

PMSTPCOL PEmails

From: Eudy, Michael
Sent: Thursday, July 23, 2009 5:41 PM
To: scstephens@STPEGS.COM; fjpuleo@stpegs.com
Cc: STPCOL
Subject: STP Chp 12 Draft RAIs 3101
Attachments: RAI 3101.doc

Importance: High

Scott,

Here are advanced draft RAIs for your review. If you want to set up a telecon to discuss these with our technical staff before we issue them, then please advise as soon as possible. If I do not hear from you by C.O.B. Thursday 7/30/09, then I will begin our RAI issuance process on Friday 7/31/09. Thank you.

Michael A. Eudy - Project Manager
U.S. Nuclear Regulatory Commission
NRO/DNRL/NGE1&2
301-415-3104

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Created By: Michael.Eudy@nrc.gov

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Options

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Request for Additional Information No. 3101 Revision 2

South Texas Project Units 3 and 4
South Texas Project Nuclear Operating Co
Docket No. 52-012 and 52-013
SRP Section: 12.03-12.04 - Radiation Protection Design Features
Application Section: 12.4

QUESTIONS for Health Physics Branch (CHPB)

12.03-12.04-***

RG 1.206, Section C.I.12.3.5 requests that an applicant should provide estimated annual dose to construction workers in a new unit construction area, as a result of radiation from onsite sources from the existing operating plant(s). The applicant should provide bases, models, assumptions, and input data.

STP 3 & 4 COL FSAR section 12.3.8 provides a description of the potential sources of exposure to construction workers and comparison to the limits in 10 CFR 20.1301 and 40 CFR 190.10 for members of the public. However, the COL FSAR does not contain the bases, models and assumptions used to calculate construction worker dose. The staff needs additional information to make a determination of reasonable assurance. Please provide the following bases information:

- 1) Specific construction activities and the number of workers used in construction worker dose calculations.
- 2) Bases for the values used to calculate dose from direct radiation, gaseous effluents, and liquid effluents.
- 3) Calculated annual person-Sievert dose for each unit.