1910.119 (c)
Employee Participation

Establish a PSM Team
Develop a Written Plan of Action
Prioritize Goals
Assign Responsibilities
Have scheduled meetings

1910.119 (d)
Process Safety Information

Maintain a Library for:
Manufacture's Data Reports
Maintenance Manuals
P&ID'S (Piping and Instrumentation Diagrams)
Codes and Standards,
Block Flow Diagrams.

1910.119 (e)
Process Hazard Analysis (PHA)

Due Every Five-Years
or if the Process Changes

1910.119 (f)
Operating Procedures

Initial Start-up
Normal Operations
Temporary Operations
Emergency Shutdowns and Operations
Normal Shutdown
Startup following shutdowns

1910.119 (g)
Training of Personnel

- Refresher PSM Training
- Operators In Operating Procedures
- Management of Change
- Contractors
- Emergency Response

1910.119 (h)
Contractors

PRE-QUALIFICATION
Review Safety Records, Employee Certifications and Insurance Records

Perform On-Site Safety Orientation
For Employers and Employees
Documentation

1910.119 (i)
Pre-Startup Review

Must be performed prior to introducing new equipment to the system.

Operators Trained?
PHA Performed?
P&ID'S Up-dated?
i.e. Management of Change

1910.119 (j)
Mechanical Integrity Inspection and Testing

"Following recognized and generally accepted good engineering practices"

IIAR Bulletin 110
API-510, Pressure Vessels
API-570, Piping
ASME Section VIII, Div. 1
ASME B.31.5, Ammonia Piping
ASHRAE 15, NBIC-65
ASNT-TC-1A, Personnel Qualifications

1910.119 (k)
Hot Work Permit

Be sure that **CONTRACTORS** are aware of your Hot Work Procedures prior to beginning work.

1910.119 (l)
Management of Change

Involves Plant Engineer, Safety Manager, Refrigeration Operators, and Maintenance
i.e. PSM TEAM

1910.119 (m)
Incident Investigation

Accidents and Near Misses
MUST BE REPORTED
(Investigation within 48 Hours)
Make corrective actions to avoid future occurrences; you could save someone's life.

1910.119 (n)
Emergency Planning & Response

Off-Site Response
On-Site Response
Emergency Evacuation Posters
Alarm Systems

1910.119 (o)
Compliance Audits

Required
EVERY
THREE-YEARS

The last two must be kept on file

PROCESS COMPLIANCE, INC.
33300 Egypt Lane, Suite C100, Magnolia, TX 77354
Phone 281-259-1144 • Fax 281-259-1154 www.protexus.com

OSHA 1910.119
Process Safety Management
Fourteen Elements

The rule begins as 1910.119(c) Employee Participation and continues in a clockwise turn to 119(o), Compliance Audits. Trade Secrets are not shown on this diagram.

Each of the elements may be integrated into the other elements. Therefore
TOTAL COMPLIANCE DEPENDS ON ALL OF THE ELEMENTS WORKING TOGETHER.

The cycle is repeated as process changes are made.