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## Depleted Uranium Test Range Fragment Reclamation

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**Abstract:** This report summarizes the efforts of a two-phase program aimed at reclaiming depleted uranium (DU) alloy fragments generated from the testing of GAU-8 penetrators at Eglin Air Force Base, Florida. Phase I developed methods of separating, cleaning, and melting the DU fragments. Four separate melting and casting heats were made and evaluated. Excellent chemical quality was established and the casting yields were better than 97 percent. Phase II efforts manufactured 150 GAU-8 penetrators of acceptable quality from the material reclaimed in Phase I. Acceptable commercial products were also cast from the reclaimed DU alloy to demonstrate an additional application for the material.

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