

University of Delaware
Environmental Health and Safety Protocol

Section: Fire Safety

Protocol Name: Toxic Gas Monitoring System

Origination Date: February 2021

Revisions:

Protocol Number: F-03

I. SCOPE OF PROTOCOL

To ensure the implementation of Toxic Gas Monitoring System (TGMS), equipment and systems are conducted in compliance with all applicable federal, state, local regulations and according to the procedures established by Environmental Health and Safety.

II. DEFINITIONS

- A. Toxic Gas Monitoring System (TGMS) constitutes any and all integrated continuous gas detection devices, systems, and alarms used as a life safety system to monitor highly toxic, toxic, flammable, pyrophoric, corrosive, and cryogenic gases.

III. PROTOCOL STATEMENT

The calibration and maintenance of Toxic Gas Monitoring system detector(s) is the responsibility of the department, lab, or center.

IV. PROTOCOL STANDARDS AND PROCEDURES

A. New Construction/Renovations

1. All new installations of this equipment and systems must be performed in compliance with all applicable federal, state, and local regulations. University Fire Protection Design Standards and University Design & Contraction Technical Guidelines: *Section 22 60 20_laboratory, process, and medical specialty gas piping systems* must be followed for all equipment installation and when practical for repair/replacement of existing systems and equipment.

B. Existing Buildings

1. It is imperative to life safety to have all toxic gas monitoring systems and equipment in a ready state to be effective in an emergency. For this reason, the procedures established by Environmental Health and Safety must be followed whenever a system or this equipment must be taken out of service.

C. Code Enforcement Consultations

1. Environmental Health and Safety serves as the University liaison between code enforcement officials and the University community for life safety/fire protection issues.

D. Leased Facilities

1. Employees occupying space in leased facilities should be afforded the level of safety provided by current federal, state, and local regulations.

Additional information on these topics, including the procedures and other university departments' involvement, is available by calling Environmental Health and Safety at 302-831-8475.