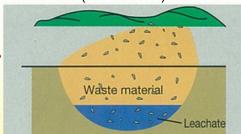
YAP'S PUBLIC LANDFILL SEMI-AEROBIC FUKUOKA DESIGN

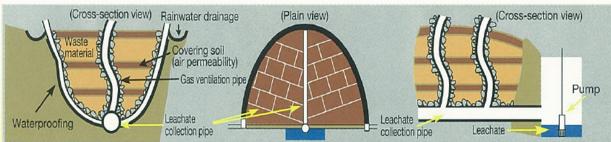
SOME TYPICAL LANDFILL DESIGNS

Anaerobic (without air) Landfill

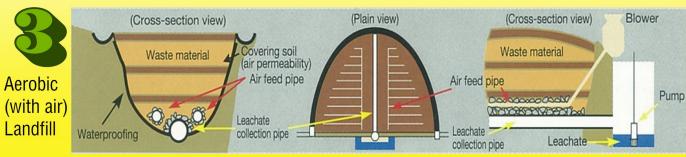


Formed by excavating an area or flatland, or disposing waste into a valley and covered with soil.

Semi-Aerobic Landfill



Leachate pipes installed are protected by small rocks, with wide cross-section open to air. Moisture inside landfill is low and kept aerobic by supplying air from leachate collection pipes.



Leachate collection pipes are installed to collect leachate; air pipes are also installed to pump air into the waste to maximize internal aerobic activity and breakdown of waste.

YAP'S PUBLIC DUMP SITE RECONSTRUCTED

Yap's only public open dump site was reconstructed following the Fukuoka Semi-Aerobic Landfill Design and re-opened in 2014.



