

**Camp Minden M6 and CBI Potential Technology Screening Information**

<p>Name of Technology</p> <p>Vendor Contact Information</p> <p>Website or link to additional information</p>	<p>Please describe how your technology or process works and the equipment involved. Is this existing equipment or does it need to be fabricated? Is a donor explosive required?</p>	<p>Has your technology/ process been tested or used with M6, CBI, propellants, or similar materials? What permits or approvals do you have in hand? Describe actual uses, volumes treated, and results of tests or applications for M6 like materials.</p>	<p>Can your technology/ process be implemented on-site at Camp Minden? How long would it take to mobilize, install and be ready to treat material? Would it require any extra handling or preparation of the M6 and CBI? What are the key space and logistical requirements for your installation on-site including storage of residues/wastes?</p>	<p>What is the Destruction Efficiency of your process? What is the nature of the residues/wastes that will remain, and what processes/disposal/ recycling will be used for this residue/ waste? What percent volume reduction (or addition) is achieved?</p>	<p>What is the nature and composition of any emissions? How are emissions Monitored, captured, tested, treated and ultimately disposed? What potential hazards to workers, other on-base personnel and nearby residents should be considered and how are they managed?</p>	<p>What is the highest throughput you have achieved you're your process? What is the reasonable maximum daily capacity/ throughput you believe you could achieve at Camp Minden? What is the reliability and maintenance requirements of your equipment? Is it subject to weather?</p>
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<p>DAVINCH</p> <p>Theodore M. Procriv</p> <p><a href="mailto:tprociv@aol.com">tprociv@aol.com</a></p> <p>703-887-4141</p>	<p>DAVINCH is a stand-alone proprietary instrument/chamber, designed to destroy munitions, both chemical and conventional though a phenomenon termed "shock Induced Chemistry. A DAVINCH required approximately one year to fabricate because of the unique laminated wall technology used to guarantee its strength and integrity. We have a unit that can be possibly diverted to your project stored in a warehouse in Salt Lake City. Donor charge is used with Chemical agents. Our experts believe that for M6 propellant, only an igniter will be necessary.</p>	<p>DAVINCH has no experience with M6 propellant. The system has destroyed over 4500 chemical weapons internationally to date, and countless conventional munitions in Belgium only. These however were WWII weapons and did not have M6 as part of the weapons systems. Kobe has successfully demonstrated the destruction of a mock up of an M55 rocket with motor attached . The unit in Utah has an air quality and a RCRA permit from that state. Likewise it was approved by DDSB for use with mustard munitions.in addition to numerous overseas permits. The volume treated is limited by the size of the chamber. A DV 60 is approved for 60KG of TNT equivalent per shot. Nitrocellulose is rated at 60% equiv of TNT</p>	<p>A DV 60 can be transported on US Roads and will take approximately 5weeks to become operational. This excludes systemization and verification which could take up to two weeks more barring any unforeseen circumstances. Certain International units have robotic loading systems, others are loaded manually. There is no record of accident or incident at any site.</p> <p>The system can be built on a footprint approximately 80'x40' excluding the HTR "hold test and release" system. The waste stream will contain only metal scrap which will be clean as a result of processing.</p>	<p>Destruction efficiency is calculated and verified at 99.9999 %. Metal scrap waste is recycled. Volume reduction is the ultimate result but varies and depends on the material disposed.</p>	<p>After the shot, the air is evacuated from the chamber run through a flameless oxidizer, compressed and isolated for analysis. It is only released after it is determined to be clean, thus, HTR.</p> <p>DAVINCH has operated since 2002 with no accidents incidents, or complaints from workers or neighbors. Each shot is conducted under a reduced pressure thus muffling the sound to a very low level thud. There were no noxious or odiferous emissions and</p>	<p>The throughput is based on the total quantity of explosives with a limit of 60 kg. They loaded chamber can be fired approximately every hour. If donor charge is necessary then possibly every 90 min the system has been operated. In both to and three shift configurations. Options to increase the throughput include adding a second or third DAVINCH to the site or increasing the capacity of additional an additional to 90 kg. Kobe Engineers have already designed the antechamber.</p>
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