

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

Technology Information	
Area	2 & 3 (Select the number from "Areas of Technologies Requested")
Title	Nuclear Industry Effluent Reprocessing System
Submitted by	Desiccant Dry Air Systems Ltd
<p>1. Overview of Technologies (features, specification, functions, owners, etc.)</p> <p>See separate attachment detailing both the background to the system, its operation and features.</p>	
<p>2. 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>The system is exactly what is required to do the job at hand. It was tested and monitored for a long period of time before final approval was awarded. Since installation it has been operating successfully in a nuclear industry application for over 5 years now. The cleaned water is tested hourly, and to date (five years) there have been no failures. This system is completely tested and ready for this application. We could have the first machine on site in Japan in 3 months and the final units to follow shortly afterwards.</p> <ul style="list-style-type: none"> <li>- Challenges</li> </ul> <p>The main challenge would be the timetable – testing but achievable. The only other question is the comparison between Uranium, trillium and Cesium and whether any further testing is required or if the matter exhibits the same properties in the cleaning process.</p> <ul style="list-style-type: none"> <li>- Others (referential information on patent if any)</li> </ul> <p>Contact details and references from the nuclear reprocessing facility detailed in the attachment are available should they be requested. The Springfield decontamination facility site is operated by Toshiba so the references are intra-company.</p>	