

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

Technology Information	
Area	2 (Select the number form " Areas of Technologies Requested ")
Title	Proton Torch and Complete dismantling procedure
Submitted by	Mr Poittevin S. (from France)
<p>1. Overview of Technologies (features, specification, functions, owners, etc.)</p> <p>The procedure describes the methods, required machinery and technologies especially designed for the Fukushima Dai-ichi nuclear site and previously submitted since April 25th 2011.</p> <p>It describes the dismantling area management, the sarcophagus models and nuclear resistant robotics that have to be implemented.</p> <p>It propose the Proton Torch technology to stabilize radioactive wastes (owned by Mr Poittevin S.) a special Automatized Decontamination Line that treat mud and fluids up to 360 m3 per day, and a 56,5 kW hydroelectric generator with 15'000 hours autonomy.</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>Sarcophagus model is commonly used but in human size equipment.  Proton Torch not tested due to restrictive laws.  Hydroelectric generator successfully tested as prototype.</p> <ul style="list-style-type: none"> <li>- Challenges</li> </ul> <p>Perform a temporary secured sarcophagus  Use a Proton Torch and its Automatized Line  Treat a Corium</p> <ul style="list-style-type: none"> <li>- Others (referential information on patent if any)</li> </ul> <p>Technologies are Intellectual Property Rights protected (similar to Copyright)</p>	