

THE INCINERATION PROCESS

INCINERATION OF CLINICAL AND RELATED WASTES AT SITA-MEDICOLLECT

It is understood and acknowledged throughout the world that the use of alternative technologies cannot handle all types of clinical and related wastes.

The Incineration method destroys all pathogenic, pharmaceutical, cytotoxins, sharps and anatomical wastes providing volume and mass reductions of up to 95%, whilst converting offensive matter into a innocuous mass and simultaneously providing waste heat for recovery minimizing energy consumption, a process called 'Waste to Energy'.

SITA-MediCollect's High Temperature Thermal Destruction Facility is described as the best of its kind in Australia and has been operating successfully this way since 1996.

The facility consists of a stepped heat rotary combustion chamber, inspiration chamber (incorporating heat recovery), a 2 second retention (secondary) chamber, 2 heat exchanges and cooling tower before final Air Pollution Control Equipment (A.P.C.E.).

The Air Pollution Control Equipment (A.P.C.E.) effectively collects all particulate matter, captures trace metals and organics, neutralises acid gases (HCl) and the formation of dioxins and furans in the combustion process.

The A.P.C.E. used with SITA-MediCollect's incineration process provides a highly efficient air cleaning system that sets us apart from the rest.

These state-of-the-art systems reduce the negative impacts on human health and improve the act of clinical and related waste treatment, an essential service for W.A.