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VP-Bell Bend Project-Development

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November 18, 2008

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

ATTN: Michael R. Johnson, Director  
Office of New Reactors

***NRC Project #762***                      ***BNP-2008-005***  
PPL Bell Bend, LLC – Bell Bend Nuclear Power Plant  
**SUPPLEMENTAL INFORMATION FOR THE COMBINED LICENSE  
APPLICATION FOR THE BELL BEND NUCLEAR POWER PLANT**

References: 1) Application for Combined License for the Bell Bend Nuclear Power Plant,  
dated October 10, 2008

PPL Bell Bend, LLC submitted an application for a combined license for the Bell Bend Nuclear Power Plant in Letter BNP-2008-002, dated October 10, 2008. During application preparation, additional land was purchased in an effort to avoid impacts to on-site wetlands. The results of the Cultural Resources Phase 1a study for the additional property were included in the application; however, at that time the Phase 1b study had not yet been completed. PPL Bell Bend committed to transmit the results of the Phase 1b study for the additional property by November 20, 2008. Additionally, groundwater elevation and water quality data for the months of October 2007 through June 2008 were included in the application. PPL Bell Bend also committed to transmit the results of the final quarter (through September 2008) by November 20, 2008. The additional information is provided in attachments to this letter.

Cultural Resources

The Supplemental Phase 1b archaeological investigations covered approximately 115 acres (46.5 hectares) of moderate to high archaeological potential within the 263-acre (106-hectare) project area. Phase 1b fieldwork consisted of the excavation of 1,937 shovel test pits. The Supplemental Phase 1b survey identified no archaeological sites or isolated finds within the project area. Shovel testing produced just four historic artifacts, all representing field or roadway scatters. Based on these results, no further archaeological investigations of the additional property were recommended.

The Supplemental Phase 1b project area included seven architectural and historical resources identified during the previous architectural survey, two of which, a stone arch bridge and the roadway associated with Susquehanna and Tioga Turnpike (U.S. Route 11), have been recommended as eligible for listing in the National Register of Historic Places. A copy of the Supplemental Phase 1b Cultural Resources Survey is included as Attachment 1 to this letter. This report will be included in the next revision to the combined license application.

DOT9  
MRO

Hydrology

The groundwater elevation and water quality data for the fourth quarter are consistent with the information provided in the original submittal. Environmental Report Table 2.3-19, Monthly Groundwater Elevation Measurements, BBNPP, and Table 2.3-20, Monthly Surface Water Elevation Measurements, BBNPP, will be updated to include the fourth quarter data as part of the next revision. Tables illustrating the changes are provided as Attachment 2 to this letter. Environmental Report Table 2.3-44, BBNPP Groundwater Quality Data, Field Measurements, identifies sample dates and summarizes analysis results. Additional rows identifying the recent sample dates and results for the monitoring locations will be added to the table as part of the next revision to the combined license application. A table illustrating the changes is provided as Attachment 3 to this letter. While updating the table, it was noted that the values in the column for Total Dissolved Solids (TDS) were provided in grams per liter (g/l) vice milligrams per liter (mg/l). These values have been adjusted to reflect the appropriate units of milligrams per liter in accordance with the units identified for the column.

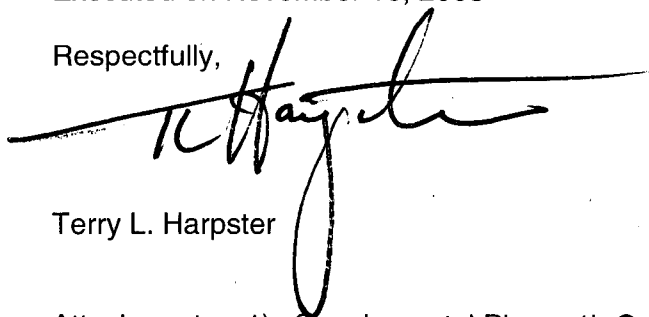
Environmental Report Table 2.3-21, Horizontal Hydraulic Gradients and Table 2.3-22, Vertical Hydraulic Gradients and Flow Directions do not include the fourth quarter data. This information was included in Final Safety Analysis Report Table 2.4-52, Horizontal Hydraulic Gradients and Table 2.4-53, Vertical Hydraulic Gradients and Flow Directions in the initial submittal. The corresponding tables in the Environmental Report will be updated to include this information as part of the next revision to the combined license application.

If you have any questions, please contact Mr. Rocky Sgarro, Manager – Nuclear Regulatory Affairs at 570.802.8102.

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

Executed on November 18, 2008

Respectfully,



Terry L. Harpster

- Attachments:
- 1) Supplemental Phase 1b Cultural Resources Investigation
  - 2) Environmental Report Table 2.3-19, Monthly Groundwater Elevation Measurements, BBNPP
  - 3) Environmental Report Table 2.3-44, BBNPP Groundwater Quality Data, Field Measurements

cc: (w/ attachments)

Mr. Samuel J. Collins  
Regional Administrator  
U.S. Nuclear Regulatory Commission  
Region I  
475 Allendale Road  
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bcc: M. Caverly  
T. Harpster  
G. Kuczynski  
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R. Sgarro  
G. Gibson  
G. Wrobel

Attachment 1

Supplemental Phase 1b Cultural Resources Investigation