

**UNEXPECTED RADIOLOGICAL EXPOSURE DURING REMOVAL
OF THE LOWER VESSEL INTERNALS AT ASCÓ 2 NPP**

Francisco José González Tardiu

C.N. Ascó. 43791-Ascó (Spain)

Phone: +34 977 415056

Fax: +34 977 415061

e-mail: fgtardiu@anacnv.com

On 8th October 2005, during 16th refuelling of the reactor 2 and while performing manoeuvres for the removal of the Lower Vessel Internals (Core Barrel), one of the operators who had been above the handling crane most of the time received a dose of 24.52 mSv, exceeding that allowed according to the work permit (8 mSv), and also exceeding the individual refuelling objective (10 mSv) and the annual dose at Ascó NPP (20 mSv). The legal limits were not exceeded (100 mSv in 5 years and 50 mSv in 1 year).

On analysing the incident, inadequate human actions were found with divers root causes. In view of the root causes identified, corrective actions are proposed in topics like: procedures, work practices, verbal communications, resources, supervision, work organisation, training and others.