

Draft Construction Significance Determination Process

Risk Matrix

Degree of Non-Conformance	Major >18 Pts	Low-to- Moderate Safety Significance	Substantial Safety Significance	High Safety Significance
	Moderate 12 – 18 Pts	Low Significance	Low-to- Moderate Safety Significance	Substantial Safety Significance
	Low-to- Moderate 6 – 12 Pts	Low Significance	Low Significance	Low-to- Moderate Safety Significance
	Minor 0 – 6 Pts	Low Significance	Low Significance	Low Significance
		Low (0 –2 Points)	Moderate (3 - 6 Points)	High (> 6 points)
		Risk Importance		

Construction Significance Determination Process

Risk Matrix

1. Evaluate the finding using the following factors:

A. Degree of Non-Conformance

1) Quality of Construction:

- Condition needed repair or replacement to meet spec – 4 pts
- Condition needed only reanalysis or reevaluation to meet spec – 1 pt
- No repair, replacement, 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 – 5 pts
- 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
- No field review completed – 0 pt

Overall rating in this area: _____

3) Extent of Condition:

- Multiple work activities (i.e., structural, welding, electrical, etc.) affecting multiple SSCs – 5 pts
- Multiple work activities with limited affect on SSCs – 3 pts
- Single work activity affecting multiple SSCs – 2 pts
- Single work activity with limited affect on SSCs – 1 pt
- Does not involve a work activity – 0 pts

Overall rating in this area: _____

4) 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: _____

5) Problem Identification:

- Problem identified directly by NRC – 2 pts
- Problem identified indirectly in response to NRC – 1 pt
- Problem identified by facility inspections, reviews, and observations – 0 pt

Overall rating in this area: _____

6) Regulatory Affect:

- a. Finding involved harassment and intimidation – 5 pts
- b. Finding did not involve harassment and intimidation – 0 pts

Overall rating in this area: _____

Sum of points in the six areas: _____

B. Risk Importance

1) Defense-in-Depth:

- Finding involves multiple, redundant safety-related systems – 7 pts
- Finding involves multiple trains in a safety-related system – 5 pts
- Finding involves multiple components in a safety-related system – 3 pts
- Finding involves non safety-related SSCs that are relied upon to mitigate accidents or transients or are used in plant EOPs – 2 pts
- Finding involves non safety-related SSCs whose failure could prevent safety-related SSCs from fulfilling their safety function – 2 pts
- Finding involves non-safety related SSC – 1 pt
- Finding is programmatic – 0 pts

Overall rating in this area: _____

2) Structures and Facilities

- Structure/Facility is safety-related – 3 pts
- Structure/Facility is not safety-related – 0 pts

Overall rating in this area: _____

3) Emergency Preparedness, Radiation Protection or Security ITAAC

- Yes – 3 pts
- No – 0 pts

Overall rating in this area: _____

Sum of points in the three areas: _____

Apply point totals from A and B to Y and X axes respectively.