

BellBendEnveRAIPEm Resource

From: Quinn-Willingham, Laura
Sent: Friday, January 04, 2013 10:16 AM
To: Sgarro, Rocco R
Cc: Hibler, Lyle F; Nancy Kohn (nancy.kohn@pnnl.gov); Kimberly D Leigh; Bruce K Mcdowell
Subject: Final RAI Follow-up HY-5_Pipeline
Attachments: ENV-22 RAI_6941_HY Pipeline.pdf

Rocky,

Please find attached final RAI Env-22 for the Bell Bend COL application. The ENV-22 RAI is a follow-up to RAI HY-5 that is related to water pipeline impacts. No clarification discussion was requested on the draft RAI; therefore the RAI is being issued as final.

The NRC assumes technically correct and complete responses within 30 calendar days of receipt of final 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.

Thanks,

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Options

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Request for Additional Information ENV-22

Issue Date: 12/6/2012

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

QUESTION

EIS 4.2-4

ESRP Section 4.2.1 directs the staff to identify, analyze and describe the hydrologic alterations resulting from construction activities at the site, transmission line corridors, and other offsite areas. Specifically, ESRP Section 4.2.1 request that the staff identify and describe construction activities such as site preparation, plant construction, transmission corridor clearing and transmission line construction, and offsite construction that could result in hydrologic alterations, and the physical effects of these alterations on other water users. This section also directs staff to cooperate with the land use, water use, terrestrial ecology, and aquatic ecology reviewers (ESRP Sections 4.1.1, 4.2.2, 4.3.1, and 4.3.2) in determining the extent and magnitude of resulting impacts and evaluating means of mitigation. ESRP Section 5.2.1 directs the staff's identification, analysis, and description of hydrologic alterations resulting from plant operation and the staff's analysis of the adequacy of the water sources proposed to supply plant water needs.

The staff did not find PPL's description of the proposed pipeline for construction water in the environmental report or in the response to request for additional information HY-5 (BNP-20012-199 dated 8/27/2012 ML12249A038) to be sufficient for the NRC staff to evaluate its environmental impact.

Therefore, please describe details of the water pipeline connecting the public utility to the Bell Bend site that will be used during construction, and indicate whether this pipeline will be the same pipeline used for potable water supply during operation of the plant following construction.

Additionally, please indicate whether the public utility has the additional capacity to provide the amount of water needed for construction and operation uses (during construction peak water demand is up to 1200 gpm and an average construction use is estimated at 250 gpm according to the Section 4.2.1.3 of the ER; during operation potable/sanitary water use is estimated to be 236 gpm according to ER Section 3.3 and Table 3.3-1). Describe such details as the pipeline length and routing, including any stream crossings; whether new right(s)-of-way would be needed; pipeline size; installation activities/methods; approximate acres of lands affected by type, including wetlands; the environmental impacts of construction of the pipeline both on and off the site; and permanent effects of the pipeline following construction. Also describe the routing, size, and all environmental impacts of construction and operation of any proposed sewer pipelines between proposed plant facilities and the Berwick Area Joint Sewer Authority. Indicate whether sanitary facilities connected to the public utility would be used during the construction period. Provide GIS shapefiles and associated

metadata for the proposed new potable water pipeline route from source to BBNPP site, proposed potable water pipeline route(s) on the BBNPP site, and any proposed sewer pipeline routes on and off the BBNPP site.

Acceptance Criteria:

ESRP Section 4.2.1, 4.1.1, 4.2.2, 4.3.1, 4.3.2 and 5.2.1