater mussel study will need to be conducted prior to construction. After the pipeline is installed the stream will be restored to original contour, slope, and grade at the time of completion. Thrasher understands all material removed during excavation will be temporarily side cast and used for backfill. The intended AOI will be returned to the original contour, slope, and grade at the time of completion. The attached delineation mapping depicts all findings associated with the proposed Kuhl to Tie In pipeline AOI.

# THRASHER

Ms. Sargent  
Page 2 of 2  
April 17, 2014

Of the 7.15 acres contained within the AOI, approximately 5.13 acres are forested and will require timbering before construction can commence. Please see attached forested acreage map. In addition, no specific Indiana Bat habitat, portals or caves were identified within the intended AOI.

The USGS topographical map and aerial imagery map contained herein depict the proposed pipeline route and the proposed 75' construction right of way. The included photo log displays all identified aquatic resources within the AOI as well as typical habitat along the proposed pipeline right of way.

If any further documentation or permitting is required for this project, or if any questions may arise please feel free to contact me at your earliest convenience at (304) 624-4108 or [tspear@thrashereng.com](mailto:tspear@thrashereng.com).

Sincerely,

THE THRASHER GROUP, INC.



Tyler L. Spear  
Environmental Scientist  
Enclosure

R:\015-0205 - Crestwood - Kuhl to Tie In Pipeline - Environmental\Documents\Permitting\Environmental\Correspondence\WVDNR  
RTE\Cover Letter

# THRASHER

April 17, 2014

Ms. Susan Pierce, Deputy State Historic Preservation Officer  
The Cultural Center  
1900 Kanawha Blvd., E.  
Charleston, WV 25305-0300

**RE: *WVSHPO Section 106 Review  
Crestwood Marcellus Midstream LLC  
Kuhl to Tie In Pipeline, Doddridge County, West Virginia  
Thrasher Project #101-015-0205***

Dear Ms. Pierce:

On behalf of Crestwood Marcellus Midstream LLC (Crestwood), The Thrasher Group, Inc. (Thrasher), is submitting to your office a review for environmental due diligence a proposed pipeline project in the USGS Smithburg 7.5 minute quadrangle of Doddridge County, WV.

The proposed area of interest (AOI) for the Kuhl to Tie-In pipeline consists of a 75' wide right-of-way (ROW) which contains approximately 7.15 acres. The proposed steel 12" Kuhl to Tie-In pipeline originates at the Kuhl Well Pad located at approximately 39.267038 N / 80.651956 W. From there it extends 4,000 LF south to an above ground riser located in a 150' x 150' Tie-In area at the coordinates; 39.257315 N / 80.650861 W. The proposed project will also involve expanding an existing access road as well as creating additional 50' x 100' workspaces.

Thrasher staff identified five (5) streams and two (2) wetlands during field investigations. Three (3) of the identified streams will be crossed and temporarily impacted using open cut construction methods. Buckeye Creek is a named perennial stream, which is considered a high quality stream by the West Virginia Division of Natural Resources and is known to harbor both fish spawning and freshwater mussel populations. A freshwater mussel study will need to be conducted prior to construction. After the pipeline is installed the stream will be restored to original contour, slope, and grade at the time of completion. Thrasher understands all material removed during excavation will be temporarily side cast and used for backfill. The intended AOI will be returned to the original contour, slope, and grade at the time of completion. The attached delineation mapping depicts all findings associated with the proposed Kuhl to Tie In pipeline AOI.



# THRASHER

Ms. Pierce  
Page 2 of 2  
April 17, 2014

The USGS topographical map and aerial imagery map contained herein depict the proposed site. The included photo log displays all aquatic resources within the AOI as well as typical habitat within the intended AOI.

The attached slope map depicts that the pipeline is located on terrain which consists of slope greater than 20 percent and less than 20 percent slope. During field investigations, no historical buildings or archaeological resources were discovered onsite.

If any further consultation with your agency is required for this project, or if any questions may arise please feel free to contact me at your earliest convenience at (304) 624-4108 or [tspear@thrashereng.com](mailto:tspear@thrashereng.com).

Sincerely,

THE THRASHER GROUP, INC.



Tyler L. Spear  
Environmental Scientist

R:\015-0205 - Crestwood - Kuhl to Tie In Pipeline -  
Environmental\Documents\Permitting\Environmental\Correspondence\SHPO\Cover Letter



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

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**Thrasher Project #101-015-0205 Data Request**

2 messages

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**Edwin Wriston** <doddridgecountyfpm@gmail.com>

Wed, Jul 2, 2014 at 3:00 PM

To: tspear@thrashereng.com

Mr. Spear,

In order to fully complete our work on the Thrasher Project # 101-015-0205 Project, Kuhl to Tie In Pipeline for Crestwood Marcellus Midstream, LLC, designated as DCFPP #14-194, I need to get copies from you of the approval letters for all additional pertinent permits issued by other regulatory bodies such as DEP, USACE, WVDOH, etc. Our ordinance requires we have copies of those approved permits in our files.

Please provide the requested documentation at your earliest convenience.

Respectfully,

--

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.

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**Tyler L. Spear** <tspear@thrashereng.com>  
To: Edwin Wriston <doddridgecountyfpm@gmail.com>

Wed, Jul 2, 2014 at 3:14 PM

Mr. Wriston,

We have the DEP approval. You will notice that it says Kuhl to Wolfpen. They combined three pipelines into one approval. They combined Kuhl, Hardwood tie ins with Wolfpen to Hardwood pipeline. We have not received a USACE approval yet. We have been in contact with them, its still pending. For the DOH, Crestwood is taking care of that themselves. Let me know if you have any questions regarding these projects.


Thanks,

Tyler Spear

**From:** Edwin Wriston [mailto:doddridgecountyfpm@gmail.com]  
**Sent:** Wednesday, July 02, 2014 3:00 PM  
**To:** Tyler L. Spear  
**Subject:** Thrasher Project #101-015-0205 Data Request

[Quoted text hidden]

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 NPDES Approval for WVR310274, Kuhl to Wolfpen Pipeline.pdf  
31K

**From:** [DEP NPDESEP](#)  
**To:** [DEP NPDESEP](#); [don.butler@crestwoodlp.com](mailto:don.butler@crestwoodlp.com)  
**Cc:** [Ryan S. Boustany](#); [Hodge, Timothy W.](#); [Swiger, Bradley C.](#); [Minigh, Christina D](#)  
**Subject:** Approval for WVR310274, Kuhl to Wolfpen Pipeline, Doddridge Co., 10.34 Acres  
**Date:** Thursday, June 05, 2014 12:53:45 PM

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Don Butler, Director- ESR  
Crestwood Marcellus Midstream LLC  
801 Cherry St.  
Ste 3800, Unit 20  
Fort Worth, TX 76102

Physical Site Location: Co. Rt. 15, New Milton

Please be advised that this e-mail constitutes approval for your project associated with Oil and Gas Construction Activities and your registration no. is WVR310274. 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 \$1000.00. 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

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 Upon  
Oath That the Accompanying Legal Notice  
Entitled:

*Floodplain Permit*  
*# 14-194*

was published in said paper for *2*

successive weeks beginning with the issue  
of *April 29<sup>th</sup>* 2014 and

ending with the issue of

*May 6<sup>th</sup>* 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

\$ *380.51* TOTAL

EDITOR

*Virginia Nicholson*

SWORN TO AND SUBSCRIBED

BEFORE ME THIS THE ..... DAY

OF ..... 2014

NOTARY PUBLIC

*Laura J Adams*

Legal Advertisement

LEGAL ADVERTISEMENT

Doddridge County  
Floodplain Permit Application

Please take notice that on the 24th day of April 2014  
CRESTWOOD MARCELLUS MIDSTREAM LLC #14-194  
filed an application for a Floodplain Permit to  
develop land located at or about: SURFACE OWNERS:  
RICHARD K JOZWICK, GREGORY KELLEY, GUSS  
KELLEY, ET UX, DAVID & TERISSA M KELLEY,  
AND SAMUEL HILEMAN EST. AEBERT HILEMAN  
GREENBRIER DISTRICT BUCKEYE FORK OF M I  
CREEK, TAX MAP: PARCEL 34.67148 & 15.

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 May 14,  
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

