

VARIANCE / FIELD CHANGE NOTICE (FCN)

V 99-007

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: 10/29/99

VARIANCE / FIELD CHANGE NOTICE (Include justification):

Add Note 11 to Table 2.5 "Radiochemical Method Performance- Blended Waste" corresponding to ASL E:

11. Precision Requirements for duplicate samples is based on Relative Error Ratio (RER ≤ 2.0). For quantitative analyses with data qualification as suspect (Code J) a duplicate RER must be > 2 and ≤ 3 .

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1. If the RER is > 3 AND both the sample and duplicate are \leq HAMDC, then no further analysis is required
2. If the RER > 3 AND either the sample or duplicate is $>$ HAMDC AND the original sample activity concentration + 2σ TPU $\leq 50\%$ of the action level AND the duplicate activity concentration + 2σ TPU is $\leq 50\%$ of the action level, the analyst will evaluate duplicate results to determine if reanalysis is necessary
3. If the RER > 3 AND either the sample or duplicate activity concentration $>$ HAMDC AND either the sample or duplicate activity concentration + 2σ TPU is $> 50\%$ of the action level, then the data will be disqualified and the following corrective actions taken in sequence:
 Prepare another sample, recount twice, then calculate a new RER, and/or
 Recalibrate and repeat the count, and/or
 Service the instrument and repeat the count.

Justification

The precision requirements are stated in Table G-4 Criterion 26, ASL C & D of the SCQ for Soil/ Sediment as RER ≤ 2.0 . IT Corp currently uses Relative Percent Difference (RPD) to determine precision. This change reflects SCQ recommendations and accommodates analysis for higher expected activity concentrations.

REQUESTED BY: Doug Draper, IT Corp

DATE: 10/29/99

CHECK IF REQD	VARIANCE/ FCN APPROVAL	DATE	CHECK IF REQD	VARIANCE/ FCN APPROVAL	DATE
X	IT Lab Manager <i>Max A. Bennett</i>	10/29/99	X	FDF RDQ <i>[Signature]</i>	11/1/99
X	IT QA Manager <i>[Signature]</i>	10/29/99	X	FDF WPRAP Environmental Compliance <i>[Signature]</i>	11/1/99
X	FDF WPRAP Sampling/ Analysis Coordinator <i>[Signature]</i>	11/1/99			
X	FDF WPRAP QA Manager <i>[Signature]</i>	11.1.99			
VARIANCE/FCN APPROVED [X]YES []NO			REVISION REQUIRED: []YES [X]NO		

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