



AREVA NP Inc.

38-7011590-000

Addendum Report Third Supplemental Phase I Cultural Resources Investigation

Bell Bend Nuclear Power Plant
Luzerne County, Pennsylvania
ER 81-0658-079

Prepared for:

AREVA NP Inc.
and
UniStar Nuclear Energy, LLC

Prepared by:

Barbara A. Munford, M.A.
GAI Consultants Inc.
385 East Waterfront Drive
Homestead, Pennsylvania

GAI Project No. C110841.00

September 15, 2011

*Note 1: Items in brackets have
been redacted per agency
request.*

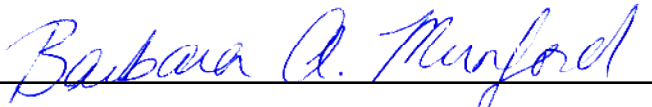


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Abstract

In July and August 2011, GAI Consultants, Inc. (GAI) conducted Third Supplemental Phase I cultural resources investigations of new project localities within PPL Bell Bend (PPL)'s proposed Bell Bend Nuclear Power Plant (BBNPP), Luzerne County, Pennsylvania. This study was performed for AREVA NP Inc. (AREVA) on behalf of UniStar Nuclear Energy (UniStar). The supplemental project area totaled approximately 25.7 acres (10.4 hectares) and consisted of five parcels: Area 1, Area 7 North, Area 12, Area 13 East (Excess Cut Disposal Area), and Area 14. The Phase I Area of Potential Effect (APE) included approximately 24.3 acres (9.8 hectares) of uplands and 1.4 acres (0.6 hectares) of low terrace/floodplain settings adjacent to previously-surveyed portions of the BBNPP project area. PPL proposes construction activities resulting in both temporary and permanent impacts (e.g., timbering, grading, fill, construction lay down, and roadway construction) within portions of the supplemental project area.

GAI's Third Supplemental Phase I study included a background research review, an archaeological reconnaissance, and Phase Ib field investigations. Fieldwork consisted of the excavation of 71 shovel test pits in localities of moderate to high archaeological potential.

Phase Ib shovel testing produced 22 modern/historic artifacts and resulted in the identification of one historic period archaeological site (Site 36LU307) within the project area.

The supplemental Phase I study area encompassed a portion of one previously-recorded National Register-eligible architectural resource [the North Branch Pennsylvania Canal (141673/GAI-10)]. It also included three previously recorded architectural resources determined Not Eligible for listing in the National Register of Historic Places (NRHP): a portion of the Bloomsburg Division of the Delaware, Lackawanna & Western Railway (155053/GAI-11); portions of the Susquehanna and Tioga Turnpike (155056/GAI-12); and a residence (GAI-23). These resources were documented by a previous GAI architectural survey of the BBNPP project area and no additional investigations were conducted during the current study.

Based on the results of this study, GAI recommends that Site 36LU307, a low density twentieth century artifact scatter, is Not Eligible for listing in NRHP. No further archaeological investigations are recommended for this site. As noted in previous submittals, GAI recommends that an assessment of project impacts to the NRHP-eligible North Branch Pennsylvania Canal be conducted and results presented in a separate Criteria of Effects Evaluation Report for architectural and historic resources identified within the BBNPP project area.