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SOILS OF PACIFIC PLACE
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Soils of Pacific Place Site

Sorting Fact From Fiction

Parcel 8 Guide To Testing And Standards

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Sampling And Testing Procedures Parcel 8

Soil sampling is based on the scientific understanding that the samples represent the whole pile of soil.

One of the keys to successful soil sampling is to establish a screening grid to locate approximately equal amounts of soil.

This soil, once excavated is screened based on colour and odor and segregated into either suspect (industrial quality) or non-suspect (residential quality) piles.

The unit for sampling non-suspect excavated soil is up to 1500 cubic metres. Each pile is divided into nine equal sized cells.

Five samples from various depths and locations, are taken from each cell. These representative samples are mixed together, then tested. This represents Level 1 testing and determines the nature of each of the nine cells. The samples from each group of three

cells are mixed together and tested again - Level 2 testing.

The three Level 2 samples are mixed together for Level 3 testing. This sample represents the whole pile.

Results are analyzed and classified according to the provincial standards. A computer printout of the elements present is generated showing the levels of occurrence and providing a comparison of the nine cells against provincial standards.

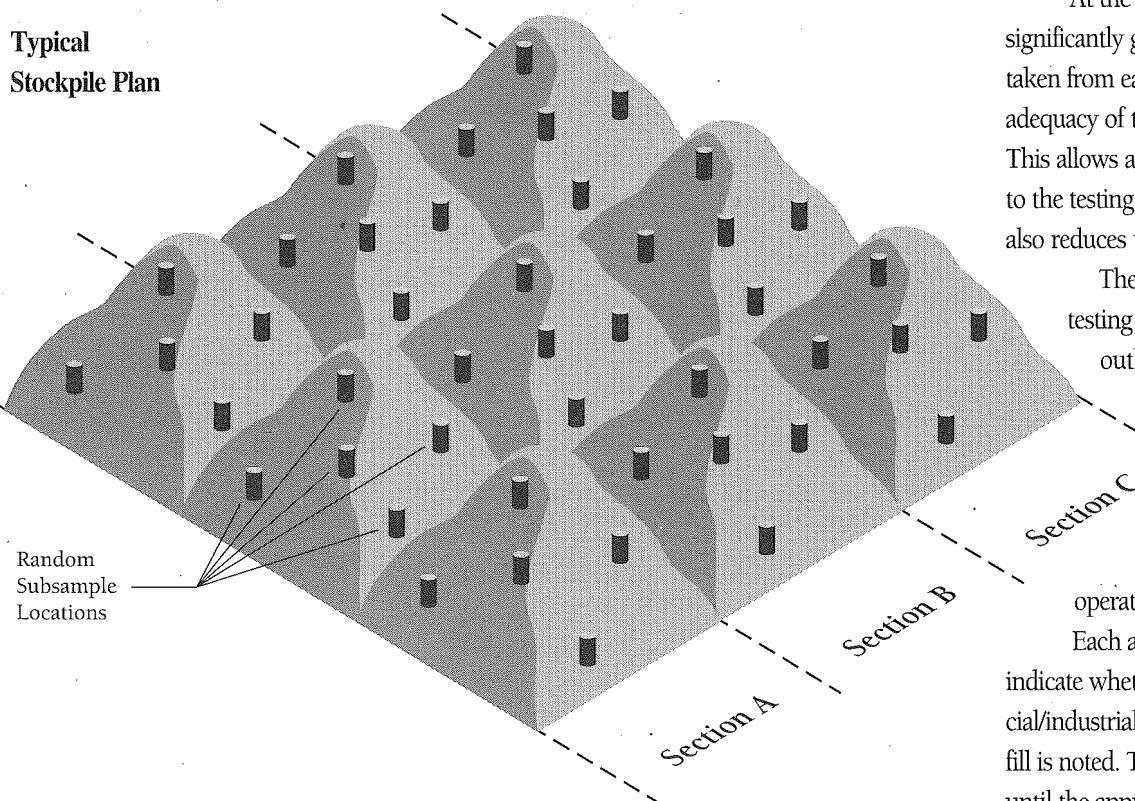
At the outset of a sampling program, a significantly greater number of samples is taken from each cell and tested to ensure the adequacy of the original site characterization. This allows adjustments and improvements to the testing method as work proceeds and also reduces unnecessary testing costs.

The results of the sampling and testing process is a brief report outlining the environmental profile of each pile of soil. This information is then available to whom-ever require it (e.g. municipality, receiving landfill operator, BC Environment).

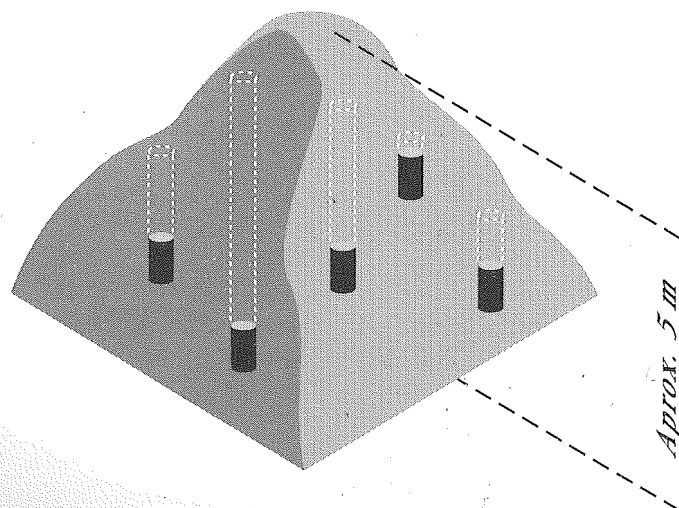
Each and every load is tagged to indicate whether it is residential or commercial/industrial fill and the destination for the fill is noted. The soil cannot be unloaded until the appropriate tag is produced at the destination, to the satisfaction of the operator.

Testing procedures may vary according to parcel and site characterization. However, provincial standards will be strictly adhered to when testing and segregating soils throughout the site.

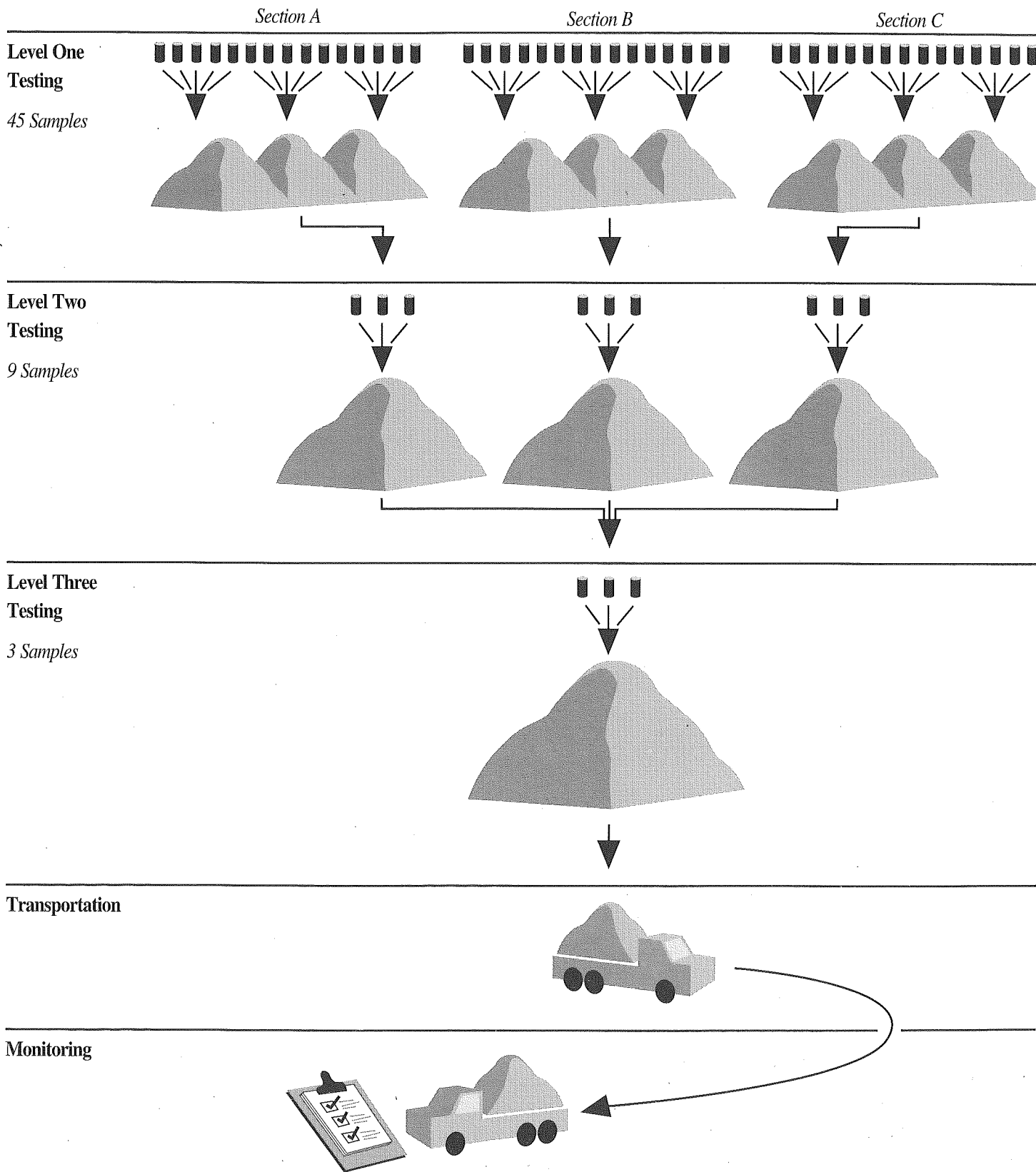
**Typical
Stockpile Plan**



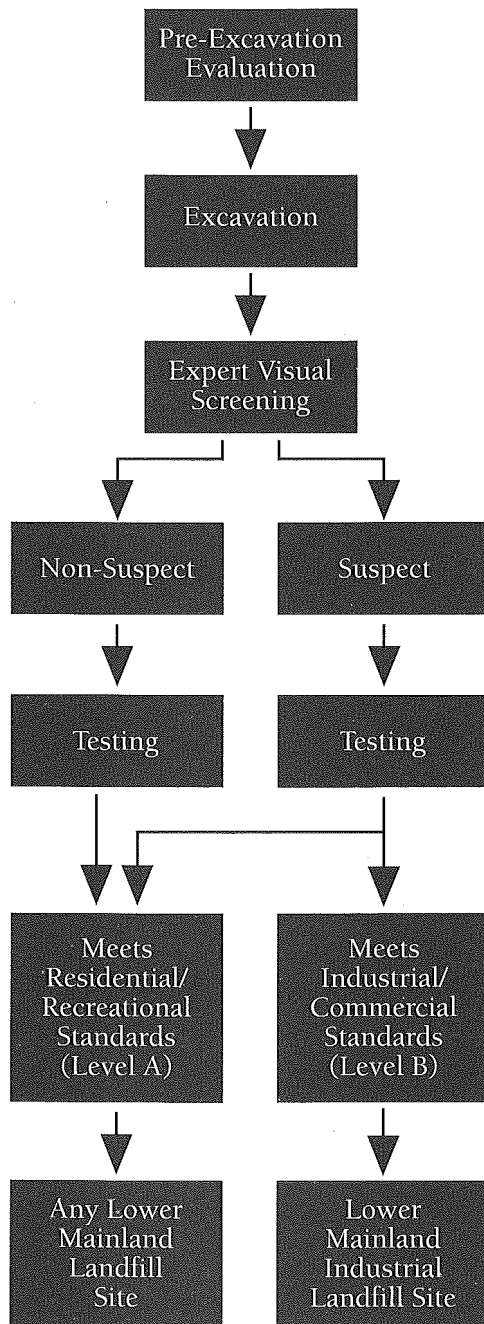
**Typical
Subsampling Plan**



Testing And Distribution Parcel 8



Scientific Sampling Process



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For Further Information

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Review of detailed technical documents
can be arranged.