

**VARIANCE / FIELD CHANGE NOTICE (FCN)**

V 99-006

**WBS NO.: PROJECT/DOCUMENT**

98SC000001 WPRAP Sampling and Analysis Plan for Waste Pit Materials, Rev 0

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**PROJECT TITLE: Waste Pits Remedial Action Project**

Date: 11/04/99

**VARIANCE / FIELD CHANGE NOTICE (Include justification):**

Add the following to Note 5 to Table 2.5 "Radiochemical Method Performance- Blended Waste" corresponding to ASL E:

**-2676**

5. The radium concentration will be determined from the net counts in the 186 keV photopeak, with consideration of the U-235 contribution. The reported value will be the highest of this concentration, the Bi-214 concentration at the 609 keV keyline, or the Pb-214 concentration at the 351 keV keyline. If the highest of these values is based on the 186 keV photopeak, AND this value plus  $2\sigma$  TPU is  $> 0.5$  WAC, AND the activity is less than  $2\sigma$  TPU, an alternate method will be used to determine the radium-226 concentration. In some cases, IT may elect to determine the Ra-226 concentration by an alternate approved method rather than gamma spectroscopy.

Justification

The method cited provides a conservative value for reporting the Ra-226.

REQUESTED BY: Doug Draper, IT Corp

DATE: 11/04/99

CHECK IF REQD	VARIANCE/ FCN APPROVAL	DATE	CHECK IF REQD	VARIANCE/ FCN APPROVAL	DATE
X	IT Lab Manager <i>Max A. Bennett</i>	11/4/99	X	FDF RDQ <i>[Signature]</i>	11/8/99
X	IT QA Manager <i>[Signature]</i>	11-4-99	X	FDF WPRAP Environmental Compliance <i>[Signature]</i> Per DZB	11/5/99
X	FDF WPRAP Sampling/ Analysis Coordinator <i>[Signature]</i>	11-5-99			
X	FDF WPRAP QA Manager <i>[Signature]</i>	11.5.99			
VARIANCE/FCN APPROVED <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO			REVISION REQUIRED: <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		

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