Attachment 23

Criticality Assessment

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|  | | | | | | |
| **PROJECT NAME** | | | | **PROJECT REFERENCE NUMBER:** | | |
| **SYSTEM/EQUIPMENT DESCRIPTION:** | | | | | | |
|  | | | | | | |
| **SECTION 1: IDENTIFICATION OF CRITICALITY ASSESSMENT TEAM** | | | | | | |
| **Role/Area** | **Job Title** | | **Name** | | | **Responsibilities** |
| **Process Owner** |  | |  | | |  |
| **Engineering** |  | |  | | |  |
| **Quality Assurance** |  | |  | | |  |
| **Other** |  | |  | | |  |
|  | | | | | | |
| **SECTION 2: DESCRIPTION OF SYSTEM AND DEFINITION OF SCOPE OF ASSESSMENT** | | | | | | |
| **Identification of Sub-Components** | | **Function(s) of Sub-component** | | | **Determination of Impact on Either Product, Process, or Environment based on Function** | |
|  | |  | | | Direct / Indirect / No Impact | |
|  | |  | | | Direct / Indirect / No Impact | |
|  | |  | | | Direct / Indirect / No Impact | |
|  | | | | | | |

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| **SECTION 3: INSTRUMENT CRITICALITY ASSESSMENT FOR DIRECT AND IN-DIRECT SUBCOMPONENTS ONLY** | | | | | | | | | | | | | | | | | |
| **Sub-Component 1:** | | | | | | | | | | | | | | | | | |
| **Instrument Id** | **Function of Sub-Component** | | | **Effect of Failure on Product** | | | **Effect of Failure on Process** | | | | | **Effect of Failure on Safety** | | | **Criticality** | | |
|  |  | | |  | | |  | | | | |  | | | Critical/ Non-critical | | |
|  |  | | |  | | |  | | | | |  | | | Critical/ Non-critical | | |
|  |  | | |  | | |  | | | | |  | | | Critical/ Non-critical | | |
| **Sub-Component 2:** | | | | | | | | | | | | | | | | | |
| **Instrument Id** | **Function** | | | **Effect of Failure on Product** | | | **Effect of Failure on Process** | | | | **Effect of Failure on Safety** | | | | | **Criticality** | |
|  |  | | |  | | |  | | | |  | | | | | Critical/ Non-critical | |
|  |  | | |  | | |  | | | |  | | | | | Critical/ Non-critical | |
|  |  | | |  | | |  | | | |  | | | | | Critical/ Non-critical | |
|  | | | | | | | | | | | | | | | | | |
| **SECTION 4: DEFINITION OF CALIBRATION RANGE, TOLERANCE AND FREQUENCY FOR CRITICAL INSTRUMENTION ONLY** | | | | | | | | | | | | | | | | | |
| **Instrument Id** | **Manufacturer** | **Model** | | | **Instrument Specification** | | | **Process Requirements** | | | | | **Periodicity/ Frequency of Calibration** | | | | **Acceptance of Instrument** |
| **Operating Range** | **Tolerance** | | **Process Range** | | **Process Tolerance** | | |
|  |  |  | | |  |  | |  | |  | | |  | | | | Accept/Reject |
|  |  |  | | |  |  | |  | |  | | |  | | | | Accept/Reject |
|  |  |  | | |  |  | |  | |  | | |  | | | | Accept/Reject |
|  | | | | | | | | | | | | | | | | | |
| **SECTION 5: APPROVAL OF ASSESSMENT** | | | | | | | | | | | | | | | | | |
| **Role/Area** | | | **Name** | | | | | | **Signature** | | | | | **Date** | | | |
| **Process Owner** | | |  | | | | | |  | | | | |  | | | |
| **Engineering** | | |  | | | | | |  | | | | |  | | | |
| **Quality Assurance** | | |  | | | | | |  | | | | |  | | | |
| **Other** | | |  | | | | | |  | | | | |  | | | |