

Y-12 Safety Basis Annual Update Process & Quality Improvements
Megan Deising Houchin
B&W Technical Services Y-12, LLC
Y-12 National Security Complex
PO Box 2009, Oak Ridge, TN 37831-8010
deisingm@y12.doe.gov

Objective

This paper describes the Safety Basis document (specifically the DSA and TSR) annual update process used at Y-12. It reviews recent issues with document timeliness and quality and steps taken to mitigate these concerns in a “lessons learned” approach.

Relationship to Overall Interests of DOE Safety Analysis

Section 202(c) of 10 CFR 830 Subpart B requires the contractor to annually submit to DOE either the updated DSA or a letter stating that there have been no changes. B&W Y-12 has eleven nuclear facilities and submits annual updates one year from the date of the SER. This program is in response to several late submittals that occurred in previous years. Problems have also occurred in the quality of some of these submittals. This paper shares how Y-12 adheres to the above regulation and actions taken to improve document quality.

Results

The recent quality issues placed attention for the Facility Safety group to standardize the safety basis approach to changes. Focus groups, checklists, and standardization to a common computer platform were all solutions to improve the quality of these documents in addition to the use of timelines and spotlight metrics.

Benefits of Work to Mission of Sponsoring Organization

These quality improvements provide a smoother path to the Y-12 safety basis documents revision process. This paper allows other sites to gain lessons from the developments and methods used at Y-12.