

From: "Monette, Frederick A." <fmonette@anl.gov>
To: "Alicia Mullins" <AXM7@nrc.gov>
Date: Mon, Oct 9, 2006 5:09 PM
Subject: Argonne SSES ER Acceptance Review

Alicia,

Please find attached the results of Argonne's acceptance review of the Susquehanna ER. Please let me know if you have any questions.

Fred

<<SSES ER Acceptance Review.doc>>

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Acceptance Review of the Susquehanna Steam Electric Station Environmental Report for License Renewal

The Argonne SEIS team has reviewed the Susquehanna Steam Electric Station Environmental Report for License Renewal to determine acceptability in meeting the requirements of 10 CFR 51.45. The staff believes that the ER meets these requirements, provided that the applicant provides additional information to supplement the ER.

As we discussed, we are scheduled to submit a comprehensive list of additional data and information needs in February. However, for your information, some of the areas for which the ER did not provide sufficient information and for which additional information will be required are summarized below:

- Section 2.1, *Location and Features*, and Section 3.1.1, *Reactor and Containment Systems*, are unusually brief.
- Additional information on the extended power uprate, including the EA and FONSI (if issued), are required when available.
- The applicant provided a redacted version of the FSAR, and deleted at least one section important for writing the SEIS (the section on gaseous radioactive waste management in Chapter 11). The complete FSAR should be provided.
- The ER does not adequately describe regional climatology (e.g. annual and seasonal mean temperatures, historically high rain and snow events) and local meteorology for the plant (e.g., annual and seasonal predominant wind speed and direction).
- No discussion of transient populations and the area economic base were provided.
- No description was provided as to the height, color, or visibility of the facilities and structures and from what distances and locations they can be seen. Appendix A referenced that a discussion of Issue 73 (Aesthetic impacts) would be found in Section 4.0, but it could not be found.
- No information is provided regarding plant and cooling tower noise and what can be heard at the site boundaries or in the Riverlands Recreation Area. Appendix A referenced that a discussion of Issue 58 (Noise) would be found in Section 4.0, but it could not be found.
- There is no mention of Federal facilities and lands within a 50-mile proximity to the Susquehanna site.
- Site land cover/land use percentages are missing – there are no descriptions or percentages for land cover categories, such as, open area, forests, facilities and structures, parking areas, water (ponds, lakes, canal – whether natural or

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manmade), and visitor or recreation areas.

- The ER does not include descriptions and locations of streams and wetlands on site and along transmission lines.
- The NPDES portion of the ER (Attachment F) only contains the cover sheet and approval letter.

Note that I will be out of the office through Friday October 13. If you have any questions, please call me on my cell phone at 630-991-3253, or you can call Kirk LaGory at 630-252-3169.

Fred Monette

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