Proper Overfill Application to Underground Storage Tanks by Delivery System

This table is to be used to design the proper overfill method to be used on underground storage tanks.

	Overfill Method		
Delivery Method	**Ball Float Vent Valve**	**Drop Tube Shut Off**	**High Level Alarm**
Pressurized Tight Fill Delivery (1)	*NO*	*NO*	OK
Gravity Feed to UST Systems with Pressurized Piping	OK	OK	OK
Gravity Feed to Suction UST Systems (2)	*NO*	OK	OK
"Stinger" Delivery (3)	*NO*	*NO*	OK
Dual Fill Delivery to Pressurized or Suction Piping UST Systems	*NO*	OK	OK
Stage 1 Dual Point Vapor Recovery	OK	OK	OK
Coaxial Vapor Recovery (4)	*NO*	OK	OK

OK – This type of overfill works with this type of system
NO – This type of overfill will NOT work with this type of system

(1) - This method applies to pressurized delivery to AST's and mounded UST's using a liquid tight connection between the delivery vehicle and the tank. This method does not apply to underground storage tanks below the liquid level of the delivery truck.
(2) – This method applies to USTs with US or European suction piping with air eliminators.
(3) – This method applies to delivery of product using any method other than one using a liquid tight connection between the delivery vehicle and the tank. Typically, this is performed using a small delivery truck with a 1-1½" hose and a large nozzle that is inserted in the fill port.
(4) – This method does not allow for the use of a ball float vent valve at all with coaxial vapor recovery. Any fill above 90% will be pushed back into the tank through the vapor portion of the tight fill camlock fill adapter.