

Camp Minden M6 and CBI Potential Technology Screening Information

Name of Technology Vendor Contact Information Website or link to additional information	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?	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.	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?	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?	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?	What is the highest throughout 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>Bridge Process</p> <p>CO2AL, LLC Ian Bishop (713)562-6616</p> <p>Ron Presswood (281)831-2692</p> <p>www.co2al.com</p>	<p>The Bridge Process is an exothermic anoxic molten alloy process. The process has been tested up to 20kgs. We have machine designs for larger volumes of molten alloy. The machine will have to be built but can be built in less than 4 months,</p> <p>No donor explosive is used.</p>	<p>The process has not been tested for M6, CBI.</p> <p>The process has been used to reduce similar Carbon Hydrogen and Oxygen, one example being lignite coal, with the resulting off take of carbon, sulfur and various short chain hydro carbons.</p> <p>Looking at the chemistry from the MSDS sheet for M6, the off takes will be elemental Carbon, Alumina, Aluminum salts and gaseous Nitrogen and Hydrogen</p>	<p>The machine will be designed specifically for this application. We can have the machine in place and operating within 6 months of a signed contract. No addition preparation is needed for the M6, more information is needed for the CBI.</p> <p>We will need the space of 3 semi-trailers for the machine. The Alumina, Carbon and Sulfur can be stored in a trailer for transportation off site.</p>	<p>100% efficient. The offtake will be elemental Carbon & Sulfur, Hydrogen, Nitrogen, Alumina and some Alumina salts.</p> <p>The Carbon, Sulfur and Alumina can be sold at market value.</p> <p>Nitrogen is recycled in the process and vented.</p> <p>Hydrogen can be captured or burned.</p> <p>The excess heat is either used for cogen or run though heat exchanger.</p>	<p>The only emissions are heat, Alumina, salts, elemental Carbon and Sulfur which are captured, Hydrogen which is captured or burned and Nitrogen which is recycled in the process or vented.</p> <p>None of these present a risk to the local population or workers.</p>	<p>The machine can be sized to match needed throughput. The machine is designed to with limited maintenance.</p> <p>It is not subject to weather.</p>