

Title	CRR: 345/2001 Performance indicators for the assessment of emergency preparedness in major accident hazards																																														
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Publication Date	2001																																														
Executive Summary	<p>This Contract Research Report develops a framework model of emergency management and applies it to the development of performance indicators for the assessment of emergency preparedness in the Major Accident Hazard Industry. The team visited 11 Major Hazard Sites of varying sizes and complexities within the UK, and carried out detailed interviews with staff ranging from executives to operational supervisors. A detailed description of each site was built up, recounting the hazards, environment and risks, and explaining the processes, plans, people and facilities that were in place to deal with the possibility of an incident. A system of scoring, based on the experience of the researchers and the professional expertise of the industrial collaborators was applied to physical aspects and personnel of the sites.</p> <p>The second stage was observation and assessment of emergency exercises on each site. This enabled the research team to complete the assessment of site emergency preparedness and to relate the levels of risk posed by the site to the actions taken to mitigate and prepare for an incident.</p> <p>The information gathered was compiled in a database, and was then exported to the Emergency Management Performance Indicator and Risk Evaluation framework (EMPIRE). The framework allowed weightings to be placed on the Risk Management Goals, according to their relative importance on those specific sites. Performance of the sites was compared against each other, compared in terms of their performance relative to the risks posed, and relationships between features of the site preparedness and their subsequent level of performance in exercises were recorded. The scores were then verified with each of the participating sites. The feedback resulted in some minor refinement to the scoring and assessment system, but there was a general concurring view of the ultimate conclusions. Each site then verified its own EMPIRE scores as representative of its current performance.</p>																																														
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