



Relocating Contaminated Material

You will require a permit if you plan to relocate soil, sediment, snow or water that is contaminated above any of the standards in the *Contaminated Sites Regulation*. This guideline sets out the steps to be followed for obtaining and complying with a relocation permit.

There are additional steps that must be taken if the contaminated material is the result of a spill. Report your spill to the Yukon Spill Report Centre, 667-7244 (collect calls accepted), and then contact the Environmental Programs Branch for further direction.

Small spills resulting in less than 1m³ of contaminated soil require a relocation permit, but may be exempt from the below sampling and reporting requirements.

Applying for a Permit

You must apply for a relocation permit prior to relocating any contaminated material resulting from a spill or historical contamination. You can obtain a permit application from the Branch or online at http://www.gov.yk.ca/forms/forms/5500/yg5634_e.pdf.

In addition to completing the 2-page application form, you must also provide written approval from the landowner of the site where the contaminated materials are to be excavated, and a letter of authorization from the disposal or treatment facility which is accepting the contaminated material.

Excavate, Sample, Relocate

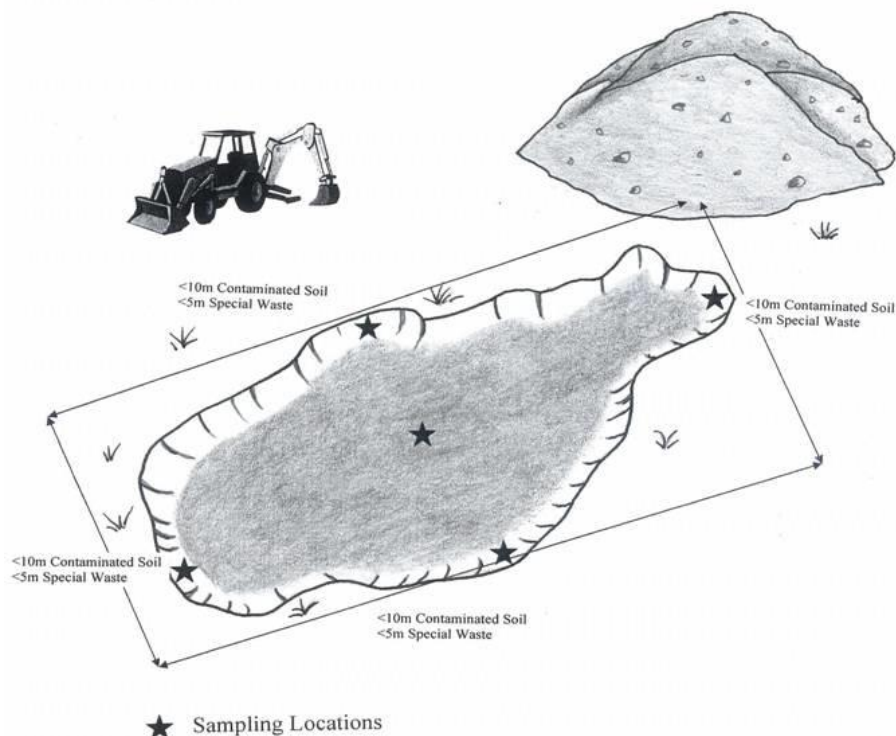
To ensure the relocation is done correctly and efficiently, hire an environmental consultant to oversee the excavation and sampling of the material. Environmental consultants have the technical knowledge and equipment, such as a PID meter, to help define the boundaries of the contamination, and are also familiar with the laboratory analysis requirements.

It is essential to follow the *Contaminated Sites Regulation* and protocols for sampling and laboratory analysis requirements. Protocol 3 and Protocol 5 provide more information on these requirements, and can be obtained online at http://www.env.gov.yk.ca/air-water-waste/contaminated_sites_regs.php#protocols

Characterization sampling requirements: Sufficient sampling of the excavated soil must occur such that each sample represents 10m³ of soil classified as highly contaminated (soil that contains concentrations of petroleum hydrocarbons in excess of 30,000 parts per million or is contaminated with a nonaqueous phase liquid), or 50m³ of other contaminated soil. The land treatment facility accepting the contaminated soil will require a copy of the analytical results characterizing this soil. The relocation permit will require these results to be submitted to the Branch.

Confirmatory sampling requirements: Following excavation of the contaminated material, the floor and walls of the excavation must be sampled and analyzed to confirm that no

contaminated material remains on site. On each excavation face, one sample should be taken for each 10 metres running length (5 metres for highly contaminated material) and for each three metres running depth. Excavation faces include the sidewalls and the base (floor) of the excavation. If possible, the excavation should not be backfilled with clean fill until the analytical results are back from the lab, in case further excavation is needed to remove remaining contamination.



Reporting

The relocation permit sets out the deadlines for submitting various documents. You may also receive a *Spills Order* from the Branch. Be prepared to submit the following information:

- analytical results of the relocated material;
- analytical results of the confirmatory samples from the removal location;
- actual volume of contaminated material relocated;
- a figure showing the three-dimensional boundaries of the excavation with the dimensions clearly marked and the locations where the confirmatory samples were taken, including the sample names as provided to the laboratory; and
- a Documentation Tracking Form accompanying items a) through d), submitted as instructed on that form. The form can be found online: http://www.gov.yk.ca/forms/forms/5500/yg5809_e.pdf

For more information on the Contaminated Sites Regulation, please contact:

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