

From: [Slama, Chuck](#)
To: [Malliakos, Asimios](#); [Knowles, Timothy](#)
Cc: [Hsueh, Kevin](#); [Raddatz, Michael](#); [Lemont, Stephen](#)
Subject: RE: Request for Clarification on the URENCO USA Responses to NRC Request for Additional Information
Date: Wednesday, February 26, 2014 1:11:40 PM
Attachments: [Table 4.12-1 Rev 1.pdf](#)
[Responses Rev 1.pdf](#)

Asimios,

As per our discussion this morning I am providing the following clarification and updates based on your request in the email below.

The dose of 0.56 to the resident (west of the facility) was determined by conservatively using the highest UBC storage pad dose rate and geometry, which is from the north end. For accuracy, Supplemental ER, Table 4.12-1 has been revised to show the dose to the nearest resident (west of the facility) as would be received from the west end of the UBC storage pad, see attach revision to the table. This dose is <4.0 E-27 mrem/yr for 8760 hrs.

Supplemental ER, Section 4.14.6 has been revised to match the distances listed in Table 1 of the attachment "Response Rev 1". See Response Rev 1, attached. See revised Supplemental ER wording below, change is in red.

"In Table 4.12-1, the nearest business, Wallach Concrete, was chosen conservatively based on the distance from the nearest edge of the UBC Storage Pad, to the property boundary of each of the four businesses. The distances to each business boundary is as follows: Wallach Concrete – 0.30 miles to the North; Sundance Services (located on north end of Wallach Concrete property) – 0.75 miles to the North; Waste Control Specialists – 0.66 miles to the west; Lea County Land Fill - 0.66 miles to the south."

I am placing a revised mark-up version and a clean version of the Supplemental ER, Rev 4d in the eRoom.

Regards,

Charles (Chuck) James Slama
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From: Malliakos, Asimios [mailto:Asimios.Malliakos@nrc.gov]
Sent: Monday, February 24, 2014 1:44 PM
To: Knowles, Timothy
Cc: Hsueh, Kevin; Raddatz, Michael; Slama, Chuck; Lemont, Stephen
Subject: Request for Clarification on the URENCO USA Responses to NRC Request for Additional Information

Tim,

In the latest version of Table 4.12-1 from the Supplemental ER, the 2000 hours a year dose at the site fence to the west of the UBC storage pads is given as 0.049 mrem/year and the 8,760 hours dose to the nearest residence in the west is 0.56 mrem/year. Given that the occupancy at the residence is $8,760 / 2000 = 4.38$ times longer than at the fence line, the equivalent dose at the fence line would be $4.38 \times 0.049 \text{ mrem/yr} = 0.21 \text{ mrem/yr}$. Since the fence line to the west is much closer to the storage pad than the residence, you would expect the result (0.21 mrem/yr) to be larger than that for the residence (0.56 mrem/yr). Use the same external dose profile for both the fence line and nearest residence to the west.

Also, the residence dose does not match that in the version of Table 4.12-1 in the revised Supplement ER (Rev. 4d).

In addition in the last set of RAI responses for item #5, in Table 1, shown below, the distance to Sundance is wrong in either miles or feet. Please provide updated table.

Table 1. Distances to Nearest Business Property Line from the Nearest Edge of the
Description: cid:image001.png@01CF3167.BF09D980



I would appreciate your prompt response. Your response will be posted in ADAMS as publicly available.

Thank you

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