



Idaho Operations Office
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COURSE DESCRIPTION

- Course Title:** Introduction to Nuclear Safety Basis
- Course Length:** Eight hours
- Course Limit:** 30 students
- Intended Audience:** DOE and contractor management who are fully, or in part, responsible for the performance of the safety basis at DOE nuclear facilities. This includes roles that involve oversight and/or approval of processes that support the safety basis. Others, from both organizations, who would additionally benefit are those who may be categorized as facility support personnel, such as safety analysts, technical writers, engineering, quality assurance personnel, trainers, etc., based on their involvement with the facility safety basis.
- Course Description:** This course introduces key components of the nuclear facility Safety Basis, specifically Documented Safety Analysis (DSA), Technical Safety Requirement (TSR), and the Unreviewed Safety Question (USQ) Process. It overviews these key components and explains their roles and relationships. In addition, it addresses their respective requirements and guidance from 10 CFR Part 830 "Nuclear Safety Management" Regulation Subpart B and respective implementation guides. It also previews the DOE generic technical training course for USQ Preparers and Reviewers.
- Supporting Material:** Introduction to Nuclear Safety Bases student text
- Evaluation:** Subjective, based upon student's active participation
- Prerequisites:** None
- Cost:** Estimate available upon request
- Attachments:** Course outline
- Point of Contact:** Bill Lapsansky
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Epsilon Systems Solutions, Inc.

COURSE OUTLINE

Course Title: Introduction to Nuclear Safety Bases

Outline:

1. **Introduction and Terminology**

2. **Documented Safety Analysis (DSA)**
Introduction

3. **DSA Requirements and Guidance**

4. **Technical Safety Requirements (TSR)**
Introduction

5. **TSR Requirements and Guidance**

6. **Unreviewed Safety Questions (USQ) Purpose**
and Requirements

7. **USQ Process Overview – Routine Changes**

8. **USQ Process – Special Situations (PISA)**