Draft Construction Significance Determination Process

Risk Matrix

Quality of Activity	Low Not in PRA **OR** FV $\leq$ 0.005 and RAW $\leq$ 2.0	Moderate 0.005<FV $\leq$ 0.05 **OR** 2<RAW $\leq$ 20	High FV > 0.05 **OR** RAW > 20
High 12 Pts	Low-to-Moderate Safety Significance	Substantial Safety Significance	High Safety Significance
Moderate 9 - 11 Pts	Low Significance	Low-to-Moderate Safety Significance	Substantial Safety Significance
Low-to-Moderate 4 – 8 Pts	Low Significance	Low Significance	Low-to-Moderate Safety Significance
Low 0 – 3 Pts	Low Significance	Low Significance	Low Significance

Risk Importance

Construction Significance Determination Process Risk Matrix

Evaluate the finding using the following factors:

A. Quality of Activity

1) **Degree of Non-Conformance:**

- **REJECT** or **REWORK** - rework or replacement needed to meet spec – 4 pts
- **REPAIR** – repair or retest or reinspection needed for acceptance – 2 pts
- **USE AS IS** - reanalysis or reevaluation determines condition acceptable – 1 pt
- **INVALID** - No repair, replacement, retest, or reanalysis needed to meet spec – 0 pt

Overall rating in this area: _____

2) **Extent of Onsite Review Prior to Identification:**

- ITAAC Closure Package submitted to NRC – 4 pts
- ITAAC acceptance criteria reviewed and accepted by QA/QC – 3 pts
- Turned-over for preop & ITAAC testing – 2 pts
- Fabrication QC inspection completed successfully – 1 pt

Overall rating in this area: _____

3) **Corrective Actions:**

- Ineffective corrective actions resulting in recurring SCAQ – 4 pts
- Ineffective corrective actions resulting in recurring CAQ – 2 pts
- Corrective actions untimely for the same root cause(s) – 1 pt
- Problem not previously identified – 0 pt

Overall rating in this area: _____

Sum of points in the three areas: _____

B. Risk Importance

Finding involves at least one component that is modeled in the PRA and has a Fussell-Vesely (FV) importance measure and Risk Achievement Worth (RAW) as indicated in the bands below:

- **LOW** - Not in PRA **OR** $FV \leq 0.005$ and $RAW \leq 2.0$
- **MEDIUM** - $0.005 < FV \leq 0.05$ **OR** $2 < RAW \leq 20$
- **HIGH** - $FV > 0.05$ **OR** $RAW > 20$

Apply results from A and B to Y and X axes respectively.