

## BellBendEnveRAIPEm Resource

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**From:** Quinn-Willingham, Laura  
**Sent:** Wednesday, September 05, 2012 3:16 PM  
**To:** Sgarro, Rocco R  
**Cc:** Hsia, Anthony; Hibler, Lyle F; Mcdowell, Bruce K; Leigh, Kimberly D; Richard Codell; rcodell@comcast.net; Tom Grant (tgrant@numarkassoc.com); Goldin, Laura; Haque, Mohammad; BellBendEnveRAIPEm Resource  
**Subject:** Bell Bend Final RAI for Hydrology  
**Attachments:** ENV-07 RAI\_6773 HY.pdf

Please find attached RAI Env-07 for the Bell Bend COL application. The ENV-07 RAI is an aggregate of the draft hydrology RAIs (HY-1 and HY-5) that were provided to you on August 13, 2012 as part of a complete table of draft RAIs. There was no request for a clarification discussion of these draft RAIs. No other changes are necessary; hence we are issuing this RAI as final.

The schedule we have established to the review of your application assumes technically correct and complete responses within 30 calendar days of receipt of RAIs. For any RAIs that cannot be responded to within 30 calendar days, it is expected that a date for receipt of this information will be provided to the staff within the 30-day period so that the staff can assess how this information might impact the schedule.

Please contact me if you have any questions.

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**Received Date:** 9/5/2012 3:15:43 PM  
**From:** Quinn-Willingham, Laura

**Created By:** Laura.Quinn-Willingham@nrc.gov

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## Request for Additional Information ENV-07

Issue Date: 9/5/2012

Application Title: Bell Bend Environmental Review Docket Number 52-039

Operating Company: PPL Bell Bend LLC.

Docket No. 52-039

Review Section: EIS 4.2 - Water-Related Impacts

Application Section: Part 3 - Environmental Report

### QUESTIONS

#### EIS 4.2-2

Provide details of the placement and eventual disposition of the slurry wall that will be used for construction of the Essential Service Water Emergency Makeup System (ESWEMS) pond. Describe how the slurry wall will be perforated or otherwise made ineffective after construction of the pond, and how groundwater flow to streams, sloughs and wetlands would be affected by any remnants of the slurry wall.

#### Supplemental Information:

ESRP Section 4.2.1 directs the staff's identification, analysis, and description of hydrologic alterations resulting from proposed project construction and construction activities. ESRP Section 4.3.2 directs the staff's description, quantification, and assessment of the impacts of construction of the proposed facilities on the aquatic ecosystem. In ER Sections 2.3.2.2.11, 4.2.1.5 and 4.3.1.6, the applicant states that a slurry wall would be used during construction of the ESWEMS pond to reduce dewatering needs and to protect nearby streams and wetlands.

The applicant indicated during the May 2012 environmental site audit that the slurry wall would be perforated to allow a normal groundwater flow to be re-established. However, the ER makes no mention of this perforation, or how the remnants of the slurry wall might still affect the groundwater.

This was Info Need HY-1

#### Acceptance Criteria:

ESRP Sections 4.2.1 and 4.3.2

#### EIS 4.2-3

Provide clarification of water sources to be used during the construction of Bell Bend. Section 4.2.1.3 of the ER states "the potential sources of water for construction include local municipal water, Susquehanna River water, and offsite water trucked to the construction site."

- 1) Would "local municipal water" for construction come from the Berwick District of Pennsylvania American Water Company? If not, identify the source(s).
- 2) What would be source of "offsite water trucked to site"? How long is this expected to be needed?
- 3) If Susquehanna River water will be used for construction, describe how/where it would be obtained, what it would be used for, how much and for what duration?

#### Supplemental Information:

ESRP 2.3.2 directs the staff to evaluate surface-water and groundwater uses that could be affected by the construction of the proposed project, as a basis for assessing the impacts of proposed project construction on consumptive and nonconsumptive water uses.

This was Info Need HY-5 in the draft RAI table, which is a new Info Need from the site audit.

Acceptance Criteria:  
ESRP Sections 2.3.2, 3.3.1, and 4.2.1