



January 15, 2010

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

**BELL BEND NUCLEAR POWER PLANT
RESPONSE TO ENVIRONMENTAL
REQUESTS FOR ADDITIONAL
INFORMATION, EIGHTH SUBMITTAL
BNP-2010-007 Docket No. 52-039**

References: 1) 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 several Environmental Report (ER) requests for additional information (RAIs) identified in the referenced NRC correspondence to PPL Bell Bend, LLC (PPL). These RAIs address environmental issues, as discussed in Part 3 of the Bell Bend Nuclear Power Plant Combined License Application (BBNPP COLA).

Enclosure 1 provides the current ER RAI response status, the planned submittal dates for the remaining responses, and a page index of responses in Enclosure 2. The planned submittal date for some of the RAIs has been changed as compared to the schedule provided in PPL letter BNP-2009-342, dated November 30, 2009. These RAIs are identified with a footnote in Enclosure 1. Since PPL letter BNP-2009-342 was submitted, PPL has decided to move the footprint of the proposed BBNPP within the existing project boundary. The planned submittal dates (Enclosure 1) for the items impacted by this plot plan change have been revised to reflect the current schedule.

PPL plans to transmit a series of responses to the RAIs on or before the planned submittal dates provided in Enclosure 1. The planned submittal schedule is subject to change as PPL collects/develops the information required for the responses. PPL will keep the NRC staff informed of schedule changes during our periodic status updates in addition to updates in our subsequent submittals. Enclosure 2 provides responses to two RAIs, CR 2.5-6 and USACE-1.

Enclosure 3 provides the information requested in RAI CR 2.5-6.

The response to RAI CR 2.5-6 contains a commitment to transmit a supplemental RAI response if additional forms are received from interested parties regarding cultural resources.

DO79
NRO

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 January 15, 2010

Respectfully,

A handwritten signature in black ink, appearing to read "Rocco R. Sgarro". The signature is fluid and cursive, with the first name "Rocco" and last name "Sgarro" clearly distinguishable.

Rocco R. Sgarro

RRS/kw

- Enclosures:
- 1) Response Status for Environmental Requests for Additional Information, Bell Bend Nuclear Power Plant, Luzerne County Pennsylvania
 - 2) Responses to Environmental Requests for Additional Information, Bell Bend Nuclear Power Plant, Luzerne County Pennsylvania
 - 3) RAI CR 2.5-6 Interested Party Invitations and Response Received to Date, Bell Bend Nuclear Power Plant, Luzerne County Pennsylvania

cc: Mr. Samuel J. Collins
Regional Administrator
U.S. Nuclear Regulatory Commission
Region I
475 Allendale Road
King of Prussia, PA 19406-1415

Mr. Michael Canova
Project Manager
U.S. Nuclear Regulatory Commission
11555 Rockville Pike
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Ms. Stacey Imboden
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U.S. Nuclear Regulatory Commission
11555 Rockville Pike
Rockville, MD 20852

Enclosure 1

Response Status for Environmental Requests for Additional Information
Bell Bend Nuclear Power Plant
Luzerne County Pennsylvania

NRC Response Status for Environmental Requests for Additional Information (RAIs)		
RAI	Review Plan Section	Planned Submittal Schedule
ACC 7.1-1	ESRP 7.1.10	Submitted August 10, 2009
ACC 7.1-2	ESRP 7.1	Submitted August 5, 2009
ACC 7.2-1	ESRP 7.2	Submitted August 10, 2009
ACC 7.2-2	ESRP 7.2	Submitted August 10, 2009
ACC 7.2-3	ESRP 7.2	Submitted August 10, 2009
ACC 7.2-4	ESRP 7.2	Submitted August 10, 2009
ACC 7.2-5, (revised response)	ESRP 7.2	Submitted October 19, 2009
ACC 7.2-6	ESRP 7.2	Submitted August 10, 2009
ACC 7.3-1	ESRP 7.3	Submitted September 17, 2009
ACC 7.3-2	ESRP 7.3	Submitted August 10, 2009
ACC 7.3-3	N/A	Submitted August 10, 2009
ACC 7.3-4	N/A	Submitted September 25, 2009
ACC 7.3-5	N/A	Submitted August 10, 2009
MET 2.7-1	ESRP 2.7	May 14, 2010 ^{1,2}
MET 2.7-2	ESRP 2.7	Submitted November 30, 2009
MET 2.7-3	ESRP 2.7	Submitted September 11, 2009
MET 2.7-4	ESRP 2.7	Submitted September 17, 2009
MET 5.3-1	ESRP 2.7, ESRP 5.3.3.1	Submitted November 30, 2009
MET 5.3-2	ESRP 2.7, ESRP 5.3.3.1	Submitted August 10, 2009
MET 5.3-3	ESRP 5.3.3.1	Submitted August 10, 2009
MET 5.3-4	ESRP 5.3.3.1	Submitted September 11, 2009
MET 5.3-5	ESRP 5.3.3.1	Submitted August 10, 2009
MET 6.4-1	ESRP 2.7, ESRP 6.4	Submitted September 17, 2009
MET 6.4-2	ESRP 6.4	Submitted September 17, 2009
ALT 9.3-1	ESRP 9.3	Submitted November 30, 2009
ALT 9.3-2	ESRP 9.3	Submitted October 19, 2009
ALT 9.3-3	ESRP 9.3	Submitted September 11, 2009
ALT 9.3-4	ESRP 9.3	Submitted September 25, 2009
ALT 9.3-5	ESRP 9.3	Submitted November 30, 2009
AE 2.3-1	ESRP 2.3.1	Submitted October 19, 2009
AE 2.3-2	ESRP 2.3.1	Submitted August 5, 2009
AE 2.3-3	ESRP 2.3.1	Submitted September 25, 2009
AE 2.4-1	ESRP 2.4.2	Submitted August 5, 2009
AE 2.4-2	ESRP 2.4.2	Submitted August 5, 2009
AE 2.4-3	ESRP 2.4.2	Submitted August 5, 2009
AE 2.4-4	ESRP 2.4.2	Submitted August 5, 2009
AE 2.4-5	ESRP 2.4.2	Submitted August 5, 2009
AE 3.4-1	ESRP 3.4.2	Submitted August 10, 2009
AE 3.4-2	ESRP 3.4.2	Submitted November 30, 2009
AE 3.4-3	ESRP 3.4.2	Submitted August 10, 2009
AE 3.4-4	ESRP 3.4.2	Submitted August 10, 2009
AE 4.3-1	ESRP 4.3.2	Submitted August 5, 2009
AE 4.3-2	ESRP 4.3.2	August 16, 2010 ^{1,2}
AE 4.3-3	ESRP 4.3.2	Submitted October 19, 2009
AE 4.3-4	ESRP 4.3.2	Submitted November 30, 2009
AE 5.3-1	ESRP 5.3.1.2	Submitted August 10, 2009
AE 5.3-2	ESRP 5.3.1.2	Submitted August 5, 2009
AE 9.3-1	ESRP 9.3	Submitted November 30, 2009
AE 9.3-2	ESRP 9.3	Submitted September 17, 2009
AE 9.3-3	ESRP 9.3	Submitted September 17, 2009
AE 9.3-4	ESRP 9.3	Submitted November 30, 2009
CR 2.5-1	ESRP 4.1.3, ESRP 5.1.3	Submitted August 10, 2009

NRC Response Status for Environmental RAls (continued)		
RAI	Review Plan Section	Planned Submittal Schedule
CR 2.5-2	ESRP 4.1.3	Submitted August 10, 2009
CR 2.5-3	ESRP 4.1.3, ESRP 5.1.3	Submitted August 10, 2009
CR 2.5-4	ESRP 4.1.3, ESRP 5.1.3	Submitted August 10, 2009
CR 2.5-5	ESRP 2.5.2, ESRP 2.5.3	Submitted August 10, 2009
CR 2.5-6	ESRP 2.5.2, ESRP 2.5.3	Included in Enclosure 2
CR 2.5-7	ESRP 4.1.3, ESRP 5.1.3	Submitted November 30, 2009
CR 2.5-8	ESRP 4.1.3, ESRP 5.1.3	Submitted November 30, 2009
STO 1-1	N/A	Submitted October 19, 2009
STO 1-1 (revised response)	N/A	Submitted November 9, 2009
STO 2.1-1	ESRP 2.2, 2.4, 2.5, 4.3	April 30, 2010 ^{1,2}
STO 2.1-2	ESRP 2.1	Submitted August 10, 2009
STO 2.2-1	ESRP 2.2	Submitted September 17, 2009
STO 2.3-1	ESRP 2.3	Submitted September 25, 2009
GEO 2.6-1	ESRP 2.6	Submitted September 11, 2009
H 2.3-1	ESRP 2.3-2	Submitted September 17, 2009
H 2.3-2	ESRP 2.3-2	Submitted September 17, 2009
H 3.4-1	ESRP 3.4.1	Submitted September 25, 2009
H 3.6-1	ESRP 3.6.1	Submitted September 17, 2009
H 3.6-2	ESRP 3.6.1	Submitted August 5, 2009
H 4.2-1	ESRP 4.2.1	August 16, 2010 ^{1,2}
H 5.2-1	ESRP 5.2.2	Submitted September 25, 2009
H 5.3-1	ESRP 5.3.2.1	Submitted November 30, 2009
H 5.3-1 (revised response)	ESRP 5.3.2.1	Submitted December 17, 2009
H 6.3-1	ESRP 6.3	Submitted October 19, 2009
H 9.3-1	ESRP 9.3	Submitted November 30, 2009
H 9.4-1	ESRP 9.4.2	Submitted August 10, 2009
H 9.4-2	ESRP 9.4.2	Submitted August 10, 2009
H 9.4-3	ESRP 9.4.2	Submitted September 11, 2009
LU 2.2-1	ESRP 2.2.1	Submitted August 5, 2009
LU 3.7-1	ESRP 4.1	August 16, 2010 ^{1,2}
LU 4.1-1	ESRP 4.1	August 16, 2010 ^{1,2}
LU 5.1-1	ESRP 4.1	August 16, 2010 ^{1,2}
LU 5.1-2	ESRP 4.1	August 16, 2010 ^{1,2}
NRHH 10.5-1	N/A	Submitted August 10, 2009
RHH 4.5-1	ESRP 4.5, ESRP 5.4-2	Submitted August 10, 2009
RHH 4.5-2	ESRP 4.5	Submitted October 19, 2009
RHH 4.5-3	ESRP 4.5	Submitted September 25, 2009
RHH 5.4-1	ESRP 5.4.2	Submitted September 11, 2009
SE 2.5-1	ESRP 2.5.1	Submitted August 5, 2009
SE 2.5-2	ESRP 2.5.1	Submitted November 30, 2009
SE 2.5-3	ESRP 2.5.2	Submitted October 19, 2009
SE 2.5-4	ESRP 2.5.2	Submitted October 19, 2009
SE 2.5-5	ESRP 2.5.2	Submitted August 10, 2009
SE 2.5-6	ESRP 2.5.2	Submitted August 5, 2009
SE 2.5-7	ESRP 2.5.2	Submitted October 19, 2009
SE 2.5-8	ESRP 2.5.2	Submitted October 19, 2009
SE 2.5-9	ESRP 2.5.2	Submitted September 11, 2009
SE 2.5-10	ESRP 2.5.4	Submitted September 17, 2009
SE 2.5-11	ESRP 2.5.4	Submitted August 10, 2009
SE 2.5-12	ESRP 2.5.4	Submitted August 10, 2009
SE 2.5-13	ESRP 2.5.4	Submitted September 17, 2009
SE 4.4-1	ESRP 4.4.1	Submitted August 10, 2009
SE 4.4-2	ESRP 4.4.1	Submitted August 10, 2009
SE 4.4-3	ESRP 4.4.2	Submitted September 25, 2009

NRC Response Status for Environmental RAIs (continued)		
RAI	Review Plan Section	Planned Submittal Schedule
SE 4.4-4	ESRP 4.4.2	Submitted November 30, 2009
SE 4.4-5	ESRP 4.4.2	Submitted August 5, 2009
SE 4.4-6	ESRP 4.4.2	Submitted August 10, 2009
SE 4.4-7	ESRP 4.4.2	Submitted September 17, 2009
SE 4.4-8	ESRP 4.4.2	Submitted September 17, 2009
SE 4.4-9	ESRP 4.4.2	February 26, 2010 ^{1,2}
SE 4.4-10	ESRP 4.4.2	Submitted September 17, 2009
SE 4.4-11	ESRP 4.4.2	Submitted October 19, 2009
SE 4.4-12	ESRP 4.4.2	Submitted September 25, 2009
SE 4.4-13	ESRP 4.4.2	Submitted October 19, 2009
SE 4.4-14	ESRP 4.4.3	Submitted September 17, 2009
SE 5.8-1	ESRP 5.8.2	Submitted September 17, 2009
SE 5.8-2	ESRP 5.8.2	Submitted August 5, 2009
CB 10.4-1	ESRP 10.4.2	February 26, 2010 ^{1,2}
TE 2.4-1	ESRP 2.2.1	Submitted August 10, 2009
TE 2.4-1 (revised response)	ESRP 2.2.1	Submitted October 19, 2009
TE 2.4-2	ESRP 2.2.1	Submitted August 5, 2009
TE 2.4-3	ESRP 2.4.1	Submitted September 11, 2009
TE 2.4-4	ESRP 2.4.1	Submitted August 10, 2009
TE 2.4-5 (revised response)	ESRP 2.4.1	Submitted September 11, 2009
TE 2.4-6	ESRP 2.4.1	April 30, 2010 ^{1,2}
TE 2.4-7	ESRP 2.4.1	April 30, 2010 ^{1,2}
TE 2.4-8	ESRP 2.4.1	September 3, 2010 ^{1,2}
TE 4.3-1	ESRP 4.3.1	September 3, 2010 ^{1,2}
TE 4.3-2	ESRP 4.3.1	September 3, 2010 ^{1,2}
TE 4.3-3	ESRP 4.3.1	Submitted September 11, 2009
TE 4.3-4	ESRP 4.3.1	September 3, 2010 ^{1,2}
TE 4.3-5	ESRP 4.3.1	Submitted August 10, 2009
TE 4.3-6	ESRP 4.3.1	Submitted August 10, 2009
TE 4.3-7	ESRP 4.3.1, ESRP 9.3	September 3, 2010 ^{1,2}
TE 4.3-8	ESRP 4.3.1	September 3, 2010 ^{1,2}
TE 4.3-9	ESRP 4.3.1	Submitted September 25, 2009
TE 4.3-10	ESRP 4.3.1	September 3, 2010 ^{1,2}
TR 4.7-1	ESRP 4.7	Submitted September 25, 2009
TR 4.7-2	ESRP 4.7	Submitted August 10, 2009

USACE Response Status for Environmental RAIs	
RAI	Planned Submittal Schedule
USACE-1	Included in Enclosure 2
USACE-1a	June 15, 2010 ^{1,2}
USACE-1b	June 15, 2010 ^{1,2}
USACE-2	September 3, 2010 ^{1,2}
USACE-2a	June 15, 2010 ^{1,2}
USACE-2b	Submitted November 30, 2009
USACE-2c	Submitted November 30, 2009
USACE-2d	Submitted November 30, 2009
USACE-2e	June 15, 2010 ^{1,2}
USACE-2f	June 15, 2010 ^{1,2}
USACE-2g	Submitted September 25, 2009
USACE-2h	September 30, 2011 ^{1,2}
USACE-3	September 3, 2010 ^{1,2}

¹The responses to these RAIs were requested to be provided within 30 calendar days. Based on vendor review and input, the time required to complete the necessary work will exceed this timeframe and PPL requests additional time, as indicated above.

²The planned submittal date for this RAI response has been revised since submittal of BNP-2009-342 on November 30, 2009.

Enclosure 2

Responses to Environmental Requests for Additional Information
Bell Bend Nuclear Power Plant
Luzerne County Pennsylvania

CR 2.5-6ESRP 2.5.2ESRP 2.5.3

Summary: *Provide copies of all consultation letters with other Interested parties. Explain how Interested Parties were informed and contacted. Provide list of Interested Parties who have expressed interest or concerns regarding cultural impacts and copies of any correspondence.*

Full Text: The consultation process is an important component of the Section 106 consultation process under Advisory Council procedures. Describe the efforts to contact members of the community to discover potential concerns and reasonable concerns.

Response: Letters of invitation were sent to parties that may be potentially interested in the cultural resources that may exist at the BBNPP site. Each letter included a form that the interested party may complete and return to indicate desire to participate, or not, in the National Historic Preservation Act Section 106 consultation process.

Enclosure 3 contains copies of the letters of invitation sent, and the one response received to date regarding the Section 106 consultation process.

The potentially interested parties are:

- Anthony T. P. Brooks, Luzerne County Historical Society
- Jim Stout, Berwick Historical Society
- Ted Baird, Society for Pennsylvania Archaeology
- Adrian Merolli, Luzerne County Planning Commission
- Dr. Katie Faull, Bucknell University
- Robert M. Pearse, Salem Township Supervisor

Mr. Baird of the Society for Pennsylvania Archaeology has returned his form requesting to be considered a consulting party.

Should forms from other potentially interested parties be received by PPL Bell Bend, the forms will be transmitted to the U.S. NRC in a supplemental response to this RAI.

COLA Impact:

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

USACE-1

Summary: *Provide a detailed analysis of the three off-site alternative locations (candidate sites) for the proposed project. While data collected using resource mapping is acceptable, site specific information regarding potential impacts to wetlands, endangered species, historic and archeological resources, floodplains, external substations, and external transmission corridors needs to be provided. It is assumed that existing rights-of-way would be used when possible to avoid unnecessary impacts to wetlands. In addition, when evaluating these candidate sites, the Corps believes that there are several ranking factors (as represented in the report presented by AREVA at the alternative site visits) that should be excluded in the analysis. These ranking factors include, but are not limited to, additional land acquisition, expansion potential, and ownership. In relation to ownership, the Guidelines specifically state that an area not presently owned by the applicant which could be reasonably obtained, utilized, expanded or managed in order to fulfill the basic purpose of the proposed activity may be considered if it is otherwise a practicable alternative.*

Full Text: The purpose of the off-site and the on-site alternative analysis is to demonstrate that the proposed project satisfies the Clean Water Act (CWA) Section 404(b)(1) Guidelines (40 CFR Part 230), which are the substantive criteria the Corps will use in determining the project's environmental impact on aquatic resources from discharges of dredged or fill material.

A Department of the Army Section 404 permit is necessary to construct any project involving the discharge of dredged or fill material into waters of the U.S. The Corps must ensure that the activity complies with the Guidelines as one step in its evaluation process. Among other things, an applicant for a 404 permit must demonstrate to the Corps that the proposed project is the least environmentally damaging practicable alternative (LEDPA). The LEDPA is determined by the preparation of a Section 404(b)(1) Guidelines Alternatives Analysis.

The CWA Section 404(b)(1) Guidelines should be a "stand alone" document. It can be integrated with the Public Interest review/evaluation (see USACE-2) to avoid duplication.

Response: The alternative site evaluation process for the BBNPP is documented in the Bell Bend Alternative Site Evaluation Report (PPL, 2009a) submitted December 17, 2009, and Section 9.3 of the COLA Environmental Report (PPL, 2009b), submitted November 25, 2009. Both documents were revised in 2009 to meet the standards of the NUREG-1555/ESRP and in response to comments from NRC and USACE and "lessons learned" from other UNE projects.

The net result of these updates provides more detail on the site evaluation and selection process and additional site-specific technical information obtained from screening-level data sources. In particular, comparison of potential development impacts to streams, wetlands, threatened and endangered species and other sensitive resources was advanced among the Candidate Sites, and included consideration of site-specific items such as transmission rights-of-way, in-water intake system components, and other support and balance-of-plant items not considered in the initial evaluation process. A "standard" set of avoidance and minimization practices was defined for use in Alternative Sites to reduce wetland and sensitive area impacts and provide for consistent evaluation of impacts across all sites.

Furthermore, the "commercial" factors described in the RAI (site ownership, expansion potential, additional land acquisition) were not employed in the alternative site selection process. The process used only environmental criteria to evaluate whether or not any alternative sites were environmentally preferable to the proposed site (BBNPP). Commercial factors are used in the process as a second level of screening only if any Alternative Site was found to be Environmentally Preferable to the BBNPP site. Since none were found to be so, the evaluation did not require consideration of commercial factors to make a determination that BBNPP is the most appropriate site considered for EPR development. Lastly, the revised Alternative Site Evaluation report provides specific consideration and supporting information related to the Clean Water Act 404(b)1 evaluation process and subsequent selection of a site meeting the definition of "Least Environmentally Damaging Practicable Alternative" (LEDPA), as required by the USACE Regulatory Program.

References cited in this response:

PPL, 2009a. Bell Bend Nuclear Power Plant Alternative Site Evaluation Revision 1, BNP-2009-411, dated December 17, 2009.

PPL, 2009b. Bell Bend Nuclear Power Plant Environmental Report Section 9.3, Alternative Sites, BNP-2009-371, dated November 25, 2009.

COLA Impact:

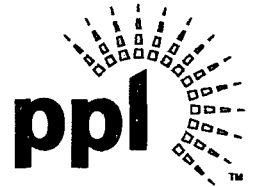
No changes to the BBNPP COLA ER are required as a result of this RAI response.

Enclosure 3

RAI CR 2.5-6 Interested Party Invitations
and Response Received to Date
Bell Bend Nuclear Power Plant
Luzerne County Pennsylvania

R. R. Sgarro
Manager, Nuclear Regulatory Affairs

PPL Bell Bend, LLC
38 Bomboy Lane, Suite 2
Berwick, PA 18603
Tel. 570.802.8102 FAX 570.802.8119
rrsgarro@pplweb.com



December 17, 2009

Luzerne County Historical Society
Anthony T. P. Brooks, Executive Director
49 South Franklin St
Wilkes-Barre, PA 18701-1290

**BELL BEND NUCLEAR POWER PLANT
INVITATION TO CONSULT AS AN
INTERESTED PARTY UNDER
SECTION 106 OF THE NATIONAL
HISTORIC PRESERVATION ACT
BNP-2009-404 Docket No. 52-039**

Dear Mr. Brooks:

PPL Bell Bend, LLC (PPL) and UniStar Nuclear Development, LLC (UniStar) are proposing construction of a new nuclear power generating unit adjacent to PPL's existing Susquehanna Steam Electric Station (SSES) in Salem Township, Luzerne County, Pennsylvania (see figure in Enclosure 2). In accordance with Section 106 of the National Historic Preservation Act of 1966, as amended (NHPA), UniStar and PPL are soliciting consultation from interested local parties on the proposed Undertaking's impact on historic resources. GAI Consultants, Inc. (GAI) was contracted to assist in these efforts.

Between June 2007 and October 2009, GAI conducted a Phase I cultural resources survey, Phase II National Register Site Evaluation fieldwork, and field studies for a Criteria of Effects Evaluation for Architectural and Historical Resources within the approximately 893 acre (361 hectare) project Area of Potential Effect (APE). The purpose of the Phase I survey was to identify cultural resources within the project area, to evaluate the eligibility of identified architectural and historical resources for listing in the National Register of Historic Places (NRHP), and to provide recommendations on the potential National Register eligibility of identified archaeological sites. Phase II studies are being performed to conclusively determine NRHP eligibility of potentially-eligible archaeological sites that cannot be avoided by project construction. Phase II fieldwork was completed in October 2009 and laboratory analysis and report preparation are currently ongoing. The Criteria of Effects study is evaluating potential project impacts to NRHP-eligible architectural and historical resources. The results of cultural resources investigations completed to date, as summarized below, were presented in reports that have been reviewed by the Pennsylvania Historic and Museum Commission/Bureau for Historic Preservation (PHMC/BHP); the results of Phase II studies and the Criteria of Effects Evaluation will be presented in reports scheduled for submittal in 2010. Copies of these reports can be made available for your review upon request.

Phase I investigations of the project APE included background research, Phase Ia geomorphological and archaeological reconnaissance, Phase Ib archaeological survey (initial and supplemental), and an architectural survey. The Phase Ib survey identified 11 archaeological sites and 25 isolated archaeological finds within the project area. Based on Phase Ib results and PHMC/BHP's concurrence on site eligibility recommendations, seven of

conclusively determine their NRHP eligibility. As noted above, Phase II fieldwork for all seven sites has been completed and analysis and eligibility evaluations are in progress. The seven sites include six historic period sites (36LU279, 36LU280, 36LU281, 36LU283, 36LU285, and 36LU286) representing early to mid 19th century through 20th century occupations, and one Early Archaic through Early Woodland period prehistoric site (36LU288).

The architectural survey identified 52 architectural and historical resources within the project's viewshed. Based on Phase I results and PHMC/BHP review, 20 of these properties have been determined Not Eligible for listing in the NRHP. Concurrence on eligibility recommendations for the remaining properties is pending further review by PHMC/BHP. Six properties for which concurrence is pending are located within the footprint of proposed project construction. These six properties include three recommended as NRHP-Eligible—a stone arch bridge, portions of the North Branch Pennsylvania Canal, and portions of the Delaware, Lackawanna & Western Railway; and three recommended as Not Eligible—a farm, a house, and portions of the Susquehanna and Tioga Turnpike.

PPL and UniStar would like to extend an invitation to your organization to participate as a consulting party in this project. As a consulting party, you will have the opportunity to review mitigation plans and provide input on proposed mitigation actions. Please complete the attached Request for Consulting Party Status form and return it to my attention in the pre-addressed envelope. We kindly request the favor of your reply within 30 calendar days of receipt of this invitation. If you have any questions please feel free to contact me at 570-802-8102.

Respectfully,



Rocco R. Sgarro

- Enclosures: 1) Request for Consulting Party Status Bell Bend Nuclear Power Plant Project
Luzerne County, Pennsylvania
- 2) Bell Bend Nuclear Power Plant Site Topographic Map

RRS/kw

cc: Mr. Samuel J. Collins
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U.S. Nuclear Regulatory Commission
Region I
475 Allendale Road
King of Prussia, PA 19406-1415

Mr. Michael Canova
Project Manager
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Ms. Stacey Imboden
Project Manager
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Mr. Douglas McLearen
Division Chief
Pennsylvania Historical and Museum Commission
Bureau for Historic Preservation
Commonwealth Keystone Building, Second Floor
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Harrisburg, PA 17120-0093

Mr. Steve McDougal
Archaeologist
Pennsylvania Historical and Museum Commission
Bureau for Historic Preservation
Commonwealth Keystone Building, Second Floor
400 North Street
Harrisburg, PA 17120-0093

Enclosure 1

Request for Consulting Party Status
Bell Bend Nuclear Power Plant Project
Luzerne County, Pennsylvania

Request for Consulting Party Status

**Bell Bend Nuclear Power Plant Project
Luzerne County, Pennsylvania**

We, Luzerne County Historical Society by signature of an authorized representative below are
(check one box only):

- ☐ requesting to be considered a consulting party
- ☐ indicating that we do not want to be considered as a consulting party

for the purposes of consultation under 36 CFR §800.6 for the Bell Bend Nuclear Power Plant
Project, Luzerne County, Pennsylvania.

SIGNED

Name: Anthony T. P. Brooks

Title: Executive Director

Signature: _____

Date: _____

Please return an original signed copy of the form to the address below, retaining a copy for your
records.

PPL Bell Bend, LLC
38 Bomboy Lane, Suite 2
Berwick, PA 18603
Attn: R. R. Sgarro

Enclosure 2

Bell Bend Nuclear Power Plant
Site Topographic Map

Figure. Bell Bend Nuclear Power Plant Site Topographic Map



R. R. Sgarro
Manager, Nuclear Regulatory Affairs

PPL Bell Bend, LLC
38 Bomboy Lane, Suite 2
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Tel. 570.802.8102 FAX 570.802.8119
rrsgarro@pplweb.com



December 17, 2009

Berwick Historical Society
Jim Stout, President
102 East Second Street
Berwick, PA 18603-4827

**BELL BEND NUCLEAR POWER PLANT
INVITATION TO CONSULT AS AN
INTERESTED PARTY UNDER
SECTION 106 OF THE NATIONAL
HISTORIC PRESERVATION ACT
BNP-2009-405 Docket No. 52-039**

Dear Mr. Stout:

PPL Bell Bend, LLC (PPL) and UniStar Nuclear Development, LLC (UniStar) are proposing construction of a new nuclear power generating unit adjacent to PPL's existing Susquehanna Steam Electric Station (SSES) in Salem Township, Luzerne County, Pennsylvania (see figure in Enclosure 2). In accordance with Section 106 of the National Historic Preservation Act of 1966, as amended (NHPA), UniStar and PPL are soliciting consultation from interested local parties on the proposed Undertaking's impact on historic resources. GAI Consultants, Inc. (GAI) was contracted to assist in these efforts.

Between June 2007 and October 2009, GAI conducted a Phase I cultural resources survey, Phase II National Register Site Evaluation fieldwork, and field studies for a Criteria of Effects Evaluation for Architectural and Historical Resources within the approximately 893 acre (361 hectare) project Area of Potential Effect (APE). The purpose of the Phase I survey was to identify cultural resources within the project area, to evaluate the eligibility of identified architectural and historical resources for listing in the National Register of Historic Places (NRHP), and to provide recommendations on the potential National Register eligibility of identified archaeological sites. Phase II studies are being performed to conclusively determine NRHP eligibility of potentially-eligible archaeological sites that cannot be avoided by project construction. Phase II fieldwork was completed in October 2009 and laboratory analysis and report preparation are currently ongoing. The Criteria of Effects study is evaluating potential project impacts to NRHP-eligible architectural and historical resources. The results of cultural resources investigations completed to date, as summarized below, were presented in reports that have been reviewed by the Pennsylvania Historic and Museum Commission/Bureau for Historic Preservation (PHMC/BHP); the results of Phase II studies and the Criteria of Effects Evaluation will be presented in reports scheduled for submittal in 2010. Copies of these reports can be made available for your review upon request.

Phase I investigations of the project APE included background research, Phase Ia geomorphological and archaeological reconnaissance, Phase Ib archaeological survey (initial and supplemental), and an architectural survey. The Phase Ib survey identified 11 archaeological sites and 25 isolated archaeological finds within the project area. Based on Phase Ib results and PHMC/BHP's concurrence on site eligibility recommendations, seven of the 11 identified archaeological sites were concluded to be Potentially Eligible for listing in the NRHP. Because these seven potentially-eligible archaeological sites could not be avoided by proposed construction activities, Phase II National Register Site Evaluations were conducted to

conclusively determine their NRHP eligibility. As noted above, Phase II fieldwork for all seven sites has been completed and analysis and eligibility evaluations are in progress. The seven sites include six historic period sites (36LU279, 36LU280, 36LU281, 36LU283, 36LU285, and 36LU286) representing early to mid 19th century through 20th century occupations, and one Early Archaic through Early Woodland period prehistoric site (36LU288).

The architectural survey identified 52 architectural and historical resources within the project's viewshed. Based on Phase I results and PHMC/BHP review, 20 of these properties have been determined Not Eligible for listing in the NRHP. Concurrence on eligibility recommendations for the remaining properties is pending further review by PHMC/BHP. Six properties for which concurrence is pending are located within the footprint of proposed project construction. These six properties include three recommended as NRHP-Eligible—a stone arch bridge, portions of the North Branch Pennsylvania Canal, and portions of the Delaware, Lackawanna & Western Railway; and three recommended as Not Eligible—a farm, a house, and portions of the Susquehanna and Tioga Turnpike.

PPL and UniStar would like to extend an invitation to your organization to participate as a consulting party in this project. As a consulting party, you will have the opportunity to review mitigation plans and provide input on proposed mitigation actions. Please complete the attached Request for Consulting Party Status form and return it to my attention in the pre-addressed envelope. We kindly request the favor of your reply within 30 calendar days of receipt of this invitation. If you have any questions please feel free to contact me at 570-802-8102.

Respectfully,



Rocco R. Sgarro

Enclosures: 1) Request for Consulting Party Status Bell Bend Nuclear Power Plant Project
Luzerne County, Pennsylvania

2) Bell Bend Nuclear Power Plant Site Topographic Map

RRS/kw

cc: Mr. Samuel J. Collins
Regional Administrator
U.S. Nuclear Regulatory Commission
Region I
475 Allendale Road
King of Prussia, PA 19406-1415

Mr. Michael Canova
Project Manager
U.S. Nuclear Regulatory Commission
11555 Rockville Pike
Rockville, MD 20852

Ms. Stacey Imboden
Project Manager
U.S. Nuclear Regulatory Commission
11555 Rockville Pike
Rockville, MD 20852

Mr. Douglas McLearen
Division Chief
Pennsylvania Historical and Museum Commission
Bureau for Historic Preservation
Commonwealth Keystone Building, Second Floor
400 North Street
Harrisburg, PA 17120-0093

Mr. Steve McDougal
Archaeologist
Pennsylvania Historical and Museum Commission
Bureau for Historic Preservation
Commonwealth Keystone Building, Second Floor
400 North Street
Harrisburg, PA 17120-0093

Enclosure 1

Request for Consulting Party Status
Bell Bend Nuclear Power Plant Project
Luzerne County, Pennsylvania

Request for Consulting Party Status

**Bell Bend Nuclear Power Plant Project
Luzerne County, Pennsylvania**

We, Berwick Historical Society by signature of an authorized representative below are (check one box only):

- ☐ requesting to be considered a consulting party
- ☐ indicating that we do not want to be considered as a consulting party

for the purposes of consultation under 36 CFR §800.6 for the Bell Bend Nuclear Power Plant Project, Luzerne County, Pennsylvania.

SIGNED

Name: Jim Stout

Title: President

Signature: _____

Date: _____

Please return an original signed copy of the form to the address below, retaining a copy for your records.

PPL Bell Bend, LLC
38 Bomboy Lane, Suite 2
Berwick, PA 18603
Attn: R. R. Sgarro

Enclosure 2

Bell Bend Nuclear Power Plant
Site Topographic Map

Figure. Bell Bend Nuclear Power Plant Site Topographic Map



R. R. Sgarro
Manager, Nuclear Regulatory Affairs

PPL Bell Bend, LLC
38 Bomboy Lane, Suite 2
Berwick, PA 18603
Tel. 570.802.8102 FAX 570.802.8119
rrsgarro@pplweb.com



December 17, 2009

Society for Pennsylvania Archaeology
Frances Dorrance Chapter #11
Ted Baird, Chapter Representative
RR 6, Box 6070
Moscow, PA 18444

**BELL BEND NUCLEAR POWER PLANT
INVITATION TO CONSULT AS AN
INTERESTED PARTY UNDER
SECTION 106 OF THE NATIONAL
HISTORIC PRESERVATION ACT
BNP-2009-406 Docket No. 52-039**

Dear Mr. Baird:

PPL Bell Bend, LLC (PPL) and UniStar Nuclear Development, LLC (UniStar) are proposing construction of a new nuclear power generating unit adjacent to PPL's existing Susquehanna Steam Electric Station (SSES) in Salem Township, Luzerne County, Pennsylvania (see figure in Enclosure 2). In accordance with Section 106 of the National Historic Preservation Act of 1966, as amended (NHPA), UniStar and PPL are soliciting consultation from interested local parties on the proposed Undertaking's impact on historic resources. GAI Consultants, Inc. (GAI) was contracted to assist in these efforts.

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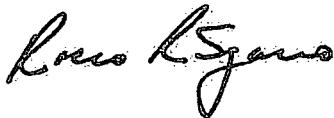
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Respectfully,



Rocco R. Sgarro

- Enclosures:
- 1) Request for Consulting Party Status Bell Bend Nuclear Power Plant Project Luzerne County, Pennsylvania
 - 2) Bell Bend Nuclear Power Plant Site Topographic Map

RRS/kw

cc: Mr. Samuel J. Collins
Regional Administrator
U.S. Nuclear Regulatory Commission
Region I
475 Allendale Road
King of Prussia, PA 19406-1415

Mr. Michael Canova
Project Manager
U.S. Nuclear Regulatory Commission
11555 Rockville Pike
Rockville, MD 20852

Ms. Stacey Imboden
Project Manager
U.S. Nuclear Regulatory Commission
11555 Rockville Pike
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Mr. Douglas McLearen
Division Chief
Pennsylvania Historical and Museum Commission
Bureau for Historic Preservation
Commonwealth Keystone Building, Second Floor
400 North Street
Harrisburg, PA 17120-0093

Mr. Steve McDougal
Archaeologist
Pennsylvania Historical and Museum Commission
Bureau for Historic Preservation
Commonwealth Keystone Building, Second Floor
400 North Street
Harrisburg, PA 17120-0093

Enclosure 1

Request for Consulting Party Status
Bell Bend Nuclear Power Plant Project
Luzerne County, Pennsylvania

Request for Consulting Party Status

**Bell Bend Nuclear Power Plant Project
Luzerne County, Pennsylvania**

We, Society for Pennsylvania Archaeology by signature of an authorized representative below are (check one box only):

- ☐ requesting to be considered a consulting party
- ☐ indicating that we do not want to be considered as a consulting party

for the purposes of consultation under 36 CFR §800.6 for the Bell Bend Nuclear Power Plant Project, Luzerne County, Pennsylvania.

SIGNED

Name: Ted Baird

Title: Chapter Representative

Signature: _____

Date: _____

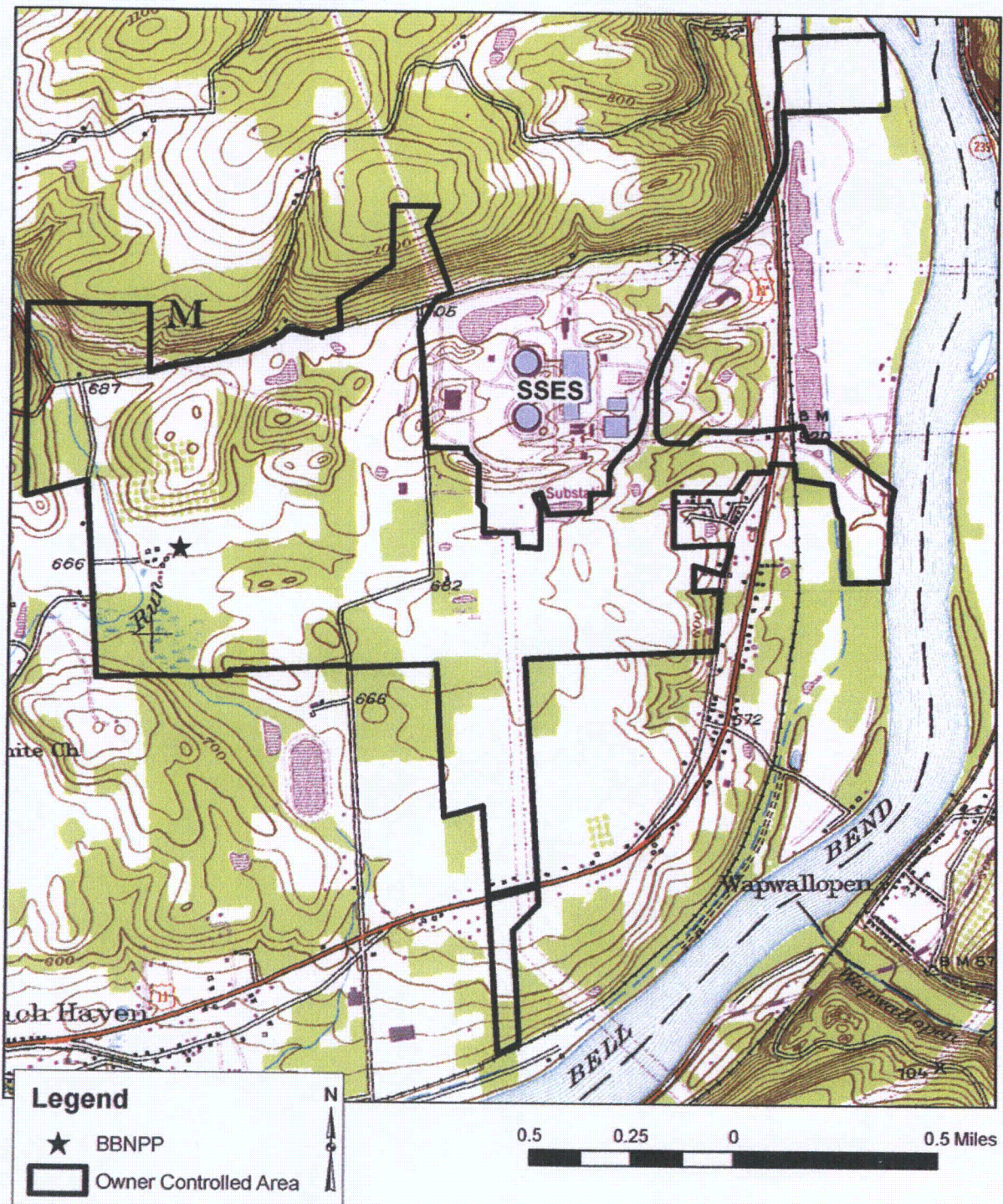
Please return an original signed copy of the form to the address below, retaining a copy for your records.

PPL Bell Bend, LLC
38 Bomboy Lane, Suite 2
Berwick, PA 18603
Attn: R. R. Sgarro

Enclosure 2

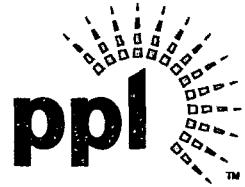
Bell Bend Nuclear Power Plant
Site Topographic Map

Figure. Bell Bend Nuclear Power Plant Site Topographic Map



R. R. Sgarro
Manager, Nuclear Regulatory Affairs

PPL Bell Bend, LLC
38 Bomboy Lane, Suite 2
Berwick, PA 18603
Tel. 570.802.8102 FAX 570.802.8119
rrsgarro@pplweb.com



December 17, 2009

Luzerne County Planning Commission
Adrian Merolli, Director
Penn Place
20 N. Pennsylvania Avenue
Wilkes-Barre, PA 18711

**BELL BEND NUCLEAR POWER PLANT
INVITATION TO CONSULT AS AN
INTERESTED PARTY UNDER
SECTION 106 OF THE NATIONAL
HISTORIC PRESERVATION ACT
BNP-2009-408 Docket No. 52-039**

Dear Mr. Merolli:

PPL Bell Bend, LLC (PPL) and UniStar Nuclear Development, LLC (UniStar) are proposing construction of a new nuclear power generating unit adjacent to PPL's existing Susquehanna Steam Electric Station (SSES) in Salem Township, Luzerne County, Pennsylvania (see figure in Enclosure 2). In accordance with Section 106 of the National Historic Preservation Act of 1966, as amended (NHPA), UniStar and PPL are soliciting consultation from interested local parties on the proposed Undertaking's impact on historic resources. GAI Consultants, Inc. (GAI) was contracted to assist in these efforts.

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Respectfully,



Rocco R. Sgarro

- Enclosures:
- 1) Request for Consulting Party Status Bell Bend Nuclear Power Plant Project Luzerne County, Pennsylvania
 - 2) Bell Bend Nuclear Power Plant Site Topographic Map

RRS/kw

cc: Mr. Samuel J. Collins
Regional Administrator
U.S. Nuclear Regulatory Commission
Region I
475 Allendale Road
King of Prussia, PA 19406-1415

Mr. Michael Canova
Project Manager
U.S. Nuclear Regulatory Commission
11555 Rockville Pike
Rockville, MD 20852

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Division Chief
Pennsylvania Historical and Museum Commission
Bureau for Historic Preservation
Commonwealth Keystone Building, Second Floor
400 North Street
Harrisburg, PA 17120-0093

Mr. Steve McDougal
Archaeologist
Pennsylvania Historical and Museum Commission
Bureau for Historic Preservation
Commonwealth Keystone Building, Second Floor
400 North Street
Harrisburg, PA 17120-0093

Enclosure 1

Request for Consulting Party Status
Bell Bend Nuclear Power Plant Project
Luzerne County, Pennsylvania

Request for Consulting Party Status

**Bell Bend Nuclear Power Plant Project
Luzerne County, Pennsylvania**

We, Luzerne County Planning Commission by signature of an authorized representative below are (check one box only):

- ☐ requesting to be considered a consulting party
- ☐ indicating that we do not want to be considered as a consulting party

for the purposes of consultation under 36 CFR §800.6 for the Bell Bend Nuclear Power Plant Project, Luzerne County, Pennsylvania.

SIGNED

Name: Adrian Merolli

Title: Director

Signature: _____

Date: _____

Please return an original signed copy of the form to the address below, retaining a copy for your records.

PPL Bell Bend, LLC
38 Bomboy Lane, Suite 2
Berwick, PA 18603
Attn: R. R. Sgarro

Enclosure 2

Bell Bend Nuclear Power Plant
Site Topographic Map

Figure. Bell Bend Nuclear Power Plant Site Topographic Map



R. R. Sgarro
Manager, Nuclear Regulatory Affairs

PPL Bell Bend, LLC
38 Bomboy Lane, Suite 2
Berwick, PA 18603
Tel. 570.802.8102 FAX 570.802.8119
rrsgarro@pplweb.com



December 17, 2009

Bucknell University
Dr. Katie Faull
Professor of German & Humanities
701 Moore Avenue
Lewisburg, PA 17837

**BELL BEND NUCLEAR POWER PLANT
INVITATION TO CONSULT AS AN
INTERESTED PARTY UNDER
SECTION 106 OF THE NATIONAL
HISTORIC PRESERVATION ACT
BNP-2009-409 Docket No. 52-039**

Dear Dr. Faull:

PPL Bell Bend, LLC (PPL) and UniStar Nuclear Development, LLC (UniStar) are proposing construction of a new nuclear power generating unit adjacent to PPL's existing Susquehanna Steam Electric Station (SSES) in Salem Township, Luzerne County, Pennsylvania (see figure in Enclosure 2). In accordance with Section 106 of the National Historic Preservation Act of 1966, as amended (NHPA), UniStar and PPL are soliciting consultation from interested local parties on the proposed Undertaking's impact on historic resources. GAI Consultants, Inc. (GAI) was contracted to assist in these efforts.

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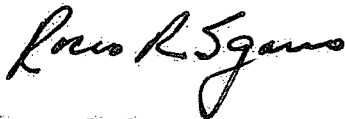
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Respectfully,



Rocco R. Sgarro

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- 1) Request for Consulting Party Status Bell Bend Nuclear Power Plant Project Luzerne County, Pennsylvania
 - 2) Bell Bend Nuclear Power Plant Site Topographic Map

RRS/kw

cc: Mr. Samuel J. Collins
Regional Administrator
U.S. Nuclear Regulatory Commission
Region I
475 Allendale Road
King of Prussia, PA 19406-1415

Mr. Michael Canova
Project Manager
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Bureau for Historic Preservation
Commonwealth Keystone Building, Second Floor
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Enclosure 1

Request for Consulting Party Status
Bell Bend Nuclear Power Plant Project
Luzerne County, Pennsylvania

Request for Consulting Party Status

**Bell Bend Nuclear Power Plant Project
Luzerne County, Pennsylvania**

We, Bucknell University by signature of an authorized representative below are (check one box only):

- ☐ requesting to be considered a consulting party
- ☐ indicating that we do not want to be considered as a consulting party

for the purposes of consultation under 36 CFR §800.6 for the Bell Bend Nuclear Power Plant Project, Luzerne County, Pennsylvania.

SIGNED

Name: Dr. Katie Faulk

Title: Professor of German & Humanities

Signature: _____

Date: _____

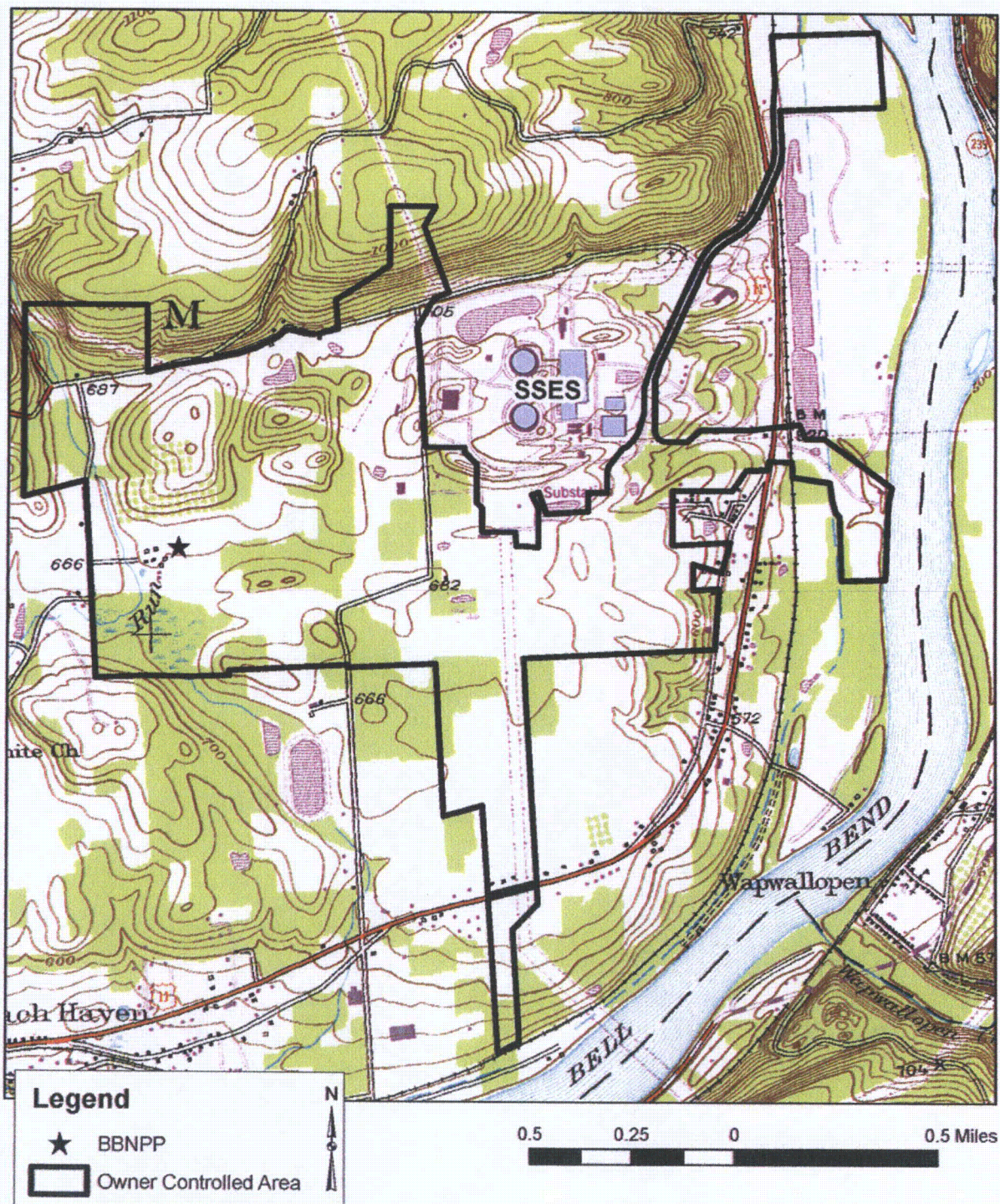
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PPL Bell Bend, LLC
38 Bomboy Lane, Suite 2
Berwick, PA 18603
Attn: R. R. Sgarro

Enclosure 2

Bell Bend Nuclear Power Plant
Site Topographic Map

Figure. Bell Bend Nuclear Power Plant Site Topographic Map



R. R. Sgarro
Manager, Nuclear Regulatory Affairs

PPL Bell Bend, LLC
38 Bomboy Lane, Suite 2
Berwick, PA 18603
Tel. 570.802.8102 FAX 570.802.8119
rrsgarro@pplweb.com



January 7, 2010

Salem Township Supervisor
Robert M. Pearce, Chairman
Township of Salem
P.O. Box 405, 38 Bomboy Lane
Berwick, PA 18603

**BELL BEND NUCLEAR POWER PLANT
INVITATION TO CONSULT AS AN
INTERESTED PARTY UNDER
SECTION 106 OF THE NATIONAL
HISTORIC PRESERVATION ACT
BNP-2010-006 Docket No. 52-039**

Dear Mr. Pearce:

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Respectfully,



Rocco R. Sgarro

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Luzerne County, Pennsylvania
- 2) Bell Bend Nuclear Power Plant Site Topographic Map

RRS/kw

cc: Mr. Samuel J. Collins
Regional Administrator
U.S. Nuclear Regulatory Commission
Region I
475 Allendale Road
King of Prussia, PA 19406-1415

Mr. Michael Canova
Project Manager
U.S. Nuclear Regulatory Commission
11555 Rockville Pike
Rockville, MD 20852

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Commonwealth Keystone Building, Second Floor
400 North Street
Harrisburg, PA 17120-0093

Enclosure 1

Request for Consulting Party Status
Bell Bend Nuclear Power Plant Project
Luzerne County, Pennsylvania

Request for Consulting Party Status

**Bell Bend Nuclear Power Plant Project
Luzerne County, Pennsylvania**

We, Salem Township Supervisors by signature of an authorized representative below are
(check one box only):

- ☐ requesting to be considered a consulting party
- ☐ indicating that we do not want to be considered as a consulting party

for the purposes of consultation under 36 CFR §800.6 for the Bell Bend Nuclear Power Plant
Project, Luzerne County, Pennsylvania.

SIGNED

Name: Robert M. Pearce

Title: Chairman

Signature: _____

Date: _____

Please return an original signed copy of the form to the address below, retaining a copy for your
records.

PPL Bell Bend, LLC
38 Bomboy Lane, Suite 2
Berwick, PA 18603
Attn: R. R. Sgarro

Enclosure 2

Bell Bend Nuclear Power Plant
Site Topographic Map

Figure. Bell Bend Nuclear Power Plant Site Topographic Map



Request for Consulting Party Status

**Bell Bend Nuclear Power Plant Project
Luzerne County, Pennsylvania**

We, Society for Pennsylvania Archaeology by signature of an authorized representative below are (check one box only):

- ☒ requesting to be considered a consulting party
- ☐ indicating that we do not want to be considered as a consulting party

for the purposes of consultation under 36 CFR §800.6 for the Bell Bend Nuclear Power Plant Project, Luzerne County, Pennsylvania.

SIGNED

Name: Ted Baird

Title: Chapter Representative

Signature: 

Date: 12/29/09

Please return an original signed copy of the form to the address below, retaining a copy for your records.

PPL Bell Bend, LLC
38 Bomboy Lane, Suite 2
Berwick, PA 18603
Attn: R. R. Sgarro