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## **FOR IMMEDIATE PRESS RELEASE**

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### **Actodemil® Mobile Unit Demonstration Planned this summer at McAlester Army Ammunition Plant, McAlester, Oklahoma**

The Actodemil® technology for recycling munitions into fertilizer is now a step forward in achieving the U.S. DOD's vision of R<sup>3</sup> (recovery/recycle/reuse). This unique patented technology is a safe one step process that accomplishes the permanent and irreversible destruction of a number of different explosives and propellants using a chemical reaction, thereby allowing the energetic materials to be safely recycled. The Actodemil® technology offers a viable alternative to thermal treatment technology including open burn/open detonate and incineration. The Defense Ammunition Center (DAC) under the guidance of Mr. Jim Wheeler and Dr. Solim Kwak very ably supported the ACTODEMIL™ technology over the last three years.

Demonstration of the mobile prototype unit is planned this summer at the U.S. Defense Ammunition Center, McAlester, Oklahoma. The demonstration will help establish that the process equipment setup functions smoothly and that each of the pieces of equipment is able to accomplish the activity it was designed to perform. The results from these tests will be used to refine information on process economics and develop information for full-scale operations.

The final product from the process is ready for land application as a fertilizer product, and is comprised of nitrogen, phosphorus, and potassium along with humic acid, which makes it an effective humate fertilizer. The nitrogen contained in the munitions is safely and effectively recycled using this process. The munitions stockpiled at various installations in the U.S. and at overseas locations offer a tremendous opportunity for producing humate fertilizer for agricultural applications. For example, one hundred thousand tons of munitions contain sufficient nitrogen to grow almost 1.5 million bushels of corn. The technology is also applicable for treating other energetic wastes such as rags, turnings, dust, floor sweepings, and other laboratory and manufacturing wastes.

During the demonstration one day is set aside for technology demonstration briefing. At this briefing, information package will be handed out to all participating personnel from OSC, DAC, and from various other Depots and from industry. The briefing package shall contain information, at a minimum, on the equipment, details of the demonstration tests, data obtained from the tests, and conclusions and observations from the tests. All personnel are encouraged to attend.

**Please contact Mr. Jim Wheeler at (918) 420-8901, or Dr. Solim Kwak at (918) 420-8618 for information on the demonstration testing and how and when to attend the briefing day.**