

6 Minimum Sampling Frequencies

The following are minimum sampling frequencies established by MADEP for soil re-use at the Site:

Soil Category	General Source/Origin Description	Minimum Test Profile Frequency
1	Naturally Deposited Soil: Not from an area of known or suspected high background levels of constituents (i.e., arsenic belt, Boston Blue clay); not proximate to urban fill soil; no MCP disposal sites nearby; and no industrial or manufacturing history.	1 test profile per 1,000 cubic yards (1,500-1,700 tons) for initial review. Supplemental testing of specific areas for specific contaminants that exceed any Soil Acceptance Criteria (SAC) to define/confirm limits of acceptable soil at 1 test per 100 cu. yd.
2	Naturally Deposited Soil: In proximity to urban fill or an MCP disposal site.	1 test profile per 1,000 cubic yards (1,500-1,700 tons) for initial review. Supplemental testing of specific areas for specific contaminants that exceed any SAC to define/confirm limits of acceptable soil at 1 test per 100 cu. yd.
3	Naturally Deposited Marine Soils and Boston Blue Clay: From areas of known or Suspected naturally occurring high background levels of constituents or otherwise regulated soil.	1 test profile per 1,000 cubic yards (1,500-1,700 tons) for initial review. Test Profile must include MCP-14 metals. Supplemental testing of specific areas for specific contaminants that exceed any SAC to define/confirm limits of acceptable soil at 1 test per 100 cu. yd.
4	Urban Fill Soil	1 test profile per 500 cubic yards (750-850 tons) for initial review. Test Profile must include MCP-14 metals. Supplemental testing of specific areas for specific contaminants that exceed any SAC to define/confirm limits of acceptable soil at 1 test per 100 cu. yd. Additional test parameters such as cyanide and asbestos may be required.
5	Soil from Industrial, Commercial or Manufacturing site with history of any of the following: tannery, textiles, chemical/paint production, circuit board manufacturing, plating/metal finishing, foundry operations, coal gasification, dry cleaning, salvage yards, pesticide/herbicide use, storage or distribution. A LSP, LSRP or LEP must provide a report detailing why such soils conform to the SAC.	1 test profile per 500 cubic yards (750-850 tons) for initial review. Test Profile must include MCP-14 metals. Supplemental testing of specific areas for specific contaminants that exceed any SAC to define/confirm limits of acceptable soil at 1 test per 100 cu. yd. Additional test parameters such as cyanide may be required.
6	Soil from sources not otherwise described above where historic test data indicate potential exceedance of any SAC or where past use or storage of OHM at more than household quantities.	1 test profile per 500 cubic yards (750-850 tons) for initial review. Supplemental testing of specific areas for specific contaminants that exceed any SAC to define/confirm limits of acceptable soil at 1 test per 100 cu. yd. Additional test parameters based on historic test data may be required.

Test profile soil samples should be multi-point composite samples with the exception of VOC samples, which should be a grab sample of the highest PID screening result for that test profile.

For acceptance purposes, soil density will be considered 1.5 tons per cu. yd. for soil sampled from a stockpile, and no greater than 1.7 ton per cu. yd. for soil sampled in-situ via borings or test pits. Further technical justification will be required for acceptance of soil with assumed density greater than 1.7 ton per cu. yd.