



January 18, 2018

Mr. John R. Garman
Team Crucible, LLC
60 Jack Ellington Rd.
Fredericksburg, VA 22406

jgarman@team-crucible.com

**RE: MT2 REVIEW AND PREPARATION OF DOCUMENTS FOR LEAD MITIGATION
TEAM-CRUCIBLE TRAINING COMPLEX, SPOTSYLVANIA COUNTY, VA**

Dear Mr. Garman:

Team Crucible, LLC (Team Crucible) is in the process of applying to the County for the building of its new training facility in Spotsylvania County, Virginia. Metals Treatment Technologies, LLC (MT2) understands that Team Crucible, as part of its design and permitting process, is committed to developing and implementing a lead mitigation plan that protects the environment and its business interests.

Throughout the last seven months, MT2 has reviewed various plans and supporting documents developed by Team Crucible and has provided comments and recommendations to align the design with United States Environmental Protection Agency (USEPA) Best Management Practices (EPA-902-B-01-001, Revised June 2005). Some of the key design elements include:

- Commitment to develop and implement an Environmental Stewardship Plan (ESP), which will include management actions, such as monitoring and reclamation actions, that will mitigate lead migration from the ranges.
- Construction of range backstops using horizontal bullet catchers and sand traps to mitigate ricochets and augment lead reclamation
- Permanently install and maintain wired silt fencing in areas where the ranges cross small drainage courses or abut Resource Management Areas (RMA)
- Construction of the ranges with engineered surface grading to allow for sheet flow to reduce erosion and water velocities, and direct surface waters to grassed drainage swales
- Install and maintain limestone check dams within the drainage swales
- Install and maintain water retention structures that collect surface waters from the drainage swales. These structures will be lined with limestone cobbles to allow for infiltration or they will be evaporation basins based on a Professional Engineer's design.
- Maintain grass in the swales to reduce erosion and lead migration
- Periodic monitoring of the pH of range floors and other selected areas; the results of which will be used to determine lime application to maintain pH levels above 6.5



- Regular accounting of accumulated bullets for purposes of determining when lead reclamation activities will be considered
- Implementing periodic lead reclamation, which includes the recycling of collected bullets and larger lead fragments.

If you have any questions or require further assistance, please contact me at 303-456-6977 or David Andrews at 203-803-0554.

Sincerely,

A handwritten signature in black ink that reads "James M. Barthel".

James M. Barthel, CEO; MT2, LLC