

Request for Additional Information No. 5036
Letter Number 2010010
Application Revision 2

DRAFT

8/23/2010

Bell Bend
PPL Bell Bend LLC.
Docket No. 52-039
EIS 9.3 - Alternative Sites
Application Section: ER PART 3

QUESTIONS for Environmental Projects Branch 3 (RAP3)

EIS 9.3-29

This RAI is related to the second alternative sites audit information need H-1.

Provide a report listing impacted surface waters (i.e., those waters that appear in a 303(d) list) that are within the region of interest of each of the alternative sites and the preferred site, either upstream or downstream from each site.

Full Text (Supporting Information)

Applicant should provide references to Water Quality Monitoring and Assessment reports on the Pennsylvania Department of Environmental Protection (PADEP) and Environmental Protection Agency (EPA) websites that cover the preferred and alternative sites. The Region of Interest (ROI) for surface water may extend further than other ROI's; e.g., from the headwaters of the Susquehanna River, to the Chesapeake Bay. The applicant should justify the choice of ROI.

EIS 9.3-30

This RAI is related to the second alternative sites audit information need H-2.

Provide information on the likely sources of construction water at each alternative site. This should include the availability of municipal or private water supplies, use of groundwater, and water trucked-in.

EIS 9.3-31

This RAI is related to the second alternative sites audit information need H-5.

Provide revised analysis demonstrating that the use of 50 Mgd total withdrawal as opposed to 31 Mgd consumptive use at the preferred and alternative sites is an acceptable approach for site screening.

Full Text (Supporting Information)

Applicant stated that they will revise the ER and ASER to clarify the use of this screening criterion.

EIS 9.3-32

This RAI is related to the second alternative sites audit information need H-6.

Provide the basis for the bypass flow at the preferred and alternative sites.

Full Text (Supporting Information)

The SRBC states that the bypass flow anywhere on a river must be at least 10% of the 7Q10 flow, but also could require the generally higher minimum flow of 20% of Average Daily Flow. The outcome of this RAI response depends on the IFIM study and the applicant's resolution with SRBC over the need for augmentation flow.

EIS 9.3-33

This RAI is related to the second alternative sites audit information need H-7.

Provide contingency plans to supply water for bypass flow for each of the alternative sites and the preferred site. These plans should include (1) sources of bypass flow water, (2) their potential reliable yield during drought conditions for each source; and (3) diversions from other power plants or water consumers in the Susquehanna River basin necessary to supply bypass flow.

Full Text (Supporting Information)

Each of the alternative sites and the preferred site would withdraw water from Susquehanna River basins that are either fully committed during droughts, or would become so with the additional water needs for a new plant. In the absence of results from the ongoing IFIM study that would support additional withdrawals during droughts, augmenting flow to the river would be needed to provide bypass flow in the river; e.g., 10% of the 7Q10 flow. Outcome of this RAI response relies on completion of the IFIM study and finalization of plans for allocation of augmentation water.

EIS 9.3-34

This RAI is related to the second alternative sites audit information need H-8.

Provide the re-analysis of the ranking for the preferred and alternative sites based on the fraction of 7Q10 flow available for bypass flow. The analysis should be statistically based on the total available flow record for each site.

Full Text (Supporting Information)

Applicant presented their re-analysis at the second alternative site visit.