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August 27, 2010

ATTN: Document Control Desk  
U.S. Nuclear Regulatory Commission  
Washington, DC 20555-0001

**BELL BEND NUCLEAR POWER PLANT  
RESPONSE TO ENVIRONMENTAL  
REQUEST FOR ADDITIONAL  
INFORMATION, ELEVENTH SUBMITTAL  
BNP-2010-209      Docket No. 52-039**

Reference: Letter from U.S. NRC Document Control Desk to R.R. Sgarro (PPL), "Requests for Additional Information Related to the Environmental Review for the Combined License Application for Bell Bend Nuclear Power Plant," dated July 10, 2009

The purpose of this letter is to respond to Environmental Report (ER) request for additional information (RAI) USACE-2e identified in the referenced NRC correspondence to PPL Bell Bend, LLC.

The enclosure provides the ER RAI response to USACE-2e.

If you have any questions, please contact the undersigned at 570-802-8102.

*I declare under penalty of perjury that the foregoing is true and correct.*

Executed on August 27, 2010

Respectfully,

A handwritten signature in black ink that reads "Rocco R. Sgarro". The signature is written in a cursive style with a large, prominent "S" at the end.

Rocco R. Sgarro

RRS/kw

Enclosure: Response to Environmental Request for Additional Information USACE-2e,  
BellBend Nuclear Power Plant, Luzerne County Pennsylvania

D102  
NRW

cc: Mr. Michael Canova  
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Enclosure

Response to Environmental Request for Additional Information  
USACE-2e  
Bell Bend Nuclear Power Plant  
Luzerne County Pennsylvania

**USACE-2e**

**Summary:** *Provide copies of all previously issued Federal, State and local permits and plans for the existing facilities at the project site as well as a description and plans for all mitigation completed for these previously authorized projects.*

**Full Text:** Under 33 CFR 325.1 (Applications for permits), the applicant is required to provide a list of authorizations required by other Federal, State, or local agencies for the proposed work, including all past permits previously issued.

**Response:**

33 CFR 325.1(d) requires that a list of authorizations required by other federal, interstate, state or local agencies for the proposed work be included as content in the application for Department of the Army (DA) permits. In order to provide this information, a list of federal, interstate, state and local authorizations for the existing facilities at the project site, including Susquehanna Steam Electric Station Unit 1 and Unit 2, is attached (Table 1). These authorizations are limited to those authorizations that are related to the processing of Department of the Army permits as discussed in 33 CFR 325.1(a) and do not include authorizations unrelated to the environment, such as building occupancy permits and elevator permits.

The listing of authorizations and permits in Table 1 includes specific information for the authorization, requirement, authorization number, issuance or expiration date and the activity authorized. Copies of the Susquehanna Steam Electric Station Unit 1 and Unit 2 will not be submitted under the PPL Bell Bend docket number for the Bell Bend Nuclear Power Plant (BBNPP); however, sufficient authorization information is presented in Table 1.

The only known mitigation for the authorizations and permits identified in Table 1 is to provide a source of supplemental water for low river water flow during drought periods required by the Susquehanna River Basin Commission permit (Application 19950301). The low river flow supplemental water source is via the Cowanesque Reservoir.

**COLA Impact:**

No changes to the BBNPP COLA ER are required as a result of this RAI response.

Table 1. List of Susquehanna Steam Electric Station Federal, Interstate, State, and Local Environmental Permits/Authorizations

Agency Authority		Requirement	Number	Issue or Expiration Date	Activity Covered
Federal and State Requirements					
U.S. Nuclear Regulatory Commission	Atomic Energy Act (42 USC 2011, et seq.), 10 CFR 50.10	License to operate	NPF-14 NPF-22	Issued: 7/17/1982 Expires: 7/17/2022 Issued: 3/23/1984 Expires: 3/23/2024	Operation of SSES Unit 1 Operation of SSES Unit 2
U.S. Department of Transportation	49 USC 5108	Registration	063009 552 034RT	Issued: 6/30/09 Expires: 6/30/12	Hazardous materials shipments
U.S. Environmental Protection Agency	40 CFR Part 68	Risk Management Program	EPA Facility ID # 1000 0004 9128	Issued: 6/15/04 Expired: 6/15/09	Hydrogen Tank Farm
U.S. Army Corps of Engineers	Section 10 of Rivers and Harbors Act of 1899 (33 USC 403)	Water Obstruction & Encroachment Permit Joint Permit	NAB-2009-01770-P12	Issued: 11/23/2009 Expires: 6/20/2011	Maintenance dredging in front of the River Intake Structure and cleaning the Cooling Tower blowdown discharge diffuser pipe
Pennsylvania Department of Environmental Protection	Pennsylvania Public Laws 834, 204, 851, 1987, etc.	Water Obstruction & Encroachment Permit Joint Permit	PASPGP-2 E40-195	Issued: 2/15/2006 Expired: 6/30/2006	Operate and maintain the structure or work in accordance with the permit
U.S. Army Corps of Engineers	Section 10 of Rivers and Harbors Act of 1899 (33 USC 403)	Water Obstruction & Encroachment Permit Joint Permit	CENAB-OP-RR 87-1767-4	Issued: 8/31/88 Expired: 12/31/90	Boat Ramp Env. Lab; can perform routine maintenance
Pennsylvania Department of Environmental Protection	Pennsylvania Public Laws 834, 204, 851, 1987, etc.	Water Obstruction & Encroachment Permit Joint Permit	E40-192	Issued: 8/31/88 Expired: 12/31/90	Boat Ramp Env. Lab; can perform routine maintenance

Table 1. List of Susquehanna Steam Electric Station Federal, Interstate, State, and Local Environmental Permits/Authorizations (continued)

Agency Authority		Requirement	Number	Issue or Expiration Date	Activity Covered
Federal and State Requirements					
U.S. Army Corps of Engineers/ Pennsylvania Department of Environmental Protection	Section 10 of Rivers and Harbors Act of 1899 (33 USC 403)	Water Obstruction & Encroachment Permit Joint Permit	PASPGP-2 E40-609 APS No. 457878	Issued: 12/19/02 Expired: 12/19/05	Work in wetlands
Pennsylvania Department of Environmental Protection	Title 25 Chapter 105, Dam Safety and Waterway Management	Water Obstruction & Encroachment Permit Joint Permit	E40-415	Issued: 7/4/95 Expired: 12/31/97	Operate and maintain the structure or work in accordance with the permit
Pennsylvania Department of Environmental Protection	Clean Water Act (33 USC 1251 et seq.), PA Title 25 Chapter 92, National Pollutant Discharge Elimination System Permit	National Pollutant Discharge Elimination System Permit	PA-0047325	Issued: 9/1/2005 Expires: 8/31/2010	Industrial wastewater discharges to Susquehanna River A renewal application was submitted 2/25/2010 to the PaDEP.
Pennsylvania Department of Environmental Protection	Clean Air Act (42 USC 7401 et seq), PA Title 25 Chapter 127, Construction, Modification, Reactivation and Operation of Sources	Operating Permit	SM-40-00027	Issued: 5/18/2010 Expires: 5/18/2015	All air emission sources at SSES

Table 1. List of Susquehanna Steam Electric Station Federal, Interstate, State, and Local Environmental Permits/Authorizations (continued)

Agency Authority		Requirement	Number	Issue or Expiration Date	Activity Covered
Federal and State Requirements					
Pennsylvania Department of Environmental Protection	Clean Water Act (33 USC 1251 et seq.); Clean Air Act (42 USC 7401 et seq.); Resource Conservation and Recovery Act (42 USC 6901 et seq.); PA Title 245, Administration of the Storage Tank and Spill Prevention Program	Registration or certificate	40-10748-008A	Issued: 4/4/2010 Expires: 4/4/2011	Used diesel oil tank "A"
Pennsylvania Department of Environmental Protection	same	Registration or certificate	40-10748-011A	Issued: 4/4/2006 Expired: 4/4/2007	Unit 1 condensate demineralizer sulfuric acid storage tank This tank has been permanently closed.
Pennsylvania Department of Environmental Protection	same	Registration or Certificate	40-10748-012A	Issued: 4/4/2010 Expires: 4/4/2011	Unit 1 condensate demineralizer sodium hydroxide storage tank Out of service; to be permanently closed by 2/20/2013.
Pennsylvania Department of Environmental Protection	same	Registration or certificate	40-10748-020A	Issued: 4/4/2010 Expires: 4/4/2011	Raw water treatment alum storage tank
Pennsylvania Department of Environmental Protection	same	Registration or certificate	40-10748-026A	Issued: 4/4/2010 Expires: 4/4/2011	Raw water treatment sodium hypochlorite storage tank

Table 1. List of Susquehanna Steam Electric Station Federal, Interstate, State, and Local Environmental Permits/Authorizations (continued)

Agency Authority		Requirement	Number	Issue or Expiration Date	Activity Covered
Federal and State Requirements					
Pennsylvania Department of Environmental Protection	same	Registration or certificate	40-10748-025A	Issued: 4/4/2010 Expired: 4/4/2011	Sodium bisulfite
Pennsylvania Department of Environmental Protection	same	Registration or certificate	40-10748-023A	Issued: 4/4/2010 Expired: 4/4/2011	Sodium hypochlorite
Pennsylvania Department of Environmental Protection	same	Registration or certificate	40-10748-024A	Issued: 4/4/2010 Expired: 4/4/2011	Sodium hypochlorite
Pennsylvania Department of Environmental Protection	same	Registration or certificate	40-10748-016	Issued: 4/4/2010 Expired: 4/4/2011	Unit 1 batch lube oil tank
Pennsylvania Department of Environmental Protection	same	Registration or certificate	40-10748-017	Issued: 4/4/2010 Expired: 4/4/2011	Unit 2 batch lube oil tank
Pennsylvania Department of Environmental Protection	same	Registration or certificate	40-10748-28A	Issued: 4/4/2010 Expired: 4/4/2011	Sulfuric acid
Pennsylvania Department of Environmental Protection	same	Registration or certificate	40-10748-29A	Issued: 4/4/2010 Expired: 4/4/2011	Sulfuric acid
Pennsylvania Department of Environmental Protection	same	Registration or certificate	40-10748-018	Issued: 4/4/2006 Expired: 4/4/2007	Fuel farm gasoline tank Tank has been removed.

Table 1. List of Susquehanna Steam Electric Station Federal, Interstate, State, and Local Environmental Permits/Authorizations (continued)

Agency Authority		Requirement	Number	Issue or Expiration Date	Activity Covered
Federal and State Requirements					
Pennsylvania Department of Environmental Protection	same	Registration or certificate	40-10748-019	Issued: 4/4/2006 Expired: 4/4/2007	Fuel farm diesel fuel tank Tank has been removed.
Pennsylvania Department of Environmental Protection	PA Title 25 Chapter 109, Safe Drinking Water	Public Water Supply Brief Description Form	ID 2400994 Site Well System (Wells TW1 & TW2)	Issued: 2/17/1989 Expires: N/A	Well registration continues indefinitely unless there are upgrades
Pennsylvania Department of Environmental Protection	PA Title 25 Chapter 109, Safe Drinking Water	Public Water Supply Brief Description Form	ID 2400995 Riverlands Recreation Area	Issued: 12/4/1985 Expires: N/A	Well registration continues indefinitely unless there are upgrades
Pennsylvania Department of Environmental Protection	PA Title 25 Chapter 109, Safe Drinking Water	Public Water Supply Brief Description Form	ID 2400999 Energy Information Center	Issued: 12/4/1985 Expires: N/A	Well registration continues indefinitely unless there are upgrades
Pennsylvania Department of Environmental Protection	PA Title 25 Chapter 109, Safe Drinking Water	Public Water Supply Brief Description Form	ID 2400938 West Building (formerly Emergency Operations Facility)	Issued: 12/4/1985 Expires: N/A	Well registration continues indefinitely unless there are upgrades
U.S. Environmental Protection Agency	Section 3010 of Resource Conservation and Recovery Act	Acknowledgement of notification of Hazardous Waste Activity	PAD000765883	Issued: 8/9/2000 Expires: N/A	Hazardous waste
Pennsylvania Fish and Boat Commission and Boat Commission	Chapter 29 of the Fish and Boat Code, Act 1980175 amended	Scientific Collecting Permit	008 Type III (R)	Issued: 8/3/2010 Expires: 12/31/2010	Collect fish, epilithic algae, zooplankton, macroinvertebrate, amphibians, reptiles
			007 Type III (R)	Issued: 4/2/2010 Expires: 12/31/2010	
Susquehanna River Basin Commission	Regulation 18 CFR 803 for Consumptive use	Approval for Consumptive use water	Application 19950301	Issued: 3/9/1995 Modified: 9/12/2007 Expires: 3/9/2025	Low flow augmentation

Table 1. List of Susquehanna Steam Electric Station Federal, Interstate, State, and Local Environmental Permits/Authorizations (continued)

Agency Authority		Requirement	Number	Issue or Expiration Date	Activity Covered
Federal and State Requirements					
South Carolina Department of Health and Environmental Control – Division of Waste Management	South Carolina Radioactive Waste Transportation and Disposal Act (Act No. 429)	South Carolina Radioactive Waste Transport Permit	0162-37-05	Issued: 11/18/05 Expired: 12/31/06	Transportation of radioactive waste into the State of South Carolina
State of Tennessee Department of Environment and Conservation Division of Radiological Health	Tennessee Department of Environment and Conservation Rule 1200-2-10.32	Tennessee Radioactive Waste License-for-Delivery	T-PA001-L10	Issued: 1/1/2010 Expires: 12/31/2010	Transportation of radioactive waste into the State of Tennessee
Commonwealth of Virginia Department of Emergency Management	Virginia Code, Title 44, Chapter 3.3, Section 44-143.30	Commonwealth of Virginia Radioactive Waste Transport Registration	PS-S-013111	Issued : 1/20/2009 Expired: 1/31/2011	Registration to transport hazardous radioactive waste materials in the State of Virginia