



ART Engineering, LLC

12526 Leatherleaf Drive
Tampa, Florida 33626
Phone: (813) 855-9852
Fax: (813) 961-6724
Web site: www.art-engineering.com

July 29, 2005

Federal Communications Commission
445 12th Street SW
Washington, DC 20554

Re: Support Documentation Form 442: File 0211-EX-PL-2005

To Whom It May Concern:

This form 442 is filed to obtain a license for continued use of an experimental underwater Ground Penetrating Radar (GPR) Antenna. Use of this experimental antenna was originally approved under Special Temporary Authorization (STA) (Refer to File no. 0195-EX-ST-2005; call sign WC9XDQ). Under this STA, ART Engineering LLC recently completed an underwater GPR survey to map the sediment layers of the Navy's Philadelphia Reserve Basin. The survey was completed successfully during the week ending July 29, 2005.

Based on the success of the survey, ART Engineering is filing this Form 442 to obtain a 2-yr license for use of this underwater Ground Penetrating Radar (GPR) within the United States of America.

Background Information

The experimental underwater ground penetrating radar antenna for which license is sought, is used to perform underwater Ground Penetrating Radar surveys under contract to the US Navy, US Army Corps of Engineers and US-EPA. The purpose of the surveys is to map layers of underwater contaminated silts and (clean) sand in support of environmental dredging projects being conducted by the Navy's Engineering Field Activity Northeast division, US Army Corps of Engineers and US-EPA. The portion of the GPR that will generate radio waves (the antenna) will be submerged at all times when it is in operation during the survey. For performance of the survey, the GPR antenna unit will be attached to marine vessel or boat. The marine vessel will traverse the survey area while radar is in operation.

Please let us know if you need further back-up information to support our Form 442 application. We thank you for your consideration.

Sincerely,

Erik Groenendijk (Vice-President)