

Health Choice Enterprises, LLC

MONITORING PROGRAMS

- Waste Anesthetic Gas
- Ethylene Oxide
- Laboratory Gas
- Glutaraldehyde
- Acetic Acid
- Ventilation Testing
(Isolation Rooms & OPA Sites)
- Vaporizer Verification
- Indoor Air Quality
- Air Handler Filter Efficiency
- Airborne Particle Analysis
- Monitor Calibration Check

SAFETY PRODUCTS

- Neutralizing Liquids for:
Glutaraldehyde and OPA
- Neutralizing Mats for:
Glutaraldehyde, OPA, and
Formaldehyde
- Spill Response Kits for:
Glutaraldehyde, OPA, and
Formaldehyde

*Call us or check out
our website for
more information
on all our safety
products.*

Same day reporting in digital format

Health Choice

In an effort to increase hospital safety and reduce hospital liability from hazardous gases found in the workplace, Health Choice Enterprises (HCE) provides a variety of monitoring services formatted to meet **OSHA**, **NIOSH**, and **JCAHO** requirements. In addition to our monitoring services, HCE manufactures hospital safety products that allow safe handling and disposal of hazardous solutions. Our glutaraldehyde neutralizer, formaldehyde, glutaraldehyde, and OPA neutralizing mats are just a few innovative safety products that can be found only at Health Choice Enterprises.

LEAVING THE FRESH AIR FOR YOU

Health Choice Enterprises, LLC • 800-957-4758 • Fax: 801-991-9517

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Environmental Monitoring

Most Asked About Guidelines

Environmental Monitoring Guidelines

- **Waste Anesthetic Gas**

NIOSH recommends that when nitrous oxide is used alone, exposures should be limited to 25 ppm (TWA over the time exposed). When halogenated agents are used alone, exposure should be limited to 2 ppm, based on a 1-hour sample. When halogenated agents are used in combination with nitrous oxide, exposures should be limited to 0.5 ppm for halothane and other volatile anesthetics and 25 ppm for nitrous oxide.

OSHA Section 5(a)(1) of the OSH Act, often referred to as the General Duty Clause, requires employers to “furnish to each of his employees employment and a place of employment which are free from recognized hazards that are causing or are likely to cause death or serious physical harm to his employees.” Section 5(a) (2) requires employers to “comply with occupational safety and health standards promulgated under this Act.”

JCAHO requires effective monitoring program - follows NIOSH/OSHA guidelines

- **Ethylene Oxide**

OSHA (Standards - 29 CFR) - 1910.1047; 8-hour TWA 1ppm - 15 min STEL 5 ppm; Action Level 0.5 ppm
JCAHO follows OSHA Law

- **Laboratory Gases**

Formaldehyde

OSHA (Standards - 29 CFR)
Formaldehyde. - 1910.1048; 8-hour TWA 0.75 ppm - 15 min STEL 2ppm - Action Level 0.5 ppm
ACGIH Ceiling Limit of 0.3 ppm
JCAHO follows OSHA Law

Xylene

OSHA(Standards - 29 CFR) - 1910.1000 TABLE Z-1; Permissible exposure limit (PEL) for xylene is 100 ppm (435 milligrams per cubic meter (mg/m³)) of air as an 8-hour time-weighted average (TWA) concentration and 150 ppm (655 mg/m³) as a 15-minute TWA short-term exposure limit (STEL)
NIOSH recommended exposure limit (REL) for xylene is 100 ppm (435 mg/m³) as a TWA for up to a 10-hour work shift and a 40-hour work week and 200 ppm (868 mg/m³) for 10 minutes as a short-term limit.
ACGIH threshold limit value (TLV) of 100 ppm (435 mg/m³) as a TWA for a normal 8-hour work day and a 40-hour work week and a short-term exposure limit (STEL) of 150 ppm (655 mg/m³) for periods not to exceed 15 minutes.

- **Glutaraldehyde**

OSHA - National Institute for Occupational Safety and Health (NIOSH) Recommended Exposure Limit (REL): 0.2 ppm, 0.8 mg/m³ Ceiling;
JCAHO follows OSHA Law

- **Acetic Acid**

OSHA (Standards - 29 CFR) - 1910.1000 TABLE Z-1; Permissible exposure limit (PEL) for acetic acid is 10 ppm, 25 mg/m³ as an 8-hour time-weighted average (TWA) concentration
NIOSH recommended exposure limit (REL) for acetic acid is 10 ppm TWA; 15 ppm STEL
ACGIH threshold limit value (TLV) of 10 ppm, 25 mg/m³ TWA as an 8-hour time-weighted average (TWA) concentration; 15 ppm, 37 mg/m³ STEL
JCAHO follows OSHA Law

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