

Ammonia Sample What-If PHA Questions - First 20 of 215

Sequence	Category	Question
1.1	Compressor	What if there is no pressure relief valve [hereafter "SRV" for "Safety Relief Valve"] on this equipment?
1.2	Compressor	What if the equipment's preventative maintenance [hereafter referred to as "PM"] program for SRVs is insufficient or non-existent?
1.3	Compressor	What if the set pressure of the equipment SRV is more than the design pressure of the equipment?
1.4	Compressor	What if the SRV capacity is too low?
1.5	Compressor	What if the SRV opens below its set pressure?
1.6	Compressor	What if the SRV fails to lift at/above its set pressure?
1.7	Compressor	What if liquid accumulates in the SRV discharge piping?
1.8	Compressor	What if an SRV lifts and no follow-up action is taken?
1.9	Compressor	What if there is a closed stop valve before/after an SRV?
1.1	Compressor	What if an SRV discharges into piping/system that is not vented to atmosphere?
1.11	Compressor	What if a seal-off component (e.g., packing, O rings, mechanical seals, gaskets/flanges, etc.) fails?
1.12	Compressor	What if a compressor discharge valve is closed?
1.13	Compressor	What if a compressor suction valve is closed?
1.14	Compressor	What if there is insufficient flow of the cooling medium to the compressor?
1.15	Compressor	What if the discharge check valve is in an open position and the compressor is not running?
1.16	Compressor	What if the compressor cut outs/safeties/interlocks are not periodically tested or inspected?
1.17	Compressor	What if compressor cut outs/safeties/interlocks are not designed to fail safe?
1.18	Compressor	What if the compressor is inadequately lubricated?
1.19	Compressor	What if there are incomplete swing compressor cut outs/safeties/interlocks?
1.2	Compressor	What if plugs, caps, or blind flanges are missing on purge or drain valves?