

Not Just Another Pretty Face

Jensen recognized for contributions to art, science of radwaste processing



At **WM2011**, DTS President Charles (Chuck) Jensen was presented by the American Society of Mechanical Engineers, Nuclear Engineering Division, Radwaste System Operating Committee with the 2011 WMS/ASME Sarge Ozker Award.

Named in honor of M. Sacid (Sarge) Ozker, the award recognizes distinguished service and eminent achievement in the commercialization of nuclear power/energy, with particular emphasis in the field of radioactive waste management.

For over 25 years, Jensen has developed and marketed equipment, processes and media to meet the needs of those who deal with liquid radwaste. His innovations have produced savings industry-wide by increasing operating efficiency and decreasing personnel exposure and waste production.

Several of the developments pioneered by Jensen have been adopted as industry standards, including the mobile, sluicetable demineralization system (early 1980's), as well as today's use of membrane-based LRW processing systems in lieu of demineralization/ion exchange based systems. DTS's first membrane-based radwaste system, installed at Wolf Creek Nuclear Operating Station, won EPRI's award in 2000 for International Application of Innovative Technology.

More recently, DTS was awarded a U.S. patent for a radwaste reverse osmosis (RWRO) system configuration that eliminates the need to process the RO reject stream, greatly simplifying operations. The first RWRO installations have achieved record Life of Plant processing results for minimizing activity releases and waste volumes at Fort Calhoun and Seabrook.

Current projects include development of a technology for increasing efficiency for drying boric acid waste to dried solids with the DTS DrumDryer™ and a technique for recycling enriched B-10 with RWRO membrane systems instead of evaporators.