



State of Ohio Environmental Protection Agency

Southwest District Office

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L-0550

Jan 5 10 27 AM '99

George V. Voinovich
Governor

December 29, 1997

RE: DOE FEMP
CONDITIONAL APPROVAL -
MEASUREMENT AND CALCULATION
OF TH-232

Mr. Johnny Reising
U.S. Department of Energy, Fernald Area Office
P.O. Box 538705
Cincinnati, OH 45253-8705

Dear Mr. Reising:

The Ohio Environmental Protection Agency has reviewed your letter "Measurement and Calculation of Thorium-232", dated November 20, 1997. The method is approved for samples counted in a laboratory (i.e. not real-time methods) and contingent upon the following information being provided to the Ohio EPA.

1. An explanation as to whether 95% UCL (2 sigma counting error) should be used for the error weighted average or the 68% UCL (1 sigma counting error). One would assume that ASL C or D data would be used for making certification decisions. The SCQ states that for ASL C and D data the UCL is determined by taking the upper 95% for the range of observations.

If you have any questions, please contact Bill Lohner (937) 285-6051 or me.

Sincerely,

Thomas A. Schneider
Fernald Project Manager
Office of Federal Facilities Oversight

cc: Jim Saric, U.S.EPA
Mark Schupe, GeoTrans
Terry Hagen, FDF
Ruth Vandegrift, ODH
Franci Barker, PRC

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