



GAMMA HEATING IN HEAVY ELEMENTS

A correction factor, applied to gamma heating measurements made with an aqueous dosimeter, predicts gamma heating in a thin tungsten detector in a water shield within an error of 10.2%.

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CALCULATED DECONTAMINATION BEHAVIOR

During decontamination of nuclear reactor plant a simple mathematical model allows "on-the-spot" control of chemical concentration to within $\pm 10\%$.

Stuart K. Beal (left) (BSME, Virginia Polytechnic Institute; MSME, University of Pittsburgh) is currently developing mathematical models of crud buildup. Donald R. Henderson (BChE, University of Rochester) is continuing the development of decontamination processes. Both are senior engineers at the Bettis Laboratory.

Corrigenda

On October 28, 1968, Joseph C. Stachew requested that we publish the following corrigenda, which apply to his article "Isotopic Analysis of Natural UO_2 Fuel Irradiated to 22 000 MWd/MTU. Theory vs Experiment," which appeared in the April 1968 issue of *Nuclear Applications*.

Delete the following:

p. 208, col. 2, the entire item 6), which presently reads: "(6) The error in total plutonium due to the neglect of ^{241}Pu resulting from its small alpha activity is negligible."

p. 212, col. 2, the last two sentences in lines 3-8 which presently read: "This is partially due to syste-

matic experimental error in neglect of ^{241}Pu by using alpha activity to measure total plutonium. The comparison indicates that ^{241}Pu is important and should not be neglected in the determination of total plutonium."

p. 216, col. 1, the entire last sentence of the first paragraph, which presently reads: "Also, the overcalculation of total plutonium indicates a need for an experimental determination that accounts for ^{241}Pu since this is presently being neglected using total alpha activity."

Mr. Stachew further states that only the validity of the three statements given above is affected, and none of the other information or conclusions in the test are affected.