



**Pannier Corporation**  
**Health and Safety Handbook**  
**Marking System Group**



**GAS HAZARDS TRAINING PROGRAM (US)**

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**GAS HAZARDS TRAINING PROGRAM**

**1. PURPOSE**

**1.1** It is the intention of Pannier Corporation to provide Gas Hazards Training and detection equipment that meets or exceeds all federal standards. This program is associated with our respiratory Protection Program.

**2. SCOPE**

**2.1** This program applies to all Pannier Corporation's projects and operations.

**2.2** This program supplements the Pannier Corporation Respiratory Protection Program that is in place in accordance with 29 CFR 1910.134.

**3. PROCEDURE**

**3.1 Gas Hazards Equipment**

**3.1.1** Each employee shall use a portable gas monitor as required in all high gas or potentially high hazard areas.

**3.1.2** The gas monitor must be calibrated prior to use per manufacturer's recommendations and contain a current calibration sticker on the monitor providing the date of last calibration.

**3.1.3** Bump testing is required at the beginning of each day the monitor is in use per the requesting owner client, and manufacturer's guidelines to ensure the monitor is functioning correctly.

**3.2 Owner Client Contingency Plans Awareness**

**3.2.1** Pannier Corporation shall ensure all employees are aware of the owner client's contingency plan provisions, including evacuation routes and alarms. Pannier Corporation employees shall participate in emergency evacuation drills and practice rescue procedures.

**4. USE, MAINTENANCE, AND CARE OF GAS MONITORS**

**4.1** Only utilize monitors issued by either Pannier Corporation or made available by the owner client. No personal monitors are allowed.

**4.2** Have the gas monitor on the outside of all clothing.

**4.3** Check the calibration date prior to bump testing. If the calibration date is expired, turn the unit in immediately and do not use.



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**4.4** Bump test each shift prior to using the monitor.

**4.5** Monitors are sensitive equipment – avoid physical damage and immediately report any monitor that does not appear to be performing as expected.

**5. TRAINING**

**5.1** All affected employees will receive gas hazards awareness training before their initial assignment and annually thereafter. This shall be in conjunction with the Pannier Corporation Respiratory Protection Training. Training shall address, as a minimum:

**5.1.1** Location of alarm stations.

**5.1.2** Gas monitoring equipment – portable and fixed detection.

**5.1.3** Gas alarms

**5.1.4** Gas hazards – characteristics of gases, to include oxygen deficiency, oxygen or nitrogen enrichment, carbon monoxide and hydrogen sulfide.

**5.1.5** Any plant or department specific gases of concern.

**5.1.6** Signs and symptoms of overexposure.

**5.1.7** Personnel rescue procedures.

**5.1.8** Use and care of self-contained breathing apparatus (SCBA) – includes donning and emergency procedures (if applicable)

**5.1.9** Evacuation procedures.

**5.1.10** Staging areas – primary and secondary.

**5.2** Gas hazard awareness training shall be documented and available for review.