



Software Error Notification

Form 3.5.1

Revision: 2

Effective: 11/21/03

Pg. 1 of 1

Error Notice Identification Number: 14 Page 1 of 1
Software Name: RADTRAD
Versions Affected: 3.03
Error Classification: X Safety-Related Non Safety-Related

Description of Error:

When using the Powers' spray model the use of an alpha =1 (total compartment is sprayed) is inconsistent with the Powers' model as developed in NUREG/CR-5966 and as implemented in RADTRAD.

Assessment of error:

This error has been found to slightly change dose results as the spray volume should be twice the size that it was. Hence this error generated more conservative results in all known cases.

Software Program Manager: Terry Heames (Printed/Typed Name), Signature, December 02, 2005 (Date)

SW Point of Contact: Terry Heames (Printed/Typed Name), Signature, December 02, 2005 (Date)

Corrective Action:

If a user has a scenario where the Powers spray model is used, alpha should be re-defined as the volume unsprayed over the volume sprayed..

Verified Complete: QA Manager

Software Program Manager: Terry Heames (Printed/Typed Name), Signature, December 02, 2005 (Date)

SW Point of Contact: Terry Heames (Printed/Typed Name), Signature, December 02, 2005 (Date)