**T. L. Harpster** VP-Bell Bend Project-Development

PPL Bell Bend, LLC 38 Bomboy Lane, Suite 2 Berwick, PA 18603 Tel. 570.802.8111 FAX 570.802.8119 tlharpster@pplweb.com



November 14, 2011

Mr. Justin Dresch Pennsylvania DEP Northeast Regional Office Bureau of Watershed Management 2 Public Square Wilkes-Barre, Pennsylvania 18711-1915

BELL BEND NUCLEAR POWER PLANT
JOINT PERMIT APPLICATION: PPL RESPONSE TO
ADMINISTRATIVE INCOMPLETENESS NOTIFICATION
BNP-2011-210 Docket No. 52-039

References:

1) J. Dresch, PADEP, to T. L. Harpster, "Acknowledgement Letter/Administrative Incompleteness Notification, DEP Application No. E40-720", October 25, 2011

Attached are PPL's responses to the specific comments in the referenced notification letter. In addition, we are providing a cross reference table to facilitate your review.

The changes to the JPA requested in Reference 1 are being included in Revision 1 of the JPA, which we expect to provide to the PADEP within several days.

Please do not hesitate to contact Brad Wise of my staff [610-774-6508 or bawise@pplweb.com] directly with any questions you may have regarding this response to your comments.

Respectfully

Terry L. Harpster

TLH/kw

Enclosure: PPL Responses to PADEP Administrative Incompleteness Notification

## cc: (W/ Enclosure)

Ms. Jamie Davis
Office of Environmental Programs (3EA30)
U.S. Environmental Protection Agency
1650 Arch Street
Philadelphia, PA 19103-2029

Mr. Tom Shervinskie Pa Fish & Boat Commission 450 Robinson Lane Bellefonte, PA 16823

Ms. Jennifer Kagel United States Fish & Wildlife Service Pennsylvania Field Office 315 S. Allen St. #322 State College, PA 16801

Mr. Eugene Trowbridge Pa Dept Environmental Resources Northeast Regional Office 2 Public Square Wilkes-Barre, PA 18711

Ms. Paula B. Ballaron Susquehanna River Basin Commission 1721 North Front Street Harrisburg, PA 17102-0425

Mr. Thomas W. Beauduy Susquehanna River Basin Commission 1721 North Front Street Harrisburg, PA 17102-0425

Mr. Joshua Longmore Luzerne Conservation District 485 Smiths Pond Road Shavertown, PA 1 8708

Ms. Karen J. Karchner Zoning/Building Code Official 38 Bomboy Lane Berwick, Pa 18603 Ms. Stacey Imboden Senior Project Manager U.S. Nuclear Regulatory Commission 11545 Rockville Pike Rockville, MD 20852

Ms. Amy Elliott
U.S. Army Corps of Engineers - Baltimore
District
State College Field Office
1631 South Atherton Street, Suite 102
State College, PA 16801

## Enclosure

PPL Responses to PADEP Administrative Incompleteness Notification

Responses to the PADEP October 25, 2011:

Administrative Incompleteness Notification DEP Application No. E40-720 APS No. 753143 Bell Bend Nuclear Power Plant Salem Township, Luzerne County

### Comments:

1. Please more clearly define which wetland areas are "to be created" and which wetland areas are existing natural features. This comment is applicable to Impacts: B,C,D,E, I, J, K, M, P, Q, and R.

Response: No wetland creation is proposed in conjunction with any impacts with letter identifiers. All Wetland impacts are depicted in detail on the Impacts Map (Enclosure D2, Section R, Binder 1B). Wetland mitigation areas are shown as a hatched area on the JPA Plans. More detailed information regarding creation and enhancement areas are provided in Section R (Binder 1C) in the mitigation design reports and plans.

2. Please provide a delineation of the 100-year floodway and the 100-year floodplain associated with all watercourses impacted by the project. If a FEMA Flood Insurance Rate Map depicting the limits of the 100-year floodway and/or the 100-year floodplain is not available, then the 100-year floodway is assumed to extend 50' laterally from the point at which the normal water elevation within the stream channel meets the stream's bank. This comment is applicable to watercourses altered as a result of Impacts: A, B, C, D, E, E, G, H, N, O, U, and V.

**Response**: The floodway has been added to the Impacts Map (Enclosure D2, Section R, Binder 1B). Enlargements have been added to this plan to depict all impacts affecting the regulatory floodway.

3. Please provide a "utility detail map" on sheet "B2-S2" for Bridge #6.

**Response**: A Utility Detail Table has been added to Sheet B2-S2 of the Bridge Drawings.

4. Please note that "Wetland #10" on sheet "B3-S1" should be labeled as "Wetland #12." This comment is applicable to "Impact B."

**Response**: The existing wetland boundary and wetland labels have been corrected on Sheet B3-S1 of the Bridge Drawings.

5. Please provide the size and material type utilized for the water intake and blowdown pipeline associated with "Impact M."

Response: The sizes and materials of the intake and blowdown lines have not yet been finalized. However, likely sizes and materials have been noted on Figure 8P on sheet CS3206 of the JPA Plans (Binder 1A), with a note that these are subject to final design. Text descriptions have also been added to Section H, Project Narrative (Binder 1) and Section J, Environmental Assessment, Enclosure D (Binder 1B).

6. Please provide more details on the intake structure ("Impact S") within the floodway.

**Response**: The existing and proposed floodway have been added to Figure 8F on Sheet CS3205 of the JPA Plans (Binder 1A). This figure shows a cross section of the intake structure area, including the existing river bank.

7. Please add the relocation of Walker Run to the overall impacts table under "Impact V."

Response: Enclosure D4 has been revised to clarify the proposed relocated length of Walker Run associated with the Walker Run mitigation area. Because this is not an impact associated directly with the construction of the power plant, this impact has not been assigned a letter. However the impacts quantities associated with the mitigation sites have now been clarified in the mitigation section of Enclosure D4 of the Environmental Assessment (Section J, Binder 1B)

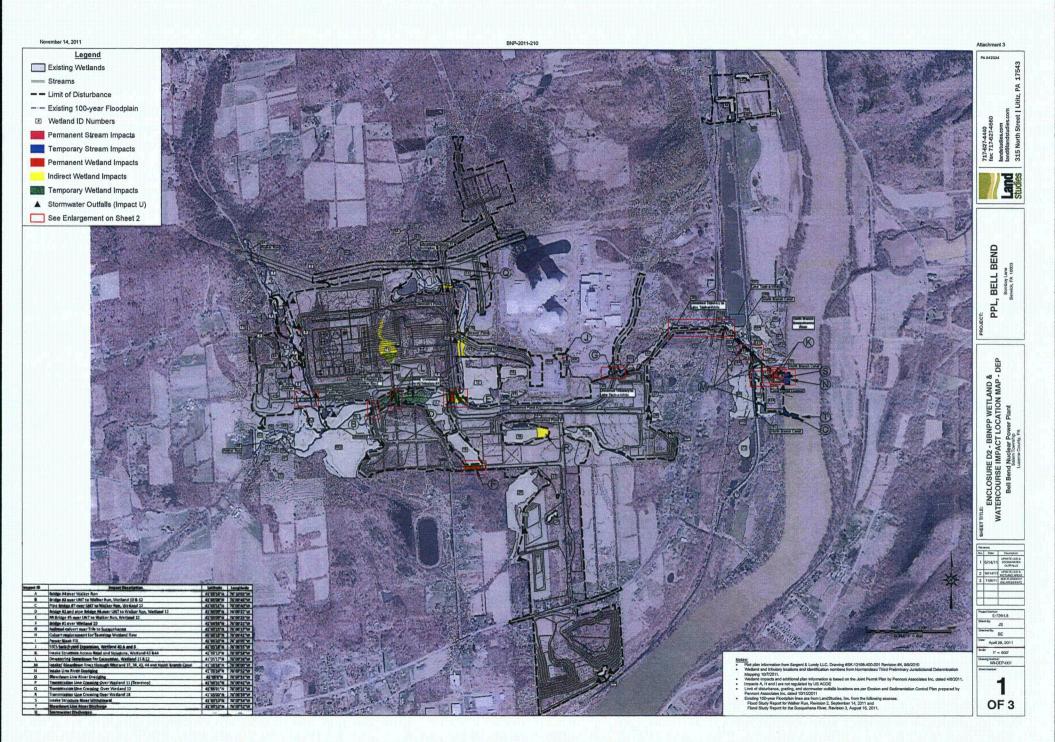
#### Attachments:

- 1. Table of where to find various plans and tables within the JPA application.
- 2. Revised Enclosure D2 BBNPP Wetland & Watercourse Impact Location Map DEP
- 3. Revised Enclosure D2- Enlargements BBNPP Wetland & Watercourse Impact Location Map DEP
- 4. Revised Enclosure D4 BBNPP Wetland & Watercourse Impacts DEP
- 5. Revised Bridge drawings B2-S2, B3-S1 and revised drawings CS3205 and CS3206

In an effort to aid DEP in the review of the BBNPP JPA, the following table is being provided with the intent of clarifying the purpose of the various plans and tables included in the JPA document and the identifying the pertinent information contained in those plans.

# **BBNPP Joint Permit Application Roadmap**

Document	Location in JPA	Purpose	Pertinent information
Joint Permit Application (JPA) Plans	Section F, Binder 1A	Meets the requirement of Item F of the JPA Checklist. Provides plan view of entire site, with details of features to be permitted as well as overall site improvements for context.	Includes plan view showing locations of existing and proposed features as well as cross sections, profiles, and details of proposed improvements. Existing wetlands, streams, and floodplains are shown, as well as the overall extent of proposed impacts and mitigation sites.
Bridge Drawings	Section F, Binder 1A	Depicts the structural design of the proposed bridges	Details bridge configurations, materials, and dimensions. Shows plan view, profile, and cross sections, as well as typical details of structural components. Existing jurisdictional features are shown for reference only
Impacts Map, Enclosure D2	Section R, Binder 1B	Defines extent and categorizes water obstructions and encroachments per Chapter 105 regulations. This plan should be the primary source for the identification of the extent of and type of project impacts to Waters of the Commonwealth, as it provides more specific detail on impacts than the JPA plans.	Defines the extent of permanent, temporary, and indirect project impacts to Waters of the Commonwealth. Impacts are identified by a letter, which is consistently shown on the JPA Plans and Impacts Table. Existing wetlands, watercourses, floodway, and floodplain are shown and identified. Enlargements of impact areas are provided for clarity where needed.
Impacts Table, Enclosure D4	Section R, Binder 1B	Companion to Impacts Map, this table quantifies wetland impacts in terms of permanent (by Cowardin Classification and total), temporary, and indirect, as well as stream impacts (temporary and permanent). Wetland and stream mitigation acreages and lengths are also provided in a separate section of this table. This table should be the primary source for impact and mitigation quantities.	Includes latitude/ longitude, EV status, water-dependent status, GP or waiver qualification, permanent and temporary stream and wetland impacts, indirect impacts, lost functions/ values, and PFO loss. Also includes Summary of mitigation quantities including net wetland creation (by Cowardin classification and total), net stream restoration, functions/ values gained and PFO created.
Walker Run Floodplain Map	Section N, Binder 1	As part of the Flood Study Report for Walker Run and Unnamed Tributary #1, this plan delineates existing and proposed floodplains and floodways.	Delineates the existing and proposed 100-yr and 500-yr floodplain and the proposed floodway. Current Effective FEMA floodway, 100-yr and 500-yr floodplain are also shown. Proposed site features are shown for reference.
Susquehanna River Floodplain Map	Section N, Binder 1	As part of the Flood Study Report for the North Branch of the Susquehanna River, this plan delineates existing and proposed floodplains and floodways.	Delineates the existing and proposed 100-yr and 500-yr floodplain and existing and proposed floodway. Current Effective FEMA floodway, 100-yr and 500-yr floodplain are also shown. Proposed site features are shown for reference.
Mitigation Plans	Section R, Binder 1C	Provides detailed information regarding proposed mitigation sites	Detailed Mitigation Plans and Design reports are provided for the mitigation sites along Walker Run, at Confers Lane, and in and along the North Branch Canal at the Riverlands. Mitigation plans provide detailed grading, cross sections, and construction details as well as planting plans for all mitigation areas. Design reports include all pertinent design information and wetland and stream creation and enhancement quantities.



Land Studies

PPL, BELL BEND

Bornboy Lane
Bernick, PA 18603

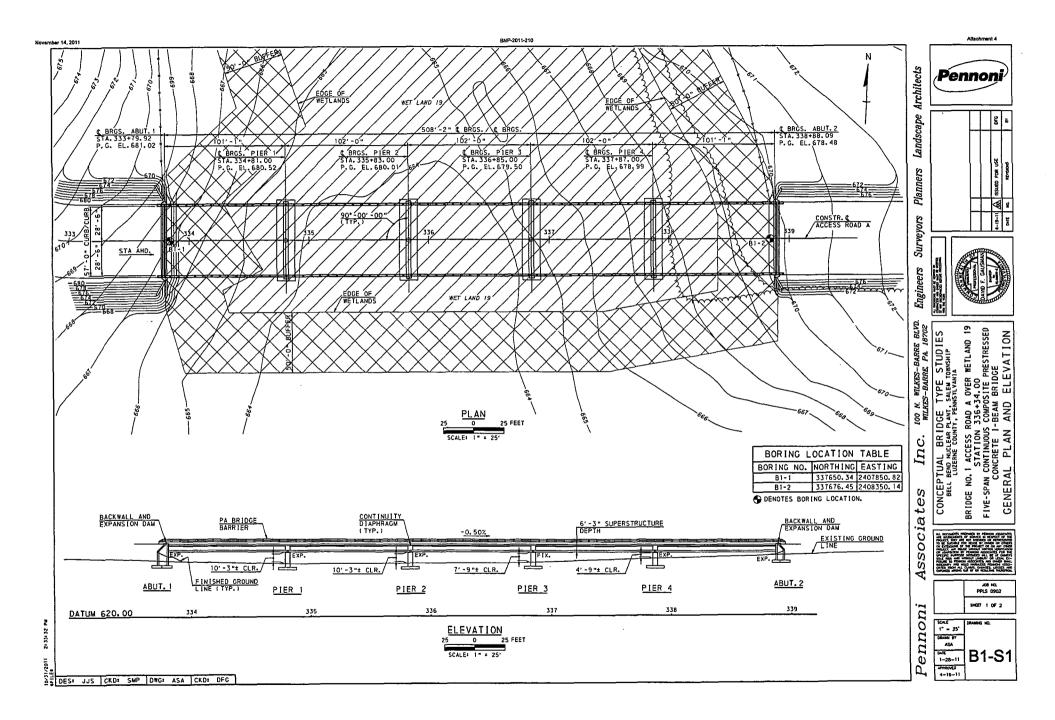
ENCLOSURE D4 - BBNPP WETLAND & WATERCOURSE IMPACTS - DEP Bell Bend Nuclear Power Plant Learne County, PA

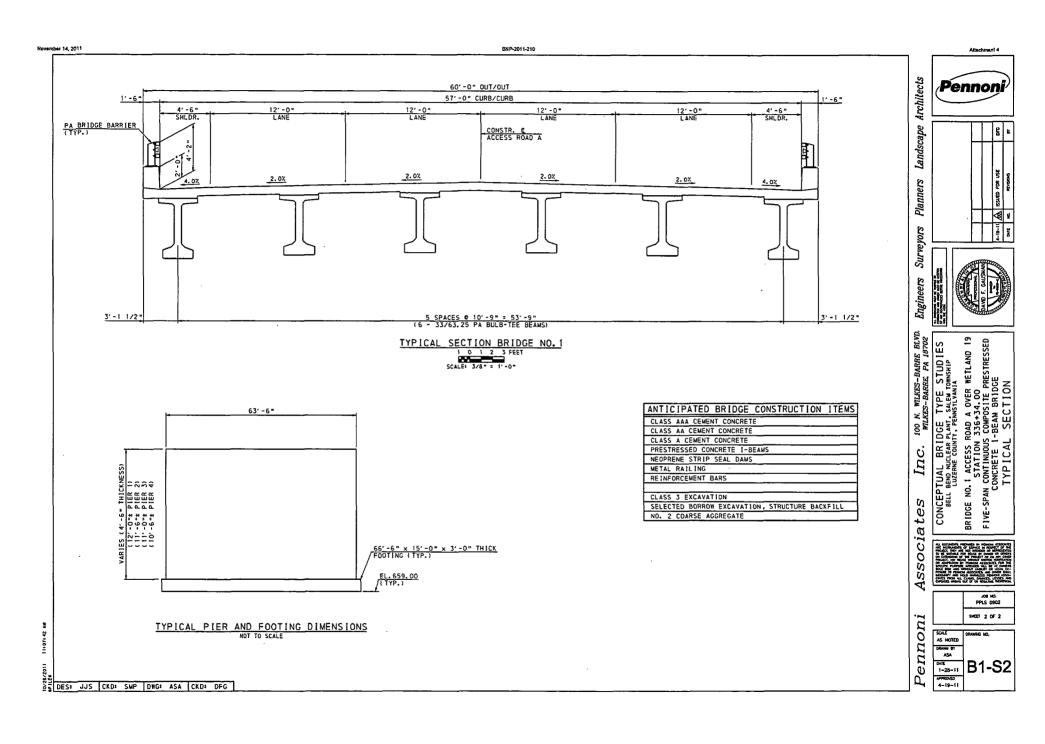
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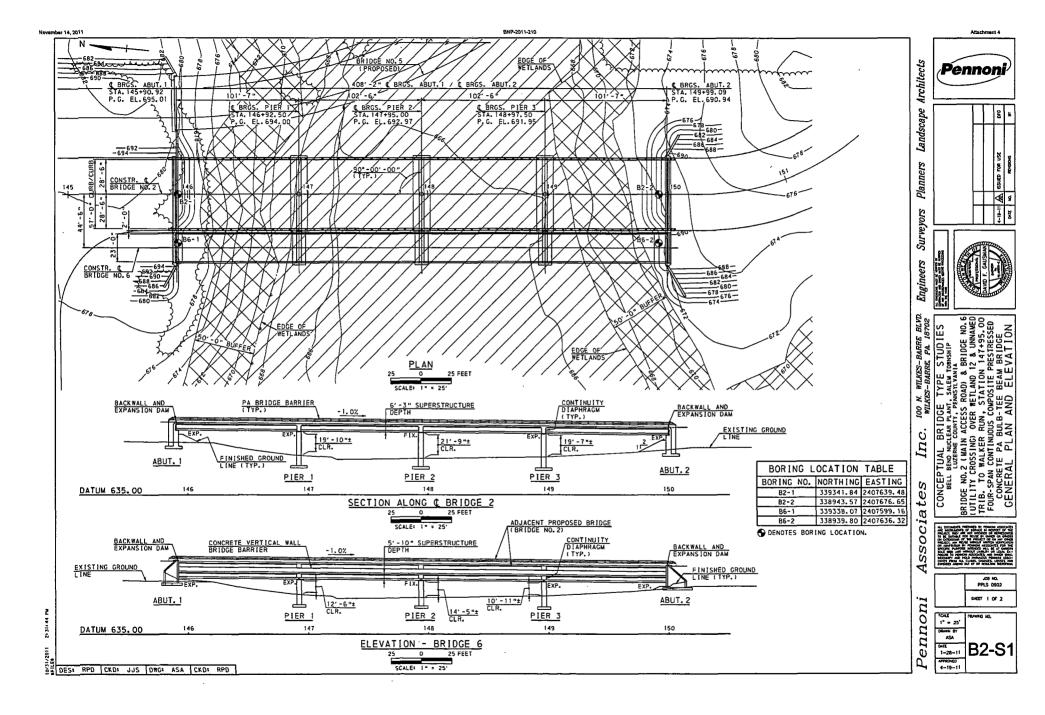
							DEP Jurisdictional Wedned Imp			Impacts			DEP Street	en Propactic		DEP		
							Temperary	Personent *	PFO	PSS	PEM	Perm	derent*	Ten	perary	Indirect Impacts	Appropriate addition	PFOLo
ect ID	Impact Description	Lettude	Longitude	EV Watland?	Water Dependent?	Qualities for GP or Walver?	(ec.)	(oc.)	(ec.)	(ac.)	(ac.)	(15)	(sc.)	tur)	(ac)	(ac.)	Fan./ Volines Lost	(sec.)
A	Bridge \$4 over Walker Run	41'05'10'N	76"10"05"W	MO	YES	VES-GP7					Name -	65	0.03		22.00	-	None	
8	Bridge 43 over UNT to Walker Run, Wetland 10 & 12	41'05'08"N	76'09'46"W	YES	YES	NO	Q.09	0.24	0.01	_	0.13	62	0.02	-	-	0.07	PFO wildlife habitat	0.0
C	Pipe Bridge #7 over UHF to Walker Rus, Wetland 12	41°05'11"N	76°09'40°W	YES	YES	MO	0.16	0.05	0.05			12	0.00	1000	-	0.37	PFO wildlife habitat	0.4
۵	Bridge #2 and pipe Bridge #6 over UNF to Walker Run, Wetland \$2	4E'05'09'N	76'09'27"W	VES	YES	NO	0.18	8.50	0.50		-	87	am	ALC: UNKNOWN	The state of the s	0.50	PFO wikitife hubitat	10
£	RR Buidge R5 over UNT to Walker Run, Wesland 12	41'05'99"N	76'09'25"W	YES	YES	NO	0.23	0.17	0.17			29	0.00	-		0.47	PFO wildlife habitat	9,
F_	Bridge #1 over Wetland 19	41'04'55"N	76'09'21"W	NO	YES	MO	0.33	0.55	0.55	-	_	_		-	_	0.52	PFO weidlife habitat	1.0
6	Railroad sulvert over Irib to Susquehanna	41"05"15"N	76"08"37"W	NO	YES	NO	_	_	_	-		125	0.070	-	_		TO MARKET HOME	-
н	Cubent replacement for Teardrop Wetland Slow	41'05'15"N	76°09'41"W	YES	WES	VES-Wahrer 2		-	-			-		567	0.01			-
1	Power Black Fill	41'05'Z3"H	76"10"05"W	NO	NO	NO	0.00	0.12			0.12	_			-			
1	SSES Switchyard Expansion, Wetland 49 A and 8	41°05°18°H	76"08"55"W	NO.	NO	NO	-	0.06	-		0.06	-	-	100000	_		The state of the s	-
K	Intoke Structure Access Road and Structure, Wesland 43 844	41'05'13"N	76'07'58"W	NO	YES	NO		0.94	0.30	-	0.68	617	0.02	-			PFO wildlife habitat, fish habitat, floodflow alteration, all 4 values	
L	Dewatering Drawdown for Excavation, Wetland 11 &12	41'05'17"N	76"09"36"W	YES	YES	NO	5.56					-	-	1996	a be		Groundwater discharge	- 0.
M	intake/ Blowdown Sines through Wetland 37, 38, 43, 44 and North Sranch Canal	41'05'18"N	76'00'00'W	NO	VES	YES LOPS	0.78						-	47	0.00	0.00	Temperary PFO wildlife habitat	0
N	Intake Line River Dredging	41'05'14"N	76°07'52"W	NO	YES	NO.				-		_		230	061	0.00		
0	Blowdown Line River Dredging	41'05'6"N	76'07'51"W	NO	YES	WO						<del></del>	<del>                                     </del>	E0.	0.46	-		-
•	Transmission Line Crossing Over Wetland 11 (Teardrop)	41'05'21"N	76"09"42"W	YES	NO.	WC.GPS	177700		The Property leaves	STATE OF THE OWNER, OR SHOULD NOT THE OWNER, O				-		3.46	PFO widdlin building	3.
Q	Transmission Line Crossing Over Wetland 12	41'05'21"N	76°09'21"W	YES	MO	YES-GPS					-	<del></del>	<del> </del>			1.77	PFO wildlife habitat	1
R	Transmission Line Crossing Over Wetland 18	41'05'93"N	76'08'59"W	NO	NO	YES-GP5						-	<del></del>			0.75	PFO wildlife habitat	0
5	Intake Structure Kiver Withdrawal	41°05'13"N	76"07"54"W	NO	YES	YES-GP4					-	-		-		0.73	PTO sensite baseca.	- 0
T	Blowdown Line River Discharge	41'05'12"N	76°07'52"W	NO	VES	NO	100	-			<del></del>	<del>+ = -</del>	<del></del>			<del></del>		-
U	Stormwater Discharges	_	-	YES/NO	YES	YES-6P4							_	_	_	<del></del>	Hote	+
			A CONTRACTOR OF THE PARTY OF TH			Subtotale	7.33	2.37	1.58	0.00	0.60	-	0.77	7790	1.42	7.93	The state of the s	9,1
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	mannam wenana nepasament Acres	-		I		EV Totals	6.22	0.96	0.73	0.00	0.13	190,60	0.04	1948	8.31	6.39		7.30
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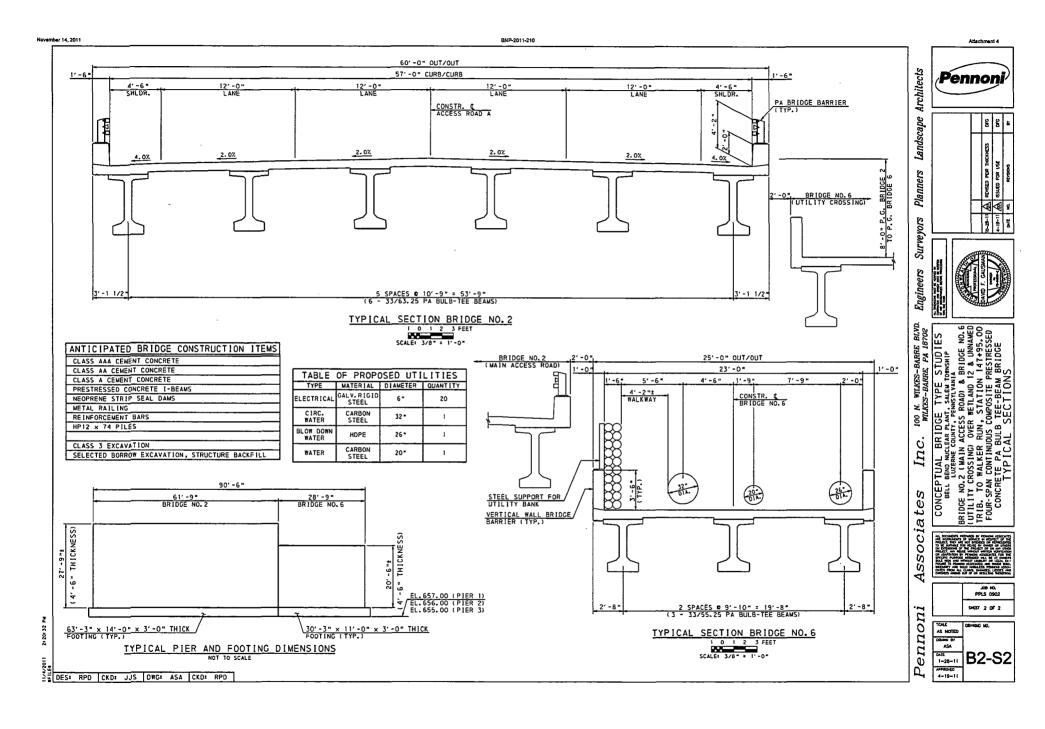
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Aitigation Sites	Tetal PFO Created PFO Impacted*		PSS	PEM Created	PEM Impacted*	Yotal	Total Abandonesi*		d* Created Net Creation Enhancemen		And Copperson and the Copperson of Copperson		
	(ac)	(ac)		(ac.)		(=c)	(LF)	(17)	(U)	(EP)	(LF)		(ac)
/alker Run, Site A and B	7.87	8.20	-0.03	0.00	0.00	-0.25	211	2799	Manual South		BOOK BOOK 357 M	PFO wildlife habitar, flah habitar, stream stabilitation, groundwater recharge, sediment reductions, flood flow alteration	500011973
Nerlands-North Branch Canal Restoration	0.00	0.00	0.00	9.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Uniqueness/heritage, recreation, educational/scientific value, flood flow atteration, PFD wildlife tubitar	0.41
onfers Lane Removal	0,36	0.36	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	PFO wildfile habitat	0.40
Total Mitigation Sites	1.73	8.56	-0.08	0.00	0.00	DESCRIPTION OF THE PARTY OF	2212	-7700	4150	135	853.0		100

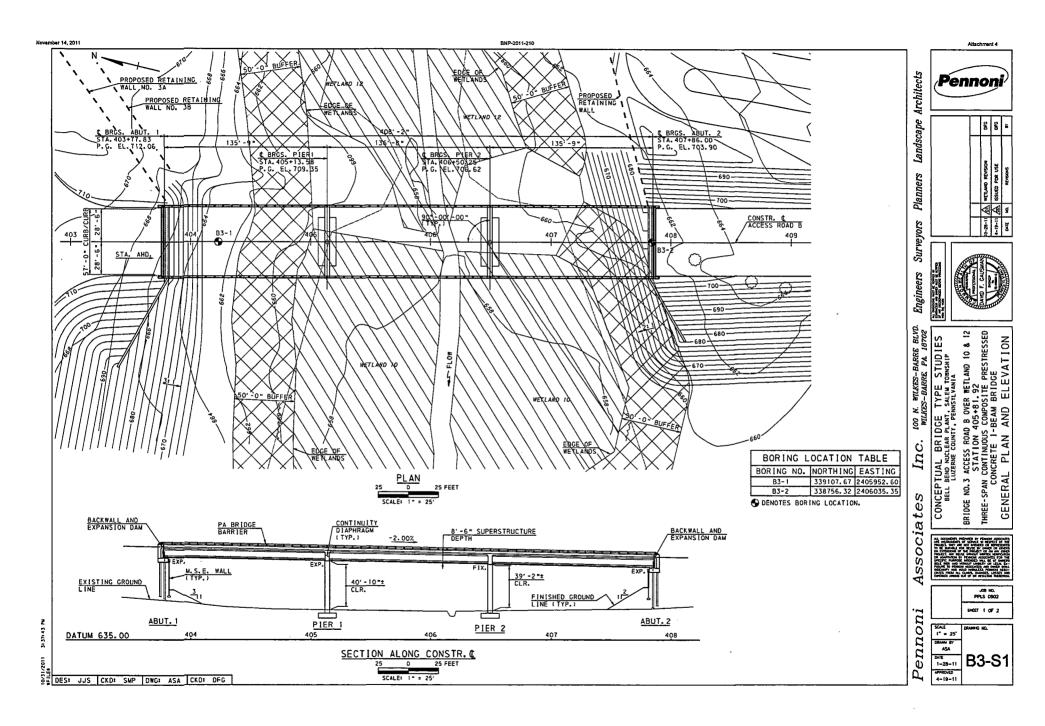
Replacement Ratios Provided (Recommended Sites)	Total	PFO	PSS	PEM
	(ac)	(ac.)	fac.)	(ac.)

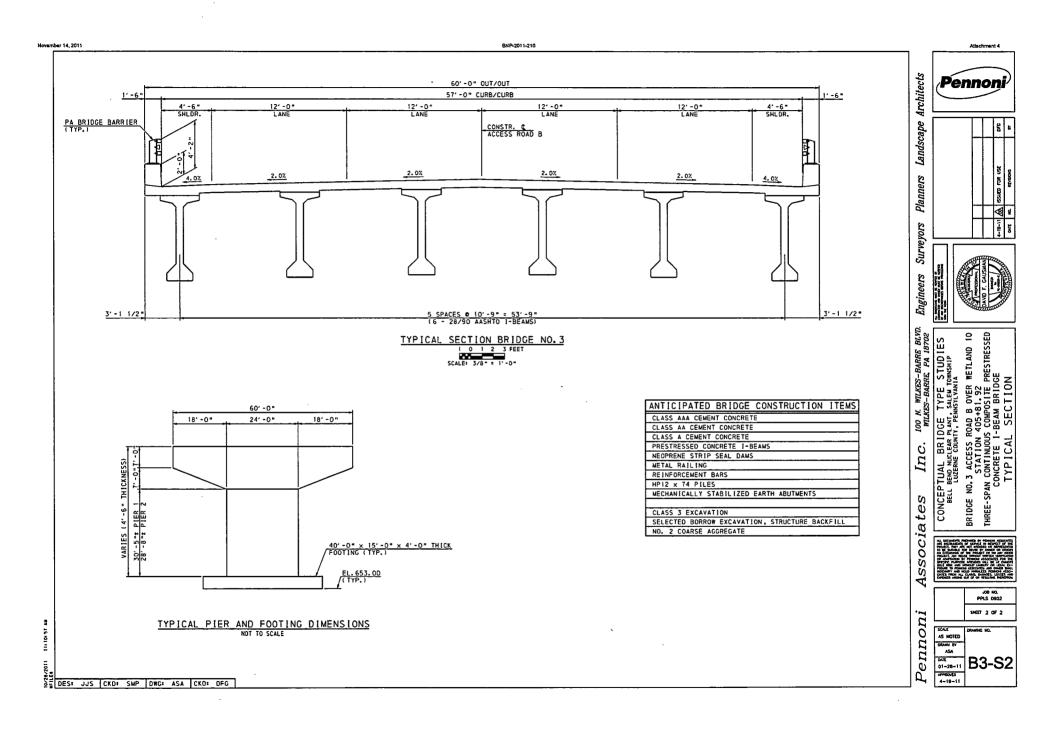


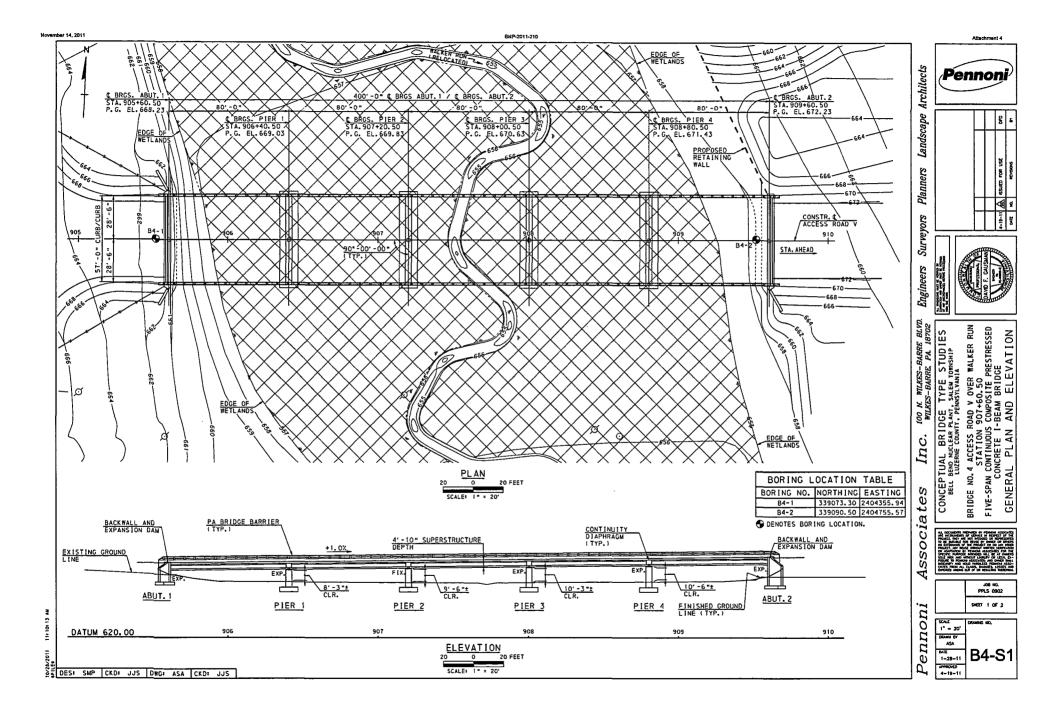


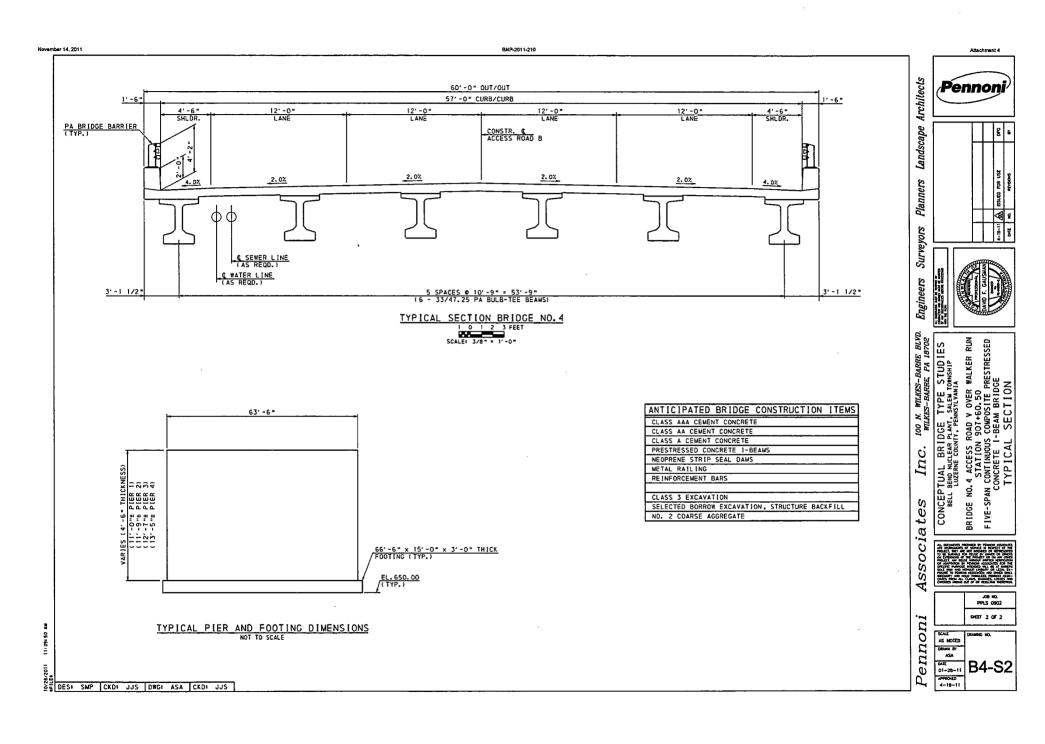


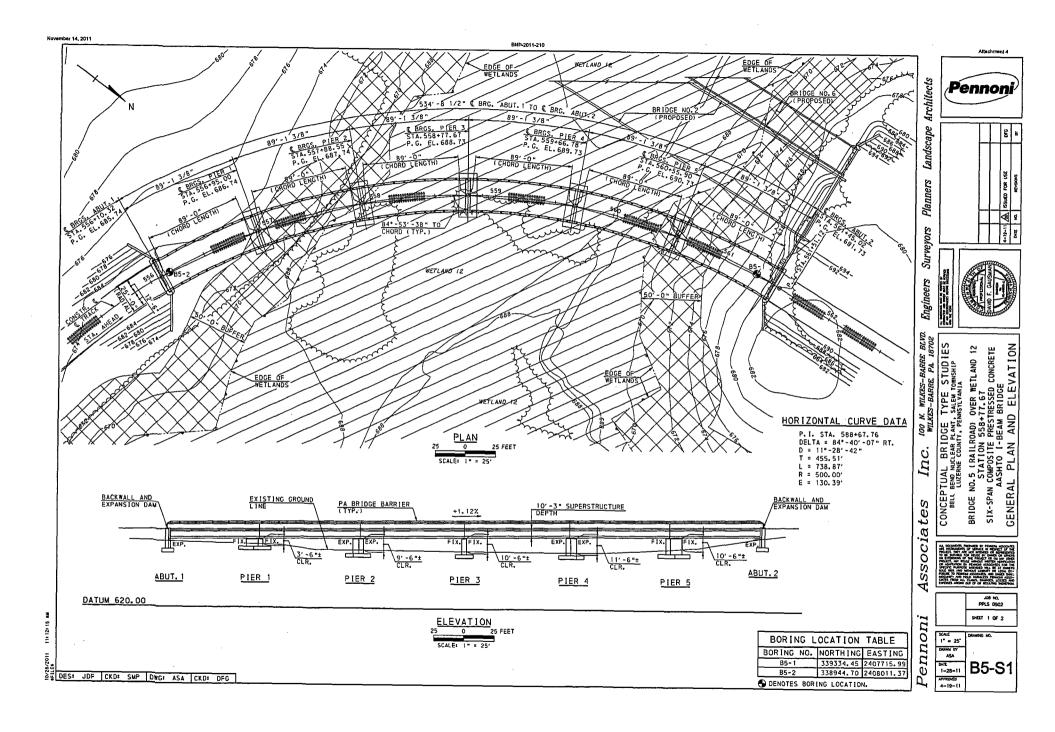


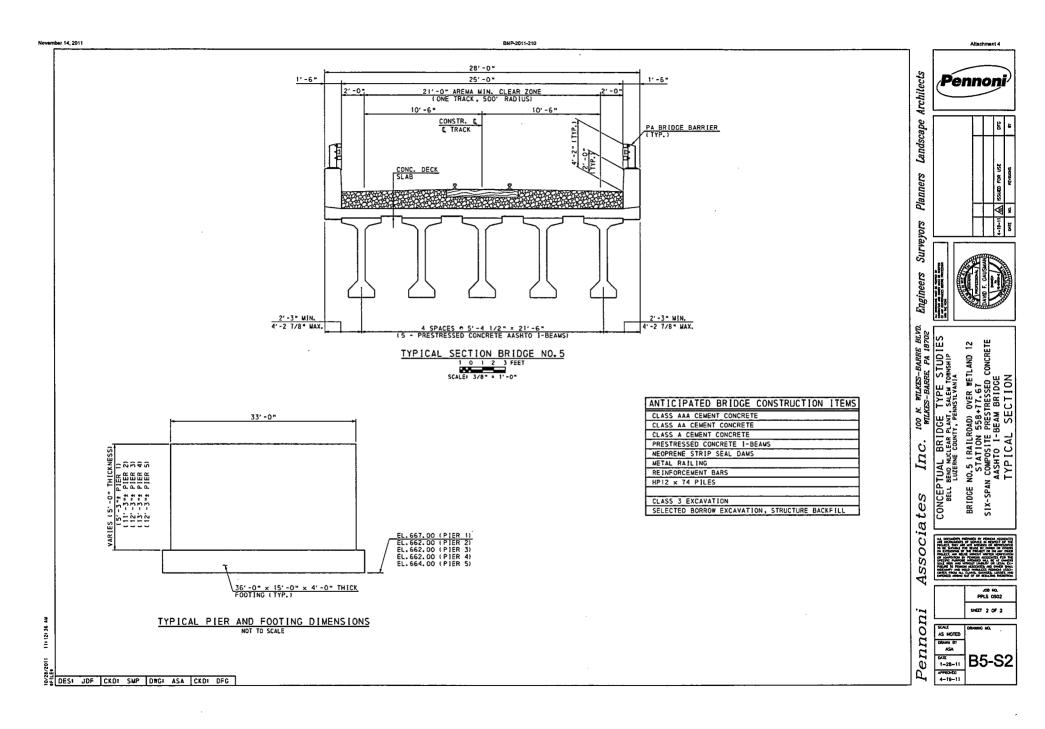


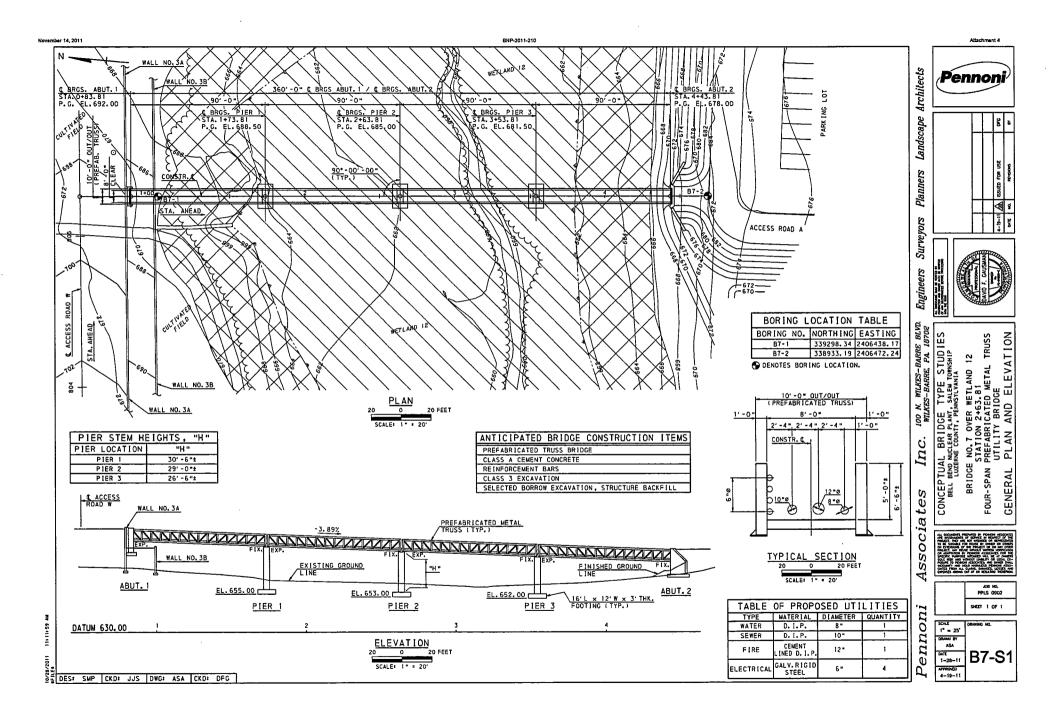


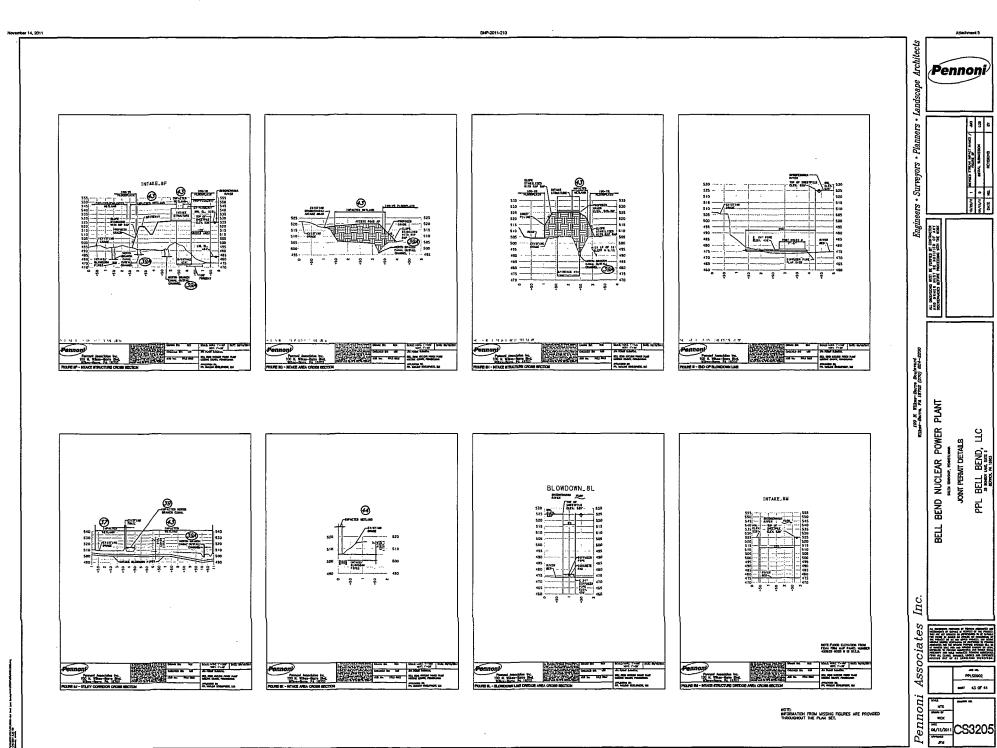


















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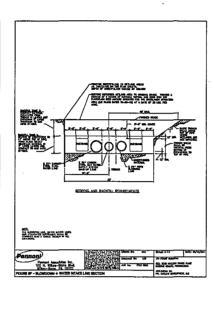
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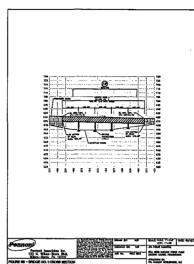
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APPROXICE





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