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 RECIP. NAME RECIPIENT AFFILIATION
 HOLTZMAN, R.B. Region 3, Ofc of the Director

SUBJECT: Responds to Open Items 50-315/87-30-03 & 50-316/87-30-03 re
 reactor coolant samples.

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November 4, 1988

R. B. Holtzman
Office of Inspection and Enforcement
United States Nuclear Regulatory Commission
Region III
799 Roosevelt Road
Glen Ellyn, IL 60137

Dear Dr. Holtzman:

Response to Open Items No. 50-315/87030-03 and No. 50-316/87030-03

A sample of Unit 1 Reactor Coolant was analyzed by an offsite vendor to ratio SR-89, SR-90, and Y-90 to CS-137. The results are listed below:

<u>Nuclide</u>	<u>Activity</u>	<u>Ratio</u>
SR-89	8.56E-7 $\mu\text{Ci/ml} \pm 10\%$	SR-89/CS-137 - 2.8E-3 (.28%)
SR-90	$< 2.3\text{E-}8 \mu\text{Ci/ml}$	SR-90/CS-137 - $< 8.2\text{E-}3$ (.82%)
CS-137	3.04E-4 $\mu\text{Ci/ml} \pm 10\%$	
Y-90	$< 2.3\text{E-}8 \mu\text{Ci/ml}$	Y-90/CS-137 - $< 8.2\text{E-}3$ (.82%)

As can be seen from these results the contribution to the E-BAR calculation from SR-89, SR-90, and Y-90 would be extremely small. We will continue sending reactor coolant samples, to an offsite vendor, to determine these ratios, twice yearly. These factors will be figured into our E-BAR calculations.

If additional information is required, please contact me.

Very truly yours,


W. G. Smith, Jr.

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