

[Form 2 (to be reported to Committee on Countermeasures for Contaminated Water Treatment and to be disclosed to public)]

Technology Information	
Area	4 Management of Contaminated Water Inside Buildings
Title	Leak Sealing Spray
Submitted by	Vista EngineeringTechnologies
<p>1. Overview of Technologies (features, specification, functions, owners, etc.)</p> <p>Vista RSS has demonstrated the use of fast setting polymer mixtures to remotely seal and stop small leaks in facilities. This compound is a custom mixed polyurea which set in 1-2 secs after spraying and has significant structural strength. It can be sprayed over complex structures to seal, support and contain materials. It can be applied to a wet surface and seal small leaks with head pressures up to 9m. It is radiation resistant up to 2000KGys and resistant to temperature fluctuation.</p> <p>It can be applied as a spray over complex shapes or as a heated pad on flat surfaces. It is ideal to reinforce larger patches or degrading structures with multiple small leaks.</p>	
	

<p>2. Notes (Please provide following information if possible.)</p> <ul style="list-style-type: none">- Technology readiness level (including cases of application, not limited to nuclear industry, time line for application) The technology has had significant laboratory testing and has been deployed at Sellafield UK remotely.- Challenges Can only be used for small leaks.
3.

【Areas of Technologies Requested】

- (1) Accumulation of contaminated water (Storage Tanks, etc.)
- (2) Treatment of contaminated water (Tritium, etc.)
- (3) Removal of radioactive materials from the seawater in the harbor
- (4) Management of contaminated water inside the buildings
- (5) Management measures to block groundwater from flowing into the site
- (6) Understanding the groundwater flow