

Software Error Notification Form

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Form 3.5.1 Revision: 0 Effective: 6/15/02

Versions Affected: Re Error Classification: X S	C RADTRAD 3.03_evisions 0		Page <u>1</u> of <u>1</u>
Description of Error: Calculation to determine the Worst 2 hour EAB dose can exceed array length in at least one case. The resulting overwrite causes an incorrect value of the time to be reported by the code. This does not result in erroneous dose values.			
Recommendations to Program Users: The error does not change the results for any published V&V case. Code users should look at each case they have run to verify that the worst 2 hour EAB dose was not changed from one run to another.			
Software Program Manager:	Jack Dallman Printed/typed Name	Signature	Date
SW Point of Contact:	Terry Heames Printed/typed Name	Signature	Date
Corrective Action: Since this error did not effect code results, a corrective action was not immediately called for. However, because of the upcoming release of RADTRAD 3.03 by the NRC, it was decided to fix the error and avoid any user inconvenience the error might cause. The corrective action: the "PRINTOUT.for" routine was modified to eliminate the possible extrapolation and to force a later value for the 2 hour EAB dose to exceed the current minimum by 1.0e-10 rem. The previous solution would allow a value equal to the previous maximum to be considered the worst case, thus allowing a later time for the "Worst 2 hour dose".			
Verified Complete:QA Manager			
Software Program Manager:		Signature	
SW Point of Contact:	Terry Heames Printed/typed Name	Signature	Date



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