Test 1 Maintenance and Operations

1. What are the three basic types of maintenance.
   1. Corrective
   2. Preventative
   3. Predictive
2. Describe corrective maintenance.
   1. It is what you need to do when something fails.
   2. Call it repairing or troubleshooting.
   3. When a part of the system has either stopped working properly or has failed, it is necessary to do corrective maintenance.
3. Describe Preventative Maintenance.
   1. It attempts to spread out the maintenance activities by planning on a regular basis.
   2. Equipment is regularly inspected, cleaned and have adjustments made to them by maintenance workers.
   3. Since the maintenance is done on a schedule, equipment will be addressed at a specific time, not when some type of event occurs.
4. Describe Predictive maintenance.
   1. It attempts to forecast when a piece of equipment is going to fail or stop performing as expected.
   2. This is done by monitoring the equipment and then using the data that is collected (during maintenance or online) to prevent the failure before it occurs.
   3. Instead of working on a schedule, maintenance is driven by indications given by the equipment.
5. Safety begins with?
   1. Adequate planning and preparation.
6. When performing work around these systems there normally is a work order. Describe details of a work order.
   1. It is a document that provides all the information about a maintenance / troubleshooting task and outlines a process for completing that task.
   2. It may include details on who authorized the job, the scope, who it's assigned to, and what is expected.
7. Give examples of when Lockout / tagout is required.
   1. When energized equipment is serviced or maintained.
   2. Required if safety guards are removed or bypassed.
   3. If a worker must place any part of their body in the equipment’s point of operation, or if hazardous energy sources are present.
8. Describe the steps of the Left Hand Rule for operating disconnects.
   1. Hold the disconnect with your LEFT hand Turn your body to face away from the switch.
   2. Close your eyes. Take a deep breath and hold it.
   3. Then "throw" the disconnect lever.