Inventory of Legacy Excess Radioactive/Hazardous Materials Details (as of 2-26-15)

Excess Material	Description
Depleted Uranium Ingots	Depleted uranium ingots generated by Experimental Breeder Reactor II irradiated blanket material processing. Consists of 116 depleted uranium ingots generated during processing of EBR-II blanket fuel. The DU ingots range from 11,000 to 56,000 grams in weight. Typical depleted uranium material contains: Zr93, Cs137, U235, Np237, numerous radioisotopes of Pu, and U238. The material is well characterized, contains between 69g and 1000 g fissile material and ≥ 100 nCi/gm of transuranics. This material is covered by the "*Final Environmental Impact Statement for the Treatment and Management of Sodium-Bonded Spent Nuclear Fuel*", DOE/EIS-0306, U.S. Department of Energy, July 2000.
Empty Fermi Drum	Approximately 1,400 empty Fermi drums stored in 17 relocatable storage units near the Radioactive Scrap and Waste Facility at the Material and Fuels Complex. The drums have low levels of radiological contamination and are RCRA empty; sodium residue must be reacted to meet LLW disposal facility waste acceptance criteria.
MFC Contaminated Equipment Storage Building used in EM's Gas Generation Experiment Components	Components include a ROSS Orbital mixer that is contaminated and contains oils in hydraulic system. The mixer is 4,100 lb (5.5 × 8 × 8 ft) and packaged in a wooden box that is not suitable for disposal. The oil is polychlorinated biphenyl (PCB) free, with a radiological level of 0.15 mR/hour at 1 inch. Miscellaneous equipment used as part of EM's Gas Generation Experiment, including pressure transducers and canister equipment; pressure venting rig, a scale, thermo couples, roto-flex pump, electric hoist; and other miscellaneous equipment packaged in a wooden box.