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A simple method to check the structural integrity of the containment of Nuclear Power Plant with reactor PWR in the strong seismic place.

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Abstract

The seismic cant to bring severity affectations in the structure of different installations, to damage environment, to perish many persons and to get a negative economical effect, so it is very important to check the structural integrity and safety of the nuclear reactor containment, building of radioactive waste and others risking installations. Our Work to deal be about this problem and propose a simple application method which in not much time obtain the resulting information of the possible behaviour of the building and permit to know the index of the structural safety what it could be expected, moreover to compare the technical information of the design and construction of the NPP with the seismic register of the area and it cant to be use to the PSART or FSART and for to license of the site, the authorization of the construction, to validate an engineering complex analysis of the NPP or cant to be applicant in any structural integrity analysis of conventional buildings.

Key word: structural seismic safety