

# Process Safety Management of Highly Hazardous & Explosive Chemicals

Many small businesses and large businesses currently do not have the knowledge base necessary to create and implement an effective Process Safety Management Program. Both small and large businesses operate on restricted budgets with limited budget flexibility. The result has been many process safety related accidents and catastrophes over the past years. Providing those businesses with a clear understanding of the requirements of the standard and a simple methodology to comply with those requirements can assist them with a cost effective method of compliance.

Under a special grant from OSHA's Susan Harwood Program the Georgia Tech Research Institute is offering a no-cost 1-day course to clearly address the requirements of the standard. An additional 1-week course is also being offered for an in-depth, case study driven course. More course offerings to come.

## Course Objectives

After participation in this course, the participant will be able to Understand: PSM & History, Why PSM Catastrophes Still Occur, Who is Covered by PSM, the Team Process in Developing a PSM Program, Each of the Elements of a Properly Designed PSM Program and How to Begin the Process, and the Basics of How PSM & EPA's Risk Management Plans (RMP) Work Together to Protect the Workforce & Surrounding Community.

### *Empowerment Through Education*

Four Initial Sessions

#### **One-Day Courses**

**February 18, 2009**

Georgia Tech Savannah  
210 Technology Circle  
Savannah, Georgia 31047

**March 24, 2009**

AGC Branch Office  
12272 Intraplex Parkway  
Gulfport, Mississippi 39507

#### **One-Week Courses**

**April 20-24th, 2009**

Georgia Tech Savannah

**June 8-12th**

AGC Branch Office



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Occupational Safety & Health Programs  
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## Course Highlights

Through Review of Real Life Examples, Participants will:

- Explore Who is Actually Covered by the standard
- Review Each Element of the PSM Standard and how to comply
- Have Access to PowerPoint Presentations
- Utilize references to help identify key methods of compliance with this difficult standard.

*All Materials provided to participants are theirs to keep for use in presentations and training to their own Process Safety Management Teams, safety professionals, or employees*

## Course Topics

- Process Safety Management History
- Hazards of the Process
- Toxicity Information
- Technology of the Process- Block Diagrams
- Equipment in the Process – P&ID's
- Mechanical Integrity
- Inspection, Testing & Maintenance
- Quality Assurance
- Process Hazard Analysis
- Operating & Safety Procedures
- Training
- Contractor Pre-Qualification
- Emergency Preparedness
- Incident Investigation
- Compliance Audits
- EPA Risk Management Plans (RMP)

## Course Resources

- PowerPoint Presentations with Instructor's notes
- Reference Guide
- Participant's Notebook

Information Provided Under OSHA Susan Harwood Grant  
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