

**KY-665, "SAFETY ANALYSIS REPORT ON THE
"PADUCAH TIGER" PROTECTIVE OVERPACK FOR
10-TON CYLINDERS OF URANIUM HEXAFLUORIDE"
REVISION 1
REMOVE/INSERT INSTRUCTIONS**

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CHAPTER 6.0 CRITICALITY EVALUATION	
Chapter 6 None	Chapter 6 6.5-1 6.6-1

6.5 Critical Benchmark Experiments

The validation of the computer code and cross-sections was made against a series of 51 critical experiment benchmarks as described in Sections 2.2 and 4.2.5 of the ORNL/TM-11947 report.

6.6 References

1. ASTM Standard C787, *Standard Specification for Uranium Hexafluoride for Enrichment*.
2. ASTM Standard C996, *Standard Specification for Uranium Hexafluoride Enriched to Less Than 5% ²³⁵U*.
3. ORNL/TM-11947, *Criticality Safety Review of 2-1/2-, 10-, and 14-Ton UF₆ Cylinders*, B. L. Broadhead, Martin Marietta Energy Systems, Oak Ridge National Laboratory, October, 1991.