

## ASTD/TDI Project Static Report

### *Modular Out-of-Tank Evaporator and Ion Exchange System for Waste Reduction in Tanks*

<b>Focus Area:</b>	Tanks Focus Area	<b>Focus Area Manager:</b>	Marcus Glasper, (509) 372-4012
<b>TTP No.:</b>	OR08SD11	<b>Principal Investigator:</b>	Tim Kent, (423) 576-8592
<b>Lead Site:</b>	Oak Ridge	<b>Technology Vendor(s)/Commercial Partner(s):</b>	None identified at this time
<b>Project No.:</b>	98-TDI-08		
<b>Tech ID/TMS No.:</b>			
<b>Related Publication(s):</b>	DOE/EM-0373, DOE/EM-0415		
<b>Web Page(s):</b>			
<b>Description:</b>	The modular out-of-tank evaporator (OTE) Delta Thermal and cesium removal ion exchange system (CRS) offer a major improvement over baseline technologies by accelerating the clean-out and closure of underground storage tanks containing radioactive waste. Two separate systems deployed on one skid.		
<b>Application:</b>	Sites having multiple radioactive storage tanks requiring a reduction in volume and/or cesium content prior to final waste disposition		
<b>Location(s):</b>	ORNL and SRS		
<b>Technology(ies):</b>			

Cesium Removal Ion Exchange System  
 Modular Out of Tank Evaporator  
 Solid/Liquid Separation System

	<b>Funding (\$K):</b>	<b><u>FY-98</u></b>	<b><u>FY-99</u></b>	<b><u>FY-00</u></b>	<b><u>FY-01</u></b>	<b><u>Total</u></b>
<b>TTP No.:</b>	OR08SD11	\$3,175	\$5,319	\$0	\$0	\$8,494
<b>Leverage Source:</b>	EM-40					\$21,000
					<b>Funding Total (\$K):</b>	<b>\$29,494</b>

<b>Cost Savings (\$M):</b>	<b><u>Proposal</u></b>	<b><u>Deployment Plan/TTP</u></b>	<b><u>Current Focus Area Projection</u></b>
	\$124,000	Pending	\$124,000