

**Section A**  
**General Information Form**



**COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION**

## GENERAL INFORMATION FORM – AUTHORIZATION APPLICATION

Before completing this General Information Form (GIF), read the step-by-step instructions provided in this application package. This version of the General Information Form (GIF) must be completed and returned with any program-specific application being submitted to the Department.

<b>Related ID#s (If Known)</b>		<b>DEP USE ONLY</b>	
<b>Client ID#</b> _____	<b>APS ID#</b> _____	Date Received & General Notes	
<b>Site ID#</b> _____	<b>Auth ID#</b> _____		
<b>Facility ID#</b> _____			

### CLIENT INFORMATION

<b>DEP Client ID#</b> PAI024010006	<b>Client Type / Code</b> LLC			
<b>Organization Name or Registered Fictitious Name</b> PPL Bell Bend LLC	<b>Employer ID# (EIN)</b> 26-3159555	<b>Dun &amp; Bradstreet ID#</b> 82-794-5309		
<b>Individual Last Name</b>	<b>First Name</b>	<b>MI</b>	<b>Suffix</b>	<b>SSN</b>
<b>Additional Individual Last Name</b>	<b>First Name</b>	<b>MI</b>	<b>Suffix</b>	<b>SSN</b>
<b>Mailing Address Line 1</b> 38 Bomboy Lane, Suite 2	<b>Mailing Address Line 2</b>			
<b>Address Last Line – City</b> Berwick	<b>State</b> PA	<b>ZIP+4</b> 18603	<b>Country</b> USA	
<b>Client Contact Last Name</b> Harpster	<b>First Name</b> Terry	<b>MI</b> L	<b>Suffix</b>	
<b>Client Contact Title</b> VP-Bell Bend Project-Development	<b>Phone</b> 570-802-8111	<b>Ext</b>		
<b>Email Address</b> tlharpster@pplweb.com	<b>FAX</b> 570-802-8119			

### SITE INFORMATION

<b>DEP Site ID#</b>	<b>Site Name</b> Bell Bend Nuclear Power Plant				
<b>EPA ID#</b>	<b>Estimated Number of Employees to be Present at Site</b>	363			
<b>Description of Site</b> Nuclear Power Plant					
<b>County Name</b> Luzerne	<b>Municipality</b> Salem	<b>City</b> <input type="checkbox"/>	<b>Boro</b> <input type="checkbox"/>	<b>Twp</b> <input checked="" type="checkbox"/>	<b>State</b>
<b>County Name</b>	<b>Municipality</b>	<b>City</b> <input type="checkbox"/>	<b>Boro</b> <input type="checkbox"/>	<b>Twp</b> <input type="checkbox"/>	<b>State</b>
<b>Site Location Line 1</b>	<b>Site Location Line 2</b>				
<b>Site Location Last Line – City</b> Berwick	<b>State</b> PA	<b>ZIP+4</b> 18603			
<b>Detailed Written Directions to Site</b> I-81N, exit onto Rt93 N, Turn right onto Rt11 N in Berwick, Turn left onto N. Market St. Bear Right to continue on Market Street. Site is on the right.					
<b>Site Contact Last Name</b> Wise	<b>First Name</b> Bradley	<b>MI</b> A	<b>Suffix</b>		
<b>Site Contact Title</b> Environmental Permitting Supervisor	<b>Site Contact Firm</b> PPL Bell Bend				
<b>Mailing Address Line 1</b> 2 North Ninth Street (PL-4)	<b>Mailing Address Line 2</b>				
<b>Mailing Address Last Line – City</b> Allentown	<b>State</b> PA	<b>ZIP+4</b> 18101			

<b>Phone</b> 610-774-6508	<b>Ext</b>	<b>FAX</b> 610-774-2618	<b>Email Address</b> bawise@pplweb.com
<b>NAICS Codes</b> (Two- & Three-Digit Codes – List All That Apply) 221			<b>6-Digit Code</b> (Optional) 221113
<b>Client to Site Relationship</b> OWNOP			

### FACILITY INFORMATION

<b>Modification of Existing Facility</b>			<b>Yes</b>	<b>No</b>
1. Will this project modify an existing facility, system, or activity?			<input type="checkbox"/>	<input checked="" type="checkbox"/>
2. Will this project involve an addition to an existing facility, system, or activity?			<input type="checkbox"/>	<input checked="" type="checkbox"/>
If "Yes", check all relevant facility types and provide DEP facility identification numbers below.				
<b>Facility Type</b>	<b>DEP Fac ID#</b>	<b>Facility Type</b>	<b>DEP Fac ID#</b>	
<input type="checkbox"/> Air Emission Plant		<input type="checkbox"/> Industrial Minerals Mining Operation		
<input type="checkbox"/> Beneficial Use (water)		<input type="checkbox"/> Laboratory Location		
<input type="checkbox"/> Blasting Operation		<input type="checkbox"/> Land Recycling Cleanup Location		
<input type="checkbox"/> Captive Hazardous Waste Operation		<input type="checkbox"/> MineDrainageTrmt/LandRecyProjLocation		
<input type="checkbox"/> Coal Ash Beneficial Use Operation		<input type="checkbox"/> Municipal Waste Operation		
<input type="checkbox"/> Coal Mining Operation		<input type="checkbox"/> Oil & Gas Encroachment Location		
<input type="checkbox"/> Coal Pillar Location		<input type="checkbox"/> Oil & Gas Location		
<input type="checkbox"/> Commercial Hazardous Waste Operation		<input type="checkbox"/> Oil & Gas Water Poll Control Facility		
<input type="checkbox"/> Dam Location		<input type="checkbox"/> Public Water Supply System		
<input type="checkbox"/> Deep Mine Safety Operation -Anthracite		<input type="checkbox"/> Radiation Facility		
<input type="checkbox"/> Deep Mine Safety Operation -Bituminous		<input type="checkbox"/> Residual Waste Operation		
<input type="checkbox"/> Deep Mine Safety Operation -Ind Minerals		<input type="checkbox"/> Storage Tank Location		
<input type="checkbox"/> Encroachment Location (water, wetland)		<input type="checkbox"/> Water Pollution Control Facility		
<input type="checkbox"/> Erosion & Sediment Control Facility		<input type="checkbox"/> Water Resource		
<input type="checkbox"/> Explosive Storage Location		<input type="checkbox"/> Other:		
<b>Latitude/Longitude</b>	<b>Latitude</b>		<b>Longitude</b>	
<b>Point of Origin</b>	<b>Degrees</b>	<b>Minutes</b>	<b>Seconds</b>	<b>Degrees</b>
	41	05	21.19	76
				09
				57.34
<b>Horizontal Accuracy Measure</b>	Feet	--or-- Meters		
<b>Horizontal Reference Datum Code</b>	<input type="checkbox"/> North American Datum of 1927 <input checked="" type="checkbox"/> North American Datum of 1983 <input type="checkbox"/> World Geodetic System of 1984			
<b>Horizontal Collection Method Code</b>	SURVY			
<b>Reference Point Code</b>	Reactor Building			
<b>Altitude</b>	Feet	719	--or-- Meters	
<b>Altitude Datum Name</b>	<input type="checkbox"/> The National Geodetic Vertical Datum of 1929 <input checked="" type="checkbox"/> The North American Vertical Datum of 1988 (NAVD88)			
<b>Altitude (Vertical) Location Datum Collection Method Code</b>	SRVEY			
<b>Geometric Type Code</b>	POINT			
<b>Data Collection Date</b>	November 2007 through June 2010			
<b>Source Map Scale Number</b>	1	Inch(es)	=	50 Feet
	--or--	Centimeter(s)	=	Meters

### PROJECT INFORMATION

<b>Project Name</b> Bell Bend Nuclear Power Plant			
<b>Project Description</b> Nuclear power plant construction			
<b>Project Consultant Last Name</b> Ehrhart	<b>First Name</b> Benjamin	<b>MI</b> J	<b>Suffix</b> P.E.
<b>Project Consultant Title</b> Director of Design		<b>Consulting Firm</b> LandStudies, Inc.	
<b>Mailing Address Line 1</b> 315 North Street		<b>Mailing Address Line 2</b>	
<b>Address Last Line – City</b> Lititz		<b>State</b> PA	<b>ZIP+4</b> 17543

<b>Phone</b> 717-627-4440	<b>Ext</b> 122	<b>FAX</b> 717-627-4660	<b>Email Address</b> ben1@landstudies.com
<b>Time Schedules</b> April 2013	<b>Project Milestone (Optional)</b> Start construction		
December 2019	Plant fuel load commences		

1. Have you informed the surrounding community and addressed any concerns prior to submitting the application to the Department? ☒ Yes ☐ No
2. Is your project funded by state or federal grants? ☐ Yes ☒ No  
**Note:** If "Yes", specify what aspect of the project is related to the grant and provide the grant source, contact person and grant expiration date.  
Aspect of Project Related to Grant \_\_\_\_\_  
Grant Source: \_\_\_\_\_  
Grant Contact Person: \_\_\_\_\_  
Grant Expiration Date: \_\_\_\_\_
3. Is this application for an authorization on Appendix A of the Land Use Policy? (For referenced list, see Appendix A of the Land Use Policy attached to GIF instructions) ☒ Yes ☐ No  
**Note:** If "No" to Question 3, the application is not subject to the Land Use Policy.  
If "Yes" to Question 3, the application is subject to this policy and the Applicant should answer the additional questions in the Land Use Information section.

### LAND USE INFORMATION

- Note:** Applicants are encouraged to submit copies of local land use approvals or other evidence of compliance with local comprehensive plans and zoning ordinances.
1. Is there an adopted county or multi-county comprehensive plan? ☒ Yes ☐ No
2. Is there an adopted municipal or multi-municipal comprehensive plan? ☒ Yes ☐ No
3. Is there an adopted county-wide zoning ordinance, municipal zoning ordinance or joint municipal zoning ordinance? ☒ Yes ☐ No  
**Note:** If the Applicant answers "No" to either Questions 1, 2 or 3, the provisions of the PA MPC are not applicable and the Applicant does not need to respond to questions 4 and 5 below.  
If the Applicant answers "Yes" to questions 1, 2 and 3, the Applicant should respond to questions 4 and 5 below.
4. Does the proposed project meet the provisions of the zoning ordinance or does the proposed project have zoning approval? ☒ Yes ☐ No
5. Have you attached Municipal and County Land Use Letters for the project? ☒ Yes ☐ No

## COORDINATION INFORMATION

**Note:** The PA Historical and Museum Commission must be notified of proposed projects in accordance with DEP Technical Guidance Document 012-0700-001 and the accompanying Cultural Resource Notice Form.

**If the activity will be a mining project** (i.e., mining of coal or industrial minerals, coal refuse disposal and/or the operation of a coal or industrial minerals preparation/processing facility), respond to questions 1.0 through 2.5 below.

**If the activity will not be a mining project**, skip questions 1.0 through 2.5 and begin with question 3.0.

<b>1.0</b>	<b>Is this a coal mining project?</b> If "Yes", respond to 1.1-1.6. If "No", skip to Question 2.0. (DEP Use/48y1)	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
<b>1.1</b>	<b>Will this coal mining project involve coal preparation/ processing activities in which the total amount of coal prepared/processed will be equal to or greater than 200 tons/day?</b> (DEP Use/4x70)	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
<b>1.2</b>	<b>Will this coal mining project involve coal preparation/ processing activities in which the total amount of coal prepared/processed will be greater than 50,000 tons/year?</b> (DEP Use/4x70)	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
<b>1.3</b>	<b>Will this coal mining project involve coal preparation/ processing activities in which thermal coal dryers or pneumatic coal cleaners will be used?</b> (DEP Use/4x70)	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
<b>1.4</b>	<b>For this coal mining project, will sewage treatment facilities be constructed and treated waste water discharged to surface waters?</b> (DEP Use/4x62)	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
<b>1.5</b>	<b>Will this coal mining project involve the construction of a permanent impoundment meeting one or more of the following criteria: (1) a contributory drainage area exceeding 100 acres; (2) a depth of water measured by the upstream toe of the dam at maximum storage elevation exceeding 15 feet; (3) an impounding capacity at maximum storage elevation exceeding 50 acre-feet?</b> (DEP Use/3140)	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
<b>1.6</b>	<b>Will this coal mining project involve underground coal mining to be conducted within 500 feet of an oil or gas well?</b> (DEP Use/4z41)	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
<b>2.0</b>	<b>Is this a non-coal (industrial minerals) mining project?</b> If "Yes", respond to 2.1-2.6. If "No", skip to Question 3.0. (DEP Use/48y1)	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
<b>2.1</b>	<b>Will this non-coal (industrial minerals) mining project involve the crushing and screening of non-coal minerals other than sand and gravel?</b> (DEP Use/4x70)	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
<b>2.2</b>	<b>Will this non-coal (industrial minerals) mining project involve the crushing and/or screening of sand and gravel with the exception of wet sand and gravel operations (screening only) and dry sand and gravel operations with a capacity of less than 150 tons/hour of unconsolidated materials?</b> (DEP Use/4x70)	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
<b>2.3</b>	<b>Will this non-coal (industrial minerals) mining project involve the construction, operation and/or modification of a portable non-metallic (i.e., non-coal) minerals processing plant under the authority of the General Permit for Portable Non-metallic Mineral Processing Plants (i.e., BAQ-PGPA/GP-3)?</b> (DEP Use/4x70)	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
<b>2.4</b>	<b>For this non-coal (industrial minerals) mining project, will sewage treatment facilities be constructed and treated waste water discharged to surface waters?</b> (DEP Use/4x62)	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
<b>2.5</b>	<b>Will this non-coal (industrial minerals) mining project involve the construction of a permanent impoundment meeting one or more of the following criteria: (1) a contributory drainage area exceeding 100 acres; (2) a depth of water measured by the upstream toe of the dam at maximum storage elevation exceeding 15 feet; (3) an impounding capacity at maximum storage elevation exceeding 50 acre-feet?</b> (DEP Use/3140)	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No

3.0	Will your project, activity, or authorization have anything to do with a well related to oil or gas production, have construction within 200 feet of, affect an oil or gas well, involve the waste from such a well, or string power lines above an oil or gas well? If "Yes", respond to 3.1-3.3. If "No", skip to Question 4.0. (DEP Use/4z41)	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	No
3.1	Does the oil- or gas-related project involve any of the following: placement of fill, excavation within or placement of a structure, located in, along, across or projecting into a watercourse, floodway or body of water (including wetlands)? (DEP Use/4z41)	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
3.2	Will the oil- or gas-related project involve discharge of industrial wastewater or stormwater to a dry swale, surface water, ground water or an existing sanitary sewer system or storm water system? If "Yes", discuss in <i>Project Description</i> . (DEP Use/4z41)	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
3.3	Will the oil- or gas-related project involve the construction and operation of industrial waste treatment facilities? (DEP Use/4z41)	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
4.0	Will the project involve a construction activity that results in earth disturbance? If "Yes", specify the total disturbed acreage. (DEP Use/4x66)	<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/>	No
4.0.1	Total Disturbed Acreage 687 Acres				
5.0	Does the project involve any of the following? If "Yes", respond to 5.1-5.3. If "No", skip to Question 6.0. (DEP Use/4x10)	<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/>	No
5.1	Water Obstruction and Encroachment Projects – Does the project involve any of the following: placement of fill, excavation within or placement of a structure, located in, along, across or projecting into a watercourse, floodway or body of water? (DEP Use /4x10).	<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/>	No
5.2	Wetland Impacts – Does the project involve any of the following: placement of fill, excavation within or placement of a structure, located in, along, across or projecting into a wetland? (DEP Use/4x10).	<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/>	No
5.3	Floodplain Projects by the commonwealth, a Political Subdivision of the commonwealth or a Public Utility – Does the project involve any of the following: placement of fill, excavation within or placement of a structure, located in, along, across or projecting into a floodplain? (DEP Use /4x10).	<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/>	No
6.0	Will the project involve discharge of stormwater or wastewater from an industrial activity to a dry swale, surface water, ground water or an existing sanitary sewer system or separate storm water system? (DEP Use/4x62)	<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/>	No
7.0	Will the project involve the construction and operation of industrial waste treatment facilities? (DEP Use/4x62)	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	No
8.0	Will the project involve construction of sewage treatment facilities, sanitary sewers, or sewage pumping stations? If "Yes", indicate estimated proposed flow (gal/day). Also, discuss the sanitary sewer pipe sizes and the number of pumping stations/treatment facilities/name of downstream sewage facilities in the <i>Project Description</i> , where applicable. (DEP Use/4x62)	<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/>	No
8.0.1	Estimated Proposed Flow (gal/day) Peak during construction 19,500 GPD				
9.0	Will the project involve the subdivision of land, or the generation of 800 gpd or more of sewage on an existing parcel of land or the generation of an additional 400 gpd of sewage on an already-developed parcel, or the generation of 800 gpd or more of industrial wastewater that would be discharged to an existing sanitary sewer system? (DEP Use/4x61).	<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/>	No
9.0.1	Was Act 537 sewage facilities planning submitted and approved by DEP? If "Yes" attach the approval letter. Approval required prior to 105/NPDES approval. Letter was requested	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	No
10.0	Is this project for the beneficial use of biosolids for land application within Pennsylvania? If "Yes" indicate how much (i.e. gallons or dry tons per year). (DEP Use/4X62)	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	No
10.0.1	Gallons Per Year (residential septage)				
10.0.2	Dry Tons Per Year (biosolids)				

11.0	<b>Does the project involve construction, modification or removal of a dam?</b> If "Yes", identify the dam. (DEP Use/3140)		<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	No
11.0.1	<b>Dam Name</b>					
12.0	<b>Will the project interfere with the flow from, or otherwise impact, a dam?</b> If "Yes", identify the dam. (DEP Use/3140)		<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	No
12.0.1	<b>Dam Name</b>					
13.0	<b>Will the project involve operations (excluding during the construction period) that produce air emissions (i.e., NOx, VOC, etc.)?</b> If "Yes", identify each type of emission followed by the amount of that emission. (DEP Use/4x70)		<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/>	No
13.0.1	<b>Enter all types &amp; amounts of emissions; separate each set with semicolons.</b>		<b>The following is preliminary information:</b> <b>NOx,24:SO2,2:CO,31:PM,27:PM10,27:PM2.5,16 (all units are TONS/YEAR)</b>			
14.0	<b>Does the project include the construction or modification of a drinking water supply to serve 15 or more connections or 25 or more people, at least 60 days out of the year?</b> If "Yes", check all proposed sub-facilities. (DEP Use/4x81)		<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/>	No
14.0.1	<b>Number of Persons Served</b>	363 (Number of employees during operations)				
14.0.2	<b>Number of Employee/Guests</b>	See 14.0.1				
14.0.3	<b>Number of Connections</b>	1				
14.0.4	<b>Sub-Fac: Distribution System</b>	<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/>	No	
14.0.5	<b>Sub-Fac: Water Treatment Plant</b>	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	No	
14.0.6	<b>Sub-Fac: Source</b>	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	No	
14.0.7	<b>Sub-Fac: Pump Station</b>	<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/>	No	
14.0.8	<b>Sub Fac: Transmission Main</b>	<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/>	No	
14.0.9	<b>Sub-Fac: Storage Facility</b>	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	No	
15.0	<b>Will your project include infiltration of storm water or waste water to ground water within one-half mile of a public water supply well, spring or infiltration gallery?</b> (DEP Use/4x81) and 4x52).		<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/>	No
16.0	<b>Is your project to be served by an existing public water supply?</b> If "Yes", indicate name of supplier and attach letter from supplier stating that it will serve the project. (DEP Use/4x81)		<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/>	No
16.0.1	<b>Supplier's Name</b>	PA American Water Company				
16.0.2	<b>Letter of Approval from Supplier is Attached</b>	<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/>	No	
17.0	<b>Will this project involve a new or increased drinking water withdrawal from a stream or other water body?</b> If "Yes", should reference both Water Supply and Watershed Management. (DEP Use/4x81 and 4x10)		<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	No
17.0.1	<b>Stream Name</b>					
18.0	<b>Will the construction or operation of this project involve treatment, storage, reuse, or disposal of waste?</b> If "Yes", indicate what type (i.e., hazardous, municipal (including infectious & chemotherapeutic), residual) and the amount to be treated, stored, re-used or disposed. (DEP/Use4x32)		<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/>	No
18.0.1	<b>Type &amp; Amount</b>	Hazardous: Generally very low Residual: Possible antifreeze from vehicle, waste oil, waste water Construction and Demolition: Tree stumps and grading Metal and Wood: Construction leftovers Sanitary Wastewater: See 8.0 Radioactive Wastes Universal Wastes: estimated 10,000 lbs/year				
19.0	<b>Will your project involve the removal of coal, minerals, etc. as part of any earth disturbance activities?</b> (DEP Use/48y1)		<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	No
20.0	<b>Does your project involve installation of a field constructed underground storage tank?</b> If "Yes", list each Substance & its Capacity. <b>Note:</b> Applicant may need a Storage Tank Site Specific Installation Permit. (DEP Use/2570)		<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	No
20.0.1	<b>Enter all substances &amp; capacity of each; separate each set with semicolons.</b>		N/A			

- 21.0 Does your project involve installation of an aboveground storage tank greater than 21,000 gallons capacity at an existing facility? If "Yes", list each Substance & its Capacity. **Note:** Applicant may need a Storage Tank Site Specific Installation Permit. (DEP Use/2570) ☐ Yes ☒ No  
 21.0.1 Enter all substances & N/A capacity of each; separate each set with semicolons.
- 22.0 Does your project involve installation of a tank greater than 1,100 gallons which will contain a highly hazardous substance as defined in DEP's Regulated Substances List, 2570-BK-DEP2724? If "Yes", list each Substance & its Capacity. **Note:** Applicant may need a Storage Tank Site Specific Installation Permit. (DEP Use/2570) ☒ Yes ☐ No  
 22.0.1 Enter all substances & capacity of each; separate each set with semicolons. **SEE ATTACHED TABLE FOR TANK INFORMATION BBNPP Chemical Storage List of Chemical Materials starts in the middle of Page 1 of Table 2.2-2**
- 23.0 Does your project involve installation of a storage tank at a new facility with a total AST capacity greater than 21,000 gallons? If "Yes", list each Substance & its Capacity. **Note:** Applicant may need a Storage Tank Site Specific Installation Permit. (DEP Use/2570) ☒ Yes ☐ No  
 23.0.1 Enter all substances & capacity of each; separate each set with semicolons. **SEE ATTACHED TABLE FOR TANK INFORMATION BBNPP Chemical Storage List of Chemical Materials starts in the middle of Page 1 of Table 2.2-2**
- 24.0 Will the intended activity involve the use of a radiation source? (DEP Use/4x90). ☒ Yes ☐ No

### CERTIFICATION

I certify that I have the authority to submit this application on behalf of the applicant named herein and that the information provided in this application is true and correct to the best of my knowledge and information.

Type or Print Name / Terry L. Harpster

Signature

VP-Bell Bend Project-Development

Title

11/14/2011  
Date



Table 2.2-2—{SSES and BBNPP Chemical Storage}

(Page 1 of 2)

Material	Toxicity Limit	Largest Container Amount	Location
<b>Susquehanna Steam Electric Station (SSES) Units 1 and 2</b>			
Alcohol, Isopropyl	2,000 ppm	676 lbs (307 kg)	Warehouse
Argon, Liquid	69,200 ppm	4,315 ft <sup>3</sup> (122m <sup>3</sup> )	Cylinder Storage Area
Carbon Dioxide	40,000 ppm	25,000 lbs (11,340 kg)	Between Turbine Bldg and Circ Water Pump House
Diesel Fuel	Not toxic threat	1,940,072 lbs (880,002 kg)	Next to DG Buildings
Freon R-114	7,000 mg/m <sup>3</sup>	24,343 lbs (11,042 kg)	Resin Bldg
Freon R-12	15,000 ppm	60,120 lbs (27,270 kg)	Resin Bldg
Gasoline, Benzene	500 ppm STEL 300 ppm TWA	61,642 lbs (27,927 kg)	Fuel Farm
Halon 1301	40,000 ppm	588 lbs (268 kg)	Security Control Center
Hydrogen, Liquid	4,000 ppm	10,017 lbs (4,544 kg)	Hydrogen-injection Tank Farm
Nitrogen, Liquid	69,200 ppm	10,318 lbs (4,680 kg)	N of S&A Bldg
Oxygen, Liquid	683,700 ppm	85,500 lbs (38,782 kg)	Hydrogen-injection Tank Farm
PCL-57 (1-hydroxyethylidene-1,1-bisphosphonic acid or HDEP)	500 mg/m <sup>3</sup>	24,490 lbs (11,108 kg)	Circ Water Pump House
Sodium bisulfite solution	100 ppm	17,100 lbs (7,756 kg)	Shed behind Acid/Chlorine Bldg
Sodium hypochlorite, 12% (CWPH)	10 ppm	72,571 lbs (32,918 kg)	Circ Water Pump House
Sulfur Hexafluoride, Compressed	1,000 ppm	115 lbs (52 kg)	Hydrogen Tank Farm
<b>Bell Bend Nuclear Power Plant (BBNPP)</b>			
Ammonium Hydroxide (28% solution)	300 ppm	8,500 gal (32,000 l)	Potential Onsite Chemical at BBNPP
Diesel Fuel	Not toxic threat	125,000 gal (4.7E5 l)	Potential Onsite Chemical at BBNPP
Dimethylamine (2% solution)	500 ppm	350 gal (1,300 l)	Potential Onsite Chemical at BBNPP
Gasoline	500 ppm STEL 300 ppm TWA	4,000 gal (15,000 l)	Potential Onsite Chemical at BBNPP
Hydrazine (35% solution)	50 ppm	350 gal (1,300 l)	Potential Onsite Chemical at BBNPP
Hydrogen Tank	4,000 ppm	51.1 ft <sup>3</sup> (1.44 m <sup>3</sup> ) at 2,450 psig, -20°F to 200°F	Potential Onsite Chemical at BBNPP
Liquid Nitrogen	69,200 ppm	11,300 gal (42,800 l) sat liquid at -250°F	Potential Onsite Chemical at BBNPP
Sodium Hypochlorite	10 ppm	12,000 gal (45,425 l)	Potential Onsite Chemical at BBNPP
Argon	69,200 ppm	270 scf (7.65 Nm <sup>3</sup> ) <sup>(1)</sup>	Potential Onsite Chemical at BBNPP

**Table 2.2-2—{SSES and BBNPP Chemical Storage}**

(Page 2 of 2)

Material	Toxicity Limit	Largest Container Amount	Location
Argon-Methane (considered Methane)	5,000 ppm	282 scf (7.99 Nm <sup>3</sup> ) <sup>(1)</sup>	Potential Onsite Chemical at BBNPP
Hydrogen Cylinder	4,000 ppm	278 scf (7.87 Nm <sup>3</sup> ) <sup>(1)</sup>	Potential Onsite Chemical at BBNPP
Nitrogen Gas	69,200 ppm	235 scf (6.65 Nm <sup>3</sup> ) <sup>(1)</sup>	Potential Onsite Chemical at BBNPP
Oxygen	683,700 ppm	282 scf (7.99 Nm <sup>3</sup> ) <sup>(1)</sup>	Potential Onsite Chemical at BBNPP
Deposit Control Agent BL5323	-	1,000 gal (3,785 l)	Potential Onsite Chemical at BBNPP
Sodium Bisulfite 38%	100 as SO <sub>2</sub>	500 gal (1,893 l))	Potential Onsite Chemical at BBNPP
Note:			
(1) Standard conditions are 68°F and 14.7 psia			



Joe Woodward P 717-790-3028  
852 Wesley Drive F 717-795-1915  
Mechanicsburg, PA 17055  
Joseph.Woodward@amwater.com

November 1, 2010

Terry Harpster  
PPL Bell Bend, LLC  
38 Bomboy Lane  
Suite 2  
Berwick, PA 18603

RECEIVED NOV 08 2010

RE: Water Availability  
Bell Bend Site,  
Salem Township, Luzerne County, PA

Dear Mr. Harpster:

Pennsylvania-American Water Company (PAWC) has received your request for public water availability at the above referenced site. PAWC does service this particular franchise territory and we intend to provide water service in strict accordance with the Tariff Rules and Regulations as filed with the Pennsylvania Public Utility Commission.

Please be advised that the developer will be required to pay for all improvements required to extend water to the site. This work may include but is not limited to water main extensions, pump stations, water storage tanks and other improvements as necessary

To assist us with the design of the main extension, it is mandatory for you to submit certain data for the sizing of the main, service and meter. Please submit the following information as soon as possible to avoid any delay in providing service.

- The latest site plan showing the proposed building layout and the meter pit location in correct scale.
- Plumbing Plans
- Sprinkler Plans – including a pump performance curve in applicable and hydraulic calculations
- Backflow Prevention Device Specifications
- Meter Pit

We are enclosing a PAWC Water Service Application and a PAWC Water Connection Form that will need to be completed for this service. We will require the aforementioned information be returned to this office for review as promptly as possible. We are also providing you with a copy of our current schedule of rates and standard master metering



detail. There will be no tap fees or connection fees associated with the individual water service connection. There will be a one time, thirty dollar (\$30) per service activation fee to set up the individual account. This fee will be included in the first month's water bill.

If you have any questions, please contact me at (717) 691-2108.

Sincerely,

Joseph Woodward  
Manger – Central PA Field Operations

Cc: David Kaufman, PAWC Vice President – Engineering  
Michael Salvo, PAWC Senior Director – Field Operations  
Joel Mitchell, PAWC Project Manager – Engineering  
Bernie Grundusky, PAWC Manager – Business Development

Office Use Only

Premise # \_\_\_\_\_

NSI Account # \_\_\_\_\_


**PENNSYLVANIA  
AMERICAN WATER**

## WATER SERVICE APPLICATION

Please complete Property, Applicant and Signatures boxes below to apply for water service. Thank you for the opportunity to be YOUR water utility.

	HOUSE#	STREET PREFIX	STREET NAME & SUFFIX		
	MUNICIPALITY	APT/LOT#	CITY	STATE	ZIP CODE
	SEWAGE AUTHORITY	TYPE OF SERVICE: ( ) Residential ( ) Commercial ( ) Industrial ( ) Other _____			
	TYPE OF HEAT: ( ) Hot Water ( ) Forced Air ( ) Other _____				
	NAME (First, Middle, Last)		PHONE#	CELL#	
	NAME (First, Middle, Last)		PHONE#	CELL#	
MAILING ADDRESS (if different than service address)					

(I) (We), the Applicant(s) for water service from Pennsylvania-American Water have read and understood the above application. (I) (We) will be jointly and severally bound by this application to:

1. Pay a one-time fee of \$30.00 to cover the cost of setting up (MY) (OUR) account which will be added to your first bill. DO NOT SEND.

### READ ABOVE STATEMENTS BEFORE SIGNING

	APPLICANT FOR SERVICE	APPLICANT FOR SERVICE
	x	x
	DATE	DATE

### FOR OFFICE USE ONLY

PWSID: \_\_\_\_\_

USAGE DATA	WORK ZONE	AW AREA	DISTRICT CODE	CREW	WORK ORDER
SERVICE TAP DATE	TAP SIZE	SERVICE SIZE	SERVICE TYPE		
METER ROUTE	METER STOP	METER NUMBER	METER SIZE	# DIALS	
METER SET DATE	METER SET READING	METER LOCATION			
METER READ INSTRUCTIONS					
ADDITIONAL NOTES					
Rate Code	Sewage Code	Distribution Zone	Engineering Area		

Copy To: ( ) Dispatch ( ) Call Center ( ) ( ) ( ) WO File ( ) Other

**PENNSYLVANIA-AMERICAN WATER COMPANY**

**WATER SERVICE CONNECTION FORMS**

Page one of two

**GENTLEMEN:**

To review your request for a water service connection in Pennsylvania, the following information must be submitted. Please complete both copies of this form. All questions must be answered. Return the completed form, along with one copy of the site plan showing the water service diagram, to Pennsylvania-American Water Company, 852 Wesley Drive, Mechanicsburg, PA 17055-4475.

1.	Owner's Name: _____	Phone No. _____
	Service Address: _____	
	_____	
	Billing Address: _____	
	_____	
	_____	

2.	Designer's Name: _____	Phone No. _____
	Address: _____	
	_____	
	_____	

3.	Plumber's Name: _____	Phone No. _____
	Address: _____	
	_____	
	_____	

4.	Information Furnished On This Form By:	
	Name: _____	Phone No. _____
	Address: _____	
	_____	
	_____	

5.	Comments: _____
	_____
	_____
	_____

Continued on Next Page

PENNSYLVANIA-AMERICAN WATER COMPANY  
WATER SERVICE CONNECTION FORMS  
Page two of two

6. Type of Building: \_\_\_\_\_

7. Service Required and Size:	Yes	No	Size	Comments
Domestic:				
Irrigation:				
Fire Protection:				
Combined Service:				

8. Domestic Service Requirements: (At Point of Connection)  
Maximum Service Demand in GPM: \_\_\_\_\_

Detail of Service:	Quantity	Fixtures or Equipment (describe)	GPM

9. Irrigation Service Requirements: (Residual at Point of Connection)

Maximum Flow Requested: \_\_\_\_\_ GPM at \_\_\_\_\_ PSI

Minimum Flow Requested: \_\_\_\_\_ GPM at \_\_\_\_\_ PSI

10. Fire Protection Service Requirements: (Residual at Point of Connection)

Fire Flow Requested: \_\_\_\_\_ GPM at \_\_\_\_\_ PSI

Number of Fire Hydrants: \_\_\_\_\_ and Capacity Each in GPM: \_\_\_\_\_

Number of Hose Cabinets: \_\_\_\_\_ and Capacity Each in GPM: \_\_\_\_\_

Number of Sprinklers: \_\_\_\_\_ and Capacity Each in GPM: \_\_\_\_\_

Maximum Height of Sprinklers Above Ground Elevation: \_\_\_\_\_

Anti-Freeze Solution Being Planned into Fire system: Yes: \_\_\_\_\_ No: \_\_\_\_\_

11. Schedule for Service: \_\_\_\_\_

Installation of Meter: Inside: \_\_\_\_\_ Outside (Pit): \_\_\_\_\_

Is There Access To (a) 115 VAC Power Yes: \_\_\_\_\_ No: \_\_\_\_\_

(b) Telephone Line Yes: \_\_\_\_\_ No: \_\_\_\_\_

RULES AND REGULATIONS GOVERNING THE  
DISTRIBUTION AND SALE OF WATER

26. Classification of Revenue

26.1 Residential

Sales to single premises residences, or to multiple premises residences, including apartment houses or apartment buildings, where each unit or premises is served through a separate meter.

26.2 Commercial

- A. Sales to multiple premises residence served through a single meter or battery of meters.
- B. Sales to all private institutions and organizations.
- C. Sales to manufacturing or processing establishments where the water is not used principally in the manufacturing or processing functions.
- D. Include sales to residences such as apartment and boarding houses, hotels, offices, office buildings, retail and wholesale commercial establishments, laundries, churches, private schools and colleges, private hospitals, private cemeteries, etc., where water is not used primarily for industrial purposes.

26.3 Industrial

- A. Sales to manufacturing or processing establishments where the water is used principally in the manufacturing or processing functions.
- B. Sales of water to manufacturing and industrial consumers such as steel works, automobile manufacturers, breweries, public utilities (other than sales to other water utilities), stock yards, packing houses, grain elevators, bottling works.





RULES AND REGULATIONS GOVERNING THE  
DISTRIBUTION AND SALE OF WATER

5. Meters and Meter Installations

5.1 Meter Installations (C)

The Company will furnish and install for each Customer, without charge, a suitable meter and will keep the same in repair. The customer, however, shall properly protect the meter from damage by frost or other causes and shall be held responsible for repairs or replacement of the meter made necessary by the negligence or intentional act of the customer.

5.2 Meter Space and Location

The Customer shall provide a safe, readily-accessible, and protected location for the installation of a meter at such point as will control the entire supply to the premise. The location must be acceptable to the Company as most convenient for its service so that the meter may be easily examined, read, or removed. In addition, at the Company's option, the Customer shall also provide a safe and readily accessible location outside of his residence for the installation of a remote meter reading device. If the Customer does not maintain ready access to the meter and the remote meter reading device, the Company may install an outside meter setting at the Customer's expense.

5.3 Automatic Meter Reading

The Company, without charge to the Customer, may install meters capable of being read automatically from a central location using telephone lines. To install this automatic meter reading equipment, the Company will require access to a telephone line of the premise receiving water service. If installation is denied, the Company may impose a meter reading fee equal to the cost of manually reading the meter or terminate service. If the automatic meter reading equipment can be installed, the Customer must provide the Company with the telephone number of the line to which the equipment will be connected and immediately advise the Company of any changes in the number.

5.4 Outside Meter Installations

At the Company's discretion, a meter shall be placed by the Customer in a meter tile or vault which meets the Company's specifications. Installation of the meter tile or vault shall be at the Customer's expense. The meter tile or vault shall be placed immediately inside the Customer's property line or at such other location as may be ordered by the Company.

RULES AND REGULATIONS GOVERNING THE  
DISTRIBUTION AND SALE OF WATER  
(Continued)

5.5        Meter Service

          All service provided by the Company except public fire protection shall be metered.

5.6        Meter Installations for Flat-Rate Accounts and Unmetered Private Fire Services

          Within 45 calendar days of notification by the Company, a flat-rate or unmetered private fire service Customer will provide a suitable meter setting at his own expense. The Company will provide the Customer with standard specifications for the meter setting. Any Customer who does not provide a suitable meter setting within the 45-day period will be subject to termination of service; or, at the option of the Company in the case of an unmetered fire service Customer, the installation will be made by the Company and a surcharge applied to the Customer's bill. The surcharge will be an annual fee equal to 17% of the total actual cost of installation.

5.7        Tampering with Meters or other Utility Equipment

          When a meter or other utility equipment on a Customer's premises has been tampered with and the customer enjoys the use of or receives benefit from the water service intended to be metered, it may be reasonably inferred that the Customer tampered with the meter or other utility equipment. The penalties for tampering include but, are not limited to, termination of service, recovery by the Company of all costs related to the tampering, including payment for such water service as the Company may estimate from available information has been used but not registered by the Company's meter, and criminal sanctions pursuant to the laws of the Commonwealth.

**PENNSYLVANIA-AMERICAN WATER COMPANY**

**Canceling 14th & 15th Rev. Page 9**

**SCHEDULE OF RATES APPLICABLE TO RATE ZONE 1**

**FOR ALL RATE CLASSES EXCEPT INDUSTRIAL**

**METER RATES**

All water supplied by the Company for any and all purposes, except Industrial, Qualified Private Fire Hydrants and Public Fire Hydrants, shall be metered as hereinafter set forth. All meters shall be read monthly or bimonthly and the water used shall be paid for in accordance with the following schedule of rates.

**Service Charges**

**For All Rate Classes Except Industrial**

All metered customers shall be subject to a monthly service charge, based on the size of meter required to render adequate service. (I)

<u>Size of Meter</u>	<u>Service Charge Per Month Except Other Water Utilities</u>	<u>Service Charge Per Month Other Water Utilities Group A &amp; B</u>
5/8 inch	\$ 13.00	\$ 17.30
3/4 inch	19.60	26.40
1 inch	32.60	43.10
1-1/2 inch	53.40	87.30
2 inch	85.40	138.60
3 inch	159.40	260.80
4 inch	200.10	434.00
6 inch	299.50	866.80
8 inch	579.90	1,386.90
10 inch	839.90	1,994.30
12 inch	1,313.53	3,121.90

**Consumption Charges For all Rate Classes Except Industrial**

The following rates shall apply per 100 gallons.

	<u>FIRST 16,000/MONTH</u>	<u>NEXT 584,000/MONTH</u>	<u>ALL IN EXCESS OF 600,000/MONTH</u>	
Residential	.7890	.7890	.7890	(I)
Commercial	.7656	.5869	.5869	(I)
Municipal	.7890	.6532	.6532	(I)
Other Water Utilities Group A	.5374	.5374	.5374	(I)
Other Water Utilities Group B	1.5142	1.5142	1.5142	

**Issued: November 6, 2009**

**Effective: November 7, 2009**

SCHEDULE OF RATES APPLICABLE TO RATE ZONE 1  
FOR INDUSTRIAL RATE CLASS

METER RATES

All water supplied by the Company for Industrial purposes shall be metered as hereinafter set forth. All meters shall be read monthly or bimonthly and the water used shall be paid for in accordance with the following schedule of rates.

Service Charges  
For Industrial Rate Class

All metered customers shall be subject to a monthly service charge, based on the size of meter required to render adequate service.

<u>Size of Meter</u>		<u>Per Month</u>
5/8	inch	\$ 18.70
3/4	inch	28.10
1	inch	46.70
1-1/2	inch	93.40
2	inch	149.40
3	inch	280.70
4	inch	467.50
6	inch	933.90
8	inch	1,494.30
10	inch	2,148.50
12	inch	3,362.10

Consumption Charges For Industrial Rate Class(I)

The following rates shall apply per 100 gallons per month.

<u>Industrial</u>		<u>Industrial Curtailment*</u>	
First 16,000	.7890	First 16,000	.7890
Next 584,000	.5897	Next 584,000	.5897
All in Excess		Next 14,400,000	.4676
of 600,000	.4676	All In Excess	
		Of 15,000,000	.3158

\* Subject to the availability criteria and terms and conditions of the industrial curtailment rate (pages 9A1 and 9A2, hereof), the foregoing rates shall apply per 100 gallons per month for service provided under the Industrial Curtailment Rate.

**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](mailto:tlharpster@pplweb.com)



October 21, 2010

Mr. Randy Elkin  
Pennsylvania American Water Company  
306 West Front Street  
Berwick, PA 18603

**PPL BELL BEND, LLC  
NUCLEAR POWER PLANT PROJECT  
SALEM TOWNSHIP  
WATER SERVICE NOTIFICATION  
BNP-2010-267**

---

PPL Bell Bend, LLC is proposing to construct a Nuclear Power Plant on lands adjacent to the Susquehanna Nuclear Plant in Salem Township. The project entails approximately 800 acres of land development and will have approximately 350 permanent employees.

As part of the permitting process, PPL must satisfy administrative requirements of the U.S. Army Corps of Engineers/Pennsylvania Department of Environmental Protection and Salem Township Ordinances. This requires PPL to submit letters from all applicable utilities indicating that adequate facilities exist to provide service to the proposed site. Based on our projected water use calculations, the normal plant flow requirement will be 95 gallons per minute. We are requesting that you forward correspondence that states that the existing system has the capacity to accommodate this project. We are assuming our tie in point will be on SR 0011.

Thank you in advance for your cooperation. If you should have any questions or require additional information, please feel free to contact Vince Kelly [610.774.7611 or [Jkelly@pplweb.com](mailto:Jkelly@pplweb.com)] of our office.

Respectfully,

A handwritten signature in black ink, appearing to read "T. Harpster", is written over the word "Respectfully,". The signature is fluid and cursive, with a long horizontal stroke extending to the left.

Terry L Harpster  
TLH/kw

cc: Karen Karchner  
Zoning/Building Code Official  
38 Bomboy Lane  
PO Box 405  
Berwick, PA 18603

**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:

Franky Ulin  
PA American Water Co.  
306 W. Front St.  
Berwick PA 18603

2. Article Number  
(Transfer from service label)

7009 3410 0000 8705 2736

PS Form 3811, February 2004

**COMPLETE THIS SECTION ON DELIVERY**

A. Signature

X *Chris D.* ☐ Agent ☐ Addressee

B. Received by (Printed Name)

C. Date of Delivery

*Chris D.* *007-22-2008*

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

PO Box 249  
Berwick PA 18603

3. Service Type

- ☐ Certified Mail ☐ Express Mail
- ☐ Registered ☐ Return Receipt for Merchandise
- ☐ Insured Mail ☐ C.O.D.

4. Restricted Delivery? (Extra Fee) ☐ Yes

Domestic Return Receipt

102595-02-M-1540



**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](mailto:tlharpster@pplweb.com)



October 21, 2010

Ms. Gloria Boborsky  
Manager  
Berwick Joint Sewer Authority  
1108 Freas Avenue  
Berwick, PA 18603

**PPL BELL BEND, LLC  
NUCLEAR POWER PLANT PROJECT  
SALEM TOWNSHIP  
SANITARY SEWER SERVICE NOTIFICATION  
BNP-2010-266**

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As we have discussed, PPL Bell Bend, LLC is proposing to construct a Nuclear Power Plant on lands adjacent to the Susquehanna Nuclear Plant in Salem Township. The project entails approximately 800 acres of land development and will have approximately 350 permanent employees.

As part of the permitting process, PPL must satisfy administrative requirements of the U.S. Army Corps of Engineers/Pennsylvania Department of Environmental Protection and Salem Township Ordinances. This requires PPL to submit letters from all applicable utilities indicating that adequate facilities exist to provide service to the proposed site. To determine the sanitary flow from the proposed facility we used the Chapter 94 records from the waste water treatment facility for the Susquehanna Plant and proportioned the new flows accordingly. Please see the enclosed calculations. We are requesting that you forward correspondence that states that the existing sanitary conveyance system and sanitary treatment plant have the capacity to accommodate this project. We are assuming our tie in point will be the last manhole on Confers Lane at the south boundary of the Bell Bend Site.

Thank you in advance for your cooperation. Attached is the site plan for your information. If you should have any questions or require additional information, please feel free to contact Vince Kelly [610.774.7611 or [jkelly@pplweb.com](mailto:jkelly@pplweb.com)] of our office.

Respectfully,

A handwritten signature in black ink, appearing to read "T. Harpster", is written over the typed name "Terry L Harpster". The signature is fluid and cursive, with a long horizontal stroke extending to the right.

Terry L Harpster

TLH/kw

Enclosure: PPL Bell Bend Waste Water Flow Calculation

cc: (w/ Enclosures)

Karen Karchner  
Zoning/Building Code Official  
38 Bomboy Lane  
PO Box 405  
Berwick, PA 18603

October 21, 2010

BNP-2010-266

Enclosure

---

Enclosure

PPL Bell Bend Waste Water Flow Calculation

# Susquehanna Units 1 And 2 Wastewater Flows

Date	Flow, MGD												Annual Averages
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec	
1	0.00641	0.01277	0.00534	0.02111	0.02212	0.01064	0.00792	0.01385	0.01247	0.01287	0.02054	0.00739	
2	0.00899	0.01154	0.00458	0.02456	0.00826	0.00854	0.00763	0.01221	0.01035	0.01430	0.01734	0.01030	
3	0.00620	0.00499	0.01758	0.00973	0.01159	0.00828	0.00719	0.01319	0.01111	0.01320	0.01057	0.01030	
4	0.00773	0.00178	0.00311	0.02146	0.01884	0.00729	0.01382	0.01258	0.00926	0.01274	0.01326	0.01030	
5	0.00863	0.01366	0.01456	0.02239	0.02933	0.00994	0.01401	0.01329	0.00947	0.00746	0.00623	0.01280	
6	0.00808	0.01554	0.01583	0.01380	0.02426	0.01693	0.01418	0.01187	0.01686	0.00304	0.00909	0.01250	
7	0.01080	0.01758	0.02666	0.01281	0.01332	0.01590	0.01618	0.01237	0.01615	0.00998	0.00905	0.01082	
8	0.00676	0.01869	0.01411	0.02684	0.00940	0.01376	0.01679	0.01104	0.01940	0.01295	0.01648	0.00805	
9	0.02012	0.01066	0.01122	0.02058	0.02757	0.01379	0.01701	0.01333	0.00840	0.01182	0.01688	0.00659	
10	0.01871	0.01316	0.01856	0.02386	0.01626	0.01075	0.01687	0.00699	0.01096	0.00747	0.01911	0.00731	
11	0.01769	0.00833	0.01418	0.02375	0.01939	0.01722	0.01077	0.01249	0.01829	0.01160	0.00768	0.00876	
12	0.01751	0.01222	0.01406	0.02849	0.03625	0.02708	0.00464	0.01259	0.01160	0.01507	0.00828	0.00574	
13	0.01724	0.00943	0.01374	0.02853	0.01400	0.01070	0.00488	0.00453	0.00634	0.01396	0.01030	0.00726	
14	0.01322	0.01224	0.00971	0.02383	0.01790	0.01002	0.01398	0.00986	0.01752	0.01229	0.00739	0.00894	
15	0.00615	0.01329	0.01321	0.02657	0.01750	0.00947	0.01320	0.00695	0.00660	0.01108	0.00739	0.00716	
16	0.00697	0.01264	0.00472	0.02329	0.01684	0.01295	0.00878	0.01093	0.01372	0.01338	0.01030	0.01071	
17	0.00597	0.00849	0.01870	0.02435	0.01171	0.01083	0.00355	0.00565	0.01511	0.01079	0.01800	0.00819	
18	0.00819	0.00747	0.01843	0.01822	0.01341	0.01113	0.00867	0.00681	0.01279	0.01174	0.01390	0.00713	
19	0.00940	0.01814	0.00969	0.02108	0.01125	0.01080	0.01056	0.00857	0.00739	0.01112	0.01390	0.00802	
20	0.02936	0.02172	0.01103	0.02528	0.00928	0.01219	0.01276	0.01716	0.01845	0.01989	0.01030	0.01484	
21	0.01265	0.01817	0.01037	0.03016	0.00841	0.01440	0.00514	0.01906	0.00596	0.01502	0.01030	0.01304	
22	0.02879	0.01087	0.02104	0.02796	0.00589	0.01343	0.01028	0.00655	0.01358	0.01419	0.01030	0.00207	
23	0.02522	0.01244	0.02135	0.02744	0.00451	0.01275	0.01035	0.01737	0.00222	0.01559	0.01030	0.00610	
24	0.00585	0.02697	0.01204	0.01925	0.00671	0.01206	0.00724	0.01542	0.01757	0.01599	0.00739	0.00481	
25	0.00680	0.01527	0.01262	0.01621	0.00528	0.01149	0.01717	0.01519	0.00890	0.01668	0.00318	0.00614	
26	0.00590	0.01363	0.01114	0.02098	0.01290	0.01210	0.01852	0.01491	0.01485	0.01611	0.00503	0.00722	
27	0.01426	0.01598	0.01734	0.02085	0.01475	0.00941	0.00483	0.00665	0.02060	0.01017	0.00503	0.00650	
28	0.01586	0.00728	0.01485	0.02493	0.01421	0.01080	0.01202	0.03050	0.01888	0.00991	0.01030	0.00106	
29	0.01723		0.01760	0.02486	0.01262	0.01032	0.01150	0.00075	0.00887	0.01051	0.00503	0.00693	
30	0.01813		0.00869	0.02140	0.00885	0.00982	0.01181	0.00929	0.01047	0.02012	0.00739	0.00178	
31	0.01121		0.02018		0.01041		0.01750	0.01027		0.01878		0.00268	
Annual Averages													
Total/Month, MGD	0.39603	0.36495	0.42624	0.67435	0.45402	0.36459	0.34955	0.36222	0.37214	0.39962	0.32224	0.24124	0.39393
Annual Averages													
Average/Day Gal:	12,775	13,034	13,750	22,478	14,646	12,153	11,276	11,885	12,405	12,891	10,741	7,782	393,933
No. Employees:	1,460	1,460	1,460	1,460	1,460	1,460	1,460	1,460	1,460	1,460	1,460	1,460	1,460
Outage Workers:	0	0	0	1,400	0	0	0	0	0	0	0	0	117
Total On-Site:	1,460	1,460	1,460	2,860	1,460	1,460	1,460	1,460	1,460	1,460	1,460	1,460	1,577
Avg. Wastewater													
Per Capita:	8.75	8.93	9.42	7.86	10.03	8.32	7.72	8.00	8.50	8.83	7.36	5.33	8.25

## Bell Bend Projection

	No. Workers	Gallons/Capita	Daily Flow Projected
No. Workers During Operation:	363	10.03	3,641.39 gallons 0.003641 MGD
No. Workers During Peak:	3,950	10.03	39,623.93 gallons 0.039624 MGD

**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:

Gloria Boborsky, Manager  
Berwick Joint Sewer Authority  
1108 Freas Avenue  
Berwick PA 18603

2. Article Number

(Transfer from service label)

7009 3410 0000 8705 2743

**COMPLETE THIS SECTION ON DELIVERY**

A. Signature

*[Signature]*

☐ Agent

☐ Addressee

B. Received by (Printed Name)

C. Date of Delivery

D. Is delivery address different from item 1? ☐ Yes

If YES, enter delivery address below: ☐ No

OCT 22 2010

3. Service Type

☐ Certified Mail

☐ Express Mail

☐ Registered

☐ Return Receipt for Merchandise

☐ Insured Mail

☐ C.O.D.

4. Restricted Delivery? (Extra Fee)

☐ Yes

**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](mailto:tlharpster@pplweb.com)



October 4, 2010

Board of Supervisors  
Township of Salem  
P.O. Box 405, 38 Bomboy Lane  
Berwick, PA 18603

**BELL BEND NUCLEAR POWER PLANT  
SALEM TOWNSHIP LAND USE REVIEW  
NPDES PERMIT FOR STORMWATER  
DISCHARGES  
BNP-2010-248      Docket No. 52-039**

Acts 67, 68 and 127, which amended the Municipalities Planning Code, direct state agencies to consider comprehensive plans and zoning ordinances when reviewing applications for permitting of facilities and infrastructure, and specify that state agencies may rely upon comprehensive plans and zoning ordinances under certain conditions as described in Sections 619.2 and 1105 of the Municipalities Planning Code. The Pennsylvania Department of Environmental Protection's Policy for Consideration of Local Comprehensive Plans and Zoning Ordinances in DEP Review of Permits for Facilities and Infrastructure (DEP's Land Use Policy) provides direction and guidance to DEP staff, permit applicants, and local and county governments for the implementation of Acts 67, 68 and 127 of 2000. This policy can be found at [www.depweb.state.pa.us](http://www.depweb.state.pa.us); keyword: Land Use.

In accordance with DEP's Land Use Policy, enclosed please find a Municipal Land Use Letter that is to be submitted with our permit application to DEP. Please complete the attached form and return within 30 days to:

Name of Applicant: PPL Bell Bend, LLC

Address of Applicant: 38 Bomboy Lane, Suite 2 Berwick, PA 18603

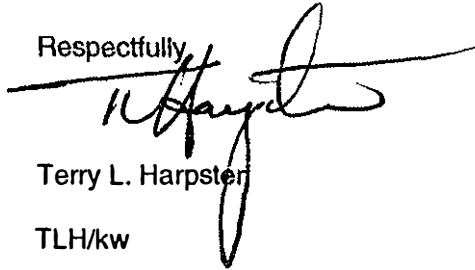
Project Location: Lands to the west and southwest of existing PPL Generation, LLC  
Susquehanna Steam Electric Station, bounded by Beach Grove Rd. and SR. 0011

Project Description: Electrical Power Generating Plant

**Please do not send this form to DEP,** as we must include the Municipal Land Use Letter with our permit application. If we do not receive a response from you **within 30 days**, we shall proceed to submit our permit application to DEP without the Municipal Land Use Letter. If the Municipal Land Use Letter is not submitted with our permit application, and we provide proof to DEP that we attempted to obtain it, DEP will assume there are no substantive land use conflicts and proceed with the normal application review process.

If you have any questions, please do not hesitate to contact Vince Kelly at 610.774.7611 or [jkelly@pplweb.com](mailto:jkelly@pplweb.com).

Respectfully,

A handwritten signature in black ink, appearing to read "T. Harpster", with a long horizontal flourish extending to the right.

Terry L. Harpster

TLH/kw

Enclosure: Municipal Land Use Letter

cc: (w/o Enclosures)

Ms. Stacey Imboden  
Senior Project Manager  
U.S. Nuclear Regulatory Commission  
11545 Rockville Pike  
Rockville, MD 20852

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

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

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



## 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:

Board of Supervisors  
Township of Salem  
PO Box 405  
38 Bombay Lane  
Berwick PA 18803

BNP-2010-248

2. Article Number  
(Transfer from service label)

7002 2410 0002 7420 2449

## COMPLETE THIS SECTION ON DELIVERY

## A. Signature

x P Owens

- ☐ Agent  
☐ Addressee

## B. Received by (Printed Name)

P Owens

## C. Date of Delivery

10/6/10

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

## 3. Service Type

- ☐ Certified Mail ☐ Express Mail  
☐ Registered ☐ Return Receipt for Merchandise  
☐ Insured Mail ☐ C.O.D.

## 4. Restricted Delivery? (Extra Fee)

- ☐ Yes

# Township of Salem

Phone: 570-752-4399  
Fax: 570-752-4661

Office: 38 Bomboy Lane • PO Box 405 • Berwick, PA 18603

October 5, 2010

RECEIVED OCT 06 2010

Mr. Terry L. Harpster  
PPL Bell Bend, LLC  
38 Bomboy Lane, Suite 2  
Berwick, PA 18603

RE: Proposed Electrical Power Generating Plant

Dear Mr. Harpster:

In response to your letter of October 4, 2010, Salem Township adopted a Comprehensive Plan in 1975 and a Zoning Ordinance on March 28, 1995, with amendments on September 23, 1997 and March 23, 2004. Salem Township is aware that the Comprehensive Plan is outdated. However, it is the belief of Salem Township that the Zoning Ordinance is generally consistent with the Comprehensive Plan.

The Electrical Power Generating Plant proposed by PPL Bell Bend, LLC is located in two Zoning Districts, the A-1 Agricultural District and the C-1 Conservation District. An Electrical Power Generating Plant is listed as a conditional use and will require approval from the Salem Township Board of Supervisors provided all requirements for this type of facility are met. As of today, PPL Bell Bend, LLC has not submitted an application for a conditional use.

Salem Township is in the process of amending the Zoning Ordinance and Map. If the amendments are approved, all of the PPL property will be rezoned to an I-3 Special Industrial District and will still require a conditional use approval.

I would appreciate a copy of the NPDES application for my files.

Please call me at (570) 752-4399, ext. 12, if you require additional information.

Sincerely,



Karen J. Karchner  
Zoning/Building Code Official

**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](mailto:tlharpster@pplweb.com)



October 4, 2010

Luzerne County Commissioners  
20 North Pennsylvania Ave.  
Wilkes-Barre, PA 18701

**BELL BEND NUCLEAR POWER PLANT  
LUZERNE COUNTY LAND USE REVIEW  
NPDES PERMIT FOR STORMWATER  
DISCHARGES  
BNP-2010-249      Docket No. 52-039**

Acts 67, 68 and 127, which amended the Municipalities Planning Code, direct state agencies to consider comprehensive plans and zoning ordinances when reviewing applications for permitting of facilities and infrastructure, and specify that state agencies may rely upon comprehensive plans and zoning ordinances under certain conditions as described in Sections 619.2 and 1105 of the Municipalities Planning Code. The Pennsylvania Department of Environmental Protection's Policy for Consideration of Local Comprehensive Plans and Zoning Ordinances in DEP Review of Permits for Facilities and Infrastructure (DEP's Land Use Policy) provides direction and guidance to DEP staff, permit applicants, and local and county governments for the implementation of Acts 67, 68 and 127 of 2000. This policy can be found at [www.depweb.state.pa.us](http://www.depweb.state.pa.us); keyword: Land Use.

In accordance with DEP's Land Use Policy, enclosed please find a County Land Use Letter that is to be submitted with our permit application to DEP. Please complete the attached form and return within 30 days to:

Name of Applicant: PPL Bell Bend, LLC

Address of Applicant: 38 Bomboy Lane, Suite 2 Berwick, PA 18603

Project Location: Lands to the west and southwest of existing PPL Generation, LLC  
Susquehanna Steam Electric Station, bounded by Beach Grove Rd. and SR. 0011

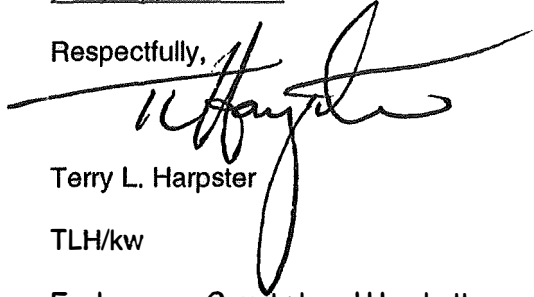
Project Description: Electrical Power Generating Plant

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If you have any questions, please do not hesitate to contact Vince Kelly at 610.774.7611 or [jkelly@pplweb.com](mailto:jkelly@pplweb.com).

Respectfully,

A handwritten signature in black ink, appearing to read "T. Harpster", written over a horizontal line.

Terry L. Harpster

TLH/kw

Enclosure: County Land Use Letter

cc: (w/o Enclosure)

Ms. Stacey Imboden  
Senior Project Manager  
U.S. Nuclear Regulatory Commission  
11545 Rockville Pike  
Rockville, MD 20852

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 & B at 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. Amy Elliott  
U.S. Army Corps of Engineers - Baltimore District  
State College Field Office  
1631 South Atherton Street, Suite 102  
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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

SENDER: COMPLETE THIS SECTION		COMPLETE THIS SECTION ON DELIVERY	
<ul style="list-style-type: none"> <li>■ Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.</li> <li>■ Print your name and address on the reverse so that we can return the card to you.</li> <li>■ Attach this card to the back of the mailpiece, or on the front if space permits.</li> </ul>		<p>A. Signature  <i>*James Blawie</i> <input type="checkbox"/> Agent <input checked="" type="checkbox"/> Addressee</p>	
<p>1. Article Addressed to:</p> <p>Luzerne County Commissioners  20 North Pennsylvania Ave.  Wilkes-Barre PA 18701</p> <p>BNP-2010-249</p>		<p>B. Received by (Printed Name) <i>James B</i> C. Date of Delivery <i>10/8/10</i></p> <p>D. Is delivery address different from item 1? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No  If YES, enter delivery address below:</p>	
		<p>3. Service Type</p> <p><input type="checkbox"/> Certified Mail <input type="checkbox"/> Express Mail</p> <p><input type="checkbox"/> Registered <input type="checkbox"/> Return Receipt for Merchandise</p> <p><input type="checkbox"/> Insured Mail <input type="checkbox"/> C.O.D.</p>	
<p>2. Article Number  (Transfer from service label)</p>		<p>4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes</p>	
<p>7009 2820 0000 9411 9916</p>			
PS Form 3811, February 2004		Domestic Return Receipt	
		102595-02-M-1540	

COUNTY LAND USE LETTER

Date: 10-15-10

To: PPL Bell Bend

From: Luzerne County Planning Agency/Commission

Re: Electrical Power Generating Plant

RECEIVED OCT 20 2010

The County of Luzerne states that it:

☒ has adopted a county or multi-county comprehensive plan.  
If yes, please provide date of adoption: 1964

☐ has not adopted a county or multi-county comprehensive plan.

If applicable:

The above referenced project:

☒ is consistent with the adopted county or multi-county comprehensive plan.  
☐ is not consistent with the adopted county or multi-county comprehensive plan.

Additional Comments (attach additional sheets if necessary):

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Submitted By:

Name	<u>ADRIAN MEROLLI</u>
Title	<u>EXECUTIVE DIRECTOR</u>
Contact Information (Address & Phone)	<u>LUZERNE COUNTY PLANNING COMMISSION</u> <u>COUNTY COURTHOUSE</u> <u>200 NO. RIVER ST.</u> <u>WILKES-BARRE, PA. 18711</u> <u>570-825-1560</u>
Signature	<u>Adrian Merolli</u>
Date	<u>10-15-10</u>