Hazardous Waste and Contaminated Soil Treatment

Entech Industries specialises in the development of turn-key chemical and industrial waste treatment processes. Whether a client has an existing treatment process that requires optimisation, or requires a tailored treatment program, Entech can provide a solution.

Entech internally develops and applies treatment technology from its advanced research laboratory located in Newcastle, Australia. This facility is equipped with state-of-the-art treatment development technologies and is supported by a number of tertiary trained chemists.

Following is a list of key services and technologies provided in this area:

- Development of chemical fixation and solidification technologies for specific applications and contaminants

- Turn-key chemical fixation and solidification technologies for the treatment of heavy metals including lead, zinc, cadmium, nickel, selenium, cadmium, molybdenum, mercury, arsenic and copper

- Turn-key chemical fixation and solidification technologies for the treatment of organic contaminants such as petroleum hydrocarbons, polyaromatic hydrocarbons and pesticides

- Turn-key chemical fixation and solidification technologies for the treatment of the inorganic contaminants cyanide and fluoride

- Treatment technologies for the reduction of hexavalent chrome to trivalent chrome

- Physical and chemical stabilisation of coal tars and coal tar contaminated soils

- Turn-key on-site and off-site treatment for a variety of hazardous wastes and contaminated soils

- Waste water treatment optimisation

- Turn-key Acid Sulfate Soil Stabilisation Treatment

Entech provides a range of batch and continuous treatment mixing systems. These systems can be used for chemical fixation and solidification treatment, along with acid sulfate soil treatment projects.