

Results from Testing at the Anniston Chemical Agent Disposal Facility			
		SDC Test Condition 4b Adjusted to 72 lbs/hr feed Average Emissions in lbs/hr	MPF Test Feeding Drained Mustard Munitions Adjusted to 72 lbs/hr feed Average Emissions in lbs/hr
Volatiles		3.78E-05	1.67E-04
Semi-Volatiles		5.45E-05	1.91E-04
Total Metals		1.12E-04	2.26E-04
Lead		6.03E-07	1.13E-06
Cadmium		7.37E-08	4.22E-07
Mercury		2.88E-06	5.79E-06
Dioxin/Furans			
Total OCDD		1.63E-14	6.90E-10
Total OCDF		6.94E-15	9.61E-10
2,3,7,8 TCDF*		1.26E-12	6.48E-11
2,3,7,8 TCDD**		2.38E-12	6.48E-11

Mustard Feed rate for SDC Condition 4b (completed 12 August 2011) was 56.65 lbs/hr. Mustard Feed rate for MPF Test While Feeding Drained Munitions (completed on 5 October 2009) was 101.88 lbs/hr. Adjustment of SDC and MPF emissions tests to 72 lbs per hour assumed to be a linear.

Many individual compounds were non-detected during emissions testing. In case of non-detects, detection limits were used in the calculations.

*2,3,7,8 TCDF is the only dioxin/furan detected during the SDC mustard test and is one of the congeners that make up Total OCDF (octa chlorinated dibenzo-furans).

**2,3,7,8 TCDD is considered the most toxic of the Dioxin/Furan and is one of the congeners that make up Total OCDD (octa chlorinated dibenzo-p-dioxin). It was never detected in any of the tests that make up this data comparison.

Risk assessments using unadjusted emissions results indicate the ANCDF and SDC operated in a manner protective of human health and the environment.