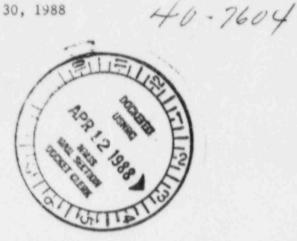
rec'd 4/12/88



Oak Ridge FTS 626-5073 Associated Post Office Box 117 Universities Oak Ridge, Tennessee 37831-0117

March 30, 1988



Dr. Germain LaRoche Nuclear Regulatory Commission Mail Stop 6H3 1 White Flint North 11555 Rockville Pike Rockville, MD 20852

Subject: CONFIRMATORY ANALYSES - VISTRON SAMPLES

Dear Dr. LaRoche:

Enclosed are the results of the NLS and ORAU analysis of seven soil samples from floor cores of the Catalyst Building. The agreement is acceptable when tested with a two-tailed paired T test. With the exception of the two highest values, the values reported are within the 99% confidence limits (+ 3 sigma). In all cases NES is higher.

Initially, there were discrepancies for two of the seven samples submitted. These were resolved after NES verified the sample labels. We suggest that a similar check is made for the other soil samples which they have analyzed.

Please call if you have any questions.

Sincerely,

additional info

Michele R. Landis Health Physics Team Leader Radiological Site Assessment Program

MRL:sdm

Enclosure

cc: L. Rouse, NRC/6H3 R. Provencher, NRC/6H3 E. Davis, NRC/6A4

304150181 880330 007604 ADOCK

29219

Borehole #	Analysis By	U-238 Concentration (pCi/g)
2	ORAU NES	12.1 <u>+</u> 2.9a 24 <u>+</u> 11b
5	ORAU NES	$17.5 \pm 2.3$ 22 \pm 20
13	ORAU NES	$ \begin{array}{c} 6.3 \pm 2.2 \\ 11 \pm 17 \end{array} $
14	ORAU NES	$112.3 \pm 5.3$ $151 \pm 26$
15	ORAU NES	$ \begin{array}{c} 26.8 \pm 3.8 \\ 34 \pm 24 \end{array} $
16	ORAU NES	$15.3 \pm 2.3$ 22 $\pm 17$
18	ORAU NES	$160.4 \pm 6.9$ 249 \pm 23

; ....

aORAU uncertainties are 3 $\sigma$  based only on counting statistics. <sup>b</sup>NES uncertainties are 3 $\sigma$  and are derived from the 2 $\sigma$  values reported to ORAU.

