MTU Department of Chemical Engineering 2008 Laboratory Safety Inspection Checklist

Room I	Number:	Laboratory Supervisor:			
Inspect	tor:	Date:			
2. H 3. V	Completed emergency Exits not blocked Window on laboratory	$\mathbf{Y} = \mathbf{Y}\mathbf{es}$ information labels posted outside room door not covered posted on inside of door	N = No	N/A = Y N D D D D D D	Not Applicable N/A Mandatory
5. I	Fire Extinguisher:	Available within laboratory Clearly visible Not blocked Annual inspection is up-to-date Correct for flammables present			□ □ □ Mandatory □
6. 5	Safety shower:	Available within laboratory Clearly visible Not blocked Annual inspection is up-to-date			□ □ □ Mandatory
	Eye wash: Spill kits:	Available within laboratory Clearly visible Not blocked Annual inspection is up-to-date Available within laboratory if chemicals present Clearly visible			□ □ □ Mandatory □ □
	sekeeping	Not blocked Appropriate for chemicals present (includes mercury)			Mandatory
	Counters and floor cle No food or evidence f				Mandatory
1. 2. 3.	3. All cylinders secured in place				
D. Mec 1. 2.	hanical Guarding Machine guarding in p Sharps disposal contai	place iner available if hypodermic needles present in lab			
E. Elect 1. 2. 3. 4. 5.	Electrical cords - not p Circuits feeding poten No exposed and energ Electrical panels are n				☐ Mandatory ☐ ☐ ☐ ☐

Laboratory Safety Inspection Checklist, p. 2 Lab No. F. Ventilation Y Ν N/A 1. Laboratory hood sash is in working order - not stuck, broken, or removed 2. Equipment or materials do not obstruct air flow 3. Hood interior is clean, uncluttered, and not used as storage 4. Air flow rate is posted or flow gauge is present(between 80 - 120 fpm) 5. Air flow indicator on hood shows positive indication of hood function **G.** Personal Protective Equipment 1. Appropriate safety eye wear is worn Mandatory 2. Appropriate shoes worn ☐ Mandatory 3. Necessary PPE available Mandatory H. Chemical Storage Chemicals in open kept to a minimum Mandatory 1. 2. Flammable/combustible liquids stored in safety cans or flam. stg. cabinets Mandatory 3. Flammable storage cabinets grounded Mandatory 4. Incompatible chemicals, i.e. acids and bases, stored separately 5. Chemical containers are properly labeled ☐ Mandatory 6. Chemical storage cabinets labeled I. Chemical Waste Management 1. Chemical wastes stored in proper containers and location All chemical wastes in labeled containers 2. All chemical wastes in compatible groups 3. Chemical waste disposal done regularly 4. J. Hazard Communication 1. MSDS sheets available for all non-R&D chemicals in lab Mandatory 2. Safety Manual accessible 3. Emergency response phone numbers permanently marked on the phone 4. Chemical inventory is up-to-date and available ☐ Mandatory 5. Standard operating procedures (SOP) are available Mandatory K. Glassware 1. Properly stored Chipped, broken, or scratched glassware is disposed of 2. Broken glass container provided 3. L. Drying Ovens 1. JSA's for use are on file and followed. 2. A logbook is used to document use. 3. Direct-heated ovens are not used to dry flammables. 4. Mercury thermometers are not used in ovens. 5. Ovens used to dry materials that off-gas toxic or noxious vapors are located in a hood. M. Compared to last inspection

Improved

About the same

Conditions are worse

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Lab No._____

All items with a NO response are NOT in compliance.

Mandatory items must be in compliance for every inspection – failure to comply might result in immediate laboratory closure.

All other items must be corrected before the next inspection. These items will become mandatory for the next inspection.

Provide specifics on all items marked "no" above either in the space below or on an attached separate piece of paper. Also list special hazards or conditions not covered on this form.

	Mandatory Items:	In compliance	Not in Compliance	
Signatı	ures of Inspectors:		Date:	
Signatu	ure of Lab Supervisor(s): _		Date:	
Signature of Department Chair:			Date:	
Feb 200	8			

Feb, 2008