

FOR IMMEDIATE RELEASE

CONTACTS:

Michael Sheppard
Chairman, CEO
Tel: 1-203-431-6665
Fax: 1-203-431-8304
msheppard@globalmatrechs.com
www.globalmatrechs.com

Stanley Wunderlich, CEO/Dan Stepanek, Media
Consulting for Strategic Growth I
Tel: 1-800-625-2236 / 1-212-896-1202
Fax: 1-212-337-8089
info@cfsg1.com / dstepanek@cfsg1.com
www.cfsg1.com

**GLOBAL MATRECHS, INC. DELIVERS NuCap™ PRODUCT
TO MAJOR OAK RIDGE CLEANUP CONTRACTOR**

NuCap Approved for Macro-Encapsulation of Radioactive and Mixed Waste in Oak Ridge, TN

RIDGEFIELD, CT., September 7, 2006 – Global Matrechs, Inc. (OTCBB:GBMR), a developer of advanced materials for nuclear and hazardous-waste containment and high-performance, nontoxic polyurethanes, announced today that it has been awarded and delivered an important order of its lead product NuCap™ to aid in the environmental cleanup of the Department of Energy's Oak Ridge Reservation.

The order was placed by Bechtel Jacobs Company, LLC, the integrating management contractor for the Oak Ridge facility, on Friday, August 25, and was promptly delivered by Dow Corning Corporation, Global Matrechs's exclusive U.S. manufacturer of NuCap. The multiple-drum order was immediately applied to work on the Melton Valley Completion Project. The macro-encapsulation of containers for radioactive material disposal is scheduled to be finished by September 8, 2006, with the option for continued use in other segments of the Project.

In addition, NuCap™ was approved by all necessary government agencies for use as a macro-encapsulant of radioactive and mixed waste in the remediation of the Oak Ridge Reservation.

NuCap, an advanced silicone geo-polymer composite that provides superior containment of radioactive contaminants, will be used to macro-encapsulate cylinders that were used to contain radioactive materials and some specialty containers for radioactive material disposal. The application of NuCap as an onsite macro-encapsulant provides immediate radioactive container coating for safe disposal. Bechtel Jacobs is working to complete this segment of the Melton

Valley project in Oak Ridge in order to meet Department of Energy accelerated cleanup schedules.

Michael Sheppard, CEO of Global Matrechs, said, “We are very excited about the order from Bechtel Jacobs and the subsequent approval for the use of NuCap™ in Oak Ridge. This is a powerful validation that NuCap’s superior radiation and corrosion-resistant qualities provide the most effective means of preventing radioactive contaminants from spreading. Fulfilling this order so promptly could not have been accomplished without the enthusiastic cooperation of Dow Corning, which delivered the order to the project grounds within two days. We believe this is the beginning of an important role for NuCap in the environmental cleanup and waste management at Oak Ridge and, potentially, at similar DOE sites burdened with radioactive wastes from the early decades of nuclear development.”

About Global Matrechs

Global Matrechs (OTCBB: GBMR) (www.globalmatrechs.com) operates a licensed technologies business. Through its licensed technologies business, Global Matrechs seeks to convert the licenses it has acquired in emerging technologies in the nuclear energy, environmental and chemical industries into manufactured products primarily through sub-licenses of those technologies to manufacturers.

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