

# Commercial/Industrial Floodplain Development Permit

## Doddridge County, WV Floodplain Management

This permit has been issued to Monongahela Power Co, 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: #14-196 Waldo Run Substation

**Date Approved: 07/02/2014**

**Expires: N/A**

**Issued to: Monongahela Power Co**

**POC: Amanda Habershaw  
724-803-5971**

**Company Address: 800 Cabin Hill Drive  
Greensburg, PA 15601-1689**

**Project Address: Waldo Run Substation  
974 Waldo Run Road  
Salem, WV 26426**

**Firm:**

**Lat/Long:**

**Purpose of development: Pipeline. Project does not impact floodplain.**

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

**Date: 07/02/2014**

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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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# GAI Consultants, Inc. **FILED** Letter of Transmittal

**Pittsburgh Office**  
 385 East Waterfront Drive  
 Homestead, PA 15120-5005  
 T 412.476.2000 | F 412.476.2020  
 www.gaiconsultants.com

2014 APR 10 PM 2:27  
 BETH A. ROGERS  
 COUNTY CLERK  
 DODDRIDGE COUNTY, WV

TRANSMITTAL NO.	T003
DATE:	4/9/2014
PROJECT NO.	C132218.00, Task 006

**Doddridge County Court Clerk**  
 118 East Court Street #102  
 West Union, West Virginia 26456  
 Attention: Ms. Katie Slater

**PROJECT TITLE:**  
 Waldo Run Substation Project  
 Doddridge County, West Virginia  
 FirstEnergy Service Company

**SUBJECT:**  
 Doddridge County Floodplain  
 Development Permit Application

**WE ARE SENDING YOU:** Paper Documents  
**VIA:** Next Day Delivery  
**PURPOSE:** For Permit

**COMMENTS:**  
 Please find attached a Floodplain Permit Application for the Waldo Run Substation Project. Based on conversations with Katie Slater on 4/7/2014. This Project is not located in a floodplain and does not require a fee or approval of a floodplain permit.

**ATTACHMENTS:**

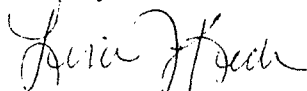
Quantity	Document No.	Rev.	Document Date	Document Description/Title	Status*
1	--	--	April 2014	Signed Doddridge County Floodplain Development Permit Application	--

\*Status Codes for Submittal Package Reviews: NE=No Exceptions; EN=Exceptions Noted; RR=Revise & Resubmit; RJ=Rejected

**DISTRIBUTION:**

Name	Company	Transmittal (Y/N)	Attachments (Y/N)
Ms. Amanda B. Habershaw	FirstEnergy Service Company	Y	N

Sincerely,



Lisa J. Keck, EIT  
 Senior Project Manager

14-196-a

# 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 Wm R. Beal *Supervisor, Energy Delivery Support  
First Energy Service Co.*

DATE 4-8-14

## SECTION 2: PROPOSED 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: Monongahela Power Co. Amanda Habershaw  
 ADDRESS: 800 Cabin Hill Drive Greensburg, PA 15601-1689  
 TELEPHONE NUMBER: 724-803-5971

**CONTRACTOR NAME:** To be determined by competitive bid

**ADDRESS:** TBD

**TELEPHONE #** TBD

**WV CONTRACTOR LICENCE #** TBD

**ENGINEER'S NAME:** GAI Consultants Inc Courtney Day

**ADDRESS:** 385 East Waterfront Drive Homestead, PA 15120

**TELEPHONE NUMBER:** 412-476-2000 x 1525

**PROJECT LOCATION:**

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

Mark W. & September P Wilt Vol:228, Pg: 43., Scott R. Fontaine Vol:294, Pg:256, Douglas J. Lutz & Suzanne L. Lutz Vol:245, Pg:234, Delbert Ash Vol:239, Pg:524, Melvin Herrod Vol:33, Pg:397

**ADDRESS OF SURFACE OWNER/OWNERS (IF NOT THE APPLICANT)** FirstEnergy will be purchasing property from the landowners listed above.

The address of the substation will be :

Waldo Run Substation

974 Waldo Run Road

Salem, West Virginia 26426

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

**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** N/A

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

**PROPERTY** N/A

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

The entrance to the new access road will be at 974 Waldo Run Road Salem, WV 26426 and will be an extension off of the end of the existing Waldo Run Road. The Project involves the construction of a substation, approximately 2,000 feet of transmission line, and two permanent access roads (AR).

The Project will tie into an existing FirstEnergy 138 kilovolt (kV) transmission line at a point located northeast of the proposed substation. The Waldo Run Road (CR-50/13) northern terminus to the substation location will be constructed with approximately 3,900 linear feet of access road. The Project will be an interconnect between the Glen Falls Substation in Clarksburg, WV and the Lamberton Substation in Ellensboro, WV.

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

**A. STRUCTURAL DEVELOPMENT**

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

**B. OTHER DEVELOPMENT ACTIVITIES:**

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

**C. STANDARD SITE PLAN OR SKETCH**

1. **SUBMIT ALL STANDARD SITE PLANS, IF ANY HAVE BEEN PREPARED (ENGINEERING PLANS MUST BE SIGNED AND SEALED).**
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/  
 PROPOSED CONSTRUCTION PROJECT WITHIN THE FLOODPLAIN**

\$ 50,000,000

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

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

NAME: N/A  
 ADDRESS: \_\_\_\_\_  
 \_\_\_\_\_

NAME: N/A  
 ADDRESS: \_\_\_\_\_  
 \_\_\_\_\_

NAME: N/A  
 ADDRESS: \_\_\_\_\_  
 \_\_\_\_\_

NAME: N/A  
 ADDRESS: \_\_\_\_\_  
 \_\_\_\_\_

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

NAME: N/A  
 ADDRESS: \_\_\_\_\_  
 \_\_\_\_\_

NAME: N/A  
 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): <sup>For</sup> Amanda Habershaw  
SIGNATURE: *Wm P. Beal* <sup>Supervisor, Energy Delivery Support</sup> First Energy Service Co. DATE: 4-8-14

After completing SECTION 2, APPLICANT should submit form and fees to Clerk of Doddridge County Court 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 .  
Stream name \_\_\_\_\_  
Profile # \_\_\_\_\_

Unavailable

The proposed development is located in a floodway.

See section 4 for additional instructions.

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

**SECTION 4: ADDITIONAL INFORMATION REQUIRED FOR DEVELOPMENT IN  
SPECIAL FLOOD HAZARD AREA (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 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 proofing 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 10 lots or 2 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.  
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 Flood Hazard 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: \_\_\_\_\_

**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 appeal.

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.
- 2 Actual (As Built) elevation of floodproofing is \_\_\_\_\_ FT. NGVD.

**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.**

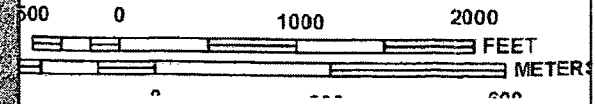
**COMPLIANCE IS HEREBY CERTIFIED WITH THE REQUIREMENT OF THE  
FLOODPLAIN ORDINANCE ADOPTED BY THE COUNTY COMMISSION OF  
DODDRIDGE COUNTY ON MAY 21, 2013.**

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

**DODDRIDGE COUNTY  
UNINCORPORATED AREAS  
540024**



MAP SCALE 1" = 1000'



NATIONAL FLOOD INSURANCE PROGRAM

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

This is an official copy of a portion of the above referenced flood map. It was extracted using F-MIT 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)



WEST VIRGINIA DEPARTMENT OF TRANSPORTATION

Division of Highways

Office of the District Engineer/Manager  
District Four

Earl Ray Tomblin  
Governor


P. O. Box 4220 · Clarksburg, West Virginia 26302 · (304) 842-1500

Paul A. Mattox, Jr., P. E.  
Secretary of Transportation/  
Commissioner of Highways

March 12, 2014

MEMORANDUM

TO: Ray Urse

FROM: Chad Saas   
D-4 Environmental Coordinator

SUBJECT: CWA Sect. 404/401 Permit Authorization  
Route 50/13 and .02 Milepost Bank Stabilization  
Doddridge County

A review of the checklist, location map, drawing, and pictures received for the above project indicates that the proposed work will impact 499 linear feet of stream bank with the placement of fill at .05 cubic yards per running foot below the ordinary high water (OHW) of Waldo Run near Morgansville in Doddridge County. It has been determined that your proposed bank stabilization and associated fills meet the criteria for a Nationwide Permit (NWP) #13 as described under the February 21, 2012 Federal Register, Issuance of Nationwide Permits (77 FR 10184). This NWP does not obviate the requirement to obtain state and local assent required by law for the activity. *This memo authorizes the placement of temporary fills below OHW associated with cofferdams as indicated on the attached drawing. Temporary fills associated with causeways, temporary detours, work pads, etc. are not authorized.*

In view of the above, your project is authorized, subject to the terms and conditions of NWP #13. It is your responsibility to ensure that your work conforms to all of the environmental management conditions associated with Nationwide Permits. **If changes occur that would increase the linear feet of stream bank impacted or the cubic yards per running foot of fill below OHW it may be necessary for the DOH to notify the Department of the Army, Corps of Engineers prior to commencing the work. You must notify this office of any such changes.**

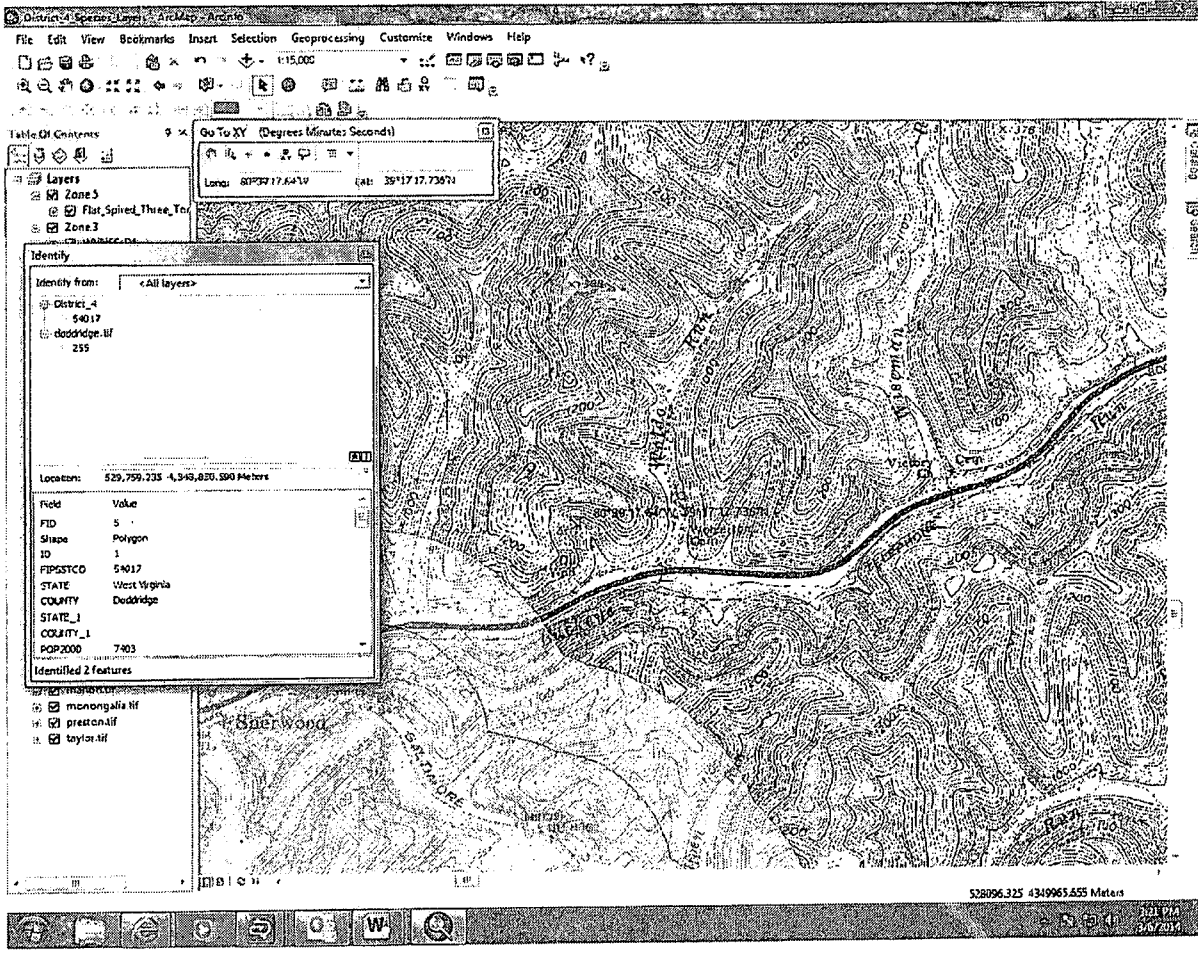
There are no pre-construction notification (PCN) requirements for this activity. *This package is the Section 404 Nationwide Permit for the described work.* Please keep one copy for the County Office project file. *Also, a complete copy must be kept on-site and available at all times upon demand for review by resource agencies or interested parties.* Not having a copy of the permit documents available on-site may result in one or more of the involved agencies issuing a Notice of Violation. All project supervisory and inspection personnel are to know where this permit document is stored and shall be familiar with the conditions and requirements of the permit.

*Upon completion of the project, please sign the attached "Compliance Certificate of Completion" and return to this office along with post-construction pictures.*

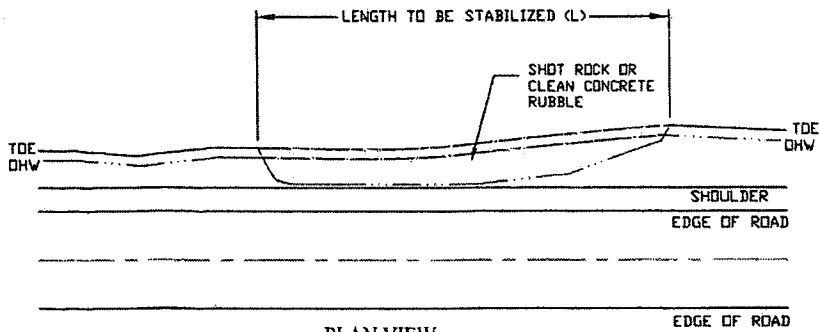
Section 401, Water Quality, is precertified, no further documentation is necessary. If you have any questions, please contact me at (304) 627-2115.

Attachments

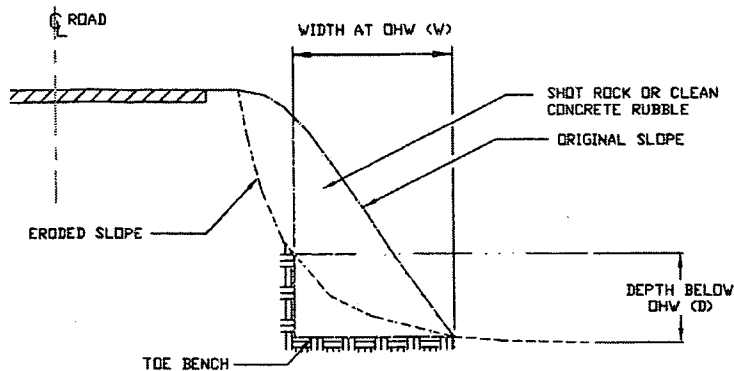
cc: File



**BANK STABILIZATION TYPE 1**



PLAN VIEW



TYPICAL SECTION

BANK STABILIZATION ALONG ONE BANK

$$CY = L * W * D / 27$$

$$ACRES OF IMPACT = L * W / 43560$$

BANK STABILIZATION ALONG BOTH BANKS

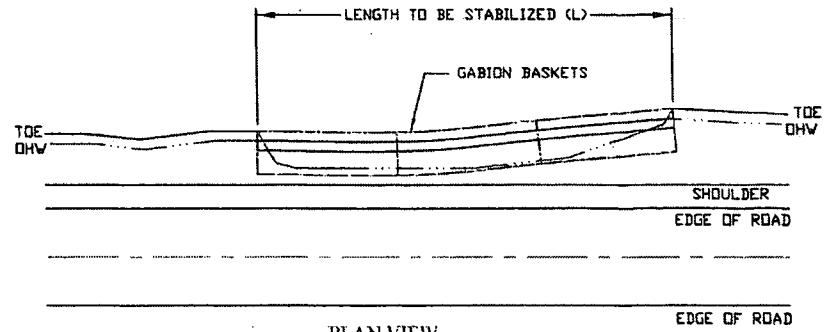
LL, WL, DL = LENGTH, WIDTH, DEPTH - LEFT BANK

LR, WR, DR = LENGTH, WIDTH, DEPTH - RIGHT BANK

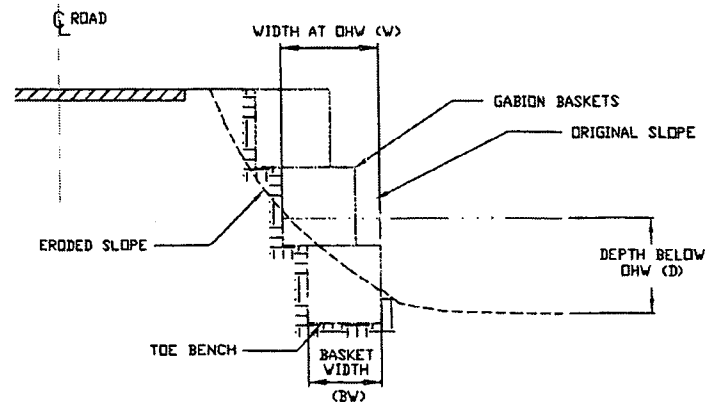
$$CY = (LL * WL * DL + LR * WR * DR) / 27$$

$$ACRES OF IMPACT = (LL * WL + LR * WR) / 43560$$

**BANK STABILIZATION TYPE 2**



PLAN VIEW



TYPICAL SECTION

BANK STABILIZATION ALONG ONE BANK

$$CY = L * BW * D / 27$$

$$ACRES OF IMPACT = L * W / 43560$$

BANK STABILIZATION ALONG BOTH BANKS

LL, WL, DL = LENGTH, WIDTH, DEPTH - LEFT BANK

LR, WR, DR = LENGTH, WIDTH, DEPTH - RIGHT BANK

$$CY = (LL * BW * DL + LR * BW * DR) / 27$$

$$ACRES OF IMPACT = (LL * WL + LR * WR) / 43560$$

LEFT AND RIGHT BANKS ARE BASED ON LOOKING DOWNSTREAM

DRAWING NOT TO SCALE

STREAM NAME	Waldo Run			TYPE 1	<input checked="" type="checkbox"/>
				TYPE 2	<input type="checkbox"/>
BANK STABILIZATION BELOW OHW - LEFT BANK	LENGTH (L)	WIDTH AT OHW (W)	DEPTH BELOW OHW (D)		
	499'	1.5'	1'		
BANK STABILIZATION BELOW OHW - RIGHT BANK	LENGTH (L)	WIDTH AT OHW (W)	DEPTH BELOW OHW (D)		
TOTAL LENGTH BELOW OHW	TOTAL ACRES OF IMPACT BELOW OHW	TOTAL CY OF FILL BELOW OHW	CY/RUNNING FT		
499	0.0171832	27.72	0.05		

**WEST VIRGINIA DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS  
PROPOSED BANK STABILIZATION**

DISTRICT D-4  
COUNTY Doddridge

ROUTE 50/13  
MILEPOST 02



**WVDOH MAINTENANCE ACTIVITIES CHECKLIST**  
**Level 1 to be completed by Project Originator**

This checklist is intended **ONLY** for in stream work that includes replacing or extending a culvert, minor structure repairs consisting of abutment repair or scour repair, placement of rock or clean concrete rubble fill as bank stabilization adjacent to the roadway, or placement of a rock gutter associated with a ditch cross-pipe.

District 4 County Doddridge Route 50/13 Milepost 0.02

Stream Waldo Run Latitude 39 17' 17.736 " Longitude 80 39' 17.64 " (D.D° WGS 84)

Type of work is:       bank stabilization                       culvert replacement or extension  
 minor structure repair                       rock gutter associated with ditch cross-pipe

Total linear feet of stream impact expected? 499'

	Yes	No	N/A
1. Are you planning to change the type or size of structure at this site?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
2. Does this project involve multiple bank stabilizations on the same stream?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
3. Do you expect to need temporary fill (i.e. cofferdams, detours, etc.)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
4. Will you be working in or adjacent to a state or national park or forest?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
5. Will a waste or borrow site be needed?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
6. Will there be in stream work April to June or September to February?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
7. Will you be working in or near a marked "No Mowing or Spray" area?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
8. Does there appear to be a potential wetland on or adjacent to the site?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
9. Do you anticipate the removal of any trees to complete this project?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
10. Will additional right of way or easements be required?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
11. Will in stream work be required beyond 50 feet of the structure?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
12. Will this project require fill to be placed within the 100 year floodplain?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
13. Is the structure 20' or longer?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
14. Does the structure have stone abutments?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
15. Is the structure a concrete arch?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

For culvert replacements/extensions, bank stabilizations, and outfalls complete the necessary typical drawing. For minor structure repairs provide plan and profile views showing the proposed repair work and any cofferdams needed to complete the repair work. Include the length of impact, acres of impact, and cubic yards of fill for material placed below OHW on the plan view. Attach the drawing(s) along with a location map and pictures to this checklist and submit the information to the District Environmental Coordinator. Retain a copy of this information for your file. **Work cannot begin until the appropriate authorization has been obtained.** Upon completion of the work, submit post-construction pictures to the District Environmental Coordinator.

Comments (attach additional sheet if necessary): \_\_\_\_\_

Contact: Chad Sias Date: 3-12-11

## WVDOH MAINTENANCE ACTIVITIES CHECKLIST

Level 2 to be completed by Environmental Coordinator or Assistant Environmental Coordinator

Use the Environmentally Sensitive GIS Layers to Answer Question 1 – 7a

- |   | Yes                                 | No                                  | N/A                                 |
|---|-------------------------------------|-------------------------------------|-------------------------------------|
| 1. Located within Zone 1 GIS layer?   | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |                                     |
| 2. Located within Zone 2 AND requires tree removal (>5" DBH) from 4/1 to 11/15?   | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |                                     |
| 3. Located within Zone 3 AND requires tree removal (> ½ acre) from 4/1 to 11/15?  | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |                                     |
| 4. Located within Zone 4 AND requires tree removal (>5" DBH) any time of year?  | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |                                     |
| 5. Located within Zone 5 AND requires additional right of way or easements?   | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |                                     |
| 6. Is there a wetland impact associated with this project?<br>(Field verify sites located within National Wetland Inventory layer)                              | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |                                     |
| 7. Is the stream listed in WV State 401 Certification, Standard Condition 15?   | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |                                     |
| 8. For bank stabilization, will the quantity of fill below OHW exceed one cubic yard per running foot?  | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| 9. For bank stabilization, will the length below OHW exceed 500 linear feet?*   | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| *200 linear feet for Standard Condition 15 streams  |                                     |                                     |                                     |
| 10. For rock gutters associated with ditch cross-pipes, will the CY of fill below OHW exceed 10 CY?   | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| 11. Will additional right of way or easements be required?  | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |                                     |
| 12. Do you expect this work to alter the hydraulic conditions of the stream?<br>(i.e., increasing/decreasing flow area, altering inlet/outlet conditions, etc.) | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |                                     |
| 13. Is a bridge or bottomless culvert being replaced with a pipe or box culvert?  | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| 14. If the work is near a no mowing or spraying area indicate the reason for designation.   |                                     |                                     |                                     |
| <hr/>   |                                     |                                     |                                     |
| 15. If fill is being placed within the 100 year floodplain has the local FEMA coordinator been notified?  | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| 16. Does this project have federal funding?   | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |                                     |

A **Yes** answer on any of the Level 1 Questions 13 through 15 or any of the Level 2 Questions 1 through 11, 13, or 16 requires submittal to Engineering Division's Environmental Section (DDE) for environmental clearance and to Engineering Division's Technical Section (DDT) for 404/401 authorization. If Level 2, Question 12 is answered **Yes**, a hydraulic analysis shall be performed in accordance with the latest version of the WVDOH Drainage Manual.

Comments (attach additional sheet if necessary): \_\_\_\_\_

Have all answers of **Yes** on Level 1 Questions 1 through 12 been resolved?      Yes  
 If no, submit to DDE for environmental clearance and to DDT for 404/401 authorization.

Reviewed by: Chad Saas

Date: 3-12-14