

**Emergency Preparedness and Response for
Semiconductor Manufacturing**

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A well constructed Emergency Preparedness and Response Plan ensures a coordinated, efficient and safe response to emergency situations for semiconductor manufacturing sites. This paper describes the plan used at several Motorola facilities, and outlines the actions facility personnel must take in response to a variety of situations that include medical and biological emergencies (i.e. anthrax), bomb threats, fires, or any unplanned sudden or non-sudden release of hazardous materials to the air, soil or surface water at the facility. The plan also describes agreements between Motorola and the external emergency response groups that would provide assistance when necessary. Finally, this plan describes how Motorola's internal emergency response groups organize and execute response actions.

The plan is integrated into our EHS Management System as a set of procedures that were written to be consistent with the National Response Team's Integrated Contingency Plan Guidance document. This guidance document provides a mechanism for consolidating multiple plans that facilities may have prepared to comply with various federal regulations into one functional emergency response plan. (Federal Register Vol. 61, No. 109, June 5, 1996). Additionally, the plan has been expanded in scope to addresses state, local and Motorola requirements.

The plan consists of the primary emergency preparedness and response procedure that defines responsibilities and actions for both external and internal response groups. In addition, event specific or secondary procedures that have been developed to provide critical response information for emergency events. Each event specific procedure addresses incidental, low level, high level and crisis events and includes a responsibility matrix and a response flow chart as well as guidance on developing event specific tactical response plans. In the event of an emergency, a responder is able to access all response information and guidance needed, including matrices and flow charts, to efficiently and safety respond to this type of event.

The plan is accessible to all employees from the Motorola EHS WEB page and is rehearsed regularly to ensure its effectiveness in promoting safety to all personnel on site.