

Use of the Remaining Sites
Data Quality Objectives and Sampling and Analysis Plan
for the Horse Shoe Landfill

The Data Quality Objectives (DQO) process can be time consuming and costly, particularly when it is used to evaluate one small isolated site. The Remaining Sites DQO process was undertaken to address a large number of diverse sites using a plug-in approach. The sites are divided into nine conceptual site models and further subdivided into fourteen design groups. The remaining sites DQO is intended as a “catch-all” plan that is being implemented for confirmatory site evaluation efforts at any remaining or newly discovered site.

The Horse Shoe landfill in its current state is most analogous to the “surface and subsurface areas” conceptual site model and “surface dumping area” design group. The subsurface boundary for this model is 0.6m (2 ft) below the surface within the delineated site area. The Remaining Sites Sampling and Analysis Plan (SAP) describes the process for evaluating such a site. In summary, the design involves systematic sampling with a grid arranged in a triangular pattern. The number of required samples will be determined as part of the sampling design evaluation described in the Remaining Sites SAP. The proposed sampling and analysis design for the Horse Shoe Landfill will be documented in a site-specific Sampling and Analysis Instruction.

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