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Manpower Education,
Research, and Training
Division

March 30, 1988

40-7604

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 NJS 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,

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

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C PDR

additional info

29219



Borehole #	Analysis By	U-238 Concentration (pCi/g)
2	ORAU NES	12.1 \pm 2.9 ^a 24 \pm 11 ^b
5	ORAU NES	17.5 \pm 2.3 22 \pm 20
13	ORAU NES	6.3 \pm 2.2 11 \pm 17
14	ORAU NES	112.3 \pm 5.3 151 \pm 26
15	ORAU NES	26.8 \pm 3.8 34 \pm 24
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 σ based only on counting statistics.

^bNES uncertainties are 3 σ and are derived from the 2 σ values reported to ORAU.

INCKET NO. 40-2604
CONTROL NO. 29219
DATE OF DOC. 3/30/88
DATE RCVD. 4/12/88
FCUF ☒
FCAF ☐
PDR ☒
LPDR ☒
I & E REF. ☒
SAFEGUARDS ☒
OTHER ☐
INITIAL mh
FCTC ☐
DATE 4/12/88