

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

Technology Information	
Area	Removal of radioactive materials from the seawater in the harbor (3)
Title	Treatment of the high level and high salt liquid RW
Submitted by	FSUE "RosRAO"
<p>2. Overview of Technologies (features, specification, functions, owners, etc.)</p> <p>Treatment of the liquid RW by filtration modules filled by special sorbents.</p>	
<p>3. Notes (Please provide following information if possible.)</p> <ul style="list-style-type: none"> <li>- Technology readiness level (including cases of application, not limited to nuclear industry, time line for application)</li> </ul> <p>Used during nuclear powered submarines decommissioning</p> <ul style="list-style-type: none"> <li>- Challenges</li> </ul> <p>Technology adaptation for the certain conditions.</p> <ul style="list-style-type: none"> <li>- Others (referential information on patent if any)</li> </ul> <p>Sorbents is patented in Russian Federation</p>	

**【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