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| 1. **List the Steps Required to Execute the Procedure:** from start to finish. |
| 1. Operation of air cooling system.    1. Ensure interlock system is operational.    2. Inspect relief valves, isolation valves, and check valves.    3. Set pressure regulators to correct pressure (pressure to be determined).    4. Open flow meter manual valves to the correct flow setting (flow to be determined).    5. Turn on power to both air compressors.    6. Verify flow to detectors and pressure in ASME tank.    7. HV/LV to RICH can be turned on when:       1. Cooling air flow to detectors is above trip level (flow to be determined).       2. Pressure in ASME tank is above trip level (pressure to be determined). |
| 1. **Back Out Procedure(s)** i.e. steps necessary to restore the equipment/area to a safe level. |
| 1. Turn off HV/LV to detector 2. Turn cooling system off.    1. Ensure all HV/LV to detector is turned off.       1. Interlock system will turn off all power if not already off if next steps are followed.    2. Turn off air compressor power.    3. Cooling system is fully off after:       1. Latent heat removed from detector by remaining air in ASME tank.       2. ASME tank pressure transducer and mass flow transducer both read there is no residual pressure or flow in the cooling circuit.    4. Interlock systems will now prevent HV/LV power from turning on. |