

RESPIRATORY PROTECTION PROGRAM

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Summary of Changes

Date:	4/23/2020
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Section	Change
В	Added: student workers throughout when referring to employees
Definitions	Moved to Section L
C (1) c	Changed: respiratory hazard assessments to workplace assessments
C (1) e	Changed to read: assist departments, as needed, evaluate engineering and administrative controls
C (1) g	Added: Issue respirator Id cards to those who pass quantitative fit tests
C (2) c	Changed: respiratory hazard assessment to workplace assessments
C (2) e	Added: storage bags as equipment provided by Department Managers and Supervisors
C (2) g	Added: during normal work hours at the end of the sentence
C (3) g	Added: and wear respirator properly during use
C (4)	Section title changed to: Physician or Other Licensed Health Care Professional (PLHCP)
D (1)	Replaced: link to Respirator Medical Evaluation Questionnaire with web address location
D (2) note	Changed: off-campus health care provider to PLHCP
D (3)	Added: PLHCP reviews the questionnaire and determines if the employee or student worker needs a medical evaluation



F (2) a	Changed: Bring their own respirators to the fit test
F (2) c	Removed: and receive Respirator Identification card, if they have passed the fit test
G (1)	
G (1)	Shortened: removed specific reference to CHIMERA
G (2)	Added at the beginning: Workplace
G (5) c	Changed: MUC to the exposure level
H (1) b	Changed to read: fitting properly
H (3)	Reworded to: Send completed evaluations to RMS for review
H (4)	Changed to: Filters should be replaced according to Section C2F and when:
L & M	Sections moved to Appendix C
K (2) an	Appendix changed from C to D
K (2) b	Off-campus health care provider changed to PLHCP
Definitions	Removed definition for Maximum Use Concentration (MUC)
Appendix C	Information previously shown in Section L & M
Appendix D	Formerly Appendix C



A. SCOPE AND APPLICATION

The Respiratory Protection Program is established in accordance with 29 CFR 1910.134 Respiratory Protection the program elements necessary to protect employees from the harmful effects of inhaled hazardous substances at all University of Nevada, Las Vegas (UNLV) properties.

B. COMPLIANCE WITH PROGRAM

This program applies to all UNLV employees and student workers who wear respirators while performing job tasks.

C. DUTIES AND RESPONSIBILITIES

- (1) Risk Management and Safety (RMS)
 - a. Establish the Respiratory Protection Program for UNLV.
 - b. Identify a Respiratory Protection Program Administrator from the RMS staff.
 - c. Assist departments as needed, to perform workplace assessments and respiratory program evaluations.
 - d. Review respiratory program evaluations completed by departments.
 - e. Assist departments, as needed to evaluate engineering and administrative controls.
 - f. Offer training and fit testing for employees and student workers.
 - g. Issue respirator ID cards to those who pass quantitative fit tests.
- (2) Department Assistant Directors, Managers and Supervisors
 - a. Implement the Respiratory Protection Program.
 - b. Ensure an adequate number of employees are trained an qualified to safely perform assigned duties.
 - c. Ensure employee medical evaluations, training and fit requirements are current and being monitored/maintained.
 - d. Inform RMS of proposed engineering and administrative controls to address airborne contamination.



- e. Perform workplace assessments to identify hazards and respiratory protection needed.
- f. Perform program evaluations to assess effectiveness of respirator use in their area.
- g. Provide appropriate respirators, filters, parts, and storage bags at no cost to employees and student workers.
- h. Communicate cartridge change out schedules to employees and student workers as determined by:
 - i. End of service life indicators (ESLI).
 - ii. F
 - iii.



- c. Inspect respirators for cleanliness and defective parts before use.
- d. Turn in unusable respirators to supervisor for replacement.
- e. Clean and disinfect respirators according to the following:
 - i. Manufacturer instructions or the OSHA protocol (Appendix A).
 - ii. Exclusive Use As often as necessary.
 - iii. Multiple Users Each time before use.
- f. Store respirators in plastic bags and appropriate locations, to prevent:
 - i.



The questionnaire can be accessed at: OSHA 1910.134 Appendix C.

(2) Employees



- a. Changes in the workplace or types of respirators that cause previous training to become obsolete.
- b. Inadequacies in employee and student worker knowledge.
- c. Employees and student workers have not retained the necessary understanding or skill.
- d. Other situations suggesting additional training is necessary to ensure safe respirator use.
- (2) This training is available as an on-line training course on the RMS website and covers the information required by OSHA.
- (3) Respirator training, fit testing, and medical evaluations will be provided at no cost to employees and student workers. Training, fit testing and medical evaluations may be discontinued when job duties no longer require the use of respirators.

F. FIT TESTING PROCEDURE

- (1) Employees and student workers will contact RMS to schedule an appointment to receive fit test for the respirators that will be used.
- (2) Employees and student workers will:
 - a. Bring their own respirators to the fit test.
 - b. Complete user seal checks and obtain a good seal prior to the fit test.
 - c. Sign the fit test report.

G. WORK PLACE ASSESSMENTS

- (1) Department managers and supervisors, with assistance from RMS as needed, will perform workplace assessments to determine if respiratory hazards are present and methods needed to protect employees; including the use of engineering and administrative controls.
- (2) Workplace Assessments determine:
 - a. Respiratory hazards in the workplace.
 - b. Chemical state and physical form of hazards present.
 - c. potential exposure from these hazards.



- (3) The following sources should be reviewed when completing assessments:
 - a. Chemical inventory for work areas.
 - b. Safety Data Sheets (SDS) for the chemicals in your inventory.
 - c. Personal Protective Equipment (PPE) assessments conducted for employees and student workers job tasks.
 - d. RMS inspection reports and other special reports/studies outlining areas of concern.
- (4) Once the 4th set servie mt data been completed, (a)-3(s b st)6(u)3(h)p(sks.)]TJan3(n)6(t)-3(h)6(



- (2) The worksheet at Appendix B should be used to perform evaluations and document results.
- (3) Send completed evaluations to RMS for review.

I. FILTERS

- (1) Only National Institute of Occupational Safety and Health (NIOSH) certified filters, cartridges and canisters should be used.
- (2) NIOSH approved labels should not be removed, defaced or obscured.
- (3) Employees and student workers should check respirators for correct filters before use.
- (4) Filters should be replaced according to section C(2)f and when:
 - a. Detecting a vapor or gas break through.
 - b. Or experiencing a change in breathing resistance/leakage during use.

J. IMMEDIATELY DANGEROUS TO LIFE AND HEALTH

(IDLH) ATMOSPHERES

- (1) IDLH locations require monitoring, special equipment and procedures.
- (2) Before entering potential IDLH locations, contact RMS for instructions and the identification of proper equipment to be used. Note: For emergency , see Appendix C.

K. NON-MANDATORY RESPIRATOR USE

- (1) Employees and student workers may elect to use respirators, though not required for job tasks assigned.
- (2) Requirements for respirator users in this category include:
 - a. Receiving a copy of OSHA Appendix D (see Appendix D).
 - b.

submitting it to the PLHCP for review.

Respiratory Protection Program



c.



UNLV - Appendix B

Note: contacting RMS, OSH.

obtained by



UNLV - Appendix C (continued)

BREATHING AIR QUALITY

- (1) Owners and users of atmosphere-supplying respirators (supplied air and SCBA) should ensure the following:
 - a. Respirators are only used with breathing gases of high purity.
 - b. The specifications listed in OSHA Standard 1910.134 (i) are included in purchase requests when obtaining replacement breathing air/oxygen.
 - c. Certificates of analysis from suppliers are reviewed to ensure that breathing air provided is approved and meets specifications.
 - d. Compressed oxygen is not used in respirators that have previously used compressed air.
- (2) Cylinders shall be NIOSH approved breathing-gas containers that are tested, marked and maintained in accordance with the appropriate NIOSH and Department of Transportation (DOT) Standards.



UNLV - Appendix D

Information for Employees Respirators Not Required

(OSHA Appendix D)

Appendix D to Sec. 1910.134 (Mandatory) Information for Employees Using Respirators When Not Required Under the Standard

Respirators are an effective method of protection against designated hazards when properly selected and worn. Respirator use is encouraged, even when exposures are below the exposure limit, to provide an additional level of comfort and protection for worke