

# EYE PROTECTION PROGRAM

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**Staff Review**

Management/Supervisors R. Monnie Date: 6/20/07

Safety Committee [Signature] Date: 6/25/2007

General Manager Approved [Signature] Date: 6/25/2007

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## **1.0 PURPOSE**

- 1.1 This program establishes the minimum requirements for eye protection while performing work that could result in injury to employees and/or contractors.

## **2.0 APPLICABILITY**

- 2.1 This procedure applies to all personnel whose eyes may be adversely affected while performing work that exposes them to any of the possibly hazardous conditions as outlined in section 2.3. These procedures apply to all Casitas Municipal Water District (CMWD) employees. For the purpose of this program, "Employees" include full-time, part-time and temporary employees, volunteers, and all contract workers under the direct supervision of CMWD personnel.
- 2.2 Applicable Regulations
  - 2.2.1 OSHA Regulation 29CFR Part 1910, Subpart 1 – Personal Protective Equipment
- 2.3 All employees shall wear safety glasses whenever there is a risk of eye injury resulting from the work being performed. Employees shall use appropriate eye or face protection when exposed to:
  - 2.3.1 Hazards from flying particles, chipping, hammering, drilling, sawing
  - 2.3.2 Metal cutting
  - 2.3.3 Molten metal
  - 2.3.4 Liquid chemicals, chemical gases or vapors
  - 2.3.5 Acids or caustics
  - 2.3.6 Batteries
  - 2.3.7 Work done on electrical equipment within flash protection boundaries per NFPA-70E (typically 40 in.)
  - 2.3.8 Potentially injurious light radiation, welding, oxygen-acetylene cutting

## **3.0 DEFINITIONS**

- 3.1 Employees – full-time, part-time and temporary employees, volunteers, and contract workers under CMWD direct supervision.
- 3.2 Eye Protection Devices – safety glasses and safety goggles that comply with ANSI Standard Z87.1-2015.

## **4.0 RESPONSIBILITY**

### **4.1 Safety Officer**

- 4.1.1 Oversee the Eye Protection Program
- 4.1.2 Work with eligible employees to provide prescription safety glasses

### **4.2 Managers/Supervisors**

- 4.2.1 Responsible for formally identifying the hazard and determining when eye protection is needed and what eye protection devices are suitable.
- 4.2.2 Shall ensure that all employees and volunteers under his/her direction use appropriate protection when in an eye hazard area(s) or performing work that requires eye protection.
- 4.2.3 Ensures that all employees and volunteers under his/her direction have the appropriate eye protection equipment (PPE).
- 4.2.4 Approves purchase of safety eyewear.
- 4.2.5 Ensures that all employees and volunteers under his/her direction have been trained in the proper use of appropriate eye protection equipment (PPE).
- 4.2.6 Makes sure visitors wear eye protection when and where necessary.

### **4.3 Employees**

- 4.3.1 Responsible for obtaining and properly wearing the appropriate eye protection equipment at all appropriate times and for designated tasks and where there is a potential for eye injury hazards.
- 4.3.2 Responsible for storage, care and maintenance of their eye protection equipment in good working condition, clean and sanitary, and replaces worn or damaged eye protection equipment.
- 4.3.3 Employees shall immediately report to their Manager/Supervisor any problem associated with eye protection equipment including malfunction, discomfort, ineffectiveness, unsanitary conditions or loss.
- 4.3.4 Make recommendations for and applies additional eye protection in work areas when necessary.
- 4.3.5 Asking questions of their supervisor when there is a concern about an unknown or hazardous situation.

## **5.0 TYPES OF EYE PROTECTION EQUIPMENT**

- 5.1 All eye protection devices shall comply with ANSI Standard 287.1-2003. When in use as eye protection devices, safety glasses/wrap

around safety glasses shall have side shields or be worn with safety goggles that have the same ANSI approval. Five types of eye protection devices that are available to employees, volunteers, and visitors:

- 5.1.1 Nonprescription safety glasses with side shields
- 5.1.2 Personal prescription or magnifier (readers) safety glasses with side shields, for employees and volunteers. Prior approval by the section manager shall be given before one can purchase prescription safety glasses
- 5.1.3 Temporary nonprescription safety glasses provided to employees and visitors in eye hazard areas (visitor glasses)
- 5.1.4 Goggles and face shields where appropriate
- 5.1.5 Oxygen/Acetylene/electric arc welding safety eyewear.
- 5.2 ANSI provides the following markings on eyewear to designate the protection the item provides:
  - 5.2.1 Impact vs Non-Impact
    - 5.2.1.1 Impact resistant will have a plus (+) symbol and written as "Z87+"
  - 5.2.2 Chemical Splash or Dust Protection will be marked with a code beginning with the letter "D"
    - 5.2.2.1 Protection from droplets and splashes is marked with "D3"
    - 5.2.2.2 Dust protection is labeled "D4"
    - 5.2.2.3 Fine dust protection is labeled "D5"
  - 5.2.3 Optical Radiation Protection
    - 5.2.3.1 Welding filter: "W" followed by a shade number on a scale from 1.3 to 14
    - 5.2.3.2 Ultra-violet (UV) filter: "U" followed by a number on a scale from 2 to 6
    - 5.2.3.3 Infa-red (Heat) filter: "R" followed by a number on a scale from 1.3 to 10
    - 5.2.3.4 Visible light (Glare) filter: "L" followed by a number on a scale from 1.3 to 10
    - 5.2.3.5 Clear lens: No additional marking
    - 5.2.3.6 Variable tint: "V"
    - 5.2.3.7 Special purpose: "S"
  - 5.2.4 When appropriate, two additional markings will appear on eye protection
    - 5.2.4.1 Eye protection designed for a smaller head size will be marked with the letter "H"
    - 5.2.4.2 Prescription lenses will have the manufacturer's logo.
  - 5.2.5 Eye protection may have several markings if it meets requirements for two or more categories.

## **6.0 HOW SAFETY WEAR IS ISSUED**

- 6.1 Nonprescription safety glasses and eye protection will be kept in stock as needed and determined by the section manager.
- 6.2 Safety reading glasses (diopter strength 1.0–3.0) will generally be ordered as needed directly from safety supply vendors.
- 6.3 Prescription safety glasses will be provided based on information listed below

## **7.0 PERSONAL PRESCRIPTION SAFETY GLASSES**

- 7.1 All Casitas employees and volunteers who engage in or are exposed to eye hazard operations are eligible to obtain prescription safety glasses at District expense in accordance with this policy.
- 7.2 The District does not pay for safety glass prescriptions. Employees are responsible for obtaining their own prescription from their own personal eye care professional.
- 7.3 The District will provide prescription safety glasses that are to be ordered through a District designated prescription eyewear vendor
  - 7.3.1 The eligible employees and volunteers shall first obtain his/her prescription from their personal eye care provider to be eligible for prescription safety glasses.
  - 7.3.2 Eligible employees shall receive approval from their supervisor or manager.
  - 7.3.3 Eligible employee will contact the Safety Officer to select frames (have prescription available) and complete order
  - 7.3.4 The District will pay the cost of the frames, lenses and some items that extend the life of the glasses. Not to Exceed \$200.
  - 7.3.5 The employee will be notified when the glasses are received. Any required adjustments/changes will be coordinated between the employee, Safety Officer and approved vendor.

## **8.0 REPLACEMENT AND REPAIRS**

- 8.1 Damaged or broken prescription safety glasses or frames shall be immediately replaced. The employee's manager/supervisor shall give prior approval for replacement. Prescription lenses can be replaced if the employee's optometrist recommends a prescription change. The employee's manager/supervisor shall give prior approval.

## **9.0 COMPLIANCE**

- 9.1 Employees failing to follow the requirements of the CMWD eye

protection program are subject to disciplinary action in accordance with the CMWD Injury and Illness Prevention Program (IIPP).

## **10.0 AUTHORITY**

- 10.1 Cal-OSHA, Subchapter 7, General Industry Safety Orders, Group 2, Safety Practices and Personal Protection, Article 10, Personal Safety Devices and Safeguards, §3382 Eye and Face Protection
- 10.2 ANSI Z87.1 - 2015 Standard