ALION SCIENCE AND TECHNOLOGY	Software Error Notification			
	Form 3.5.1	Revision: 2	Effective: 11/21/03	Pg. 1 of 1

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Software Name:_____RADTRAD_____

Versions Affected: _____3.03_____

Error Classification: _X_ Safety-Related ___ Non Safety-Related

Description of Error: Unknown to the user, the RADTRAD 3.03 GUI automatically modifies any compartment, using Powers' Natural Deposition, to the "PWR Design Basis" containment model, whenever the panel for that given compartment is opened. Therefore, the compartment panel cannot be viewed without one having to return the selection to whatever containment model that the user desired. (Mscisz)

The program has a case set-up screen for options where the user selects the reactor type to determine fission product species for the event and a separate selection of the Powers aerosol decontamination factor. Normally if a case is created, saved, and then executed the selected options are used. If a case is re-opened, to check or correct the data inputs for example, the program automatically resets the options to PWR - DBA and 10th percentile Powers aerosol decontamination factor. If the case is then run without checking these options then the case is executed with the defaults.(Re)

Assessment of error:
This error may impact dose results from BWR scenarios using the Powers aerosol natural deposition model.

	Printed/Typed Name	Signature	Date
Software Program Manager:	__Terry Heames__	_____	__10/28/04 _
SW Point of Contact:	__Terry Heames_	_____	__10/28/04 _

Corrective Action:
Option A: User should verify that the BWR Natural deposition model has been selected before executing the code.
Option B: Modify the Graphical User Interface logic to retain the correct values. Because of the imminent release of version 3.10 a modification of version 3.03 is not considered reasonable.

Verified Complete:_____
QA Manager

	Printed/Typed Name	Signature	Date
Software Program Manager:	___Terry Heames	_____	_October 28, 2004
SW Point of Contact:	__Terry Heames _	_____	October 28, 2004