



Mary Kay O'Connor Process Safety Center
2005 International Symposium
Beyond Regulatory Compliance, Making Safety Second Nature
October 25-26, 2005

Worldwide Chemical Production, a Strategic Approach to PSM

Johan M.P. Geerinck
Senior Director EH&S and Global Leader, Process Safety Management
Johnson & Johnson Worldwide Chemical Production
p/a Janssen Pharmaceuticaaan 3
2240 Geel, Belgium
Email: Jgeerinc@janbe.jnj.com Phone: 00 32 14 60 7289

Abstract

The Process Safety Management Program at Johnson & Johnson applies to all processes that may present a significant health, safety, or environmental risk, as judged by a “qualified individual” or “group of individuals” in one or more of the following areas:

- Fire, explosion, or
- Ignition of gases, liquids, or finely-divided solids
- Sudden release of stored energy or chemical reactivity
- Direct or indirect adverse effects on living organisms and the
- Environmental consequences resulting from acute or chronic exposures.

We consider all processes, new and existing, including laboratory, pilot plant and full-scale batch and continuous manufacturing processes regardless of site, and irrespective of the quantity of chemical used. Our discussion and presentation will center on the strategy used to implement and deploy the J&J Process Safety Management Program including these non-traditional areas. This policy and the related guidelines focus on activities such as: operating and maintenance procedures, practices, training, inspections, process testing, process modifications, and process hazard reviews as well as factors that have contributed to major incidents.

Johnson & Johnson took a phased approach to deploying PSM throughout its operations worldwide. Phase I focuses on Worldwide Chemical Production (WWCP) facilities covered by the PSM standard.

Phase II focuses on all applicable processes outside of WWCP; 65 facilities were identified as meeting the criteria for phase II. The criteria for selecting these facilities was the following:

- § Management Action Plans
 - Safety Initiatives
 - External assessment results
 - Incidents
 - Input from management
 - Input from allied technology departments

At the same time, Worldwide S&IH organization strengthened its PSM management structure to ensure successful deployment.

Since J&J Worldwide Chemical Production is the benchmark and the center of excellence for PSM in Johnson & Johnson, the Vice President of Worldwide Chemical Production committed to provide appropriate resources to ensure successful deployment.

The presentation will discuss the key highlights of the global PSM strategic/tactical plan; application and use of our

risk assessment process, an in depth risk analysis used for highly hazardous processes; the elimination/reduction of high risks identified and timelines based on size of capital investments.