

**Breaking the Mercury Cycle: Long Term Management of Surplus & Recycled Mercury & Mercury-Bearing Waste.**

**SepraDyne Thermal Desorption System:  
Synopsis of Presentation by Dick Peebles, CEO Rадuce Corporation.**

The SepraDyne Vacuum-assisted Thermal Desorption (VTD) was developed to provide significantly enhanced performance over existing thermal desorption technologies.

For any specific application, this overall performance advantage due to the unique and patented combination of high vacuum, controlled temperature, and rotation may be exploited to provide an optimum combination of benefits. These include reduced processing time, improved mercury removal, better containment, reduced temperature and enhanced temperature control, reduced dust carry-over, reduced environmental discharges, and extended equipment life.

These features are particularly important when the mercury is in the presence of radioactive or hazardous organic contaminants, requiring a high degree of partitioning between the various species. Mercury removal of much greater than 99.9%, and residual levels of mercury in the waste of much less than 10 ppm may be readily achieved with economic processing times.

The presentation will describe the technology, and present a summary of experience to-date.