

## #Jenny



Finally I get this ebook, thanks for all these I can get now!

## #Rio



Cool! I'am really happy

## #Markus Jensen



I did not think that this would work, my best friend showed me this website, and it does! I get my most wanted eBook

## #Hun Tsu



wtf this great ebook for free?!

## #Che Salsa



My friends are so mad that they do not know how I have all the high quality ebook which they do not!

## #Diego Butler



so many fake sites. this is the first one which worked! Many thanks



### SUMMARY OF CHANGES TO THE UPCOMING REVISION OF ASCE 43 AND IMPACTS ON THE DESIGN AND ANALYSIS OF NUCLEAR STRUCTURES

F.G. Ahatt<sup>1</sup>, Michael W. Salmon<sup>2</sup>, Andrew S. Whitaker<sup>3</sup>

<sup>1</sup>Senior Engineering Advisor, Becht Engineering, Vice Chair, ASCE Dynamic Analysis of Nuclear Structures Committee, USA  
<sup>2</sup>Lead Engineer, Office of Seismic Hazards and Risk Mitigation, Los Alamos National Laboratory, Chair, ASCE Dynamic Analysis of Nuclear Structures Committee, USA  
<sup>3</sup>Professor, Department of Civil, Structural, and Environmental Engineering, University at Buffalo, Director, MCEER, Chair, ASCE Nuclear Standards Committee, USA

#### ABSTRACT

ASCE/SEI Standard 43, "Seismic Design Criteria for Structures, Systems, and Components in Nuclear Facilities," is a consensus US national standard developed by the American Society of Civil Engineers. It provides design criteria for nuclear structures and should be used in conjunction with ASCE/SEI Standard 4, "Seismic Analysis of Safety-Related Nuclear Structures and Components." The two standards are performance based and are written to ensure that structures, systems, and components designed and evaluated in accordance with their provisions meet target performance goals that vary as a function of the seismic design basis.

ASCE/SEI 43 was published in 2005, and is currently being revised with the goal of issuing the updated Standard in 2018. This paper presents a summary of the significant changes in the new revision of ASCE 43 and describes the potential impact these changes may have on the design and analysis of nuclear structures. Significant revisions include the characterization of design response spectra, procedures for modeling and analysis, the inclusion of new loading systems, and the addition of a chapter on seismic isolation. The paper will also discuss the integration of ASCE/SEI Standards 4 and 43.

#### OVERVIEW

ASCE/SEI 43 (hereafter referred to as ASCE 43) consists of a Foreword plus ten Chapters arranged as follows:

- Foreword
- Chapter 1 – Introduction
- Chapter 2 – Earthquake Ground Motion
- Chapter 3 – Evaluation of Seismic Demand
- Chapter 4 – Structural Capacity
- Chapter 5 – Load Contributions and Acceptance Criteria for Structures
- Chapter 6 – Detailing Requirements
- Chapter 7 – Special Considerations
- Chapter 8 – Seismic Qualification of Equipment and Distribution Systems
- Chapter 9 – Quality Assurance Provisions
- Chapter 10 – Seismically Isolated Structures

[Download PDF version of :](#)

**Asce 43 05**