

## LSNReviews

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**From:** Oleg Povetko [opovetko@cnwra.swri.edu]  
**Sent:** Tuesday, February 24, 2004 5:31 PM  
**To:** 'RSAC@inel.gov'  
**Subject:** RE: Dose rates for distances 10-100 m (INEEL External Web Site)

Brad:

Thanks for your clarification. I still need some validation or some sort of reality check data for shorter distances. Can you refer me to some materials, journal papers that could be helpful in that? Are there code validation reports available? Does RSAC 6.2 calculate a puff size and if it does how is it calculated?

Thanks.

Oleg.

-----Original Message-----

**From:** BSCHRADE@inel.gov [mailto:BSCHRADE@inel.gov] **On Behalf Of** RSAC@inel.gov  
**Sent:** Tuesday, February 24, 2004 1:31 PM  
**To:** OLEG POVETKO  
**Subject:** Re: Dose rates for distances 10-100 m (INEEL External Web Site)

The document you referenced is not released for external review. Gaussian by definition will grossly overestimate dose inside of 100 meters. There really isn't any way around it. sorry

Brad

Radiological Safety Analysis Computer Program

[www.inel.gov/rsac](http://www.inel.gov/rsac)

Check out the newly released windows based RSAC

OLEG POVETKO <[oleg.povetko@swri.edu](mailto:oleg.povetko@swri.edu)>

**OLEG POVETKO**

<[oleg.povetko@swri.edu](mailto:oleg.povetko@swri.edu)> To: Brad Schrader <[rsac@inel.gov](mailto:rsac@inel.gov)>

cc:

02/13/2004 02:53 PM

Fax to:

Subject: Dose rates for distances 10-100 m (INEEL External Web Site)

===== SENT FROM INEEL EXTERNAL WEB SITE =====

Sent from page: <http://www.inel.gov/rsac/>

Date: 2/13/2004 Time: 2:53:31 PM

Remote IP Address: 204.134.131.27

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From: OLEG POVETKO

E-mail: [oleg.povetko@swri.edu](mailto:oleg.povetko@swri.edu)

Comment:

Brad, currently I am working on dose estimates for workers outside non-reactor facility at distances 10-100 m using RSAC 6.2. What approach would you recommend to prevent dose overestimate? Do you have by any chance the following document referenced in one of the INEEL SAR in these regards:

Bolton, S.R., 2001 Supplemental Guide for Chapters 3,4,5 and 6 in DOE-STD-3009-94 Compliant Safety Analysis Reports, March.

Thanks.

Oleg Povetko

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