Atlantic Sunrise Project – PA DEP Chapter 105 Joint Permit Application Transcontinental Gas Pipe Line Company, LLC Schuylkill County

ATTACHMENT B -1 APPLICATION FEE WORKSHEET

COMMONWEALTH OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION BUREAU OF WATERWAYS ENGINEERING AND WETLANDS

CHAPTER 105 FEE(S) CALCULATION WORKSHEET

Additional information can be found at <u>25 PA Code §105.13</u> (relating to regulated activities – information and fees), the General Permit Registration (<u>3150-PM-BWEW0500</u>), the Joint Permit Application (<u>3150-PM-BWEW0036</u>) and the Dam Permit Application (<u>3140-PM-BWEW0001</u>)

Federal, State, county or municipal agencies or municipal authorities:

■ EXEMPT from fees

These entities are exempt from these fees. If the applicant falls into one of these categories, please check the box above and provide only the first page of this worksheet with the project application or registration.

ALL OTHERS:

- 1. Please place an "X" in the box next to all authorizations that apply to the project and complete the fee information below those authorization(s). Projects may require multiple authorizations and fees, further clarification and examples are included below and at the end of this document.
- 2. Total each authorization, Section, and Part. Part One is for Water Obstructions and Encroachment authorizations, Part Two is for Dam Safety authorizations.
- 3. Please provide this completed worksheet (page 1 and page 2 and/or page 3, as is appropriate to the project) and a check for the applicable fee(s) with the project application or registration. The check should be made payable to the "Commonwealth of Pennsylvania Clean Water Fund" OR "_____ Conservation District Clean Water Fund", whichever is the reviewing entity.

NOTES:

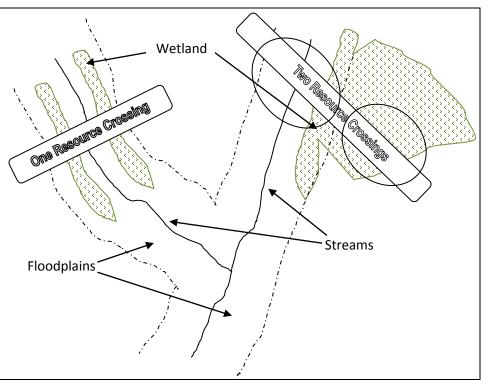
Per 25 PA Code §105.13(c)(2)(iii) Disturbance review fees are calculated by individually adding all of the permanent and temporary impacts to waterways, floodways, floodplains and bodies of water including wetlands to the next highest tenth acre and multiplying the permanent and temporary impacts by the respective fees and then these amounts are added to the other applicable fees.

Entities proposing structures or activities to occupy a Submerged Lands of the Commonwealth must obtain a Submerged Lands License Agreement (SLLA) and pay the appropriate annual charge. The applicant will be contacted if this charge applies to the project.

Floodway – The channel of the watercourse and portions of the adjoining floodplains which are reasonably required to carry and discharge the 100-year frequency flood. Unless otherwise specified, the boundary of the floodway is as indicated on maps and flood insurance studies provided by FEMA. In an area where no FEMA maps or studies have defined the boundary of the 100-year frequency floodway, it is assumed, absent evidence to the contrary, that the floodway extends from the stream to 50 feet from the top of the bank of the stream.

Wetland and Stream Clarification:

- ¹ In many instances, wetlands are located within the floodplain of a stream. These resources for the purposes of calculating disturbance fees are considered co-located or overlapping and the area of disturbance would only be used once.
- ² In the case of GP-5, GP-7 and GP-8 fees are charged per structure per resource crossing and the following also applies to the disturbance fees:
 - A crossing of the stream and the floodplain with wetlands present within the floodplain is considered one resource crossing.
 - When the crossing traverses a stream and the floodplain and a wetland that is located outside of the floodplain or a wetland that extends out beyond the floodplain, it is considered two resource crossings.



PART ONE: WATER OBSTRUCTIONS AND ENCROACHMENTS

SECTION A. APPLICATION FEES

	WATER OBSTRUCTION AND ENCROACHMENT P Some activities or structures within a project may also qualify for an acc Individual Water Obstruction and Encroachment Permit AND the corre structures not qualifying for a General Permit fee must include a disturbar	umulation of General Permit fees, sponding fee(s) in the General P	please mark the box abo	
	Administrative Filing Fee ¹		. \$ 1,750	+
	Temporary Disturbance (\$400/0.1ac)		\$ <u>56,000</u>	+
	Permanent Disturbance (\$800/0.1ac)		\$ <u>12,800</u>	= \$ <u>70,550</u>
		WO&E I	FEE subtotal (a)	\$ <u>70,550</u>
	GENERAL PERMIT(S) (select activity/structure(s) below, see page Some activities or structures within a project requiring an Individual accumulation of General Permit fees, please mark the correspond GP-1 Fish Habitat Enhancement Structures	ge 4 for "#" explanation) dual Water Obstruction and E ding fee(s) below but not the bo	ncroachment Permit mox above indicating a G	nay qualify for an
	☐ Temporary Disturbance (\$400/0.1ac) ☐ Permanent Disturbance (\$800/0.1ac) ☐ GP-15 Private Residential Construction in Wetland ☐ Temporary Disturbance (\$400/0.1ac) ☐ Permanent Disturbance (\$800/0.1ac)	acres x \$8,000 = ds ¹ acres x \$4,000 = acres x \$4,000 = acres x \$8,000 =	\$ \$ 750 = \$ = \$	+ = \$ + + = \$
		()	FEE subtotal (b)	\$ <u>0</u>
	PART ONE: SECTION A. A	PPLICATION FEE(S) s	ubtotal (a+b=c)	\$ <u>70,550</u>
SE	CTION B. OTHER FEES			
	Environmental Assessment for Waived Activities (§105) Amendment to Water Obstruction and Encroachment		\$ 500	\$
	Major Amendment ¹		\$ 500	+
	Temporary Disturbance		\$	+ \$
	Permanent Disturbance		\$	= \$
	Minor Amendment		\$ 250	\$
Ш	Transfer of Water Obstruction and Encroachment Per		4.000	•
	WITH Submerged Lands License AgreementWITHOUT Submerged Lands License Agreement			\$ \$
		SECTION B. OTHER FI		\$ <u></u>
	17tt Ott.	PART ONE: FEE(S		
		FART ONE. FEE(5) TOTAL (C+G=e)	\$ <u>70,550</u>
		SE ONLY		
		horization Number (s):		
	ect Amount: Check #:			
(:he	ck Amount: Payable to:			

Check amount:

PART TWO: DAM SAFETY (USE ONE FEE SHEET PER DAM)

SECTION A. APPLICATION FEES	
☐ DAM PERMIT APPLICATION – NEW DAM	
☐ Size A ☐ Hazard 1 \$26,500 ☐ Hazard 2 \$26,500 ☐ Hazard 3 \$25,500 ☐ Hazard 4 \$23,500	\$
☐ Size B ☐ Hazard 1 \$19,000 ☐ Hazard 2 \$19,000 ☐ Hazard 3 \$18,500 ☐ Hazard 4 \$17,000	\$
☐ Size C ☐ Hazard 1 \$10,500 ☐ Hazard 2 \$10,500 ☐ Hazard 3 \$10,000 ☐ Hazard 4 \$ 8,000	\$
☐ STAGED CONSTRUCTION	
NO. OF STAGES BEYOND INITIAL STAGE X APPLICATION FEE X 0.90 (90%)	\$
☐ DAM PERMIT APPLICATION – MODIFICATION OF DAM	
☐ Size A ☐ Hazard 1 \$18,500 ☐ Hazard 2 \$18,500 ☐ Hazard 3 \$18,500 ☐ Hazard 4 \$18,000	\$
☐ Size B ☐ Hazard 1 \$12,000 ☐ Hazard 2 \$12,000 ☐ Hazard 3 \$12,000 ☐ Hazard 4 \$11,500	\$
☐ Size C ☐ Hazard 1 \$ 7,500 ☐ Hazard 2 \$ 7,500 ☐ Hazard 3 \$ 7,500 ☐ Hazard 4 \$ 7,500	\$
☐ STAGED CONSTRUCTION	
NO. OF STAGES BEYOND INITIAL STAGE X APPLICATION FEE X 0.85 (85%)	\$
☐ DAM PERMIT APPLICATION – OPERATION & MAINTANANCE OF EXISTING DAM	
☐ Size A ☐ Hazard 1 \$12,500 ☐ Hazard 2 \$12,500 ☐ Hazard 3 \$12,000 ☐ Hazard 4 \$10,000	\$
☐ Size B ☐ Hazard 1 \$10,000 ☐ Hazard 2 \$10,000 ☐ Hazard 3 \$ 9,500 ☐ Hazard 4 \$ 8,500	\$
☐ Size C ☐ Hazard 1 \$ 7,000 ☐ Hazard 2 \$ 7,000 ☐ Hazard 3 \$ 6,500 ☐ Hazard 4 \$ 6,000	\$
PART TWO: SECTION A. APPLICATION FEE(S) subtotal (a)	\$ <u>0</u>
SECTION B. OTHER FEES	
Letter of Amendment or Authorization	
☐ Major (≥\$250,000)	_
☐ Size A \$14,700 ☐ Size B \$8,700 ☐ Size C \$4,400 ☐ Minor (<\$250,000)	\$
☐ Size A \$ 1,300 ☐ Size B \$ 1,000 ☐ Size C \$ 650	\$
☐ Major Dam Design Revision	·
☐ Size A \$ 4,700 ☐ Size B \$ 3,200 ☐ Size C \$ 1,700	\$
☐ Environmental Assessment	
☐ Environmental Assessment for Dam Removal (§105.12(a)(16)) \$ 500	\$
□ Non-Jurisdictional Dams \$ 900	\$
Letter of Amendment or Authorization	
☐ Size A \$ 1,400 ☐ Size B \$ 1,000 ☐ Size C \$ 900	\$
☐ Transfer of Dam Permit	
☐ No Proof of Financial Responsibility \$ 550 ☐ Proof of Financial Responsibility \$30	0 \$
_	
Annual Registration Hazard 1 \$ 1,500 Hazard 2 \$ 1,500 Hazard 3 \$ 800	c
☐ Hazard 1 \$ 1,500 ☐ Hazard 2 \$ 1,500 ☐ Hazard 3 \$ 800 PART TWO: SECTION B. OTHER FEE(S) subtotal (b)	\$
	\$ <u>0</u>
PART TWO: FEE(S) TOTAL (a+b=c)	\$ <u>0</u>
DEP USE ONLY	
FEE TOTAL: Permit / Authorization Number (s):	
Correct Amount: Check #:	

Payable to:

GP Fee Explanation (#):

GP#	Description	Fee	Fee Explanation (#)
GP-1	Fish Habitat Enhancement Structures	\$ 50	Fee is assessed per project not per individual structure.
GP-2	Small Docks and Boat Launching Ramps	\$175	Fee is assessed per individual dock or boat ramp. The fee is the number of docks and ramps totaled times the fee.
GP-3	Bank Rehabilitation, Bank Protection and Gravel Bar Removal	\$250	Fee is assessed per project and not individual bank or gravel bar removal locations. Only one single and complete project along a continuous stream reach not exceeding 500 feet measured down centerline of stream. Additional projects or areas must be separately registered and the fee would apply to each registration.
GP-4	Intake and Outfall Structures	\$200	Fee is assessed per individual intake or outfall structure. The fee is the total number of structures times the fee.
GP-5 ²	Utility Line Stream Crossings ²	\$250	Fee is assessed per individual utility line or conduit crossing (a wetland and stream crossing may be separate crossings even if adjacent). The fee is the total number of utility lines times the number of resource crossings times the fee.
GP-6	Agricultural Crossings and Ramps	\$ 50	Fee is assessed per individual crossing or ramp structure. The fee is the total number of crossings and ramps times the fee.
GP-7 ²	Minor Road Crossings ²	\$350	Fee is assessed per individual minor road crossing (a wetland and stream crossing may be separate crossings even if adjacent). The fee is the total number of road crossings times the fee.
GP-8 ²	Temporary Road Crossings ²	\$175	Fee is assessed per individual temporary road crossing (a wetland and stream crossing may be separate crossings even if adjacent). The fee is the total number of temporary road crossings times the fee.
GP-9	Agricultural Activities	\$ 50	Fee is assessed per project not per individual structure or activity. Multiple projects can be registered under a single registration and as such the fee is applied to each project and then totaled.
GP-10	Abandoned Mine Reclamation	\$500	Fee is assessed per project not per individual activity. Multiple projects can be registered under a single registration and as such the fee is applied to each project and then totaled.
GP-11 ¹	Maintenance, Testing, Repair, Rehabilitation, or Replacement of Water Obstructions and Encroachments ¹	\$750	Fee is assessed for each registration package (can include multiple activities or structures) and is added to the permanent and temporary disturbance review fees calculated for each registration package respectively.
GP-15 ¹	Private Residential Construction in Wetlands ¹	\$750	Fee is assessed for each registration package (can include multiple activities or structures) and is added to the permanent and temporary disturbance review fees calculated for each registration package respectively.

Water Obstruction and Encroachment Examples:

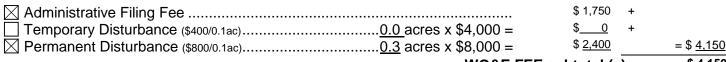
1.	GP-7 Minor	Road Crossing:	Minor road	crossing of	a stream	that qualifies	for BDWM GP-07.
----	------------	----------------	------------	-------------	----------	----------------	-----------------

GENERAL PERMIT(S) (select activity/structure(s) below)

Some activities or structures within a project requiring an Individual Water Obstruction and Encroachment Permit may qualify for an accumulation of General Permit fees, please mark the corresponding fee(s) below but not the box above indicating a General Permit.

 \boxtimes GP-7 Minor Road Crossings = \$\frac{350}{9}\$ = \$\frac{350}{350}\$ = \$\frac{350}{350}\$

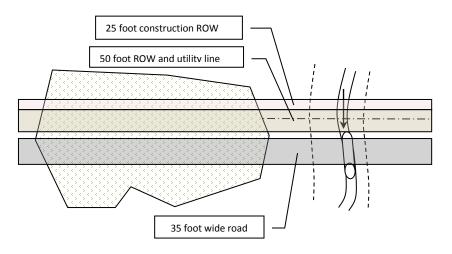
2. Joint Permit Application for Individual Water Obstruction Encroachment Permit: The project proposes to construct an access road requiring the placement of fill in 0.27 acres of wetlands as part of a residential subdivision.



WO&E FEE subtotal (a)

\$ <u>4,150</u>

3. Joint Permit Application for Individual Water Obstruction Encroachment Permit: The project proposes to construct an access road and utility line through a wetland and stream. The road will require placement of fill in 0.28 acres of wetlands, placement of a 45 foot long x 36 inch CMP in the stream and placement of fill in the floodway for road approaches to the culvert (east approach 35 feet wide x 4 feet deep x 50 feet long and west approach 35 feet wide x 2 feet deep x 15 feet). The utility line is 30 inch diameter steel pipe carrying petroleum products. The utility line will be open trenched through the wetland with a permanent right of way of 50 feet x 350 feet and an additional construction right of way 25 feet x 350 feet. The utility line will be open trenched traversing through the entire floodway and stream with a permanent right of way totaling 50 feet x 68 feet (east floodway 50 feet x 50 feet, stream 50 feet x 3 feet and west floodway 50 feet x 15 feet) and an additional construction right of way 25 feet x 68 feet.



Impact Calculations and Summary

Resource/Impact Type	Permanent	Temporary			
Wetland					
Road	0.28	0			
Utility Const. ROW	0	0.2			
Utility Perm. ROW	0.4	0			
Floodway/Stream					
Road	0.05	0			
Utility Const. ROW	0	0.04			
Utility Perm. ROW	0.08	0			
Totals:	0.81	0.24			
Rounded Totals:	0.9	0.3			

	WORE FEE or	ibtotal (a	1	\$10,150
Permanent Disturbance (\$800/0.1ac)	<u>0.9</u> acres x \$8,000 =	\$ <u>7,200</u>		= \$ <u>10,150</u>
☐ Temporary Disturbance (\$400/0.1ac)	<u>0.3</u> acres x \$4,000 =	\$ <u>1,200</u>	+	
Administrative Filing Fee		\$ 1,750	+	

Joint Permit Application for Individual Water Obstruction Encroachment Permit: The project proposes to construct a building, two minor road crossings that qualify for BDWM GP-07 and place three separate utility lines through a wetland and a separate stream that qualify for BDWM GP-05. The building will require placement of fill in 0.17 acres of wetlands.

		\$ 1,750 +	
Temporary Disturbance (\$400/0.1ac)		\$ <u> </u>	
Permanent Disturbance (\$800/0.1ac)		\$ <u>1,600</u>	= \$ <u>3,350</u>
	WO&E FEE s	ubtotal (a)	\$ <u>3,350</u>

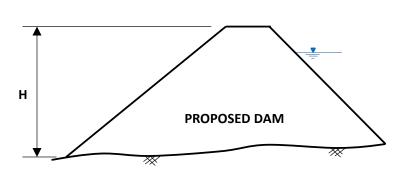
GENERAL PERMIT(S) (select activity/structure(s) below)

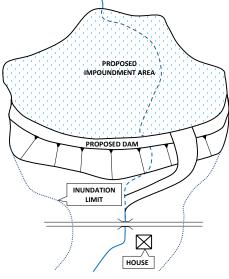
Some activities or structures within a project requiring an Individual Water Obstruction and Encroachment Permit may qualify for an accumulation of General Permit fees, please mark the corresponding fee(s) below but not the box above indicating a General Permit.

☐ GP-5 Utility Line Stream Crossings	6 (#) x	\$ 250	= \$ <u>1,500</u>
GP-7 Minor Road Crossings		\$ 350	= \$ <u>700</u>
	GP(s) FEE	E subtotal (b)	\$ <u>2,200</u>
PART ONE: SECTION A. APPLICATION	FEE(S) sub	total (a+b=c)	\$ 5,550

Dam Safety Examples:

5. New Dam Permit Application: This project proposes to construct a 25-foot high dam that has a maximum storage of 500 acre-feet of water. This dam would be classified as a size category "C" dam per §105.91. There is one home and one roadway within the inundation area downstream of the dam. This dam would have a hazard classification of "2". All stream and wetland impacts are covered under the Dam Permit Application. An Environmental Assessment is required as part of the Dam Permit Application, but a separate fee is not required.



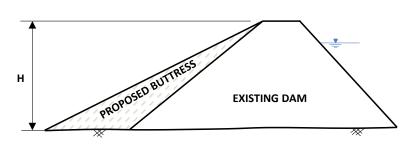


DAM SAFETY APPLICATION FEES (TO BE FILED WITH DAM SAFETY WITH THE DAM PERMIT APPLICATION)

□ DAM PERMIT APPLICATION – NEW DAM

⊠ Size C Hazard 1 \$10,500 Hazard 2 \$10,500 Hazard 3 \$10,000 Hazard 4 \$8,000 \$ 10,500 **DAM SAFETY FEE total** \$ 10,050

6. Letter of Authorization with Environmental Assessment: This project proposes to modify a 25-foot high dam that has a maximum storage of 500 acre-feet of water. This dam would be classified as a size category "C" dam per §105.91. The proposed modification involves buttressing the downstream slope of the dam with soil to improve the stability. The total project cost will be \$100,000. A small wetland area will be impacted near the toe of the buttress. An Environmental Assessment will be required to assess the impacts to the wetland.



DAM SAFETY FEES

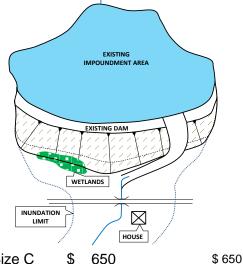
Letter of Amendment or Authorization Minor (<\$250,000)

> ☐ Size A \$ 1.300 ☐ Size B \$ 1.000

Environmental Assessment

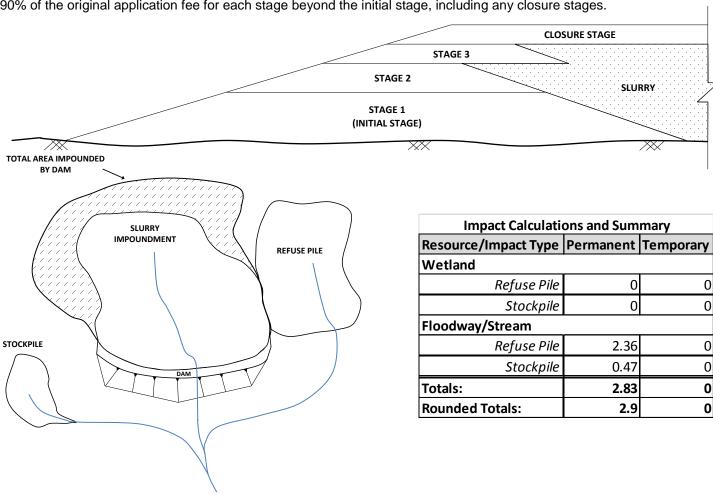
Letter of Amendment or Authorization

☐ Size A \$ 1.400 ☐ Size B \$ 1.000



Size C

Size C 900 \$ 900 **DAM SAFETY FEE total** \$ <u>1,550</u> 7. New Dam Permit Application with Staged Construction and Disturbance Review Fees: The project proposes to construct a staged construction, high hazard dam, to be utilized for containing a slurry impoundment. There will also be a refuse pile constructed adjacent to the slurry impoundment impacting 1000 linear feet of stream, causing a permanent disturbance to the 3-foot wide stream and 50 feet of floodway on either side of the stream [1000 x (50+3+50)]. A refuse stockpile will also impact 200 linear feet of stream, causing a permanent disturbance to the 3-foot wide stream and 50 feet of floodway on either side of the stream [200 x (50+3+50)]. The Dam Safety Application Fee will include the application fee for the applicable size and hazard classification of the dam. The Dam Safety Application Fee will also include a fee equal to 90% of the original application fee for each stage beyond the initial stage, including any closure stages.



WATER OBSTRUCTION AND ENCROACHMENT FEES (TO BE FILED WITH DEP REGIONAL OFFICE, COUNTY CONSERVATION OFFICE, OR DISTRICT MINING)

X Administrative Filing Fee			\$ <u>1,750</u>
Temporary Disturbance (\$400/0.1ac)	0.0 acres x \$4,000 =		
Permanent Disturbance (\$800/0.1ac)	2.9 acres x \$8,000 =		\$ <u>23,200</u>
		WO&E FEE total	\$ <u>24,950</u>

DAM SAFETY APPLICATION FEES (TO BE FILED WITH DAM SAFETY WITH THE DAM PERMIT APPLICATION)

$\angle V$		III AI I LICATION - I	ALAA DAIAI					
	⊠ Size A		☐ Hazard 2 \$26,500	☐ Hazard 3 \$25,500 ☐ Hazard 4 \$23,500	\$ <u>26,500</u>			
Z	M STAGED CONSTRUCTION							

No. OF STAGES BEYOND INITIAL STAGE 3 X APPLICATION FEE \$26,500 X 0.90 (90%)

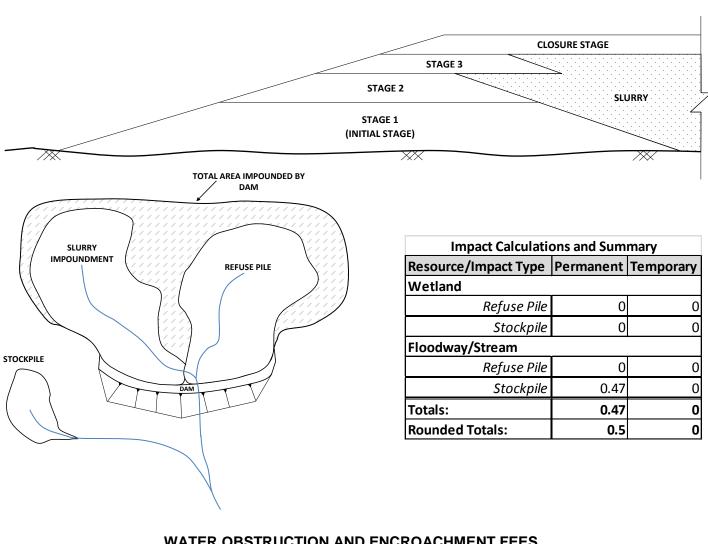
M DAM DERMIT ADDITION - NEW DAM

\$ 71,550

DAM SAFETY FEE total

\$ <u>98,05</u>0

8. New Dam Permit Application with Staged Construction: The project proposes to construct a staged construction, high hazard dam, to be utilized for containing a slurry impoundment and refuse pile. A refuse stockpile will also impact 200 linear feet of stream, causing a permanent disturbance to the 3-foot wide stream and 50 feet of floodway on either side of the stream [200 x (50+3+50)]. The Dam Safety Application Fee will include the application fee for the applicable size and hazard classification of the dam. The Dam Safety Application Fee will also include a fee equal to 90% of the original application fee for each stage beyond the initial stage, including any closure stages.



WATER OBSTRUCTION AND ENCROACHMENT FEES (TO BE FILED WITH DEP REGIONAL OFFICE, COUNTY CONSERVATION OFFICE, OR DISTRICT MINING)

Administrative Filing Fee	•	·	\$ <u>1,750</u>
Temporary Disturbance (\$400/0.1ac)	<u>0.0</u> acres x \$4,000 =		
Permanent Disturbance (\$800/0.1ac)	<u>0.5</u> acres x \$8,000 =		\$ <u>4,000</u>
		WO&E FEE total	\$ <u>5,750</u>

DAM SAFETY APPLICATION FEES

(TO BE FILED WITH DAM SAFETY WITH THE DAM PERMIT APPLICATION)	
□ DAM PERMIT APPLICATION – NEW DAM	
Size A ☐ Hazard 1 \$26,500 ☐ Hazard 2 \$26,500 ☐ Hazard 3 \$25,500 ☐ Hazard 4 \$23,500	\$ <u>26,500</u>
STAGED CONSTRUCTION ■	
No. OF STAGES BEYOND INITIAL STAGE 3 X APPLICATION FEE \$26,500 X 0.90 (90%)	\$ <u>71,550</u>
DAM SAFETY FEE total	\$ <u>98,050</u>

		E54-360				
Resource Type (stream, wetland, floodway, body of water)	Resource ID	Resource Name	Temporary or Permanent Impact	Impact area (acres)	Rounded Total for Fee	Fee
Stream	WW-T34-7001	UNT to Mill Creek (WW-T34-7001)	Permanent	0.0036		
Floodway	Floodway to WW-T34- 7001	Floodway to UNT to Mill Creek (WW-T34-7001)	Permanent	0.0255		
Floodway	Floodway to WW-T35- 7001	Floodway to UNT to Mill Creek (WW-T35-7001)	Permanent	0.0193		
Pond	WB-T35-7001	WB-T35-7001	Permanent	0.0116		
Wetland	W-T35-7001	W-T35-7001	Permanent	0.0099		
Stream	WW-T35-7002	Mill Creek (WW-T35-7002)	Permanent	0.0125		
Floodway	Floodway to WW-T35- 7002	Floodway to Mill Creek (WW-T35-7002)	Permanent	0.0386		
Stream	WW-T34-7002	UNT to Mill Creek (WW-T34-7002)	Permanent	0.0027		
Floodway	Floodway to WW-T34- 7002	Floodway to UNT to Mill Creek (WW-T34-7002)	Permanent	0.0176		
Wetland	W-T34-7002	W-T34-7002	Permanent	0.0093		
Wetland	W-T34-8001-1	W-T34-8001/ W-T34-8001-1	Permanent	0.0122		
Stream	WW-T34-8001	UNT to Swatara Creek (WW-T34-8001)	Permanent	0.0033		
Floodway	Floodway to WW-T34- 8001	Floodway to UNT to Swatara Creek (WW-T34-8001)	Permanent	0.0534		
Stream	WW-T34-8001A	UNT to Swatara Creek (WW-T34-8001A)	Permanent	0.0020		
Stream	WW-T31-7001	UNT to Swatara Creek (WW-T31-7001)	Permanent	0.0090		
Floodway	Floodway to WW-T31- 7001	Floodway to UNT to Swatara Creek (WW-T31-7001)	Permanent	0.0262		
Wetland	W-T18-7005A	W-T18-7005A	Permanent	0.0131		
Wetland	W-T21-7001	W-T21-7001	Permanent	0.0051		
Stream	WW-T18-7007C	UNT to Swatara Creek (WW-T18-7007C)	Permanent	0.0069		
Stream	WW-T18-7007A	UNT to Swatara Creek (WW-T18-7007A)	Permanent	0.0041		
Stream	WW-T18-7007	UNT to Swatara Creek (WW-T18-7007)	Permanent	0.0070		
Floodway	Floodway to WW-T18- 7007	Floodway to UNT to Swatara Creek (WW-T18-7007)	Permanent	0.0727		
Stream	WW-T21-7001	UNT to Swatara Creek (WW-T21-7001)	Permanent	0.0034		
Floodway	Floodway to WW-T21- 7001	Floodway to UNT to Swatara Creek (WW-T21-7001)	Permanent	0.0522		
Stream	WW-T21-7002	UNT to Swatara Creek (WW-T21-7002)	Permanent	0.0136		

Descripto Time		E54-360				
Resource Type stream, wetland, floodway, body of water)		Resource Name	Temporary or Permanent Impact	Impact area (acres)	Rounded Total for Fee	Fee
Floodway	Floodway to WW-T21- 7002	Floodway to UNT to Swatara Creek (WW-T21-7002)	Permanent	0.0235		
Stream	WW-T31-8001	Lorberry Creek (WW-T31-8001)	Permanent	0.0106		
Floodway	Floodway to WW-T31- 8001	Floodway to Lorberry Creek (WW-T31-8001)	Permanent	0.0347		
Stream	WW-T31-8001A	UNT to Lorberry Creek (WW-T31-8001A)	Permanent	0.0041		
Wetland	W-T24-8005	W-T24-8005	Permanent	0.0022		
Stream	WW-T43-8002	UNT to Lower Rausch Creek (WW-T43-8002)	Permanent	0.0028		
Floodway	Floodway to WW-T43- 8002	Floodway to UNT to Lower Rausch Creek (WW-T43-8002)	Permanent	0.0249		
Stream	WW-T43-8001	UNT to Lower Rausch Creek (WW-T43-8001)	Permanent	0.0012		
Floodway	Floodway to WW-T43- 8001	Floodway to UNT to Lower Rausch Creek (WW-T43-8001)	Permanent	0.0216		
Stream	WW-T24-8003	UNT to Lower Rausch Creek (WW-T24-8003)	Permanent	0.0034		
Floodway	Floodway to WW-T24- 8003	Floodway to UNT to Lower Rausch Creek (WW-T24-8003)	Permanent	0.0312		
Stream	WW-T24-8002	Lower Rausch Creek (WW-T24-8002)	Permanent	0.0033		
Floodway	Floodway to WW-T24-8002	Floodway to Lower Rausch Creek (WW-T24-8002)	Permanent	0.1432		
Stream	WW-T24-8001	UNT to Lower Rausch Creek (WW-T24-8001)	Permanent	0.0100		
Floodway	Floodway to WW-T24- 8001	Floodway to UNT to Lower Rausch Creek (WW T24-8001)	Permanent	0.1790		
Wetland	W-T24-8004	W-T24-8004	Permanent	0.0055		
Stream	WW-T95-8001	UNT to Lower Rausch Creek (WW-T95-8001)	Permanent	0.0024		
Floodway	Floodway to WW-T95-8001	Floodway to UNT to Lower Rausch Creek (WW-T95-8001)	Permanent	0.0358		
Stream	WW-T95-8001A	UNT to Lower Rausch Creek (WW-T95-8001A)	Permanent	0.0014		
Wetland	W-T24-8002	W-T24-8002	Permanent	0.0071		
Wetland	W-T20-8006	W-T20-8006	Permanent	0.0015		
Wetland	W-T20-8007	W-T20-8007	Permanent	0.0173		
Wetland	W-T96-9003 / W-T96-9003-1 / W-T96-9003-2	W-T96-9003 / W-T96-9003-1 / W-T96-9003-2	Permanent	0.0629		
Wetland	W-T96-9004	W-196-9004	Permanent	0.0139		
Stream	WW-T35-8001	Good Spring Creek (WW-T35-8001)	Permanent	0.0025		

2

E54-360							
Resource Type stream, wetland, floodway, body of water)	Resource ID	Resource Name	Temporary or Permanent Impact	Impact area (acres)	Rounded Total for Fee	Fee	
Floodway	Floodway to WW-T35- 8001	Floodway to Good Spring Creek (WW-T35-8001)	Permanent	0.0786			
Wetland	W-T95-9001A	W-T95-9001A	Permanent	0.0165			
Wetland	W-T95-9001B / W-T95-	W-T95-9001B /	Permanent	0.0220			
wettand	9001B-1	W-T95-9001B-1	remanent	0.0220			
Wetland	W-T20-8003A	W-T20-8003A / W-T20-8003A-1	Permanent	0.0265			
Stream	WW-T20-8001A	UNT to Pine Creek (WW-T20-8001A)	Permanent	0.0013			
Floodway	Floodway to WW-T20-8001A	Floodway to UNT to Pine Creek (WW-T20-8001A)	Permanent	0.0040			
Stream	WW-T20-8001	Pine Creek (WW-T20-8001)	Permanent	0.0038			
Floodway	Floodway to WW-T20- 8001	Floodway to Pine Creek (WW-T20-8001)	Permanent	0.0522			
Stream	WW-T20-9001	UNT to Pine Creek (WW-T20-9001)	Permanent	0.0042			
Floodway	Floodway to WW-T20- 9001	Floodway to UNT to Pine Creek (WW-T20-9001)	Permanent	0.0268			
Wetland	W-T16-9001	W-T16-9001	Permanent	0.0029			
Stream	WW-T16-9001	UNT to Pine Creek (WW-T16-9001)	Permanent	0.0008			
Floodway	Floodway to WW-T16- 9001	Floodway to UNT to Pine Creek (WW-T16-9001)	Permanent	0.0204			
Wetland	W-T53-9001A/ W-T53-9001A-1	W-T53-9001A/ W-T53-9001A-1	Permanent	0.0630			
Wetland	W-T53-9001C	W-T53-9001C	Permanent	0.0265			
Wetland	W-T16-9003C	W-T16-9003C	Permanent	0.0210			
Wetland	W-T16-9003A	W-T16-9003A	Permanent	0.0002			
Stream	WW-T16-9003	Deep Creek (WW-T16-9003)	Permanent	0.0136			
Floodway	Floodway to WW-T16- 9003	Floodway to Deep Creek (WW-T16-9003)	Permanent	0.0427			
Wetland	W-T11-9002	W-T11-9002	Permanent	0.0001			
Stream	WW-T11-9001	Mahantango Creek (WW-T11-9001)	Permanent	0.0097			
Floodway	Floodway to WW-T11- 9001	Floodway to Mahantango Creek (WW-T11-9001)	Permanent	0.0843			
Wetland	W-T11-9001	W-T11-9001	Permanent	0.0283			
Stream	WW-T09-9002	UNT to Little Mahantango Creek (WW-T09-9002)	Permanent	0.0020			
Floodway	Floodway to WW-T09- 9002	Floodway to UNT to Little Mahantango Creek (WW-T09-9002)	Permanent	0.0099			
Wetland	W-T09-9002	W-T09-9002	Permanent	0.0602			
Stream	WW-T09-9001	Little Mahantango Creek (WW-T09-9001)	Permanent	0.0046			

		E54-360				
Resource Type (stream, wetland, floodway, body of water)	Resource ID	Resource Name	Temporary or Permanent Impact	Impact area (acres)	Rounded Total for Fee	Fee
Floodway	Floodway to WW-T09- 9001	Floodway to Little Mahantango Creek (WW-T09-9001)	Permanent	0.0230		
Ditch	N/A	Drainage ditch to Swatara Creek	Permanent (Beneficial)	0.0100		
	-	•			Permanent Impac	t Fee = \$8,000/acr
			Revised Impacts	1.5609	1.6	\$12,800
		Pr	eviously Submitted Totals (11-22-2016)	1.5348	1.6	\$12,800
				С	hange / Balance Due	<i>\$0</i>
Stream	WW-T34-7001	UNT to Mill Creek (WW-T34-7001)	Temporary	0.0373		
Floodway	Floodway to WW-T34- 7001	Floodway to UNT to Mill Creek (WW-T34-7001)	Temporary	0.2192		
Floodway	Floodway to WW-T35- 7001	Floodway to UNT to Mill Creek (WW-T35-7001)	Temporary	0.5322		
Pond	WB-T35-7001	WB-T35-7001	Temporary	0.0757		
Wetland	W-T35-7001	W-T35-7001	Temporary	0.0570		
Stream	WW-T35-7002	Mill Creek (WW-T35-7002)	Temporary	0.0957		
Floodway	Floodway to WW-T35- 7002	Floodway to Mill Creek (WW-T35-7002)	Temporary	0.4100		
Stream	WW-T34-7002	UNT to Mill Creek (WW-T34-7002)	Temporary	0.0238		
Floodway	Floodway to WW-T34- 7002	Floodway to UNT to Mill Creek (WW-T34-7002)	Temporary	0.1941		
Wetland	W-T34-7002	W-T34-7002	Temporary	0.0277		
Wetland	W-T34-8001-1	W-T34-8001/ W-T34-8001-1	Temporary ⁶	0.0248		
Stream	WW-T34-8001	UNT to Swatara Creek (WW-T34-8001)	Temporary	0.0346		
Floodway	Floodway to WW-T34- 8001	Floodway to UNT to Swatara Creek (WW-T34-8001)	Temporary	0.4628		
Stream	WW-T34-8001A	UNT to Swatara Creek (WW-T34-8001A)	Temporary	0.0226		
Stream	WW-T31-7001	UNT to Swatara Creek (WW-T31-7001)	Temporary	0.0477		
Floodway	Floodway to WW-T31- 7001	Floodway to UNT to Swatara Creek (WW-T31-7001)	Temporary	0.2589		
Wetland	W-T31-7001	W-T31-7001	Temporary	0.0222		
Wetland	W-T18-7005A	W-T18-7005A	Temporary	0.0677		
Floodway	Floodway to WW-T18- 7004	Floodway to UNT to Swatara Creek (WW-T18-7004)	Temporary	0.0835		
Wetland	W-T21-7001	W-T21-7001	Temporary	0.0251		
Stream	WW-T18-7007C	UNT to Swatara Creek (WW-T18-7007C)	Temporary	0.0131		
Stream	WW-T18-7007A	UNT to Swatara Creek (WW-T18-7007A)	Temporary	0.0390		

		E54-360				
Resource Type stream, wetland, floodway, body of water)	Resource ID	Resource Name	Temporary or Permanent Impact	Impact area (acres)	Rounded Total for Fee	Fee
Stream	WW-T18-7007	UNT to Swatara Creek (WW-T18-7007)	Temporary	0.0604		
Floodway	Floodway to WW-T18- 7007	Floodway to UNT to Swatara Creek (WW-T18-7007)	Temporary	0.6317		
Stream	WW-T21-7001	UNT to Swatara Creek (WW-T21-7001)	Temporary	0.0251		
Floodway	Floodway to WW-T21- 7001	Floodway to UNT to Swatara Creek (WW-T21-7001)	Temporary	0.3875		
Stream	WW-T21-7002	UNT to Swatara Creek (WW-T21-7002)	Temporary	0.1037		
Floodway	Floodway to WW-T21- 7002	Floodway to UNT to Swatara Creek (WW-T21-7002)	Temporary	0.1975		
Stream	WW-T31-8001	Lorberry Creek (WW-T31-8001)	Temporary	0.0917		
Floodway	Floodway to WW-T31- 8001	Floodway to Lorberry Creek (WW-T31-8001)	Temporary	0.3099		
Stream	WW-T31-8001A	UNT to Lorberry Creek (WW-T31-8001A)	Temporary	0.0272		
Pond	WB-T32-8002	WB-T32-8002	Temporary	0.0178		
Wetland	W-T24-8005	W-T24-8005	Temporary	0.0188		
Stream	WW-T43-8002	UNT to Lower Rausch Creek (WW-T43-8002)	Temporary	0.0194		
Floodway	Floodway to WW-T43- 8002	Floodway to UNT to Lower Rausch Creek (WW-T43-8002)	Temporary	0.2073		
Stream	WW-T43-8001	UNT to Lower Rausch Creek (WW-T43-8001)	Temporary	0.0099		
Floodway	Floodway to WW-T43- 8001	Floodway to UNT to Lower Rausch Creek (WW-T43-8001)	Temporary	0.1959		
Pond	WB-T32-8001	WB-T32-8001	Temporary	0.0399		
Stream	WW-T24-8003	UNT to Lower Rausch Creek (WW-T24-8003)	Temporary	0.0346		
Floodway	Floodway to WW-T24- 8003	Floodway to UNT to Lower Rausch Creek (WW-T24-8003)	Temporary	0.2934		
Stream	WW-T24-8002	Lower Rausch Creek (WW-T24-8002)	Temporary	0.0235		
Floodway	Floodway to WW-T24-8002	Floodway to Lower Rausch Creek (WW-T24-8002)	Temporary	1.4257		
Stream	WW-T24-8001	UNT to Lower Rausch Creek (WW-T24-8001)	Temporary	0.0484		
Floodway	Floodway to WW-T24- 8001	Floodway to UNT to Lower Rausch Creek (WW T24-8001)	Temporary	1.7067		
Wetland	W-T24-8004	W-T24-8004	Temporary	0.0273		
Stream	WW-T95-8001	UNT to Lower Rausch Creek (WW-T95-8001)	Temporary	0.0137		
Floodway	Floodway to WW-T95-8001	Floodway to UNT to Lower Rausch Creek (WW-T95-8001)	Temporary	0.2810		

5

Resource Type						
stream, wetland, floodway, body of water)	Resource ID	Resource Name	Temporary or Permanent Impact	Impact area (acres)	Rounded Total for Fee	Fee
Stream	WW-T95-8001A	UNT to Lower Rausch Creek (WW-T95-8001A)	Temporary	0.0074		
Wetland	W-T24-8002	W-T24-8002	Temporary	0.0467		
Wetland	W-T20-8006	W-T20-8006	Temporary ⁶	0.0092		
Wetland	W-T20-8007	W-T20-8007	Temporary ⁶	0.0836		
	W-T96-9003 /	W-T96-9003 /	Temporary			
Wetland	W-T96-9003-1 / W-T96-9003-2	W-T96-9003-1 / W-T96-9003-2	Temporary	0.6574		
Wetland	W-T96-9004	W-T96-9004	Temporary	0.0536		
Stream	WW-T35-8001	Good Spring Creek (WW-T35-8001)	Temporary	0.0263		
Floodway	Floodway to WW-T35- 8001	Floodway to Good Spring Creek (WW-T35-8001)	Temporary	1.1692		
Wetland	W-T95-9001A	W-T95-9001A	Temporary	0.0794		
Wetland	W-T95-9001B / W-T95- 9001B-1 / W-T95-9001B- 2	W-T95-9001B / W-T95-9001B-1 / W-T95-9001B-2	Temporary	0.3808		
Wetland	W-T20-8003A	W-T20-8003A / W-T20-8003A-1	Temporary	0.1621		
Stream	WW-T20-8001A	UNT to Pine Creek (WW-T20-8001A)	Temporary	0.0104		
Floodway	Floodway to WW-T20-8001A	Floodway to UNT to Pine Creek (WW-T20-8001A)	Temporary	0.0796		
Stream	WW-T20-8001	Pine Creek (WW-T20-8001)	Temporary	0.0264		
Floodway	Floodway to WW-T20- 8001	Floodway to Pine Creek (WW-T20-8001)	Temporary	0.5749		
Stream	WW-T20-9001	UNT to Pine Creek (WW-T20-9001)	Temporary	0.0315		
Floodway	Floodway to WW-T20- 9001	Floodway to UNT to Pine Creek (WW-T20-9001)	Temporary	0.2269		
Wetland	W-T16-9001	W-T16-9001	Temporary	0.0191		
Stream	WW-T16-9001	UNT to Pine Creek (WW-T16-9001)	Temporary	0.0053		
Floodway	Floodway to WW-T16- 9001	Floodway to UNT to Pine Creek (WW-T16-9001)	Temporary	0.2124		
Pond	WB-T10-9001	WB-T10-9001	Temporary	0.0001		
Wetland	W-T53-9001A/ W-T53-9001A-1	W-T53-9001A/ W-T53-9001A-1	Temporary	0.3476		
Wetland	W-T53-9001C	W-T53-9001C	Temporary	0.0070		
Wetland	W-T16-9003C	W-T16-9003C	Temporary ⁶	0.0264		
Wetland	W-T16-9003A	W-T16-9003A	Temporary	0.0065		
Stream	WW-T16-9003	Deep Creek (WW-T16-9003)	Temporary	0.1024		
Floodway	Floodway to WW-T16- 9003	Floodway to Deep Creek (WW-T16-9003)	Temporary	0.4164		

6

		E54-360				
Resource Type (stream, wetland, floodway, body of water)	Resource ID	Resource Name	Temporary or Permanent Impact	Impact area (acres)	Rounded Total for Fee	Fee
Wetland	W-T11-9002 / W-T11-9002-1	W-T11-9002 / W-T11-9002-1	Temporary	0.0261		
Stream	WW-T11-9001	Mahantango Creek (WW-T11-9001)	Temporary	0.0765		
Floodway	Floodway to WW-T11- 9001	Floodway to Mahantango Creek (WW-T11-9001)	Temporary	0.8065		
Wetland	W-T11-9001	W-T11-9001	Temporary	0.1829		
Stream	WW-T09-9002	UNT to Little Mahantango Creek (WW-T09-9002)	Temporary	0.0148		
Floodway	Floodway to WW-T09- 9002	Floodway to UNT to Little Mahantango Creek (WW-T09-9002)	Temporary	0.0994		
Wetland	W-T09-9002	W-T09-9002	Temporary ⁶	0.0523		
Stream	WW-T09-9001	Little Mahantango Creek (WW-T09-9001)	Temporary	0.0315		
Floodway	Floodway to WW-T09- 9001	Floodway to Little Mahantango Creek (WW-T09-9001)	Temporary	0.1991		
Temporary ⁷	Floodway to WW-T58-7001	Floodway to UNT to Lower Rauch Creek (WW-T58-7001)	Temporary ⁷	0.0877		
Temporary ⁸	Floodway to WW-T35-7002	Floodway to UNT to Swatara Creek (WW-T35-7002)	Temporary ⁸	0.0393		
Temporary ⁹	Floodway to WW-T65-8001A	Floodway to UNT to Swatara Creek (WW-T65-8001A)	Temporary ⁹	0.1569		
Temporary	WW-T65-8001	UNT to Swatara Creek (WW-T65-8001)	Temporary	0.0049		
Temporary ⁹	Floodway to WW-T65-8001	Floodway to UNT to Swatara Creek (WW-T65-8001)	Temporary ⁹	0.0552		
Temporary	WW-T87-9001	UNT to Mahantango Creek (WW-T87-9001)	Temporary	0.0371		
Temporary ¹⁰	Floodway to WW-T87-9001	Floodway to UNT to Mahantango Creek (WW-T87-9001)	Temporary ¹⁰	0.1063		
					Temporary Impac	t Fee = \$4,000/acre
	· · · · · · · · · · · · · · · · · · ·		Revised Impacts	13.9663	14.0	\$56,000
		Previo	ously Submitted Totals (11-22-2016)	13.6505	13.7	\$54,800
				C	hange / Balance Due	\$1,200
					Filia, F.	ć1 7F0
		200	and Cabacitand Tetral (44, 22, 2005, T		Filing Fee	\$1,750
		Previo	usly Submitted Total (11-22-2016: Te Revised Total (Te		rmanent + Filing Fee) rmanent + Filing Fee)	\$69,350 \$70,550
			nevisea Total (Te	porary - Fe	Balance Due	\$1,200
					Daidinee Duc	71,200

¹ Temporary impacts to PFO wetlands include temporal conversion from forested to scrub-shrub or emergent wetland. All impacts to this wetland are within the temporary construction ROW; therefore, the wetland will be allowed to fully revert back to PFO.

Revised April 2017 7

² Temporary impacts to PFO wetlands include temporal conversion from forested to scrub-shrub or emergent wetland. Within this wetland, a 30-foot-wide corridor centered over the pipeline will be permanently converted from forested to scrub-shrub or emergent wetland; the remainder of the wetland will be allowed to fully revert back to PFO.

 $^{^{3}}$ Multiple streams are included in these calculations as the floodways overlap.

Resource Type (stream, wetland, floodway, body of water)	Resource ID	Resource Name	Temporary or Permanent Impact	Impact area (acres)	Rounded Total for Fee	Fee
--	-------------	---------------	-------------------------------	------------------------	--------------------------	-----

⁴ Widths are reported as the maximum width for the feature.

Revised April 2017 8

⁵ Includes both FEMA Detailed and Assumed 50 Foot Buffers.

⁶ Temporary impacts to PFO wetlands include temporal conversion from forested to scrub-shrub or emergent wetland. Within this wetland, a 30-foot-wide corridor centered over the pipeline will be permanently converted from forested to scrub-shrub or emergent wetland; the remainder of the wetland will be allowed to fully revert back to PFO.

The temporary floodway impact represents the full extent of the floodway across the existing access road. Project activities within the floodway will be limited to installation of a rock construction entrance and driveway apron and installation of compost filter sock, as well as vehicle traffic along the existing access road. No permanent fill will be placed or grading completed within the floodway. The driveway apron detail is shown on the Access Road Erosion & Sediment Control and Layout Plans in Attachment M.

The temporary floodway impact represents the full extent of the floodway across the existing access road. Project activities within the floodway will be limited to installation of the rock construction entrance, as well as vehicle traffic along the existing access road. No permanent fill will be placed or grading completed within the floodway.

⁹ The temporary floodway impact represents the full extent of the floodway across the existing access road. Project activities within the floodway will be limited to placement of timber matting over the existing bridge, as well as vehicle traffic along the existing access road. No permanent fill will be placed or grading completed within the floodway.

¹⁰ The temporary floodway impact represents the full extent of the floodway across the existing access road. Project activities within the floodway will be limited to placement of a bridge equipment crossing over the existing stream and driveway apron, as well as vehicle traffic along the existing access road. No permanent fill will be placed or grading completed within the floodway.