

ENGINEERING DESIGN PLAN: FORM A

(FOR SAFETY CLASS Item AND/OR NON-SAFETY CLASS Items
THAT PERFORM SIGNIFICANT SAFETY/PROGRAM FUNCTIONS)
(Ref: PNL-MA-440)

SR No

EDP

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- 01

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DATE

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Engineering and design documents must be prepared, reviewed, approved, and used in accordance with SBMS subject area *Creating and Modifying Engineering Calculations, Drawings, and Specifications.*

G. DESIGN PREPARATION: Place an "X" in the boxes that apply.

1. TRAINING REQUIREMENTS: List subjects, procedures, and the activities they apply to.

2. DESIGN CRITERIA: Indicate which of the following are required.

- Field verification of existing design documents at start of design:
- Functional Design Criteria:
- Statement of Work/Letter of Instruction:
- Conceptual Design Report:
- Other design basis documents:

Specific design instructions:

Other codes and standards:

3. DRAWINGS/DRAFTING REQUIREMENTS:

Drawings Prepared By:

D&D Drafting Checker

Other Qualified Drafting Checker

- Sponsor requirements:
- DOE permanent engineering drawings (H- prefix)
- DOE temporary engineering drawings (SK- prefix)
- Battelle engineering drawings (R- and RSK- prefix)
- Sponsor-Specified numbering system
- As-built drawings
- Worksheets/sketches
- Special controls:

Other requirements:

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4. SPECIFICATIONS:

Specifications included on Drawings Prepare Specifications Document

5. VERIFICATION METHODS

Formal Design Review Independent Review

Informal Design Review On-the-Board Reviews

Design Review Plan Alternate Calculations

Independent Technical Review Qualification Tests

Hazardous Materials Transportation Officer Review Other

6. CONFIGURATION MANAGEMENT AND ENGINEERING CHANGES

Configuration Management Plan required.

Design change control procedure: (specify)

7. DRAWING/DOCUMENT CONTROL AND RECORDS:

Drawings/documents delivered to sponsor to control after documents have been approved and released.

Controlled copy distribution (indicate how many copies of drawings and documents should be issued and who should receive them:

8. CALCULATIONS AND ANALYSES REQUIREMENTS:

Computer Code Verification: (List requirements)

9. QA REQUIREMENTS: (Compliance with the PNNL SBMS subject areas are the minimum requirements)

Other QA Requirements:

10. ADDITIONAL REQUIREMENTS: (describe requirements or list references)

H. DESIGN IMPLEMENTATION: (place an "X" in the boxes that apply)

1. FACILITIES/UTILITIES MODIFICATIONS: If checked go directly to Facility Modification Permit. If not checked, fill out the rest of Section H on Page 4.

