

Level 3 PSA software tools: A comparison of PC-COSYMA & PACE in terms of inputs required and simulation of release

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ABSTRACT

The relevance of software in Level 3 PSA was introduced and discussed. A comparison was made of PC-COSYMA and PACE, two Level 3 PSA tools. It was found that the programs share a great many similarities in the choice of input parameters and method of input. It was found that, in the selected scenario, PACE estimates tend to be higher than those made in COSYMA. There was more disparity in the results between programs in terms of dose and the area of land on which countermeasures were implemented. Better agreement was found in other estimations of land, and in the estimated numbers of people affected by health effects and countermeasures.

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