

Environmental Health & Safety Policy & Procedure #12

TITLE	EMERGENCY EYE/FACE WASH & SAFETY SHOWER INSPECTION POLICY
OBJECTIVE AND PURPOSE	To ensure that emergency eye/face washes and safety showers will work when they are required and to maintain the system free from contaminants (rust, bacteria, etc.).
RESPONSIBILITY	<u>ACTION</u>
FACILITIES PLANNING	<ul style="list-style-type: none"> ◆ Ensure all new construction and remodeling of laboratory facilities includes provision of eye/face washes and safety showers in accordance with the current edition of ANSI Z358.1. ◆ Ensure that during all new construction and remodeling of laboratory facilities, eye/face wash discharges can be captured by a tray or by discharge to a sanitary sewer for testing purposes.
PHYSICAL PLANT	<ul style="list-style-type: none"> ◆ Perform annual maintenance inspections of all eye/face wash and safety showers to ensure each unit operates as designed and according to ANSI specifications. Submit annual report to EH&S using the Emergency Eye/Face Wash and Safety Shower form (Attachment "A"). ◆ Conduct monthly testing of eye/face wash units. ◆ Conduct quarterly testing of safety showers. ◆ Ensure that for testing purposes, eye/face wash discharges can be captured by a tray or by discharge to a sanitary sewer. ◆ Document all testing on inspection tags attached to the units. ◆ Service and repair units when users report malfunctions or degraded performance. ◆ Place highest priority on the repair of malfunctioning units and/or units suffering degraded performance. ◆ Maintain database of all eye/face wash and safety shower locations and document all maintenance, service, or repair for each unit.
EQUIPMENT USERS	<ul style="list-style-type: none"> ◆ Ensure that eye/face wash and safety showers are not obstructed. ◆ Visually inspect eye/face wash and safety showers inspection tags to ensure the units have been inspected monthly. ◆ Report non-inspected, malfunctioning, and/or units suffering degraded performance to Physical Plant Work Control at 297-2240. ◆ If units are not serviced within one week of the service request, contact EH&S at 297-3129
ENVIRONMENTAL HEALTH AND SAFETY	<ul style="list-style-type: none"> ◆ Make safety shower testing equipment available to Physical Plant and/or users who would like to test their own equipment. ◆ Conduct periodic audits to determine whether units have been tested, serviced and maintained as required. ◆ Assist users in obtaining repairs or service when service requests have not been completed within the one week time frame
REFERENCE	<ul style="list-style-type: none"> ◆ 29CFR§1910.151(c), ANSI Z358.1 (latest edition), 29CFR§1910.1450-Appendix A, OSHA Interpretation Letters on the subject 9/30/94 and 6/21/95.
ATTACHMENTS	◆ <i>Emergency Eye/Face Wash and Safety Shower form- Attachment "A"</i>

Issued By: T. Bradley	Date Issued: 6/2001	Date Revised: 5/2004	Effective Date: 6/2001
APPROVED:	Vice President	Associate V.P.	Director

Emergency Eye/Face Wash and Safety Shower Annual Maintenance Inspection Form

LOCATION	DESCRIPTION
Building _____ Room _____ Unit Number _____	Type of Equipment: (check one) <input type="checkbox"/> Eye/Face Wash <input type="checkbox"/> Safety Shower <input type="checkbox"/> Combination
Evaluation Performed by: _____	Date _____

DESCRIPTION	SHOWER PERFORMANCE REQUIREMENTS	
Shower Height	()	Not less than 82 inches nor more than 96 inches from standing level
Water Spray Pattern	()	20 inch minimum diameter at 60 inches from standing level
Center of Water Spray	()	16 inches from any obstruction
Water Delivery	()	Minimum of 30 gallons per minute (gpm) for a minimum of 15 minutes
Control Valve & Actuator	()	Turn "ON" in one second with a stay-on feature and easily located
Location to Hazard	()	Maximum 10 second unobstructed travel distance on the same level as the hazard
Identification	()	Highly visible sign in a well-lit area free of debris
Velocity	()	Soft spent stream

DESCRIPTION	EYE/FACE WASH PERFORMANCE REQUIREMENTS	
Water Delivery	()	Dual stream flushing with a minimum of 0.4 gpm (eyewash only) or 3 gpm (eye/face wash) for a minimum of 15 minutes
Velocity	()	Soft spent stream
Location to Hazard	()	Maximum 10 second unobstructed travel distance on the same level as the hazard
Nozzles	()	Covers to protect from airborne contaminants
Nozzle Height	()	Not less than 33 inches nor more than 45 inches from standing level and a minimum of 6 inches from the wall or nearest obstruction
Control Valve & Actuator	()	Turn "ON" in one second with a stay-on feature and easily located
Identification	()	Highly visible sign in a well-lit area free of debris

Attachment "A"