Laser Specs and Hazard	d Analysi	S			
Inventory Number:					
Laser Type:					Class:
Embedded Laser:	у	n			Class of embedded laser:
Manufacturer: Model: Serial Number:					
Tunable:	У	n			Wavelength(s):
Power/Energy Output:					
CW/Single Pulse/Multi	ple Pulse	e/Combi	nation		
Pulse Duration:					PRF:
Beam divergence:					Emergent Beam Diameter:
Lens Focal Length:					Beam size at lens:
Numeral Aperture:					Model Field Diameter:
Beam Path					
Totally Enclosed			У	n	
Limited Open			У	n	
Totally Open			У	n	
Potential for Stray Beams			У	n	
Non-reflective surfaces in path			У	n	
Flammable/combustible materials			У	n	
Laser Control Area:	Class 3	В	Class 4		Temporary (maintenance/alignment/other)
Notes:					

MPE1	@time 1	@wavelength 1			
MPE2	@time 2	@wavelength 2			
MPE3	@time 3	@wavelength 3			
Nominal Hazard Zone					
		@MPE			
Lens on Laser		@MPE			
Diffuse Beam		@MPE			
Reflectivity		_ viewing angle			
Optical Fiber		@MPE			
Eyewear: Required OD1		@MPE			
Eyewear: Required OD2		@MPE			
Non-Beam Hazards					
(When questions below ar	e answered with a 'T', the	se items will require further investigation	1.)		
Possible Airborne Contami	nants				
Base materials of targets:					
Laser gases:					
Dyes/solvents:					
Class 4 laser radiation inter	acts with target materials	in the absence of mechanical ventilation	Т	F	
The processes requires mo		Т	F		
The process requires period	dic change of ventilation fi	lters	Т	F	
Secondary containment for	dye solvent reservoirs is a	absent	Т	F	
Reactive and/or toxic gases	are used to generate lase	r radiations	Т	F	
Laser gases are used in a flo	ow through mode		Т	F	
Detential for alastically	unda				
Potential for electrical haza The equipment is not listed		ndent testing lah	т	F	
			T	· F	
Employees are not authorized and qualified to work on electrical equipment					

T F

There are bare metal terminal plugs near internal power transformers

There are bare metal connections in access panels

There is no provision to discharge, short, or ground capacitors						
Grounding sticks and shorting straps are no in good condition						
There is no emergency 'off' switch in the laser electrical circuit						
Potential for exposure to plasma or collateral radiation						
The laser has high voltage in excess of 5kV						
The laser has a thyratron switch accessible during service	Т	F				
The process uses a carbon dioxide laser	Т	F				
The target material is metal	Т	F				
The discharge tube is accessible and made of quartz	Т	F				
The output of the flash lamp is accessible	Т	F				
The laser is operated with interlocks defeated and protective housings removed	Т	F				
Potential for noise exposure						
The laser is a pulsed excimer laser						
The laser is transversely excited atmospheric (TEA) carbon dioxide laser						
The laser is used to dissociate gas molecules						

Notes: