Hazard Analysis Tool

1. Based on the three possible source groups (agent, condition, activity), list as many hazards as you can.
2. Then characterize each hazard by type (health, physical, environmental).
3. Then identify how each hazard will be addressed.
4. Note that 'hazard' does not equal 'risk.' Hazard is intrinsic; risk is the hazard plus our exposure. Our exposure can be reduced by proper hazard controls and impacted either positively or negatively by our behavior.

Process:_____ **Date:** _____

Agents:

Hazard	**Hazard Type** *(Health, Physical, Environment- circle one)*	**Eliminate**	**Engineer**	**Administer**	**PPE**
	H, P, E				
	H, P, E				
	H, P, E				

Conditions:

Hazard	**Hazard Type** *(Health, Physical, Environment- circle one)*	**Eliminate**	**Engineer**	**Administer**	**PPE**
	H, P, E				
	H, P, E				
	H, P, E				

Activities:

Hazard	**Hazard Type** *(Health, Physical, Environment- circle one)*	**Eliminate**	**Engineer**	**Administer**	**PPE**
	H, P, E				
	H, P, E				
	H, P, E				

Once hazards are identified, answer the following questions to help choose proper control methods and procedures.

1) How severe are the hazards?

2) How likely are you to be affected by these hazards?

3) What behaviors do you need to do/not do to keep from being harmed by these hazards?

4) What are the barriers you perceive to following through with your answer to number 3?

Agent: Something that produces or is capable of producing an effect – the starting materials of your process. These can be biological or chemical.

Condition: The circumstances under which the procedure exists or is completed.

Activity: How the activity is completed – the behavior or actions required to complete the procedure.

Health hazard: Anything thing that can cause injury, illness or disease in the body.

Physical hazard: Can also cause injury to the body, but usually through a physically reactive process. Also, includes the creation of a hazardous situation or environment and the unexpected release of energy. (For example: fire, compressed gas, explosive substances, organic peroxide, oxidizer, pyrophoric, water reactive)

Environmental hazard: An agent, condition or activity that can cause harm to the environment.

Eliminate: Change the process or chemical in order to eliminate the hazard.

Engineering control: Use and engineered device in order to control the *hazard*.

Administrative control: Use processes and procedures to control *behaviors* and how individuals interact with the hazard.

PPE: Personal protective equipment worn to protect the user from the hazard.