

10 CFR 50.59 Evaluation

Briefly describe the modification, revision, test, or experiment		
	NO	YES
(1) Is the procedure or equipment described in the SAR?		
(2) Does the procedure or equipment have the potential to affect any procedure, parameter, or equipment described in the SAR?		
If the answer to both (1) and (2) is no, then no further Action is required except a signature; if the answer to either (1) or (2) is yes then continue to (3) and (4):		
(3) List the chapters and sections of the SAR for which the procedure or equipment described in the SAR, and/or where the procedure, parameter, or equipment affected by the change is described in the SAR.		
	NO	YES
(4) Does the change require NRC review and approval prior to implementation according to the criteria below (if yes circle the affected criteria) and refer to NRC		
	Date	
Performed By:		
ROC Review:		

CRITERIA

Modifications and revisions to UT TRIGA reactor facilities and equipment that are described in the SAR and updates^[1] and procedures that control or affect those facilities and equipment may be changed, altered or revised without prior NRC review and approval if the change does not:

- (a) Require a change to the Technical Specifications or license;
- (b) Result in more than minimal increase in frequency of occurrence of SAR accident analysis[2];
- (c) Result in more than minimal increase in likelihood of occurrence of a malfunction of SSC[3] important to safety that was previously evaluated in approved SAR and updates[1];
- (d) Result in more than minimal increase in consequences of SAR accident analysis[2];
- (e) Result in more than minimal increase in consequences of malfunction of an SSC[3] important to safety previously evaluated in approved SAR and updates[1];
- (f) Create possibility for accident of different type than those in SAR accident analysis[2];
- (g) Create possibility for malfunction of SSC[3] important to safety with different result than any previously evaluated in SAR and updates[1];
- (h) Result in design basis limit for fission product barrier described in the SAR and updates[1] being exceeded or altered; or
- (i) Result in departure from method of evaluation described in SAR and updates[1] that was used either to establish design bases or in the safety analyses.

10CFR50.59 Evaluation

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Date of Change

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ADDITIONAL GUIDANCE

NOTE [1]: SAR and updates is the approved Safety Analysis Report and any changes accomplished under 10CFR50.59 without prior NRC review and approval not currently incorporated in the SAR.

NOTE [2]: SAR accident analysis refers to (1) reactivity accident, (2) loss of reactor coolant, and (3) fission product release from clad rupture as analyzed in the SAR and updates.

NOTE [3]: SSC means structures, systems, and components

Records of facility changes, procedure changes, and of tests and experiments made without prior NRC review and approval accomplished under the authorization of 10CFR50.59:

- a. Must include a written evaluation which provides the bases for the determination that the change, test, or experiment does not require a license amendment.
b. Must be submitted to the NRC at intervals not to exceed 24 months.
c. Must be maintained until the termination of an operating license for facility changes,
d. Must be maintained for a period of 5 years for changes in procedures and records of tests and experiments.

There are specific requirements in regulations for changes to the Emergency Plan, Radiological Protection Program, and Physical Security Plan.

DEFINITIONS

Change: A change is a modification or addition to, or removal from, the facility or procedures that affects a design function, method of performing or controlling the function, or an evaluation that demonstrates that intended functions will be accomplished.

Departure from a method of evaluation described in the FSAR (as updated) used in establishing the design bases or in the safety analyses:

- a. Changing any of the elements of the method described in the FSAR (as updated) unless the results of the analysis are conservative or essentially the same; or
b. Changing from a method described in the FSAR to another method unless that method has been approved by NRC for the intended application.

Tests or experiments not described in the final safety analysis report (as updated) means any activity where any structure, system, or component is utilized or controlled in a manner which is either:

- a. Outside the reference bounds of the design bases as described in the final safety analysis report (as updated) or
b. Inconsistent with the analyses or descriptions in the final safety analysis report (as updated).

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