

PMLevyCOLPEm Resource

From: Habib, Donald
Sent: Friday, March 07, 2014 10:59 AM
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Subject: Draft RAI 7444 for Levy COL Related to Part 37 Management of Radioactive Material
Attachments: RAI_7444.docx

To All,

Attached is draft RAI 7444 related to the 10 CFR Part 37 regulations for management of radioactive material for the Levy Nuclear Plant Units 1 and 2 Combined License Application. If you would like to schedule a conference call to discuss this RAI, please let me know before 5:00 PM on Wednesday, March 12, 2014. If no request for a conference call is received, this RAI will be issued as final.

Thank you,

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Application Title: Levy County, Units 1 and 2 - Dockets 52-029 and 52-030

Operating Company: Duke Energy Florida

Docket No. 52-029 and 52-030

Review Section: 12.05 - Operational Radiation Protection Program

Application Section: FSAR Appendix 12AA, FSAR Chapter 13, and Part 11 of COL Application

QUESTIONS

In the response to RAI 115, Question 01.05-2, the applicant proposed to update FSAR Table 13.4-201 to include 10 CFR Part 37 as a requirement associated with the Radiation Protection Program. Also, the applicant included Enclosure 11G, to Part 11 of the application. In Enclosure 11G, Section 3.1.4, the applicant provides information related to the Radiation Protection group's responsibilities regarding ensuring compliance with 10 CFR Part 37.

As a result of this response, in order to ensure compliance with 10 CFR Part 37, staff has the following questions:

1. Section 3.1.4 of Enclosure 11G in Part 11 of the application indicates that the Radiation Protection group will be "developing requirements," for category 1 or category 2 quantities of radioactive material. However, it is not entirely clear what the applicant means by "developing requirements." Staff interprets, "developing requirements," to mean that the Radiation Protection group will be responsible for categorizing and recording quantities of radioactive material and their location on site and determining when radioactive material or aggregate quantities of radioactive material will or could exceed the 10 CFR Part 37 category 1 or category 2 quantities and ensuring that other appropriate plant entities are informed so that appropriate action can be taken if category 1 or category 2 quantities will or could be exceeded. Please revise Section 3.1.4, of Enclosure 11G, of Part 11 of the COL application to clarify what is meant by "developing requirements" in order to ensure that the roles and responsibilities of the Radiation Protection staff are clear.
2. The second paragraph in Section 3.1.4 of Enclosure 11G in Part 11 of the application indicates that the Radiation Protection group provides oversight controls for vendors/contractors conducting activities involving 10 CFR Part 37 category 1 or category 2 quantities of radioactive material during construction and operation phases. Staff agrees that there is a need to provide oversight controls for vendors/contractors located on site who, either individually or in combination, could possess quantities of radioactive material in excess of category 1 or category 2 quantities at any time during the construction of the plant. However, Item 10 of FSAR Table 13.4-201, "Operational Programs Required by NRC Regulations," states, in Milestone 1, that the initial phase of the Radiation Protection Program (including the control of radioactive sources) need not be implemented until prior to initial receipt of byproduct, source, or special nuclear material. At Milestone 1, FSAR Table 13.4-201 specifies that the Radiation Protection group will consist of a radiation protection supervisor and at least one radiation protection technician. Since vendors/contractors may be conducting activities involving 10 CFR Part 37 category 1 or category 2 quantities of radioactive materials on site prior to the required implementation of Milestone 1 of the Radiation Protection Program, it is unclear who will provide oversight of vendor/contractor owned radioactive material located on site during this time period. Please update the application as appropriate to resolve this issue.
3. As indicated in Part 11, Enclosure 11G, Section 3.1.4, and FSAR Table 13.4-201, the applicant's Radiation Protection Program now has additional responsibilities in order to ensure compliance with 10 CFR Part 37. Therefore, please update FSAR Appendix 12AA, "Radiation Protection

Program Description” to include a general description of the responsibilities the Radiation Protection Program group has in relation to demonstrating compliance with 10 CFR Part 37.