



INTER-OFFICE MEMORANDUM

Date: August 13, 2015 HEM-15-MEMO-039, Revision 1

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 vertical or near vertical sidewalls exist within the survey unit (e.g., surfaces that do not have the potential to be selected for systematic sampling via a 2 dimensional sampling grid), 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 judgmental sample(s) at sidewall location(s) not based on radiological scans, but selected at the discretion of the Health Physics Technician performing soil sampling.

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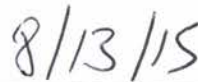
- c. The soil sample result will be evaluated as a biased measurement and the results reported in the FSS release record.

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. Additionally, these requirements will be incorporated into Final Status Survey Procedures, and this process will be followed for any areas of the site that have yet to undergo Final Status Survey. At the time these requirements are incorporated into Final Status Survey Procedures, this memo will be considered superseded and terminated. 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



Date

Reviewed & Approved By:



Steven A. Grice
FSS Task Manager, STR



Date