

SDC 2000 CRITICAL RCRA PARAMETERS for VX Campaign						
Item	System	Parameter Description	Instrument Tag	Units	Critical Point (Note 1)	Setpoint (Note 3)
1	SDC2000	Detonation Chamber Static Pressure	PISA+A++12007	PSI	< 220	< 174
2	SDC2000	Detonation Chamber Temperature Indication (Bottom)	TICSA-A+SA++12021	°F	≥ 1000 (Note 4)	1000 - 1292
3	SDC2000	Detonation Chamber Temperature Indication (Conical)	TICSA-A+SA++12054	°F	≥ 1000 (Note 4)	1000 - 1292
4	SDC2000	THO Temperature	TIC310 (Note 2) TICS±31001 TICS±31002 TICS±31003	°F	< 1800 (Note 4)	1800 - 2102
5	SDC2000	Thermal Oxidizer (THO) Pressure	PICA±310 (Note 2) PICS±31006 PICS±31007 PICS±31008	PSI	< 0.7 (Note 4)	< 0.010
6	SDC2000	Quench Tower Discharge Temperature	TISA+344 (Note 2) TICS+34401 TICS+34402 TICS+34403	°F	< 212	< 194
7	SDC2000	Bleed Water Tank Level	LISA+43003	%	≤ 100	15 - 95
8	SDC2000	Mist Water Tank Level	LISA42004	%	≤ 100	15 - 95
9	SDC2000	Waste Water Tank Level (Two Tanks)	LIT606A LIT606B	%	≤ 100	< 95
10	SDC2000	Off-Gas Treatment System (OTS) Stack (GB)	AIT-5017 AIT-5018	VSL	< 1.0 (Note 5)	< 1.0
11	SDC2000	Off-Gas Treatment System (OTS) Stack (VX)	TBD	SEL	≥ 30 (Note 6)	<30
12	SDC2000	HVAC Carbon Filter Unit Exhaust	AIT-5012 AIT-5014 AIT-5016	VSL	< 0.5 (Note 7)	< 0.5

## Notes

- 1 Critical point is the point at which if an exceedance occurs the result is a RCRA violation.
- 2 Signal is average of listed instruments, minimum 2 of 3.
- 3 Setpoint is the target operating range.
- 4 Applicable only if destruction timer has not elapsed, or during extensions of the destruction timer for a delayed destruction event.
- 5 Alarm level is set at 1.0 VSL.
- 6 Alarm level is set at .33 SEL (10 VSL)
- 7 Alarm level is set at 0.5 VSL.