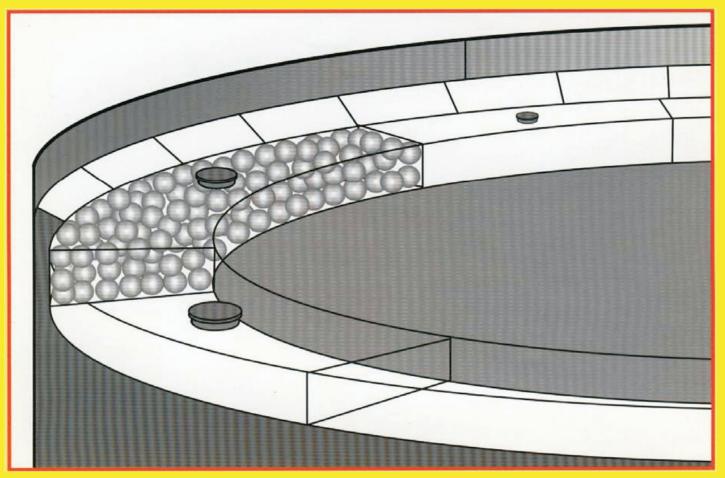
## EMERGENCY RESPONSE FOR SINKING ROOF PONTOONS



We have worked out the details of the Buoyancy Recovery System, so you can use it effectively with confidence.

## Use our buoyancy renewal kit with HOLLOW PLASTIC BALLS to keep the roof floating until the next scheduled turnaround

Our patented Anti-Static buoyancy spheres safely restore the buoyancy to the leaking pontoons. Balls are gravity fed through man-way hatch for easy installation

API 653 Reg's require tanks with two adjacent leaking pontoons to be taken immediately out of service. Use our system to easily restore the buoyancy and keep tank in service until its next scheduled turnaround

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## EMERGENCY RESPONSE FOR SINKING ROOF PONTOONS

<b>Solutions</b>	<u>Method</u>	<u>Costs</u>	Advantages	Disadvantages
Take tank out of Service	Drain, clean and gas free tank. Repair or replace roof as required	Very high! Requires cleaning and gas freeing	Total replacement is highly effective but very expensive.	Patch repairs involve significant risk of recurrent problems. Total cleaning and gas freeing required for hot work.
<u>Buoyancy</u> <u>Balls</u>	Pump liquid out of pontoons. Fill the at risk pontoons with <u>hollow plastic</u> <u>buoyancy balls</u> , to restore buoyancy	Moderate	Easiest repair to make. Only normal maintenance skills required. Can be done quickly with minimal service interruptions.	
Foam	Fill pontoons with foam	Moderate	Could restore buoyancy to pontoons that could not keep balls contained.	Requires handling of hazardous liquids, complex injection system, and hazardous waste disposal. Difficult to remove oil- soaked foam after service, and gas free pontoon for hot work. Weather dependent.
Liner	Insert inflatable liner into pontoons.	Moderate		Installation requires inserting liner in difficult places in pontoon. Single hole in liner stops installation and requires new liner to be purchased.

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Hudson Supply maintains a clear commitment to solving the customer's problems where, when and how the customer needs it.

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