

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

Technology Information	
Area	5, 6 (Select the number from "Areas of Technologies Requested")
Title	Ground Freezing Capabilities
Submitted by	CDM Smith Consult GmbH
<p>1. Overview of Technologies (features, specification, functions, owners, etc.)</p> <p>Preliminary investigations</p> <p>Exploration and field tests</p> <p>Laboratory tests</p> <p>Expert report</p> <p>Design of the ground freezing job</p> <p>Controlling during execution</p> <p>See appendix</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) <p>See appendix reference projects</p> <p>See appendix resumé Helmut Hass</p> <ul style="list-style-type: none"> - Challenges <ul style="list-style-type: none"> - Others (referential information on patent if any) 	

【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