

PROGRAM DIRECTIVE

Program Directive A-3
Issued January 1, 1979
Revised July 27, 2001

SUBJECT: Intrinsicly Safe Equipment in Potentially Explosive Environments

**AFFECTED CODES/
DIRECTIVES:** Technical Manuel section II chapter 3

PURPOSE: This directive designates inspection equipment recommended for use in potentially explosive Class II, Group G, Division 1, DUST environments.

BACKGROUND: Catastrophic explosions in grain elevators necessitates a thorough evaluation of equipment used by field staff to ensure that it will not be the source of ignition in potentially explosive dust atmospheres.

ACTION: When using equipment in an explosive atmosphere use the following precautions:

1. The equipment is listed by a nationally recognized testing laboratory for use in the type of atmosphere present. Check the class and division rating.
2. When batteries are being replaced, use only the type of battery specified on the safety approval label.
3. Do not assume that an instrument is intrinsically safe, verify by contacting the instruments maker if uncertain.
4. Use Hazardous Location Equipment Directory Code G, and Underwriters Laboratories (UL) 783 (intrinsically safe flashlights) to help identify intrinsically safe equipment in explosive atmospheres. These publications are available in the Oregon OSHA resource center.

**EFFECTIVE
DATE:** This directive is effective immediately and shall remain in effect until cancelled or superseded.