

Request for Additional Information No. 5023
Letter Number 2010003
Application Revision 2

9/7/2010

Bell Bend
PPL Bell Bend LLC.
Docket No. 52-039
EIS 9.4 - System Design Alternatives
Application Section: ER PART 3

QUESTIONS for Environmental Projects Branch 3 (RAP3)

EIS 9.4-4

This RAI is related to the second alternative sites audit information need H-4.

Provide a report on the economics of dry and hybrid cooling towers at the BBNPP site that takes into account the cost and availability of makeup water. The response should include quantitative estimates of water costs, especially during drought periods. Also, provide the details of the technical analyses for dry and hybrid cooling towers, citing the bases for estimates of costs and efficiencies.

Full Text (Supporting Information)

Applicant's economic study of alternative cooling towers*, which was made available to the review team at the alternative sites audit, did not appear to account realistically for the cost associated with supplying water during drought periods.

* Sargent and Lundy report 2008-06824, "Engineering and economic evaluation of integrated heat rejection cycle, BBNPP Nuclear Power Plant", UniStar Nuclear Energy, April 2008.