

Respiratory Protection Compliance Outline

The following outlines the four steps in order to comply with respiratory protection requirements as identified in 8, CCR 5144.

Step 1: Respiratory Needs Assessment & Written Program Development:

- a. Du-All Safety's respiratory protection specialist to visit the site to assess and determine the need for respiratory protection. This will include other options available to the employer, for example administrative and/or engineering controls to make respiratory protection unnecessary. The specialist will take air samples, review the MSDS's, identify the appropriate type of respiratory protection, cartridges, assuages, limitations, etc.
- b. A written respiratory protection program to comply with 8 CCR 5144 will be drafted and delivered to the client.
- c. Meet, review, and update as necessary the respiratory protection program draft with management. From this, specific training materials will be developed and used as a handout in the class.

Step 2: Medical Clearance for Respirator Use:

Du-All Safety's Licensed Healthcare Provider is available to offer the following options for required OSHA respirator medical clearance evaluations:

- a. Client sends the completed OSHA Respirator Medical Clearance Questionnaire forms and the Respirator Usage Form to the Licensed Healthcare Provider. Some employees may required to be further evaluated.
- b. Healthcare Provider comes on-site with their mobile medical office and provides: detailed review of the medical history OSHA respirator medical questionnaire, blood pressure screening, and pulmonary function test.

Step 3: Conduct Employee Respiratory Protection Training

a. Course identification, length and regulatory drivers: The following outline is used to conduct a one hour Respiratory Protection training class in accordance with 8 CCR 5144.

b. Learning objectives: At the conclusion of this class, the attendee will be able to: (1) identify the specific requirements of their respiratory protection program. (2) determine the correct respirator for a specific hazard; (3) discuss permissible exposure limits; (4) wear, clean and store a respirator correctly; (5) conduct a positive and negative user seal check.

Sequence Of Instruction

Definitions

Cal OSHA compliance requirements

Program administrator

Hazard assessment

Respirator selection and protection factors

Cartridge selection procedures

Filter obstruction

Air monitoring

Respiratory hazards

Medical evaluation requirements

Facial hair and corrective lenses

Eye and face protection

Fit test

Storage

Inspection

Cleaning and sanitizing

Repair and replacement

Voluntary use

Requirement appendices

The class will include: PowerPoint presentation, written handout(s), worksheets and individual certificates.

Class Max: TBA

Step 4: Fit-Testing

At the conclusion of this class, each participant will be fit-tested. Choices:

Quantitative Fit Testing is the best method as it determines the adequacy of the face-to-face piece fit or seal of a given type, make, model, and size of a tight fitting face piece respirator. Du-All Safety utilizes "state of the art" PortaCount Plus apparatus for quantitative fit testing. This computerized system allows for exposure specific OSHA protocol requirements to be met and documented.

Qualitative Fit Testing is a pass/fail test that is dependent on a subjective response from the respirator wearer. Types of qualitative fit testing agents are saccharine, bitrex, isoamyl acetate (banana oil), and irritant smoke.

Quantitative Fit Testing –minimum fit factor of 500 is needed for full-face respirators (Assigned Protection Factor of 50) and a minimum fit factor of 100 (Assigned Protection Factor of 10) is needed for ½ face respirators. QNFT is required for contaminant concentrations greater than ten times the PEL.

Qualitative Fit Testing - allows a maximum fit factor of 100 (Assigned Protection Factor of 10)

Respiratory Protection Requirement Summary:

Develop a site-specific written respiratory protection program.

Medical Surveillance: A) Respirator Medical Questionnaire by review physician,
Or B) on-site van to administer on-site physical.

Respiratory training.

Quantitative fit test using A) Portacount. quantitative fit test, Or B) Qualitative fit test (using banana oil).

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