

Risk Assessment in Construction

J. Constr. Engrg. and Mgmt., Volume 129, Issue 5, pp. 492-500 (September/October 2003)

[Osama Ahmed Jannadi](#)¹ and [Salman Almishari](#)²

¹Dean of Graduate Studies and Active Dean of Scientific Research, Professor of Construction Engineering and Management, King Fahd Univ. of Petroleum and Minerals, Dhahran, Saudi Arabia.

²Civil Engineer, Saudi Aramco, Dhahran, Saudi Arabia.

(Accepted August 23, 2002)

This study is concerned with the assessment of risk for major construction activities. Risk has been defined as a measure of the probability, the severity, and the exposure of all hazards of an activity. A risk assessor model (RAM) was developed and computerized to determine the risk associated with a particular activity and the justification factor for a proposed remedy. Knowing the value of risk would help contractors identify the high risk of major construction activities and would enable them to allocate safety precautions in a more efficient manner.