

## **NRR-PMDAPem Resource**

---

**From:** Carolyn Haass <carolyn.haass@nwmedicalisotopes.com>  
**Sent:** Tuesday, May 17, 2016 12:26 AM  
**To:** Martinez, Nancy  
**Cc:** Balazik, Michael; Carolyn Haass  
**Subject:** [External\_Sender] Re: [WARNING: MESSAGE ENCRYPTED]RE: 5/17 Clarification call

Nancy,

Below are NWMI's responses to your requested clarifications. None of this information is "business sensitive" so I sent via email.

Look forward to talking with you tomorrow.

---

***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. Clarify whether the distances from radiological/chemical release points to the nearest site boundary (nearest location where a member of the public could potentially be exposed to the radiological or chemical release) for the MURR alternative site would be the same as those for the Discovery Ridge site (approximately 10 m for radiological releases from the facility stack, and approximately 24 meters for non-radiological releases during a chemical accident, as stated in the ER), or whether these distances would be different.

NWMI Clarification Response: While the location of the release points for an RPF at the MURR reactor site was not part of the alternative process. However, considering the MURR boundary and the location of the RPF, the distance to the site boundary would be similar or slightly shorter than the Discovery Ridge site.

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

NRC Clarification Request: In an April 21, 2016 email, in response to an NRC clarification question on the RAI response, NWMI clarified that if the RPF were to be constructed at the MURR site, there would be a below grade corridor between the RPF and MURR. Clarify if during construction of the below grade corridor, would workers be exposed to radioactive material or a direct radiation dose.

NWMI Clarification Response: There would be no measureable exposure to radioactive materials or direct radiation dose from the planned below grade corridor. The corridor was envisioned to entry the MURR basement near the current MURR service corridor.

### ***Carolyn Haass***

***Northwest Medical Isotopes, LLC***  
Chief Operating Officer | Vice President  
509-430-6921  
carolyn.haass@nwmedicalisotopes.com  
[www.nwmedicalisotopes.com](http://www.nwmedicalisotopes.com)

---

**From:** "Martinez, Nancy" <[Nancy.Martinez@nrc.gov](mailto:Nancy.Martinez@nrc.gov)>  
**Date:** Monday, May 16, 2016 at 3:42 PM  
**To:** Carolyn Haass <[carolyn.haass@nwmedicalisotopes.com](mailto:carolyn.haass@nwmedicalisotopes.com)>

**Cc:** "Balazik, Michael" <[Michael.Balazik@nrc.gov](mailto:Michael.Balazik@nrc.gov)>

**Subject:** [WARNING: MESSAGE ENCRYPTED]RE: 5/17 Clarification call

Carolyn,

Attached are the RAI response clarification questions for tomorrow's call.

Nancy

---

**From:** Martinez, Nancy

**Sent:** Thursday, May 12, 2016 4:41 PM

**To:** 'carolyn.haass@nwmedicalisotopes.com' <[carolyn.haass@nwmedicalisotopes.com](mailto:carolyn.haass@nwmedicalisotopes.com)>

**Cc:** Balazik, Michael <[Michael.Balazik@nrc.gov](mailto:Michael.Balazik@nrc.gov)>

**Subject:** 5/17 Clarification call

Carolyn,

The call-in information regarding RAI response clarifications for Tuesday (5/17) is provided below. I will provide you with the clarification questions by Monday.

Nancy

Call-in no.: 800-369-1956

Passcode: 67629

Time: 4:30 pm EDT

**Hearing Identifier:** NRR\_PMDA  
**Email Number:** 2855

**Mail Envelope Properties** (A902FB77-4195-46AA-A0F4-14E043DE5021)

**Subject:** [External\_Sender] Re: [WARNING: MESSAGE ENCRYPTED]RE: 5/17  
Clarification call  
**Sent Date:** 5/17/2016 12:25:49 AM  
**Received Date:** 5/17/2016 12:26:09 AM  
**From:** Carolyn Haass

**Created By:** carolyn.haass@nwmedicalisotopes.com

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

**Post Office:** nwmedicalisotopes.com

| <b>Files</b> | <b>Size</b> | <b>Date &amp; Time</b> |
|--------------|-------------|------------------------|
| MESSAGE      | 3184        | 5/17/2016 12:26:09 AM  |

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