Safety Training Walkthrough

MPRF: SAFETY MANUAL

I. E	MERGENCY PROCEDURES / PROTOCOLS []	
A.	Life-Threatening Emergency Procedures	
В.	Non-Life-threatening Accident / Emergency Procedures	
<i>C</i> .	Fire / Emergency-Evacuation Alarm Procedures	
II. PERSONNEL []		
A.	Access	
В.	The "Buddy"	
<i>C</i> .	External (Non-UTK) Users of MPRF	
III. SAFETY EQUIPMENT []		
A.	First Aid Kit	
В.	Fire Extinguishers	
C.	Chemical Showers and Eye Wash Stations	
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D.	Automatic Fire Sprinkler System	
E.	Chemical spill Clean-up / Containment	
F.	Calcium Gluconate Gel for HF Exposure Treatments	
IV. CHEMICAL SAFETY []		
A.	MSDS sheets	
В.	De-Ionized Water	
<i>C</i> .	Cyanides	
D.	Solvents	
E.	Acids	
1	. Special Word about HF (Hydrofluoric Acid)	
F.	Bases (Caustics)	
G.	Flammable and Combustible Chemicals	
Н.	Toxic Chemicals	
I.	Photoresist and Developers	
J.	Cryogens (Liquid Nitrogen, Liquid Helium, Solid CO2)	
<i>K</i> .	Waste Disposal	
L.	Chemical Spills	
М.	Unknowns	
<i>N</i> .	Compressed Gases	

V. SAFETY GUIDELINES []	v avn	
A. Chemistry Reminder Summ	•	
MPRF: OPERATING PROCEDUR	RES	
I. GENERAL OPERATIONS POLICY	<u> </u>	
II. PROPER ATTIRE[]		
A. The Need for Gowning		
B. The Gowning Order		
C. Appropriate Street Clothes	5	
D. Eye Protection E. Additional Protective Wea	**	
III. PERSONAL BEHAVIOR WITHIN		
A. Lab Entry and Exit	WIF KI ⁻ []	
B. Inappropriate Behavior		
C. Visitors to MPRF		
	105	
<i>D</i> . • •	-	
IV. EQUIPMENT PROCEDURES [A. Scheduling Equipment		
B. Equipment Etiquette		
C. Equipment Manuals		
D. Introducing New Equipme.	nt	
E. Equipment Repair		
V. CHEMICAL PROCEDURES []	
A. Standard Chemical Invent	ory and Availability	
B. Chemical Etiquette		
C. Chemicals and Process Tr		
D. Introducing New Chemica	ls	
APPENDIX A: EMERGENCY EVACUATION PLAN []		
I. PURPOSE: EMERGENCY EVACUA		
II. FIRE ALARM EVACUATION – FROM MPRF []		
III. TOXIC GAS ALARM EVACUATION	N – FROM MPRF []	