

**EPA Questions on Various Technology Presentations**  
**March 6, 2015**

**Technology**

- 1) Please provide a detailed description of your technology.
- 2) Please include a process flow diagram.
- 3) What are your utility needs (daily quantity)? (i.e., fuel, electricity, water, etc.)
- 4) Other than M6 and fuels, what quantity of other raw material or treatment material you will use (major materials only; no proprietary chemical information) in your treatment process.
- 5) Any special needs required?
- 6) What are the controls in place to prevent an explosion, excessive heat, or uncontrolled reaction?
- 7) What pretreatment (i.e., grinding, slurry, etc.), if any, is required? Please provide a detailed description.
- 8) How will the propellant be handled prior to treatment?
- 9) Has this technology ever been approved by Department of Defense Explosive Safety Board for use at a site?

**Equipment**

- 1) Detailed description of each piece of equipment. This includes pollution control equipment.
- 2) Describe Siting and footprint requirements. (i.e., distance between multiple units, etc.)
- 3) Any specialized equipment for handling/transporting and/or pretreating the propellant? Please describe.

**Relevant Experience**

- 1) Please describe your direct experience in handling and treating **bulk** M6 Propellant. This description should include volumes, where, and was it a bench scale or full scale operation.
- 2) Please describe your experience in handling and treating **bulk** propellants similar to M6. This description should include volumes, where, and was it a bench scale or full scale operation.
- 3) Describe how you will manage/handle the M6 and CBI from bunker to disposal of the waste generated in your process.
- 4) Do you have sufficient capital to build all of your facilities prior to receiving funds from Louisiana National Guard?

**Capacity & Throughput**

- 1) What is the throughput of an individual unit on an hourly basis?
- 2) Can this technology operate 24/7?
- 3) For a Batch process, describe the time for each batch, and break out the loading and unloading time along with the actual treatment time.
- 4) How many units will be used?
- 5) What kind of maintenance is required and how long will the unit be off-line?

**Waste**

- 1) Describe in detail the continuous air monitoring equipment used for this technology.
- 2) What is the maximum Destruction and Removal Efficiency of organics on an ongoing basis and how will you ensure that it is met?"
- 3) What is the estimated overall volume of waste from this technology? This includes all waste streams – air, water, and solids.
- 4) How will you monitor/sample for each constituent in M6 and CBI in your waste stream?
- 5) What are the plans for disposal of wastes generated by this technology?

**Health and Safety**

- 1) Please describe any unique health and safety issues associated with the technology. This will include using multiple units and the potential for a propagating explosion or uncontrolled chemical reactions.