



designed to insure that all major subsurface deposits are located. The depths of the remaining 65 holes will be adjusted to extend through the contaminated layers. For budgeting purposes, this depth has been assumed to be 20 feet. Boreholes will be backfilled.

To allow determination of radionuclide concentrations via laboratory analysis, continuous samples will be collected from the surface to the maximum drilled depth. The samples will be composited over a one-foot depth and analyzed for U-238 and Ra-226 concentrations.

For a quick field determination of depths of contamination, boreholes will be gamma logged where possible. This serves three purposes: 1) assures that the narrow initial ranges where soil samples need to be analyzed, and 3) allows real-time modification of field activities in the event of discovery of unknown contamination.

Documentation

The findings of this survey will be reported in a letter report describing the general methodology used and results collected. In addition, the findings will be used to formulate the pathways analysis study which will form the basis for a decision concerning the need for remedial action.

The field work is anticipated to take approximately 5 weeks. The projected schedule is attached for your review. If you have any additional questions concerning these plans, please contact [redacted] at (615) 576-4451.

Sincerely,

ORIGINAL SIGNED BY:

[redacted], Director  
Technical Services Division

bcc w/o encl.:

bcc w/encl.:

[redacted], NE-23, GTN  
[redacted], NE-23, GTN  
[redacted] BNI  
[redacted], EPA

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