



## Continuing Training - Identifying And Managing Organizational Risk Following Significant Events

### **Course Write-up**

This continuing training class will focus on the skills and knowledge of conducting causal evaluations to ensure proper consideration has been given to the Extent of Condition and the Extent of Cause of a problem; thereby determining whether other systems, equipment, programs, or conditions could be affected.

### **Benefits**

- Improved organizational performance by providing staff with the tools and practices associated with analyzing the Extent of Condition and Extent of Cause; thereby minimizing or preventing recurrence of the same or similar event.
- Improved organizational performance by enhancing the ability of the organization to learn from consequential equipment, human performance, program, and organizational failures.

### **Who Should Attend**

- Qualified or previously qualified Cause Evaluators or Root Cause Evaluators
- Corrective Action Program leaders and staff
- Personnel who are tasked with solving important equipment, human performance, and organizational issues
- Leaders and staff who develop, implement, mentor, or provide oversight for continuous learning and performance improvement programs
- Quality Assurance Personnel

### **Class Description**

This course – reviews the basic overall process of a cause evaluation and explains the key concepts and differences between Extent of Condition and Extent of Cause in the evaluation. The course consists of instruction and practical exercises.



**Basic Cause Analysis Process Flow** – includes a review of the basic steps and process flow of an evaluation from determining the problem statement through developing corrective actions. This review will include the basic principles behind the problem statement (object/defect/consequence). In addition, the direct cause of the event will be discussed. Specific emphasis is placed on the Extent of Condition and Extent of Cause and how they apply to the overall evaluation process.

**Basic principles of the Extent of Condition and the associated regulatory requirements** – the Extent of Condition for an event will be identified and discussed. The Extent of Condition will be identified based on the problem statement and the direct cause of an event. In addition, NRC regulatory requirements will be reviewed regarding Extent of Condition.

**Group Exercise** – a group exercise will be conducted to determine the Extent of Condition for an event.

**Basic principles associated with the Root Cause (or Most Significant Cause) of an event** – during a cause evaluation, the Root Cause (or for lower cause evaluations the Probable or Most Significant Cause) of an event must be identified to prevent or minimize recurrence of that event. This section will discuss how these causes are identified and look at how far an organization must go to determine the Root Cause.

**Basic principles of the Extent of Cause and the associated regulatory requirements** – the Extent of Cause for an event will be identified and discussed. The Extent of Cause will be identified based on the Root Cause (or for lower cause evaluations the Probable or Most Significant Cause). In addition, NRC regulatory requirements will also be reviewed regarding Extent of Cause.

**Comparing the differences between Extent of Condition and Extent of Cause** – a group exercise will be conducted looking at three different events. For each of the events the direct cause, Extent of Condition, Root Cause (or most probable cause), and the Extent of Cause will be discussed.