

We're here to help, and we can get it done fast!

We are experts in developing alarm management plans and assure a quick turnaround. Utilize our experience to reduce your time spent from months to just two weeks on the written alarm management plan required PHMSA 49 CFR Parts 192 and 195 Pipeline Safety: Control Room Management/Human Factors. And have it done and off your to-do list by the August 1 deadline.

I'm handling the writing of my company's alarm management plan myself.

Although the PHMSA ruling does not specifically state what is to be included in the written alarm management plan, TiPS' interpretation of references such as API 1167 section 5, CRM related articles, PHMSA publications and feedback from other pipeline alarm development engagements indicates a plan will be a comprehensive document. TiPS suggests the **minimum** sections: General, including purpose of the alarm management plan and the alarm system, procedures, and responsibilities; Identification; Rationalization; Detailed Design; Implementation, Operation and Maintenance; Monitoring and Reporting; Management of Change; and Audit. The TiPS alarm management plan development process helps define the aspects of the alarm system, such as set-points and alarms versus alerts, which guides the user as the alarm attributes are set. It will also reflect other aspects of a plan including the design, test, management of change cycle and implementation of the entire system.

Two-week Written Alarm Management Plan Workshop:

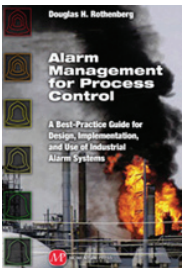
Onsite

- Two days: Alarm management training (everyone in operations)
- Three days: Key experienced personnel meetings and training

Offsite

- One week: Write the philosophy document, two revisions
Webcast presentation of final document for everyone in operations (1 hr)
Gap assessment: two days onsite

What TiPS' customers consider before writing their own alarm management plans:



- How will I complete my alarm management plan, plus the rest of my to-do list? Since TiPS has helped so many other pipeline companies and has a two-week program, would it be more efficient if I utilized their resources?
- What is the rest of the industry doing, and is my plan similar while accurately reflecting my pipeline? How do I know if I'm under performing, or overdoing it?
- Do I have the time to read the industry "text book," *Alarm Management for Process Control* by Dr. Doug Rothenberg?
- Will I be able to get the commitments I need from my co-workers? What kind of interpersonal issues will prevent success, and will assignments from TiPS overcome those hurdles?
- *How long will it take to do this on my own?*

Contact your TiPS, Inc. representative today to discuss solutions for the alarm management plan and software that will not only help you comply with the new guideline, but also bring you peace of mind.

Contact TiPS at 800-242-8477 or sales@tipsweb.com by February 28, 2011 to guarantee priority pricing. Availability of workshops is limited.

