

**From:** MATHUES Glenn (AREVA) [mailto:Glenn.Mathues@areva.com]  
**Sent:** Monday, November 23, 2015 3:04 PM  
**To:** Garcia-Santos, Norma  
**Subject:** [External\_Sender] RE: TN-RAM

Norma,

I will confirm what I believe is the easiest and get with you and Veronica tomorrow.

Glenn

**From:** Garcia-Santos, Norma [mailto:Norma.Garcia-Santos@nrc.gov]  
**Sent:** Monday, November 23, 2015 2:01 PM  
**To:** MATHUES Glenn (BE/LO)  
**Subject:** TN-RAM

Good afternoon Glen,

Veronica contacted me and she reviewed the response provided by AREVA TN. She did not find that the response did not "adequately accounted for possible non-uniform distribution of source and self-shielding." The current definition of "distributed throughout" does not preclude the possibility of a 30,000 Ci point source amongst 3,000 kg of steel, which could reconfigure during transport. She is proposing the following options:

1. A CoC condition to account for defining a source AND shielding medium "distributed throughout," or
2. Supplement the response with other definition demonstrating that the source AND shielding medium will be distributed.

She proposed looking at the definition in NUREG-1608 (see attached document). Let me know your preference.

Thanks,

*Norma Garcia Santos*

Project Manager  
Division of Spent Fuel Management  
Office of Nuclear Material  
Safety and Safeguards

Phone No.: (301) 415-6999  
E-mail: [Norma.Garcia-Santos@nrc.gov](mailto:Norma.Garcia-Santos@nrc.gov)

#### **EMAIL PROPERTIES**

Received: from HQPWMSMRS01.nrc.gov (172.17.48.10) by HQPWMSMRS01.nrc.gov (172.17.48.10) with Microsoft SMTP Server (TLS) id 15.0.1044.25 via Mailbox Transport; Mon, 23 Nov 2015 15:03:57 -0500  
Received: from HQPWMSMRS01.nrc.gov (172.17.48.10) by HQPWMSMRS01.nrc.gov (172.17.48.10) with Microsoft SMTP Server (TLS) id 15.0.1044.25; Mon, 23 Nov

Enclosure 1

2015 15:03:55 -0500

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Received-SPF: None (mail1.nrc.gov: no sender authenticity information available from domain of postmaster@ussmtpout1.areva.com) identity=helo; client-ip=160.84.253.73; receiver=mail1.nrc.gov; envelope-from="Glenn.Mathues@areva.com"; x-sender="postmaster@ussmtpout1.areva.com"; x-conformance=spf\_only

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X-SBRS: 5.6

X-MID: 218705696

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X-IronPort-Anti-Spam-Result:

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Thread-Topic: RE: TN-RAM

Subject: [External\_Sender] RE: TN-RAM

Received: from smtput173.areva.com (HELO ussmtpout1.areva.com) ([160.84.253.73])  
by mail1.nrc.gov with ESMTP; 23 Nov 2015 15:03:54 -0500

Received: by ussmtpout1.areva.com (Postfix, from userid 101)  
id 69DB359F0B; Mon, 23 Nov 2015 20:03:54 +0000 (GMT)

From: "MATHUES Glenn (AREVA)" <Glenn.Mathues@areva.com>

To: "Garcia-Santos, Norma" <Norma.Garcia-Santos@nrc.gov>

Thread-Topic: TN-RAM

Thread-Index: AdEmISmOvXa/QkP3SFuwdvY3mOSMJQACLXUg

Date: Mon, 23 Nov 2015 20:03:53 +0000

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Return-Path: Glenn.Mathues@areva.com  
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