



# News Release

**FOR IMMEDIATE RELEASE**

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## **RBC TECHNOLOGIES AWARDED US ARMY CONTRACT FOR MRE CHEMICAL HEATER TECHNOLOGY**

COLLEGE STATION, TEXAS, November 15, 2005 - RBC Technologies announced today that it has been awarded a \$70,000 Small Business Innovative Research (SBIR) Phase I contract by the US Army to develop an improved chemical heater for the standard operation ration, the Meal, Ready-to-Eat (MRE). Valimet, a producer of specialty materials will partner with RBC in the effort.

The MRE is a pre-packaged eight-ounce field ration entree with a three-year shelf life. The Army uses over 30 million MRE's each year. Currently each MRE is packaged with a separate flameless ration heater (FRH) consisting of a magnesium/iron mixture sealed in a waterproof pouch. When the pouch is opened to insert the MRE, and water is then added, the MRE temperature can be raised by 100°F in about 10 minutes. The current FRH, while effective, requires water for activation and produces hydrogen gas as a byproduct creating safety concerns.

In the Phase I program, RBC is to provide a proof-of-concept demonstration for a self-contained exothermic fuel composite that can be integrated into packaging configurations to provide a flameless heater for use with the MRE. The Army has stringent applications for the device calling for minimum weight, cost, complexity, and size. In addition, the product must be dispensable and maintain a three-year shelf life, which is the shelf life of the MRE. Both the packaging and activator must maintain their operational capability at temperatures from -25° F to 120° F. All materials, both packaging and heating system, shall be safe for operation, transportation, storage, and disposal (activated or not) in accordance with DOT/EPA/FAA regulations. A product form that can fulfill these requirements may have significant commercial sector potential.

The technology to be developed in the six month effort builds on the foundation of RBC's proprietary technology capabilities in energy storage materials and devices, materials containment and packaging for long shelf life in various product design formats, and device safety and thermal control for storage, transport and under abuse conditions.

RBC Technologies

News Release – November 15, 2005

Page 2

RBC Technologies is an independent development company with a diversified technology base of energy storage systems. RBC has a significant portfolio of US and international patents on these technologies, which the company commercializes through licensing and joint venture agreements with organizations seeking custom battery system solutions and next generation products. RBC has assembled a unique team to help further development, intellectual property management, and commercialization of these technologies. RBC has the full development capabilities to support the design, materials development, and prototyping of these technologies.

For more information about RBC and its technologies, including licensing opportunities, contact RBC Technologies at 979-260-1120, or on the web at [www.rcbtx.com](http://www.rcbtx.com).

Note: This release contains statements which, to the extent that they are not recitations of historical fact, may constitute "forward looking statements" within the meaning of applicable federal securities laws and are based on current expectations and assumptions. These expectations and assumptions are subject to a number of risks and uncertainties, which could cause actual results to differ materially from those anticipated, which include but are not limited to the following: ability of RBC Technologies to achieve its development goals, implement its strategy, license or commercialize its technologies, or to protect its proprietary rights to its technologies, the development of competing technologies, demand for and acceptance of RBC Technologies' products in the marketplace, ability of RBC Technologies to raise additional funds and other factors affecting RBC Technologies' business that are beyond their control. All forward looking statements contained in this summary are intended to be subject to the safe harbor protection provided by applicable federal securities laws.