RADIATION PROTECTION FOR EXTERNAL WORKERS

ONCE PASSED THE COURSE:

Students will cover the aim of being duly trained to comply with the Spanish regulation IS-06 of Nuclear Safety Council, which defines the training programs in the field of basic and specific radiation protection regulated by Real Decreto 413/1997.

REGISTRATION

€110

Fill out and send the application form:

http://portalcampus.acpro.es/web/inscripciones.aspx?categoria_formulario=15

CONTACT

For further information:
Email: formacion@acpro.es
Telephone numbers: 931841016 / 932041680

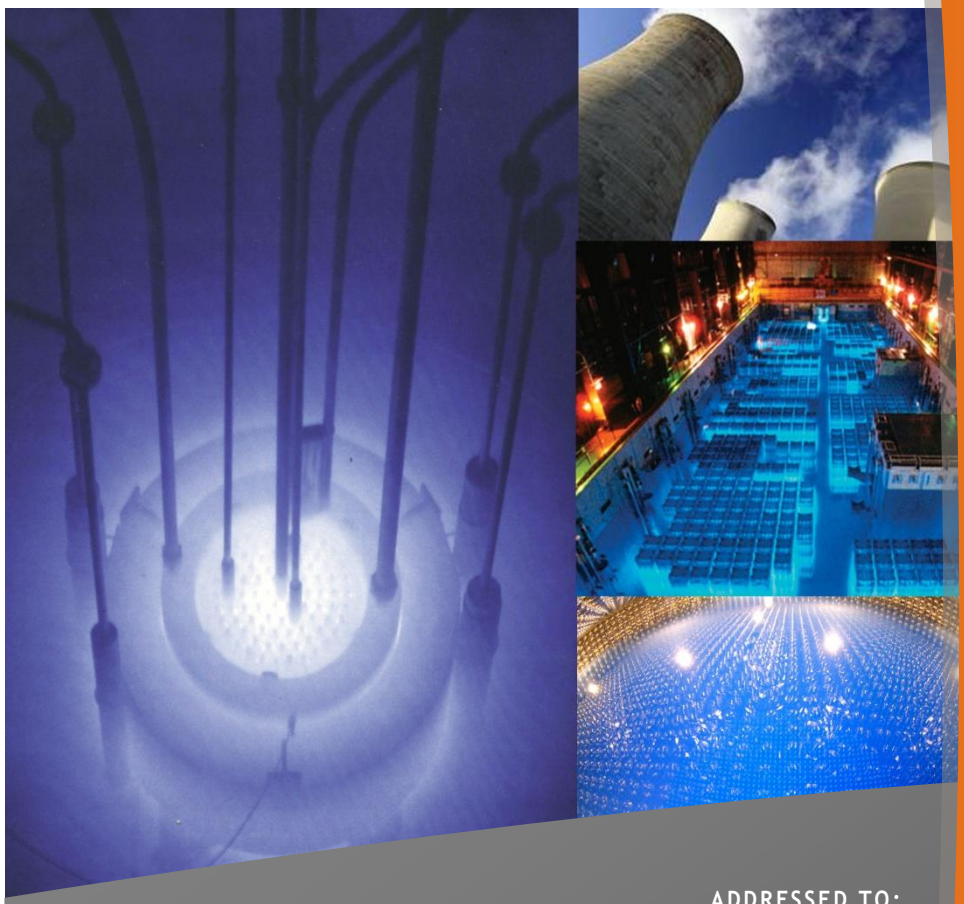
Fax 932055670
Address:
ACPRO, S.L. – División de Formación
C/. Rafael Batlle, 24 entresuelo
08017 Barcelona - SPAIN

ACPRO

www.acpro.es

Training Course on Radiation Protection for External Workers in Controlled Area

Real Decreto 413/97, IS-06 CSN



ADDRESSED TO:

Workers from external companies who access to controlled area in nuclear power plants

TRAINING ON RADIATION PROTECTION

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NUCLEAR POWER PLANTS

ELEARNING

Once passed the course, students will cover the aim of being duly trained to comply with the Spanish regulation IS-06 of Nuclear Safety Council, which defines the training programs in the field of basic and specific radiation protection regulated by Rea Decreto 413/1997, about radiation protection external workers with risk of exposure to ionizing radiation by intervention in controlled area.

The external company is responsible of providing suitable information and training to workers on radiation protection field while working with ionizing radiation, in accordance with article 18 of Real Decreto 783/2001.

GOALS

The aims of the course are:

- Studying characteristics of ionizing radiation and main mechanisms of interaction with matter.
- Knowing main quantities and units to quantify ionizing radiation.
- Knowing risks and possible biological effects generated as a consequence of the interaction between living matter and ionizing radiation.
- Knowing radiation protection system, its characteristics and basic principles.
- Knowing and applying rules and criteria to reduce dose radiation.

PLANNING

The study schedule is free. However, in order to guide students during the course, a plannig is given al the beginning to manage study time better. The estimated time for the course is **six hours**.

RADIATION PROTECTION

METHODOLOGY

The student will be the center of learning process, making possible that his study would be compatible with his professional and personal lifestyle, accesing and interactive learning virtual campus (**PortalCampus**) adapting to his needs.

A systme of continuous evaluations will be used, which involves the developing of a set of exercices that allow the review of theoretical contents.

From the begining of the course, students have at their disposal all the training materials in virtual campus. These are designed on interactive format by using interactive and multimedia techniques that help the student in their learning process.

CONTENTS

The course contents are designed according to IS-06 of Nuclear Safety Council and contemplate basic aspects of radiation protection that must be known for any external worker with risk of exposure to ionizing radiation by intervention in controlled are.

Module 1. Nature of ionizing radiation
Module 2. Detection and measurement of radiation
Module 3. Biological effects
Module 4. Radiation protection
Module 5. Radiation protection regulation

EVALUATION

The final test is an oline test and its completetion is required to pass the course. All students must make this final test after validating and studying eacht interactive module.

The **final test consits of 20 questions test to be asked online**. In order to pass the prove, at least 70 % of questions asked must be answered correctly.

TRAINING

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