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As the threat of violent accidents such as 911 terror and Iraqi war has recently increased, the severe harmful effects on environments and human health associated with terrorism are the major concerns for people living in Korea as well as foreign countries, When we consider the situations of domestic chemical or petroleum companies which were mostly constructed near highly populated area, the seventies of the chemical disasters by terror involving the outbreak capability of major chemical accident are very high, of the occurrences of accidents or catastrophes of chemicals releases results in the enormous economics losses, large number of casualties and serious environmental influences. Therefore it is recognized that the risks of hazardous chemicals should be assessed and managed in order to minimize the effects of the chemical incidents.

The objective of this study is to introduce and develop the accident response scenario generation system(ARSGS). When the hazardous chemical accident or chemical terror occurs, ARSGS promptly generates accident response scenarios for constructing the effective response information by utilizing the real time meteorological information.