

Cement Kiln Disposal



SOLID STABLE SOLUTIONS



BIRCO Environmental in conjunction with Lafarge Canada Cement has, over the past 20 years, pioneered the use of contaminated soils as an Alternate Raw Material in the manufacture of Portland Cement. To date BIRCO Environmental has utilized this unique re-use option for over 500,000 tonnes of contaminated soils that otherwise were destined for landfills. BIRCO Environmental is the industry leader in establishing re-use options for contaminated soils.

Cement Kilns can provide complete and safe destruction for a variety of materials while recovering their inherent mineralogical value, resulting in a process that aligns closely with the concept of sustainable development.

Cement Kilns consume large quantities of conventional raw materials in the production of the Portland Cement notably limestone and shale. Through application of BIRCO Environmental's process, qualified industrial/commercial waste by-products and contaminated soils from land reclamation projects can be used as an Alternate Raw Material (ARM). This process reuses the waste and eliminates future liability and the large costs associated with landfilling the material, resulting in a "zero waste" solution.

In order for material to be qualified and accepted as a suitable ARM for the Cement Kiln several considerations are required:

- Chemical compatibility
- Permit compatibility
- Health and safety considerations
- Financial effectiveness

Contact BIRCO Environmental so we can determine if your contaminated soil or waste material is a viable candidate for our re-use program.

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Cement Plant Material Flow Overview

