

PMFermiCOLPEm Resource

From: Brad Harvey
Sent: Thursday, December 18, 2008 10:25 AM
To: Stephen Lemont
Cc: Charles Cox; FermiCOL Resource
Subject: RE: Request for Review - Fermi 3 Site Audit Draft Information Needs

Steve:

This revised "information needs" document makes a lot more sense to me.

Several comments are provided below. Please let me know if you have any questions.

Brad
415-4118

1. Some of what is asked for regarding computer modeling is repetitive. This may be O.K.; your call. For example,

GE-7 Please have copies of the calculation packages available for review for the PAVAN, XOQDOQ, LADTAP, GASPAP, SACTI and CORMIX models.

AQ-5 Provide input and output data (including original and processed meteorological data) used for the X/Q and D/Q calculations presented in Section 2.7.4 (for the PAVAN and XOQDOQ models).

AQ-9 Provide input and output data (including original and processed meteorological data) used for the X/Q calculations and cooling tower impact analysis presented in Section 5.3.3 (for the SACTI model).

HH-1 Please provide input and output data, calculation packages, and a knowledgeable expert who can discuss application of the following computer codes: LADTAP, GASPAP, XOQDOQ

2. Consider revising Item AQ-13 to read as follows:

AQ-13 Provide a meeting with (1) individual(s) that have written the meteorological monitoring section (Section 6.4) and (2) the staff that operate and maintain the meteorological equipment. This should include a tour of the meteorological equipment and discussions regarding:

- Meteorological sensors (e.g., sensor types, manufacturer and model numbers, performance characteristics)
- Instrument surveillance (e.g., inspection, maintenance, and calibration activities and frequencies)
- Data acquisition and reduction (e.g., type of recorders, sampling frequencies, averaging times/algorithms, system accuracy, data review procedures)

3. Item AQ-2 requests the following:

AQ-2 Provide a tour of the following: Nearby sensitive receptors (e.g., residences, schools, hospitals, nursing homes, daycare centers)

I'm not sure how this is applicable to the Air Quality/Meteorology/Noise. Regarding Meteorology, for the purposes of calculating doses to the maximally exposed individual (MEI) from routine airborne effluents, special receptors of interest are defined as site boundary and the nearest resident, vegetable garden, milk animal, and meat animal in each downwind sector. I think this is covered by Item HH-5 which states:

HH-5 Please provide someone knowledgeable to discuss the distances from the proposed reactor to the nearest site boundary for each radial sector, and the location of the nearest residence, milk cow, milk goat, meat animal, and vegetable garden larger than 50 m² to a distance of 5 miles.

Likewise, I don't have any experience with Noise evaluations, but I don't think **tours** of schools, hospitals, nursing homes, and daycare centers would provide any value.

From: Stephen Lemont

Sent: Wednesday, December 17, 2008 6:12 PM

To: Paul Michalak; Peyton Doub; Nebiyu Tiruneh; Jill Caverly; Henry Jones; Laurel Bauer; Michael Masnik; Daniel Mussatti; John Cook; Kevin Witt; Brad Harvey; Robert Kellner; Stephen Williams; Richard Emch; James Shepherd; Bruce Watson; Stan Echols; Jay Lee; Edward Fuller; Mark Caruso

Cc: Michelle Moser; Katherine Streit

Subject: Request for Review - Fermi 3 Site Audit Draft Information Needs

Importance: High

TO FERMI 3 NRC ENVIRONMENTAL REVIEW TEAM MEMBERS:

The draft "Information Needs" for the February 2-6, 2009 Fermi 3 Site Audit are attached for your review and comment. These has been prepared by Argonne (assisted by its commercial partner, ERI), at my request. These are the Information Needs which, following our internal review, will be sent by me to the applicant, Detroit Edison; and will serve as the basis, in part, for our discussions with the applicant and its consultants at the site audit. These Information Needs will also go into ADAMS. Please note that the Information Needs current attachment is different from what I sent for your review on 12/10/08, but is based, in part, on what was in the 12/10 materials and the comments I received from you on those materials.

Also attached for your reference and use are: (a) PNNL's Information Needs Table from the Acceptance Review (AR) ("Fermi Table 2"), and (b) the Fermi 3 Environmental Review Team list showing your respective review areas. Please note that not everything in PNNL's AR table need be included in the Site Audit Information Needs--that is, the Site Audit Information Needs list is usually a shorter list, but should still be complete in terms of what we need to complete our environmental review and the EIS.

I am requesting that you please review the items in the attachment for your respective discipline/review areas, and to provide me with any written comments or suggested changes you may have by COB Tuesday, December 23, 2008. Please also let me know if you have no comments. Please feel free to mark up the Information Needs table itself. Charge your time to **TAC# RE9861** for this effort.

NOTE: This review by us is very important because Argonne and ERI are new to conducting environmental reviews for new reactor projects.

NOTE TO JAMES SHEPHERD AND BRUCE WATSON: There are no Info Needs listed for Decommissioning, but if you believe there should be some, please let me know what those are.

Please contact me if you have any questions or need additional information. Thank you for your cooperation and prompt attention to this matter.

Sincerely,
Steve

Stephen Lemont, Ph.D.

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Hearing Identifier: Fermi_COL_Public
Email Number: 2

Mail Envelope Properties (D841D501B2C4D244B75AB897F70C149484F685B162)

Subject: RE: Request for Review - Fermi 3 Site Audit Draft Information Needs
Sent Date: 12/18/2008 10:25:03 AM
Received Date: 12/18/2008 10:25:05 AM
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Files	Size	Date & Time
MESSAGE	5917	12/18/2008 10:25:05 AM

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Priority: Standard
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