



The University of Sheffield -

Risk Assessment Form

PERSONS AT RISK : (X) Employees () Contractors () Public () Visitors (X) Others		Reference No:		
Risk: (H) High (M) Medium (L) Low (O) No Risk.		Environment: Laser laboratory		
TASK or ACTIVITY: Use of Class 3B & Class 4 lasers (generic assessment)		INITIAL RISK RATING		FINAL RISK RATING
SIGNIFICANT HAZARD	RISK	RATING	EXISTING CONTROL/PROPOSED CONTROL MEASURES	RATING
Laser light	Permanent damage to eyes and skin (Cl 4)	M	1. Restrict access to authorised staff during setting up procedures	}
			2. Staff using lasers to have received specific laser safety training	}
			3. Laboratory access door to have appropriate warning signs	}
			4. All operators to wear appropriate eye protection when adjusting	}
			beam path or intensity or if any risk of reflection (See Comments)	} L
			5. Scheme of Work detailing specific precautions for alignment procedures	}
			6. Laser equipment to have appropriate warning signs affixed	}
			7. Where possible enclose all parts of the beam which require little	}
			or no adjustment or which expose workers to high risk of injury	}
HV supplies and electrics	Shock, burns, fire, arcing or death	M	1. HV supplies turned off when not in use	}
	Damage to equipment		2. Never leave unconnected	} L
			3. Extension sockets must be mounted above floor level	}
Trip hazards - trailing cables & water pipes	Falling onto optical bench - personal injury & damage to equipment	M	1. All cables and pipes to run under walkway ramps	}
			2. All walkways to be kept clear of obstructions.	} L
Comments:			Overall Risk:	L
If cryogenes are used during laser work refer to risk assessment on "Use of Cryogenes in laboratories and storage areas"				
Eye protection to be used must protect against the specific wavelength(s) of the laser(s) in use and must be of appropriate optical density				
Additional References, Tasks etc				
BS EN 60825 Parts 1 & 14, and the University of Sheffield Local Rules for Laser Safety Section 5				
University of Sheffield Health & Safety Code of Practice Part III section 12				
Undertaken By:				
Other Persons Consulted:				
Date:			Revision Date:	28/06/2005