

Level 3 PSA (Probabilistic Safety Analysis) of Societal Effects of Severe Accidents using PACE

Dissertation submitted to Imperial College London for the degree of Master of Engineering.

2016
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ABSTRACT

A review of the project progress has been conducted, and it was found that substantial literature research has been carried out, providing a good understanding of the need for Level 3 PSA analysis as well as the current climate of the nuclear power industry in the UK. Software and licenses have been acquired successfully and preliminary testing using a Gaussian dispersion model has been done with PACE. Results show the expected trends, but these can be studied further, especially after issues regarding the use of NAMEIII in PACE. The project schedule has been pushed back due to unforeseen problems, which have been largely resolved now, and it is expected that the project will be completed in good time.

The preparation of this report was possible through Corporate Risk Associate's ongoing support for post-graduate research undertaken throughout a number of outstanding universities.