

FORMATION

Génie civil

Génie civil pour le nucléaire

Mis à jour le 21/03/2025

AFCEN Nuclear codes for Civil Works (ETC-C & RCC-CW): General Introduction - Distance learning in english

> CETTE FORMATION

S'ADRESSE À

THE TRAINING IS INTENDED FOR: Senior Civil Engineer, Structural Engineer or Project Manager who intend to work on a nuclear project and who want to understand the purpose of a nuclear code for civil works and who want to have an overview of its content.

> PRÉ-REQUIS

PREREQUISITE: This one day training "general introduction" is recommended to attend ETC-C and RCC-CW "design" and "construction" courses.

> INFORMATIONS PRATIQUES

Modalité : Classe virtuelle

Durée : 1,00 jours

EN BREF

OVERVIEW RCC-CW codes (Rules for design and construction of PWR nuclear civil works), published by AFCEN, are used to design and build the civil structures of nuclear power plants. RCC-CW was published in 2010 and 2012 as ETC-C for EPR nuclear power plant. The most recent RCC-CW editions (2015 to 2019) can be applied to PWR projects.

OBJECTIFS

TRAINING OBJECTIVE: This training session explains the objectives and the applicability of a nuclear code for civil works and give an overview of the content of the RCC-CW. The purpose of this 1-day training course is to introduce and outline the AFCEN RCC-CW codes.

THÉMATIQUES

PRINCIPES ET MÉTHODES PÉDAGOGIQUES

-Questionnaire d'autopositionnement (prérequis, expériences, attentes), fil rouge assuré par le coordinateur expert ou un référent de PFC, temps d'interaction avec le(s) expert(s) et les apprenants, apports théoriques et méthodologiques, illustrations concrètes, exemples d'application, étude de cas, quiz, retour d'expérience. Evaluation des connaissances : exemples d'application, étude de cas, quiz..

Training delivered remotely in English.

EVALUATION DES CONNAISSANCES

Exemples d'application, étude de cas, quiz...

COORDINATION

Weiss GHAFOURY, Civil Works Engineer, EDF DIPNN Dir. industrielle

Mohammed EL HAYANI, SOFREN

PROGRAMME DÉTAILLÉ

Thursday March 13th	Introduction to the training session
	Presentation of AFCEN : - organization, members - AFCEN CW codes and publications
	General introduction to the RCC-CW/ETC-C - main objectives and relevant structures - the 3 parts - links with the safety report - differences with traditional codes - others codes (ASMES, etc...)
	Design basis / Design extension
	Introduction with Construction Part : - Earthworks and soil treatments - concrete - reinforcement and prestressing systems - Mechanical and leaktighness tests of the containment
	Metal part : - anchorages, steel liners