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ABSTRACT

The manufacture of semiconductor devices requires the use and control of many hazardous chemicals. A key element in reducing the safety risks associated with these chemicals is reducing the human interface with the delivery systems. At Texas Instruments (TI), the safety and health of our employees are core values, and minimizing the opportunity for employee exposure to hazardous chemicals is critical to reducing risk and meeting our business objectives. To this end, TI sites around the world are implementing bulk chemical storage and delivery systems that minimize the need for handling smaller containers and compressed gas cylinders, but bring about another set of concerns that are being addressed.

This presentation will describe the methods by which TI ensures the avoidance of applicability of PSM regulations to sites using these bulk systems, while implementing equally effective means of control and evaluation. This presentation will also describe TI's experience with PSM at one of our semiconductor manufacturing facilities.