

JOB/TASK NAME EB0051 ENVIRONMENTAL ENGINEERING LABORATORY		DATE 5/31/2012	
JOB TITLE PERFORMING THE JOB/TASK Instructors, Teaching Assistants, Students			
REQUIRED PERSONAL PROTECTIVE EQUIPMENT		<ul style="list-style-type: none"> • Refer to <i>Chemical Hygiene Plan – Environmental Engineering Laboratory Room EB0051</i>. • Safety glasses, face shield, gloves, work boots/shoes as required by the particular work being done. • See detailed instructions in individual laboratory experiment procedure handouts for Personal Protective Equipment required for certain operations. 	
EQUIPMENT / TOOLS REQUIRED FOR JOB (Complete Tool Inspection Prior to Start of Job):			
Various. Refer to <i>Chemical Hygiene Plan – Environmental Engineering Laboratory Room EB0051</i>			
JOB STEPS		POTENTIAL HAZARDS	HAZARD CONTROL METHOD
1.	Safety Training	See items listed below	1) All persons actively engaged in laboratory activities must have safety training. The training shall include the following parts: <ul style="list-style-type: none"> a) General Laboratory Rules b) Laboratory Experiment Procedures c) Personal protective equipment (PPE) d) <i>Chemical Hygiene Plan – Environmental Engineering Laboratory Room EB0051</i>
2.	Housekeeping	a. Slips, trips, falls b. Dust	2) Keep work area clean and clear of debris and liquids. 3) Be aware of everything going on around you. 4) Keep an eye on fellow workers and alert them of any potential risk/harm. 5) Keep the floor and bench tops clean.
3.	Attire	a. Chemical exposure	6) Refer to Chemical Hygiene Plan and the laboratory procedure for experiment-specific PPE requirements. 7) No open-toe shoes are allowed in the lab.

			8) Long pants must be worn whenever there is risk that of contact of chemicals with skin.
3.	Tools and Equipment	a. Cut/Burn b. Electrical Hazards c. Noise levels	<p>9) Before use of any powered equipment or tool, a thorough inspection must be completed to insure proper working condition. Make any proper necessary corrections before use of the equipment.</p> <p>10) Do not use equipment or tool that is damaged beyond repair or has any safety features missing (guards). Report damaged tool/equipment to team captain or safety advisor for "DO NOT OPERATE" tag.</p> <p>11) Portable power equipment shall be unplugged when not in use.</p> <p>12) All power cords shall be inspected before the cord or tool is used, periodically while being used and when work with the cord or equipment is done for the day. Any damaged cord must be taken out of service immediately.</p> <p>13) Do not use or touch electrical equipment if water or other fluids are on the equipment, the floor around it, or your clothes are wet</p> <p>14) If while operating the equipment or power tool a circuit breaker trips for any reason, the instructor, lab TA or other qualified person must determine the cause and correct it before resetting the breaker.</p> <p>15) All dust producing work must be done in a well-ventilated area. If the area cannot be well ventilated then active dust collection must be used. Use the JET dust collector provided" with the pleated (2-micron) filter on top for all dust created while working with power tools or hand tools.</p>