

Case Study 3

3

A purpose built windrow turner being used to efficiently mix recycled organics with the silt trap material.



TPH Contaminated Silt, Brownhill Creek South Australia

- The Adelaide and Mount Lofty Ranges Natural Resource Management Board is responsible for the periodic clearing of accumulated silt from traps on Brownhill Creek, SA;
- The sediment consists mainly of silt, leaves, and vegetative matter, and also contains a small amount of anthropogenic litter;
- Previous investigations undertaken to assess the contamination status of the material revealed elevated levels of zinc and total petroleum hydrocarbons (TPH);
- Trials undertaken by Flinders Bioremediation and Jeffries showed that composting of the silt trap material facilitated significant degradation of TPH. Subsequent blending and processing generated a product fit for horticultural applications.