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|--|---------------------------------------|--|---------------|
| PRESSURE/LEAK TEST RECORD | | FORM PS-7 | |
| TEST DESCRIPTION AND REQUIREMENTS | | | |
| Pressure System Number: PS-PHY-08-002 | Drawing Number(s): 317111-JLA-001-001 | | PAGE 1 OF |
| Project Name: 12 GeV SHMS Q2 | | | |
| System or component description (attach description if needed): Helium circuit | | | |
| Test boundaries (attach sketch if needed): | | | |
| Design temperature: 4.5 K | | Design pressure (MAWP): 5 atm (gauge) | |
| Test method: ___Hydrostatic <input checked="" type="checkbox"/> Pneumatic | | Relief Valve Setting: 93 psig | |
| Test fluid: Gas helium | | Applicable code: ASME Sec. VIII Div. 1 | |
| Required test pressure: 90 psig | | Test temperature: 295 K | |
| Test pressure as % of MAWP: 115% | | Ambient temperature: 295 K | |
| Elevation difference between highest point and gauge: | | | |
| Required gauge pressure: | | | |
| Test date: | Start time: | Actual gauge pressure: | |
| Required Duration: | Finish time: | | |
| SAFETY | | | |
| Test volume: 460 Liter | | Stored energy of test: 0.195 MJ | |
| SOP/OSP/TOSP Number (if required): | | | |
| TEST EQUIPMENT | | | |
| Type/Number: | Range: | Cal date: | Cal due date: |
| | | | |
| Leak Detection Method: ___Visual ___He leak test ___Bubble test ___He leak test (reverse) ___Other (attach procedure) | | | |
| Detector Calibration (if applicable): | | | |
| TEST ACCEPTANCE (name and signature) | | | |
| Pressure test result: ___Pass ___Fail | | | |
| Test Engineer: | | | Date : |
| Technician: | | | Date : |
| Witness: | | | Date : |

Calibration Records

| | | |
|----------------------|---|--|
| Before pressure test | Leak rate of calibrated source | |
| | Response time | |
| | Leak rate detected by the leak detector | |
| After pressure test | Leak rate of calibrated source | |
| | Response time | |
| | Leak rate detected by the leak detector | |