



INTER-OFFICE MEMORANDUM

Date: May 7, 2015 HEM-15-MEMO-039

To: Brian Miller, FSS Manager
Ellen Jakub, FSS Data Manager

From: W. Clark Evers, Radiation Safety Officer

Cc: Steven A. Grice

Subject: Sidewall sampling of Land Survey Areas

Effective immediately, please evaluate if additional sidewall sampling is necessary in Land Survey Areas based on the following criteria:

- If any systematic or biased sample Tc-99 result from the survey unit exceeded 10% of the applicable DCGL_w, and
- If vertical or near vertical sidewalls exist within the survey unit, and
- If those sidewalls exceed 12 inches in height vertically, and
- If those sidewalls exceed (in aggregate) 5 % of the total survey unit surface area (e.g., greater than 100 m² of sidewall in a 2,000 m² survey unit), then sidewall sampling is necessary.

When sidewall sampling is determined to be necessary, perform the following:

- a. Determine the number of samples to be collected based on the sidewall surface area compared to the two dimensional systematic surface area (e.g., 8 systematic samples were collected over 2,000 m², then collect 1 sample per 250 m² of sidewall).
- b. Collect a discretionary (e.g., biased) sample at randomly chosen location(s) of the sidewall(s) (e.g., not based on radiological scans) selected at the discretion of the Health Physics Technician performing soil sampling.

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- c. The soil sample result will be evaluated as a biased measurement and the results reported in the FSS release record.

The FSS instructions for each survey unit should be revised to include direction on the collection of sidewall samples, if it is determined to be necessary based on this criteria. The requirements listed above are the minimum sampling requirements necessary for each Land Survey Area. As always, the FSS Staff may take actions above and beyond the minimum requirements set forth in the Final Status Survey program.

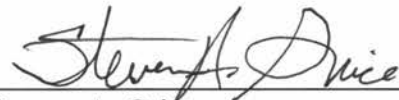
Owner/Author:



W. Clark Evers
RSO

5/7/15
Date

Reviewed & Approved By:



Steven A. Grice
FSS Task Manager

5/7/2015
Date