

NRR-PMDAPEm Resource

From: Martinez, Nancy
Sent: Friday, April 29, 2016 8:50 AM
To: 'Carolyn Haass'
Cc: Balazik, Michael
Subject: RE: Re: [WARNING: MESSAGE ENCRYPTED]April 14, 2016 conference call summary

Carolyn,

Per our conference call on April 21, 2016 you stated that you would provide additional clarification pertaining to RAI Response to ALT-2A below, specifically regarding the diesel generator building and external waste management building, in a follow-up email to what you provided below. I just wanted to check in with you about this information since the reviewer needs this input. Additionally, if you have the non-proprietary write-up of Section 4.4.2.7.1, please provide that as well.

Thanks,
Nancy

From: Carolyn Haass [<mailto:carolyn.haass@nwmedicalisotopes.com>]
Sent: Thursday, April 21, 2016 11:20 AM
To: Martinez, Nancy <Nancy.Martinez@nrc.gov>
Cc: Balazik, Michael <Michael.Balazik@nrc.gov>; Carolyn Haass <carolyn.haass@nwmedicalisotopes.com>
Subject: [External_Sender] Re: [WARNING: MESSAGE ENCRYPTED]April 14, 2016 conference call summary

Nancy,

I forgot to change a minor error in Section 19.5.2.3.1. The MURR Alternative site is 7.5 acre not 7.4 acre which is still approximately 3 ha — 3.03 vs. 2.99 ha. I think the mistake on our part was through our editor who probably thought they should have been the same due to they were both in Columbia — didn't know they were different sites due to they were almost exactly the same size — a bit weird if you ask me that they are the same.

See my minor changes below.

Carolyn Haass

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From: Carolyn Haass <carolyn.haass@nwmedicalisotopes.com>
Date: Thursday, April 21, 2016 at 9:00 AM
To: "Martinez, Nancy" <Nancy.Martinez@nrc.gov>
Cc: "Balazik, Michael" <Michael.Balazik@nrc.gov>, Carolyn Haass <carolyn.haass@nwmedicalisotopes.com>
Subject: Re: [WARNING: MESSAGE ENCRYPTED]April 14, 2016 conference call summary

Nancy,

Here are my comments. I crossed out the sentences that were to be clarified. The “blue highlighted sentences” are NWMI additions. We can discuss at today’s call, if you have any questions.

RAI Response to ALT-2A and ALT2-3A

NRC Clarification Request: The RAI response to ALT-2A provided an Alternative Site Evaluation. Page 9 of the evaluation states that a direct connection to the existing reactor may require below ground construction. However, RAI response to ALT2-3A states that there will be a need for construction of below-grade connection to MURR. Clarify if construction of a below grade connection to MURR will be needed at the MURR alternative site.

Discussion: NWMI stated that both a below grade and above ground connection was analyzed for the MURR alternative site. ~~NWMI stated they would provide clarification on this item at a later time.~~ NWMI stated that if the RPF was constructed at the MURR site, there would be a below grade corridor between the RPF and MURR.

RAI Response to ALT-2B

NRC Clarification Request: The RAI response states that the MURR alternative site has the minimum amount of space required to construct and operate the proposed NWMI facility. The ER states, “the site is located directly to the south of the existing reactor building on a partially paved parking lot...the MURR site situated on a 3.0 ha (7.4- acre) lot in the central portion of the University Research Park...” Clarify if the 3.0 ha (7.4-acre) lot refers to the entire MURR facility complex or if this is the available space to construct the proposed facility. If the 3.0 ha (7.4-acre) lot refers to the entire MURR facility complex, what is the space that is available to construct the proposed facility?

Discussion: ~~NWMI stated they would provide clarification on this item at a later time.~~ The 3.0 ha (7.5 acre) lot refers to the entire MURR facility complex which the RPF would be built within the complex. The RPF was going to be constructed in the area south of the reactor on the partially paved parking lot which is less than 1 ha (2.5 acre). An error was found in Section 19.5.2.3.1 for the size of the MURR Alternative site; the size of the site is 7.5 acre not 7.4 acre which is still approximately 3.0 ha.

RAI Response to ALT-2A

NRC Clarification Request: The RAI response to ALT-2A provided an Alternative Site Evaluation. Page 10 of the evaluation provides a preliminary RPF layout at the MURR alternative site. The layout does not identify facility support buildings (diesel generator building, administration building, external waste management building) that were identified to be constructed at the Discovery Ridge site. Clarify if the facility support buildings would be constructed on the MURR alternative site.

Discussion: NWMI stated that for the MURR alternative site, the facility support building would be integrated within the existing infrastructure at the MURR facility. ~~NWMI stated they would provide additional clarification on this item at a later time.~~ NWMI stated that at the time the site evaluation was completed, the need for a diesel generator building and external waste management building was not known so it was not included in the evaluation nor sited on the MURR alternative site. In addition, the administration building for NWMI at the MURR alternative site would be located in an existing building across the street from MURR, MU Life Science Incubator Building. The Incubator Facility is a total of 33,000 square feet of conference room space, private offices, wet laboratory facilities, shared laboratory facilities, and open office and conference rooms.

RAI Response to AIR2-2C

NRC Clarification Request: Design File EDF-3124-0014 provided with the RAI responses supports the information provided in Table 19-59 of the ER. Page 12 of 23 of design file EDF-3124-0014 contains model inputs for process boilers, however, the design file EDF-3124-0014 is for construction activities not operation activities. Why does the design file contain these process boiler inputs?

Discussion: NWMI stated that the NRC is correct that EDF-3124-0014 contains information for the process boilers during operations. However, the process boiler information in EDF-3124-0014 was not used in AIR2-2C response. However, the process boiler information was part of EDF-3124-0014 due to the modeler felt it was a good location to capture the process boiler AERSCREEN modeling runs (e.g., providing all AERSCREEN results together).

Section 4.4.2.7.1 of the PSAR

Discussion: During this conference call, NWMI stated they would provide a non-proprietary write-up of Section 4.4.2.7.1 of the PSAR that was submitted to the NRC and marked proprietary.

I will provide the non-proprietary write-up of Section 4.4.2.7.1 later this morning.

Carolyn Haass

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From: "Martinez, Nancy" <Nancy.Martinez@nrc.gov>

Date: Wednesday, April 20, 2016 at 4:08 PM

To: Carolyn Haass <carolyn.haass@nwmedicalisotopes.com>

Cc: "Balazik, Michael" <Michael.Balazik@nrc.gov>

Subject: [WARNING: MESSAGE ENCRYPTED]April 14, 2016 conference call summary

Hi Carolyn,

Please find attached a draft copy of the April 14, 2016 conference call summary regarding clarification questions on RAI responses. The purpose of sending you a copy is to request that NWMI review the summary to ensure that proprietary information has not inadvertently been included since this meeting summary will be made publically available. Also, please review to confirm that the information NWMI discussed during the call is accurately captured and summarized. Please let me know by Tuesday (4/26) if you identify information within the summary that should be withheld or if there are statements that are inaccurate.

During the call you stated you would send the clarification information via email. Please note that it is critical we receive the clarification information on the responses in order to move forward with the review and EIS. The clarification information you provide will be made publically available on ADAMS.

Thanks,
Nancy

Hearing Identifier: NRR_PMDA
Email Number: 2811

Mail Envelope Properties (14283f9fa87c41579771c8ad2ac55c92)

Subject: RE: Re: [WARNING: MESSAGE ENCRYPTED]April 14, 2016 conference call summary
Sent Date: 4/29/2016 8:49:54 AM
Received Date: 4/29/2016 8:49:55 AM
From: Martinez, Nancy

Created By: Nancy.Martinez@nrc.gov

Recipients:
"Balazik, Michael" <Michael.Balazik@nrc.gov>
Tracking Status: None
"Carolyn Haass" <carolyn.haass@nwmedicalisotopes.com>
Tracking Status: None

Post Office: HQPWMSMRS05.nrc.gov

Files	Size	Date & Time
MESSAGE	8601	4/29/2016 8:49:55 AM

Options
Priority: Standard
Return Notification: No
Reply Requested: No
Sensitivity: Normal
Expiration Date:
Recipients Received: