

## A. Evaluation of the written program

Begin your audit with an evaluation of the written respiratory protection program. In addition to the operating procedures describing respirator selection and use in the workplace, the program needs to include a discussion or explanation of these program elements.

	Yes	No
1. Has a written respiratory protection program that includes work-site specific procedures on the use of respirators been established?	<input type="radio"/>	<input type="radio"/>
2. Has a program administrator, with appropriate training and experience, been designated and identified in the written program?	<input type="radio"/>	<input type="radio"/>
3. Where respirator use is required, does the written program include discussion or explanation of how:		
a) Respirators are selected for the particular hazard(s) to which workers are exposed, including evaluation of workplace exposures?	<input type="radio"/>	<input type="radio"/>
b) Medical evaluations are performed for employees required to use respirators?	<input type="radio"/>	<input type="radio"/>
c) Fit testing is done for tight-fitting respirators?	<input type="radio"/>	<input type="radio"/>
d) Respirators are used in routine and emergency situations?	<input type="radio"/>	<input type="radio"/>
e) Respirators are cleaned, disinfected on a regular basis, stored, inspected, repaired, discarded and maintained?	<input type="radio"/>	<input type="radio"/>
f) Adequate air quality, quantity and flow are ensured for atmosphere-supplying respirators?	<input type="radio"/>	<input type="radio"/>
g) Employees are trained in the proper use of respirators, including putting on and taking off, any limitations, and maintenance?	<input type="radio"/>	<input type="radio"/>
h) Program effectiveness is regularly evaluated?	<input type="radio"/>	<input type="radio"/>
4. Where respirator use is voluntary:		
a) Has a determination been made that the use of respirators does not create a hazard?	<input type="radio"/>	<input type="radio"/>
b) Have users been provided with a copy of the contents of 29 CFR 1910.134 Appendix D.	<input type="radio"/>	<input type="radio"/>
c) Except for voluntary use of dust masks, are employees given sufficient medical evaluations and training on respirator use, care and maintenance to prevent the respirator from creating a health hazard?	<input type="radio"/>	<input type="radio"/>

## B. Respirator selection

The written program should describe, among other things, how respirators are selected. At this point in the audit, you should check that the respirators assigned to employees have been properly selected for the job(s) being performed. Review the most current information that describes the nature of the respiratory hazard (e.g., hazard communication chemical list and MSDS) and the degree or level of exposure (e.g., industrial hygiene monitoring results) for each job or task where respirators have been assigned. (Exposure monitoring results are not expected for escape or rescue respirators).

Determine if any respirators have been assigned for protection from chemical substances in the workplace that have OSHA substance-specific standards. In addition to reviewing written records, you may want to include a work-site walkthrough to determine, first hand, what types of respirators are in use.

	Yes	No
1. Has employee exposure monitoring been completed or have other reasonable estimates of employee exposures to respiratory hazards been evaluated?	<input type="radio"/>	<input type="radio"/>
2. Have the respirators used for protection from chemicals with OSHA substance-specific standards been specified according to the respirator selection tables in those standards.	<input type="radio"/>	<input type="radio"/>
3. Have respirators been selected according to the guidelines of the American National Standard Practices for Respiratory Protection (ANSI Z88.2) or NIOSH Respiratory Decision Logic?	<input type="radio"/>	<input type="radio"/>
4. Is the following criteria also considered in the selection of respirators:		
a) The existence or potential for oxygen-deficient or IDLH <sup>1</sup> atmospheres?	<input type="radio"/>	<input type="radio"/>
b) The assigned protection factor for a respirator compared to the exposures for a particular job?	<input type="radio"/>	<input type="radio"/>
c) The potential for eye irritation?	<input type="radio"/>	<input type="radio"/>
d) Warning properties of the airborne chemical contaminant(s)?	<input type="radio"/>	<input type="radio"/>
e) Use in emergency escape, rescue or fire fighting?	<input type="radio"/>	<input type="radio"/>
f) Any other selection criteria in your written program?	<input type="radio"/>	<input type="radio"/>
5. Are only NIOSH-certified respirators selected and used in accordance with their certifications?	<input type="radio"/>	<input type="radio"/>
6. Are respirators selected from a sufficient number of respirator models and sizes so that the respirator is acceptable, and correctly fits, the user?	<input type="radio"/>	<input type="radio"/>

<sup>1</sup>Immediately dangerous to life and health

	Yes	No
7. For IDLH atmospheres are the following respirators provided:		
a) A full facepiece pressure demand SCBA certified by NIOSH for a minimum service life of 30 minutes? Or,	<input type="radio"/>	<input type="radio"/>
b) A combination full facepiece pressure demand supplied-air respirator (SAR) with auxiliary self-contained air supply?	<input type="radio"/>	<input type="radio"/>
8. For non IDLH atmosphere:		
a) Are the selected respirators adequate to protect the health of the employee under routine and reasonably foreseeable emergencies?	<input type="radio"/>	<input type="radio"/>
b) Are the selected respirators appropriate for the chemical state and physical form of the contaminants?	<input type="radio"/>	<input type="radio"/>
c) Are particulate respirators either HEPA-certified by NIOSH under 30 CFR Part 11, or any filter-certified by NIOSH under 42 CFR part 84?	<input type="radio"/>	<input type="radio"/>
d) Are gas and vapor air purifying respirators equipped with an end-of-service life indicator (ESLI) certified by NIOSH for the contaminant?	<input type="radio"/>	<input type="radio"/>
e) If there is no ESLI appropriate for the gas or vapor in the workplace, has a change schedule for canisters and cartridges been implemented?	<input type="radio"/>	<input type="radio"/>
<b>Based on the results of your walk-through and records review:</b>		
9. Has the correct respirator been specified for each job or task requiring one?	<input type="radio"/>	<input type="radio"/>
10. Has the individual responsible for specifying respirators been adequately instructed on issuing the correct type?	<input type="radio"/>	<input type="radio"/>

## C. Medical evaluations

Review your procedures and records for employee medical evaluations under the respiratory protection program.

	Yes	No
1. Are medical examinations provided to determine the employee's ability to use a respirator before the employee is fit-tested or required to use the respirator in the workplace?	<input type="radio"/>	<input type="radio"/>
2. Is a physician or other licensed healthcare professional (PLHCP) being used to perform medical evaluations using a medical questionnaire (from 1910.134 Appendix C) or an initial medical examination that obtains the same information as the questionnaire?	<input type="radio"/>	<input type="radio"/>
3. Are the medical examinations and/or medical questionnaires administered confidentially during the employee's normal working hours, or at a time and place convenient to the employee?	<input type="radio"/>	<input type="radio"/>
4. Are the employees given an opportunity to discuss the questionnaire and examination results with the PLHCP?	<input type="radio"/>	<input type="radio"/>
5. Is the following information provided to the PLHCP before they make a recommendation concerning the employee's ability to use a respirator:		
a) The type and weight of the respirator to be used by the employee?	<input type="radio"/>	<input type="radio"/>
b) The duration and frequency of respirator use?	<input type="radio"/>	<input type="radio"/>
c) The expected physical work effort?	<input type="radio"/>	<input type="radio"/>
d) Additional protective clothing and equipment to be worn?	<input type="radio"/>	<input type="radio"/>
e) Temperature and humidity extremes that may be encountered?	<input type="radio"/>	<input type="radio"/>
6. Are follow-up medical exams provided for any employee answering Yes to questions one through eight, Section 2, Part A of Appendix C or when indicated from the initial medical examinations?	<input type="radio"/>	<input type="radio"/>
7. Has a written recommendation from the PLHCP been obtained for each employee required to wear a respirator?	<input type="radio"/>	<input type="radio"/>
8. Are additional medical evaluations provided if:		
a) An employee reports signs or symptoms related to their ability to wear a respirator?	<input type="radio"/>	<input type="radio"/>
b) A PLHCP, supervisor or program administrator informs employer of the need for re-evaluation?	<input type="radio"/>	<input type="radio"/>
c) Observations from the program evaluation that indicate need for re-evaluations?	<input type="radio"/>	<input type="radio"/>

## D. Respirator fit testing

Qualitative or quantitative fit testing is specified in OSHA's Respiratory Protection standard, per Appendix A, and in ANSI's respiratory protection standard. All respirators with tight-fitting, both positive and negative pressure configurations, require fit testing. Loose fitting hoods and helmets do not require fit testing. Review your procedures and records on fit testing to answer the following questions.

	Yes	No
1. Are fit tests performed upon initial respirator assignment and at least annually thereafter?	<input type="radio"/>	<input type="radio"/>
2. Are employees given a choice of different manufacturers' models and sizes to select from?	<input type="radio"/>	<input type="radio"/>
3. Are written records of fit tests results maintained?	<input type="radio"/>	<input type="radio"/>
4. Are additional fit tests conducted when the employee, PLHCP, supervisor or program administrator notice changes in an employee's physical characteristics that could affect respirator fit (e.g., substantial weight loss, facial scarring, dental changes)?	<input type="radio"/>	<input type="radio"/>
<b>For qualitative tests:</b>		
5. Are OSHA accepted fit test protocols from 1910.134 Appendix A used (i.e., isoamyl acetate, irritant smoke, saccharin mist or denatonium benzoate)?	<input type="radio"/>	<input type="radio"/>
6. Do the fit test procedures include a set of test exercises?	<input type="radio"/>	<input type="radio"/>
7. Are positive and negative pressure fit checks conducted prior to the fit test?	<input type="radio"/>	<input type="radio"/>
8. Are tests limited to respirators that must achieve a fit factor of 100 or less (i.e., assigned protection factor of 10 or less)?	<input type="radio"/>	<input type="radio"/>
9. Are air-supplied and powered air-purifying respirators converted to negative pressure respirators before fit testing, or is a surrogate <sup>2</sup> respirator used for the fit test?	<input type="radio"/>	<input type="radio"/>
<b>For quantitative tests:</b>		
10. Do trained personnel operate the testing equipment?	<input type="radio"/>	<input type="radio"/>
11. Is the testing equipment calibrated, maintained and operated in accordance with the manufacturer's instructions?	<input type="radio"/>	<input type="radio"/>
12. Do the fit test procedures include a set of test exercises?	<input type="radio"/>	<input type="radio"/>
13. Are written calibration records maintained?	<input type="radio"/>	<input type="radio"/>
14. Are air-supplied respirators and powered air purifying respirators properly modified prior to the test or is a probed surrogate <sup>2</sup> facepiece used?	<input type="radio"/>	<input type="radio"/>

<sup>2</sup>A respirator with the same facepiece sealing surface, typically of the same manufacturer and size

## E. Respirator use

	Yes	No
1. Are employees with facial hair or other conditions that will interfere with the seal between respirator and face or the respirator valve prohibited from wearing respirators with tight-fitting facepieces?	<input type="radio"/>	<input type="radio"/>
2. Are provisions made for people who wear corrective lenses with a full facepiece respirator?	<input type="radio"/>	<input type="radio"/>
3. When respirators are individually assigned, are they durably marked to identify the user?	<input type="radio"/>	<input type="radio"/>
4. Is a record maintained showing the date the respirator was issued to the employee?	<input type="radio"/>	<input type="radio"/>
5. Do employees perform user seal checks each time they put on a tight-fitting respirator?	<input type="radio"/>	<input type="radio"/>
6. Is appropriate surveillance of the work area conditions and exposures conducted to ensure that the current respirators are effective?	<input type="radio"/>	<input type="radio"/>
7. Are employees instructed to leave the respirator work area:		
a) To wash their face and respirator, as needed, to prevent eye and skin irritation from the respirator?	<input type="radio"/>	<input type="radio"/>
b) When they detect gas or vapor breakthrough, changes in breathing resistance or facepiece leakage?	<input type="radio"/>	<input type="radio"/>
c) To replace the filter, canister or cartridge?	<input type="radio"/>	<input type="radio"/>
8. For respirator use in IDLH atmospheres:		
a) Are steps taken to ensure there is at least one additional person present when someone wearing a respirator is in an IDLH atmosphere?	<input type="radio"/>	<input type="radio"/>
b) Is communication (visual, voice or signal line) maintained between all individuals present in the IDLH atmosphere?	<input type="radio"/>	<input type="radio"/>
c) Are the employee(s) located outside the IDLH atmosphere trained and equipped to provide effective emergency rescue?	<input type="radio"/>	<input type="radio"/>
d) Are arrangements made to ensure the employer is notified before the person outside the IDLH atmosphere enters the IDLH atmosphere to provide emergency rescue?	<input type="radio"/>	<input type="radio"/>

	Yes	No
9. Are the employees located outside the IDLH atmosphere equipped with:		
a) Pressure demand or other positive pressure SCBAs, or a pressure demand or other positive pressure-supplied air respirator with auxiliary SCBA?	<input type="radio"/>	<input type="radio"/>
b) Appropriate retrieval equipment for removing the employee(s) who enter(s) these hazardous atmospheres?	<input type="radio"/>	<input type="radio"/>
c) Equivalent means for rescue where retrieval equipment is not required by this standard?	<input type="radio"/>	<input type="radio"/>
10. Are frequent, random inspections performed to assure all respirators are properly selected, used, cleaned and maintained?	<input type="radio"/>	<input type="radio"/>

## F. Respirator care and maintenance

	Yes	No
1. Are respirators cleaned and disinfected using procedures in 1910.134 Appendix B or by equally effective methods?	<input type="radio"/>	<input type="radio"/>
2. Are respirators assigned to more than one employee cleaned and disinfected before being worn by different individuals?	<input type="radio"/>	<input type="radio"/>
3. Are emergency-use respirators and respirators used for training and fit-testing cleaned and disinfected after each use?	<input type="radio"/>	<input type="radio"/>
4. Are all respirators used in routine situations inspected before each use and during cleaning?	<input type="radio"/>	<input type="radio"/>
5. Are respirators maintained for emergency use inspected at least monthly?	<input type="radio"/>	<input type="radio"/>
6. Are emergency escape-only respirators inspected before being carried into the workplace for use?	<input type="radio"/>	<input type="radio"/>
7. Is a record maintained of inspection date(s), inspector name and findings for respirators for emergency use?	<input type="radio"/>	<input type="radio"/>
8. Does the respirator inspection include:		
a) A check of respirator function, tightness of connections and condition of various parts such as the facepiece, head straps, valve connection tubes, filter media, etc.?	<input type="radio"/>	<input type="radio"/>
b) A check of elastomeric parts for flexibility or deterioration?	<input type="radio"/>	<input type="radio"/>
c) Recharging any oxygen or air cylinder when the pressure is 90 percent of the manufacturer's recommended level or lower?	<input type="radio"/>	<input type="radio"/>
d) A check that SCBA regulators and warning devices function properly?	<input type="radio"/>	<input type="radio"/>
9. Are respirators that fail inspection, or are otherwise found to be defective, removed from service to be discarded, repaired or adjusted?	<input type="radio"/>	<input type="radio"/>
10. Is respirator replacement or repair accomplished only by experienced people using parts designed for the particular respirator?	<input type="radio"/>	<input type="radio"/>
11. Are reducing or admissions valves or regulators adjusted or repaired by the manufacturer or a technician trained by the manufacturer?	<input type="radio"/>	<input type="radio"/>
12. Is the location of all respirators for emergency use clearly marked?	<input type="radio"/>	<input type="radio"/>
13. Are employees instructed on the correct way to store respirators?	<input type="radio"/>	<input type="radio"/>



	Yes	No
14. Are checks made to ensure employees are not storing respirators in tool boxes or lockers without first placing them in proper containers?	<input type="radio"/>	<input type="radio"/>
15. Are respirators stored or packed so the facepiece and exhalation valve rest in a normal position?	<input type="radio"/>	<input type="radio"/>
16. Are provisions made to ensure all filters, cartridges and canisters used in the workplace are labeled and color-coded with the NIOSH approval label, and that the label is not removed and remains legible?	<input type="radio"/>	<input type="radio"/>

## G. Air quality for supplied-air respirators

If you do not currently have or use supplied-air respirators [i.e., self contained breathing apparatus (SCBA), air-line respirators (Type C or CE) or respirators with an air-line or SCBA combination], you may skip Part G of this audit

	Yes	No
1. For air or oxygen supplied from tanks:		
a) When oxygen is used, does it meet the requirements of the United States Pharmacopoeia for medical or breathing oxygen?	<input type="radio"/>	<input type="radio"/>
b) Does breathing air meet the specifications for Grade D breathing air?	<input type="radio"/>	<input type="radio"/>
c) Are steps taken to ensure compressed oxygen is not used in supplied-air respirators in which compressed air has once been used?	<input type="radio"/>	<input type="radio"/>
d) Are steps taken to see oxygen is not used for air-line respirators?	<input type="radio"/>	<input type="radio"/>
e) Have cylinders been tested and maintained as prescribed in DOT regulation 49 CFR Part 178?	<input type="radio"/>	<input type="radio"/>
f) Do the cylinders of purchased breathing air have a certificate of analysis from the supplier that the breathing air meets the requirements for Grade D breathing air?	<input type="radio"/>	<input type="radio"/>
g) Are provisions made to ensure that the moisture content in the cylinder does not exceed a dew point of $-50^{\circ}\text{F}$ at one atmosphere pressure?	<input type="radio"/>	<input type="radio"/>
2. For air supplied by an air compressor:		
a) Is the compressor of the breathing air type?	<input type="radio"/>	<input type="radio"/>
b) Is the compressor constructed and located to avoid contaminated air (i.e., compressor engine exhaust or chemicals) from entering the system?	<input type="radio"/>	<input type="radio"/>
c) Does the compressor minimize moisture content so that the dew point at one atmosphere pressure is 10 degrees F below the ambient temperature?	<input type="radio"/>	<input type="radio"/>
d) Does the compressor have in-line air purifying devices?	<input type="radio"/>	<input type="radio"/>
e) Is the receiver tank of sufficient capacity to allow the user to escape should the compressor fail?	<input type="radio"/>	<input type="radio"/>
f) Are alarms present in the system to indicate compressor failure and over-heating?	<input type="radio"/>	<input type="radio"/>
g) Does the compressor have a tag containing the most recent change date and the signature of the person authorized by the employer to perform the change (maintained at the compressor)?	<input type="radio"/>	<input type="radio"/>
h) For compressors that are not oil lubricated, are provisions made to ensure that carbon monoxide levels in the breathing air does not exceed 10 ppm?	<input type="radio"/>	<input type="radio"/>

	Yes	No
3. For oil-lubricated compressors:		
a. Does the compressor have a high temperature or carbon monoxide alarm, or both?	<input type="radio"/>	<input type="radio"/>
b. If only a high temperature alarm is installed, are tests performed frequently to ensure the carbon monoxide level is less than 10 ppm?	<input type="radio"/>	<input type="radio"/>
4. Do you ensure the breathing air-line couplings are incompatible with outlets from other gas systems?	<input type="radio"/>	<input type="radio"/>
5. Are breathing gas containers properly marked (in accordance with the NIOSH respirator certification standard, 42 CFR part 84)?	<input type="radio"/>	<input type="radio"/>

## H. Training and information

Employee training on respirators should be evaluated by a review of the written training records and by a plant or work-site walkthrough. The purpose of the walkthrough is to determine, first hand, if respirators used routinely are being worn and used properly.

	Yes	No
1. Has a training program been established for all employees assigned respirators or who may wear a respirator in an emergency?	<input type="radio"/>	<input type="radio"/>
2. Does the training program include supervisors?	<input type="radio"/>	<input type="radio"/>
3. Are records kept of the training activities?	<input type="radio"/>	<input type="radio"/>
4. Does the training program address the following:		
a. Why the respirator is necessary and how improper fit, usage or maintenance can compromise the protective effect of the respirator?	<input type="radio"/>	<input type="radio"/>
b. What the limitations and capabilities of the respirator are?	<input type="radio"/>	<input type="radio"/>
c. How to use the respirator effectively in emergency situations, including situations in which the respirator malfunctions?	<input type="radio"/>	<input type="radio"/>
d. How to inspect, put on and remove, use and check the seals of the respirator?	<input type="radio"/>	<input type="radio"/>
e. What the procedures are for maintenance and storage of the respirator?	<input type="radio"/>	<input type="radio"/>
f. How to recognize medical signs and symptoms that may limit or prevent the effective use of respirators?	<input type="radio"/>	<input type="radio"/>
g. The general requirements of the OSHA Respiratory Protection Standard?	<input type="radio"/>	<input type="radio"/>
5. Is the training conducted in a manner that is understandable to the employee?	<input type="radio"/>	<input type="radio"/>
6. Is training provided prior to requiring the employee to use a respirator in the workplace?	<input type="radio"/>	<input type="radio"/>
7. Is retraining conducted annually?	<input type="radio"/>	<input type="radio"/>
8. Is retraining also conducted when the following situations occur:		
a. Changes in the workplace or the type of respirator render previous training obsolete?	<input type="radio"/>	<input type="radio"/>
b. Inadequacies in the employee's knowledge or use of the respirator indicate that the employee has not retained the requisite understanding or skill?	<input type="radio"/>	<input type="radio"/>
c. Any other situation arises in which retraining appears necessary to ensure safe respirator use?	<input type="radio"/>	<input type="radio"/>

	Yes	No
Based on the results of your walkthrough:		
9. Are employees wearing the correct respirator for the task being performed?	<input type="radio"/>	<input type="radio"/>
10. Are respirators being worn properly?	<input type="radio"/>	<input type="radio"/>
11. Are conditions which interfere with the facepiece-to-face seal absent?	<input type="radio"/>	<input type="radio"/>

## I. Program evaluation and recordkeeping

Conducting this program audit on a regular basis can help meet the program evaluation requirements to the extent that you determine the provisions of the current written program are being effectively implemented and the program continues to be effective. The walkthrough recommended in this audit provide you an opportunity to observe, first-hand, how respirators are actually being used and to consult with employees to obtain their views of the program's effectiveness and identify any problems.

	Yes	No
1. Are the following factors, as a minimum, included in the program evaluation:		
a. Respirator fit?	<input type="radio"/>	<input type="radio"/>
b. Appropriate respirator selection?	<input type="radio"/>	<input type="radio"/>
c. Proper use of respirators in the workplace?	<input type="radio"/>	<input type="radio"/>
d. Proper respirator maintenance?	<input type="radio"/>	<input type="radio"/>
2. Are medical evaluations maintained and made available in accordance with 29 CFR 1910.1200 (Access to employee exposure and medical records)?	<input type="radio"/>	<input type="radio"/>
3. Do fit test records include:		
a. Employee name?	<input type="radio"/>	<input type="radio"/>
b. Type of fit test procedure?	<input type="radio"/>	<input type="radio"/>
c. Make, model style and size of respirator?	<input type="radio"/>	<input type="radio"/>
d. Date of test?	<input type="radio"/>	<input type="radio"/>
e. Pass/fail result from qualitative test or the test records from quantitative fit tests?	<input type="radio"/>	<input type="radio"/>
4. Are fit test records maintained at least until the next fit test?	<input type="radio"/>	<input type="radio"/>

