



LANSING COMMUNITY COLLEGE

# Respiratory Protection Program

This document provides the minimum requirements for developing, implementing, and maintaining Lansing Community College's Respiratory Protection program which conforms to MIOSHA General Industry Safety and Health Standard Part 451: Respiratory Protection and Lansing Community College Board of Trustees Policy 6.090.

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Occupational and Environmental Safety Department, Administrative Services Division

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# Change Log

Change Number	Description of Change	Date of Change	Changes Made By

## 1.0 Program Authorization and Document Control

### 1.1 Purpose

This Respiratory Protection Program establishes the minimum requirements for the selection, use, and management of respiratory protection at Lansing Community College (LCC). This document ensures respirators are used safely and effectively when required for employee protection or emergency preparedness and in compliance with applicable regulatory requirements.

### 1.2 Regulatory Authority

This program is developed in accordance with the Occupational Safety and Health Administration (OSHA) Respiratory Protection Standard, 29 CFR 1910.134, as adopted and enforced by the Michigan Occupational Safety and Health Administration Part 451 and Lansing Community College Board of Trustees Policy 6.090.

### 1.3 Program Administration

The Occupational & Environmental Safety (OES) office administers the Lansing Community College Respiratory Protection Program and is responsible for establishing, maintaining, and overseeing the program.

### 1.4 Program Applicability

This program applies to Lansing Community College employees who require respiratory protection as part of their job duties or emergency preparedness activities.

### 1.5 Document Control and Revision

Revisions are issued by Occupational & Environmental Safety as needed to reflect regulatory changes, operational changes, or findings from program evaluations.

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## 2.0 Scope and Applicability

### 2.1 Role of Respirators in Exposure Control

Respirators are specialized personal protective equipment used to reduce employee exposure to airborne hazards when engineering and administrative controls are not feasible or do not adequately control the hazard.

Respirator use places physical, physiological, and operational demands on employees and can affect comfort, endurance, communication, visibility, and work effectiveness. Because of these impacts, respirator use requires advance planning and careful evaluation.

Lansing Community College prioritizes engineering and administrative controls to eliminate or reduce airborne hazards. Occupational & Environmental Safety (OES) authorizes respirator use only after evaluating these controls and determining they are not feasible or not sufficient for the specific task or exposure scenario to control the hazard.

### 2.2 Emergency Preparedness and Public Health Directives

The College may choose to fit and maintain respirators for employees as part of emergency preparedness planning. In addition, public health authorities or external regulatory agencies may

recommend or require respirator use for routine and non-routine activities. OES will ensure respirator use for emergency or public health directives are in accordance with this document.

### 2.3 Exclusions and Limitations

Face coverings worn by students and employees, as defined in Section 3.2, do not constitute respirator use and remain at the discretion of the wearer.

Lansing Community College does not use respirators as a general method to control chemical or particulate airborne hazards for students. In instructional settings, the College relies on engineering and administrative controls as the primary methods of hazard control.

Academic programs may permit student use of respirators under limited circumstances, such as when respirator use is an essential component of instruction (e.g., self-contained breathing apparatus for firefighter training) or when required to comply with a public health directive (e.g., N95 respirators for clinical placements).

When student respirator use is permitted, the program must coordinate with Occupational & Environmental Safety (OES) to ensure requirements for medical evaluation, fit testing, training, and documentation are addressed in accordance with this document

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## 3.0 Definitions

For the purposes of this Respiratory Protection Program, the following definitions apply.

### 3.1 Air-Purifying Respirator (APR)

An air-purifying respirator removes contaminants from the air by passing air through filters, cartridges, or canisters. APRs do not supply oxygen and are not suitable for use in oxygen-deficient or unknown atmospheres.

### 3.2 Face Covering

A face covering is a mask or covering worn over the nose and/or mouth for comfort, personal hygiene, allergy relief, odor sensitivity, or personal preferences. Examples include fabric masks, paper masks, or similar coverings. Face coverings are not respirators, are not certified to provide respiratory protection from airborne hazards, and are not regulated under this Respiratory Protection Program.

### 3.3 Fit Test

A fit test is a procedure used to evaluate the fit of a specific make, model, and size of respirator on an individual employee. Fit testing is required before initial use of a tight-fitting respirator when respirator use is required.

### 3.4 Immediately Dangerous to Life or Health (IDLH)

An IDLH atmosphere poses an immediate or delayed threat to life, would cause irreversible adverse health effects, or would impair an individual's ability to escape.

### 3.5 Medical Evaluation

A medical evaluation is an assessment performed by a licensed healthcare professional to determine an employee's ability to safely wear a respirator.

### 3.6 N95 Respirator

An N95 respirator is a NIOSH-approved respirator designed to fit closely to the face and filter airborne particles. When properly fitted and worn, an N95 respirator filters at least 95 percent of airborne particles. Unlike face coverings or surgical masks, N95 respirators are designed to provide respiratory protection to the wearer and rely on a tight face seal to be effective. N95 respirator use requires a medical evaluation, fit testing, training, and other applicable requirements of this Respiratory Protection Program when required for occupational use.

### 3.7 Powered Air-Purifying Respirator (PAPR)

A powered air-purifying respirator (PAPR) is an air-purifying respirator that uses a battery-powered blower to pull air through filters or cartridges and deliver filtered air to the wearer's breathing zone. PAPRs may be loose-fitting or tight-fitting and are subject to the applicable requirements of this program when implemented.

### 3.8 Required Respirator Use

Required respirator use occurs when respiratory protection is necessary to protect employees from identified or potential airborne hazards or when mandated by regulation, job assignment, or emergency procedures.

### 3.9 Respirator

A respirator is a personal protective device designed to protect the wearer from inhaling hazardous airborne contaminants. Only respirators approved by the National Institute for Occupational Safety and Health (NIOSH) are authorized for use under this program.

### 3.10 Self Contained Breathing Apparatus

A self-contained breathing apparatus (SCBA) is an atmosphere-supplying respirator for which the breathing air source is designed to be carried by the user. SCBAs are used in oxygen-deficient or IDLH atmospheres and provide breathing air independent of the ambient environment.

### 3.11 User Seal Check

A user seal check is a check performed by the respirator wearer each time a tight-fitting respirator is donned to verify proper seating and seal. A user seal check is not a substitute for a fit test. Facial hair, eyewear, jewelry or other items may not interfere with the seal of a tight-fitting respirator.

### 3.12 Voluntary Respirator Use

Voluntary respirator use occurs when an employee chooses to wear a respirator in situations where respirator use is not required and no hazardous exposure requiring protection has been identified. Voluntary use remains subject to **applicable provisions** of this program and MIOSHA requirements.

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## 4.0 Roles and Responsibilities

### 4.1 Executive Leadership

The Executive Leadership Team provides institutional support necessary for effective implementation of this program. Responsibilities include:

- Providing adequate financial and labor resources to support program requirements

- Establishing and reinforcing expectations for division and department compliance

#### 4.2 Occupational & Environmental Safety (OES)

Occupational & Environmental Safety (OES) administers the program and provides oversight and technical guidance. Responsibilities include:

- Maintaining the written Respiratory Protection Program and evaluating its ongoing effectiveness
- Assessing airborne hazards and authorizing respirator use when necessary
- Approving respirator types, models, and components for use under this program
- Providing technical guidance and assistance to departments to identify, implement, and evaluate measures to control or eliminate airborne contaminants
- Provide access to online training modules

#### 4.3 Departments and Supervisors

Departments and supervisors with employees who require respiratory protection coordinate with Occupational & Environmental Safety (OES) to implement this program within their operations. Responsibilities include:

- Engaging OES when tasks or conditions involve actual or potential airborne chemical or particulate hazards, or when employees report respiratory symptoms or health concerns
- Participating with OES in hazard assessments to identify engineering and administrative controls to reduce or eliminate airborne hazards
- Ensuring employees complete and maintain required training, medical evaluations, and fit testing, and supporting compliance with Respiratory Protection Program requirements
- Purchasing employee respiratory protection equipment as identified by OES
- Maintaining department-level records and notifying OES of changes in tasks, materials, or conditions that may affect airborne exposures or respirator use

#### 4.4 Employees

Employees who are authorized to use respirators are responsible for:

- Using respirators in accordance with training and Respiratory Protection Program requirements, including performing required user seal checks, pre-use inspections and storage and maintenance of the respirator
- Using only respirators and components authorized under this program and promptly reporting equipment defects, malfunctions, or work-related symptoms or concerns to their supervisor
- Maintaining facial conditions that allow an effective face seal when required
- Completing required medical evaluations, fit testing, and training in a timely manner

## 4.5 Human Resources

Human Resources (HR) supports the Respiratory Protection Program through coordination of medical clearance administration and records management. Responsibilities include:

- Coordinating administrative processing and payment for required respirator medical evaluations and fit testing through the College's contracted occupational health provider
  - Retaining respirator medical clearance documentation received from the healthcare provider for the duration of the employee's employment plus thirty (30) years
  - Communicating an employee's respirator eligibility status to supervisors in a timely manner
- 

## 5.0 Respirator Program Procedures

### 5.1 Identification of Potential Respiratory Hazards

Departments and supervisors are responsible for identifying tasks, processes, materials, or conditions that may expose employees to airborne contaminants or oxygen-deficient atmospheres. Indicators may include, but are not limited to:

- Use of chemicals, particulates, fumes, vapors, or gases
- Employee reports of respiratory symptoms or concerns
- Visible dust, odors, or emissions
- New or modified processes, equipment, or materials
- Emergency response or non-routine tasks

When potential respiratory hazards are identified, departments must contact Occupational & Environmental Safety (OES) for evaluation.

### 5.2 Evaluation of Respiratory Hazards and Control Options

OES evaluates identified hazards to determine:

- The nature and magnitude of airborne exposure
- Applicable regulatory requirements
- Whether engineering or administrative controls are feasible and sufficient
- Whether respirator use is required or appropriate

Respirators are used only when engineering and administrative controls are not feasible, not sufficient, or when required by regulation.

### 5.3 Authorization and Selection of Respiratory Protection

When respirator use is determined to be necessary, OES selects the appropriate respiratory protection based on:

- The identified hazard(s)

- Exposure concentration and work conditions
- Assigned Protection Factor (APF)
- Compatibility with other required personal protective equipment
- Manufacturer specifications and limitations

Only respirators approved by OES may be used for work-related activities.

OES documents the evaluation and authorization using the **Respirator Evaluation Form (Appendix A)**, which includes:

- Hazard characterization
- Determination of respirator necessity
- Approved respirator type and configuration
- Conditions and limitations of use
- Approved cartridge type and change-out schedule
- Whether use is approved for routine operations, emergency response, or both.

OES provides this written authorization to the employee and supervisor prior to obtaining a medical evaluation and fit test. The completed form is used by the occupational health provider to conduct required medical evaluations and fit testing for tight-fitting respirators.

#### 5.4 Medical Evaluation

Employees required to wear respirators must complete a medical evaluation prior to fit testing or respirator use, in accordance with MIOSHA requirements.

Medical evaluations are coordinated through the College's designated occupational health provider. OES receives documentation indicating whether the employee is medically cleared or not cleared to use a respirator, including any applicable limitations related to respirator type or use.

Medical questionnaires, examination results, diagnoses, or other medical records are maintained by Lansing Community College Human Resources in accordance with applicable confidentiality requirements.

The employee, the supervisor and OES should receive notification of the employee's clearance to wear the respiratory protection assigned by OES and evaluated by the College's occupational health provider

#### 5.5 Fit Testing

Employees required to wear tight-fitting respirators must successfully complete fit testing:

- Prior to initial respirator use
- When a different respirator facepiece is used
- At least annually
- When physical changes could affect respirator fit

Fit testing is performed by the College's occupational health provider for the specific respirator model and configuration identified in the Respirator Evaluation Form (Appendix A). Fit testing is conducted using MIOSHA-approved qualitative or quantitative methods and documented in accordance with regulatory requirements.

#### 5.6 Training

Employees required to wear respirators receive training prior to use and at least annually thereafter.

Training includes:

- Why the respirator is necessary
- The limitations and capabilities of the respirator
- Proper donning, doffing, seal checks, and use
- Maintenance, storage, and inspection requirements
- Recognition of medical signs or symptoms that may limit effective respirator use

Training is delivered through the LCC Talent Management System (TMS) and reinforced by supervisors using the **Respirator Use and Care Job Aid (Appendix B)**.

Additional training is provided when:

- Changes occur in the type of respirator or components used
- Changes occur in job duties or exposure conditions
- Deficiencies in employee knowledge or respirator use are identified
- Program evaluations indicate retraining is necessary

#### 5.7 Issuance and Use of Respirators

Employees may be issued respirators only after all requirements in Sections 5.1 through 5.6 have been satisfied.

The College is responsible for the cost of respirators issued to employees. Supervisors are responsible for ensuring that employees:

- Use respirators only as authorized by OES
- Do not modify assigned respirators
- Use only the specific respirator make, model, and configuration for which they were medically cleared and fit tested

Substitution of unapproved respirators or components is not permitted.

#### 5.8 Maintenance, Storage, and Cartridge Change-Out

All filters, cartridges, and canisters used under this program shall be NIOSH-approved, properly labeled, color-coded as applicable, and maintained with labels legible and intact.

Respirators must be cleaned, maintained, and stored to prevent damage or contamination and inspected before each use and as otherwise required

Cartridges and filters must be changed in accordance with the change-out schedule documented in the Respirator Evaluation Form (Appendix A).

Employees must report respirator damage, malfunction, or concerns to their supervisor or OES immediately.

#### 5.9 Program Oversight and Re-Evaluation

Departments must notify OES when changes occur that could affect respiratory hazards or respirator use.

Supervisors are responsible for ensuring that employee training, medical clearance, and fit testing remain current and that assigned respirator equipment is maintained in good condition.

OES shall conduct ongoing oversight of the Respiratory Protection Program, including: periodic re-evaluation of hazards and respirator necessity, review of changes in processes, materials, or work conditions, review of employee feedback, incidents, or medical concerns and program documentation and recordkeeping

#### 5.10 Respirator Use in Emergency and IDLH Conditions

Immediately Dangerous to Life or Health (IDLH) atmospheres include conditions that pose an immediate threat to life, would cause irreversible adverse health effects, or would impair an individual's ability to escape. All oxygen-deficient atmospheres (<19.5% oxygen) are considered IDLH.

Lansing Community College employees shall not enter IDLH atmospheres unless specifically authorized and trained to do so as part of their assigned job duties (e.g., law enforcement, fire training, or emergency response functions).

When IDLH respirator use is authorized, Occupational & Environmental Safety (OES) shall ensure that only NIOSH-approved atmosphere-supplying respirators appropriate for IDLH conditions are used, such as pressure-demand self-contained breathing apparatus (SCBA) or supplied-air respirators with auxiliary SCBA.

IDLH operations shall include appropriate standby personnel, communication procedures, and emergency response capabilities consistent with MIOSHA Part 451 requirements. Employees not specifically authorized shall not enter IDLH atmospheres under any circumstances.

#### 5.11 Breathing Air Quality and Atmosphere-Supplying Respirators

When atmosphere-supplying respirators are used, Lansing Community College ensures that breathing air meets the requirements for Grade D breathing air as specified by MIOSHA Part 451.

Lansing Community College does not operate or maintain breathing air compressors for routine respirator use. When supplied air or compressed breathing air is used, it is obtained from approved vendors who certify compliance with applicable breathing air quality standards.

## 6.0 Voluntary Use of Respirators

### 6.1 General Provisions

This Respiratory Protection Program governs the use of respirators, defined as devices designed to provide respiratory protection from airborne hazards. Lansing Community College discourages voluntary use of respirators by employees and permits such use only under limited circumstances and only when reviewed and approved by Occupational & Environmental Safety (OES).

The use of face coverings, as defined in Section 3.11, including paper masks, fabric masks, or similar coverings worn for comfort, allergy relief, odor sensitivity, or personal preference, is not considered respirator use and remains at the discretion of the wearer.

Employees approved for voluntary respirator use, other than filtering facepieces, shall be provided information consistent with MIOSHA Respiratory Protection Appendix D: *Information for Employees Using Respirators When Not Required Under the Standard*.

### 6.2 Use of Personal Respirators

Employees shall not bring or use personally owned respirators for work-related activities unless such use has been reviewed and authorized by OES.

### 6.3 Limited Voluntary Respirator Use and Cost Responsibility

In rare situations where voluntary respirator use may be considered appropriate, departments and supervisors must consult with OES in advance.

If voluntary respirator use is approved by OES, all costs associated with voluntary respirator use are the responsibility of the employee. This may include the cost of equipment, replacement components, medical evaluations, fit testing, and related services. Lansing Community College does not reimburse costs associated with voluntary respirator use.

## 7.0 Recordkeeping

Lansing Community College maintains records required under the Respiratory Protection Program in accordance with MIOSHA Part 451.

The following records are maintained:

- **Medical clearance determinations and fit test documentations** are retained by Human Resources for the duration of employment plus thirty (30) years.
- **Respirator evaluations and equipment recommendations**, including respirator make, model, size, and test date, are maintained by Occupational & Environmental Health.
- **Respirator training records** are maintained through the College's Talent Management System (TMS).
- **Respirator authorization and cartridge change-out documentation** are maintained by OES.
- **Program evaluation records**, when applicable, are maintained by OES.

All records are maintained in a manner that protects employee confidentiality and are made available to MIOSHA upon request.

## Appendix A:

### Respirator Evaluation Form

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#### Section 1 – Employee Information

Field	Entry
Name	
Employee ID	
Job Title / Unit	
Work Location(s)	
Supervisor	
Date of Form	
OES Reviewer	

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#### Section 2 – Respirator Assigned

Item	Selection
Respirator Type	<input type="checkbox"/> Half-face APR <input type="checkbox"/> Full-face APR <input type="checkbox"/> PAPR <input type="checkbox"/> Other: _____
Manufacturer	
Model	
Size	
Facepiece Material	<input type="checkbox"/> Elastomeric <input type="checkbox"/> Silicone <input type="checkbox"/> Other
Assigned for	<input type="checkbox"/> Routine <input type="checkbox"/> Emergency <input type="checkbox"/> Both
Fit Test Date (most recent)	_____

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Item	Selection
Fit Test Method	<input type="checkbox"/> Qualitative <input type="checkbox"/> Quantitative

### Section 3 – Anticipated Use & Conditions

#### Anticipated Tasks / Scenarios (describe below):

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#### Expected Contaminants:

- Particulates (dust, powders)
- Organic vapors
- Acid gases
- Combination (specify): \_\_\_\_\_
- Unknown / emergency response

#### Exposure Characteristics:

- Duration per use:  <15 min  15–60 min  >1 hr
- Frequency:  Occasional  Intermittent  Frequent
- Environment:  Indoor  Outdoor  Confined space
- Temperature extremes expected?  Yes  No

### Section 4 – Cartridge / Filter Selection

Item	Entry
Cartridge / Filter Manufacturer	
Cartridge / Filter Model	
Protection Type	<input type="checkbox"/> P100 <input type="checkbox"/> OV <input type="checkbox"/> AG <input type="checkbox"/> Multi-Gas <input type="checkbox"/> Combination

Item	Entry
NIOSH Approval	<input type="checkbox"/> Yes
Basis for Selection	<input type="checkbox"/> 3M Cartridge Selector <input type="checkbox"/> SDS review <input type="checkbox"/> OES assessment

**Notes / Rationale:**

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### Section 5 – Cartridge Change-Out Schedule

Item	Entry
Change-Out Method	<input type="checkbox"/> Time-based <input type="checkbox"/> End-of-service indicator
Change-Out Frequency	<input type="checkbox"/> Per use <input type="checkbox"/> Daily <input type="checkbox"/> Weekly <input type="checkbox"/> Other: _____
Assumptions Used	<input type="checkbox"/> Concentration <input type="checkbox"/> Humidity <input type="checkbox"/> Duration <input type="checkbox"/> Breakthrough
Calculator Used	<input type="checkbox"/> 3M Service Life Calculator
Calculated Service Life	
Applied Safety Factor	<input type="checkbox"/> 50% <input type="checkbox"/> 25% <input type="checkbox"/> Other
Final Change-Out Interval	

**Change-Out Trigger (plain language):**

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### Section 6 – Use Limitations & Prohibitions

This respirator **shall NOT** be used:

- In IDLH atmospheres
- Where oxygen <19.5%
- For unknown airborne hazards
- Beyond assigned cartridge change-out schedule

**Additional Restrictions:**

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### Section 7 – Training & Acknowledgment

Item	Date
Respirator Training Completed	
Job Aid Training	

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### Section 8 – OES Approval

OES confirms that the selected respirator and cartridge combination is appropriate for the anticipated use conditions described above.

OES Signature: \_\_\_\_\_ Date: \_\_\_\_\_

## Appendix B:

### Job Aide – Respirator Use and Care

***Supervisors must review this Job Aid with each employee, answer any questions by the employee and both employee and supervisor sign this Job Aid before employee is permitted to wear a respirator***

#### Employee & Task Information

- Employee Name: \_\_\_\_\_
- Supervisor Name: \_\_\_\_\_
- Authorized Task(s):  
\_\_\_\_\_

- Identified Hazard(s):  
\_\_\_\_\_

#### Authorized Respirator Equipment

*(Only the equipment listed below may be used)*

- Respirator Make / Manufacturer: \_\_\_\_\_
- Respirator Model: \_\_\_\_\_
- Respirator Size (if applicable): \_\_\_\_\_
- Cartridge / Filter Type: \_\_\_\_\_
- Cartridge / Filter Make / Model: \_\_\_\_\_

#### Approved Cartridge / Filter Change-Out Schedule

- Change-Out Frequency:  
 Per use  Daily  Weekly  Other: \_\_\_\_\_
- Additional Notes / Triggers (if applicable):  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

#### Required Program Dates

- Medical Evaluation Date: \_\_\_\_\_
- Fit Test Date (if required): \_\_\_\_\_

- Next Fit Test Due By: \_\_\_\_\_
  - Date online training completed: \_\_\_\_\_
- 

### What You Must Know (The Basics)

- You may only use the respirator and cartridges listed above
  - You must be clean-shaven where the respirator seals to your face  
*(unless a loose-fitting respirator has been authorized)*
  - Eyewear, face coverings, hair, or other items must not interfere with the respirator seal
  - A respirator does not supply oxygen and will not protect you in low- or unknown-oxygen environments
  - A respirator will not protect you if the wrong cartridge or filter is used
  - This respirator is not authorized for emergency response or IDLH (Immediately Dangerous to Life or Health) conditions
  - Do not use a respirator for tasks or hazards you do not understand
  - Do not enter unknown or uncontrolled environments
  - Do not bring or use respirators from home
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### Before Each Use – Inspect Your Respirator

Before putting on your respirator, check the following:

- Facepiece is clean, dry, and free of cracks, tears, or distortion
- Straps, buckles, and head harness are intact and functional
- Valves are present, flexible, and not damaged
- Cartridges/filters are correct, properly seated, and within change-out limits
- No missing parts or visible damage

Do not use the respirator if it fails inspection.

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### User Seal Check – Positive and Negative Pressure Checks

You must perform a user seal check every time you put on your respirator to confirm it is sealing properly to your face.

#### Positive Pressure Check (Exhalation Check)

- Gently cover the exhalation valve (or follow manufacturer instructions)
- Exhale gently
- The facepiece should slightly bulge outward without air leaking around the edges

If air leaks, readjust the respirator and repeat the check.

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### **Negative Pressure Check (Inhalation Check)**

- Gently cover the cartridge or filter inlets
- Inhale gently
- The facepiece should slightly collapse inward and remain collapsed for a few seconds

If air enters around the seal, readjust the respirator and repeat the check.

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### **If You Cannot Pass Either Seal Check**

- Do not proceed with work
- Exit the hazard area (if applicable)
- Reposition the respirator and adjust the straps
- Check for facial hair, hair, eyewear, or other items interfering with the seal
- Do not switch to a different size, model, or respirator type
- Contact your supervisor or Occupational & Environmental Safety (OES) for guidance

*Employees may only use the respirator make, model, and size for which they have been medically cleared and fit tested.*

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### **While Wearing the Respirator**

- Keep the respirator on at all times while in the hazard area
  - Do not remove or loosen the respirator while exposed
  - Do not modify the respirator or cartridges
  - Follow the approved cartridge/filter change-out schedule
- 

### **Stop Work Authority**

You have the authority to stop work at any time if respirator use does not feel safe or if conditions change.

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### **Stop Work and Leave the Area If:**

- Breathing becomes difficult
  - You smell or taste contaminants
  - You feel dizzy, short of breath, or unwell
  - The respirator is damaged or not working properly
  - Cartridge or filter change-out limits are reached
  - You are unsure the respirator is providing protection
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### **Removing (Doffing) the Respirator**

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- Exit the hazard area before removing the respirator
  - Remove the respirator carefully to avoid contamination
  - Do not touch contaminated surfaces of the respirator with bare hands
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### Cleaning and Disinfecting

Reusable respirators must be cleaned:

- After each use
- Whenever visibly dirty
- Before storage

Cleaning basics:

- Disassemble removable parts per manufacturer instructions
- Wash facepiece with mild detergent and warm water
- Rinse thoroughly
- Disinfect if required
- Allow to air dry completely before reassembly

Do not use solvents, harsh cleaners, or heat to dry respirators.

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### Storage

- Store respirators in a clean, dry location
  - Protect from dust, sunlight, extreme temperatures, and chemicals
  - Do not store respirators with cartridges attached unless authorized
  - Do not hang respirators by straps
  - Removed cartridges and filters must be stored in a clean, sealed container or disposed of per the approved change-out schedule
- 

### Care and Limitations

- Do not alter or repair respirators unless trained and authorized
  - Report damaged or malfunctioning respirators to your supervisor or OES
  - Contact Occupational & Environmental Safety (OES) if tasks, hazards, work duration, or respirator use conditions change
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### Acknowledgment

By signing below, I acknowledge that I have received this job aid, understand the requirements for respirator use, and agree to follow the instructions and limitations listed above.

Employee Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Supervisor Signature: \_\_\_\_\_ Date: \_\_\_\_\_

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## Appendix C:

### MIOSHA Respiratory Protection; Part 451 Crosswalk

<b>MIOSHA Part 451 Requirement</b>	<b>Description</b>	<b>Where Addressed in LCC Program</b>
<b>1910.134(c)</b>	Written Respiratory Protection Program required	Entire document
<b>1910.134(c)(1)</b>	Program administered by qualified program administrator	Section 1.3; Section 4.2
<b>1910.134(c)(1)(i)</b>	Procedures for selecting respirators	Sections 5.2, 5.3
<b>1910.134(c)(1)(ii)</b>	Medical evaluations	Sections 5.4; 7.0
<b>1910.134(c)(1)(iii)</b>	Fit testing procedures	Section 5.5
<b>1910.134(c)(1)(iv)</b>	Proper respirator use (routine & emergency)	Sections 5.7, 5.10
<b>1910.134(c)(1)(v)</b>	Cleaning, storage, inspection, maintenance	Sections 5.8; Appendix B
<b>1910.134(c)(1)(vi)</b>	Breathing air quality for atmosphere-supplying respirators	Section 5.11
<b>1910.134(c)(1)(vii)</b>	Training on respiratory hazards	Section 5.6
<b>1910.134(c)(1)(viii)</b>	Training on respirator use & limitations	Section 5.6; Appendix B
<b>1910.134(c)(1)(ix)</b>	Program evaluation	Section 5.9
<b>1910.134(c)(2)</b>	Voluntary respirator use	Section 6.0
<b>1910.134(c)(2)(i)</b>	Appendix D information provided	Section 6.1
<b>1910.134(c)(3)</b>	Program administrator designated	Sections 1.3; 4.2
<b>1910.134(c)(4)</b>	Employer provides respirators at no cost	Section 5.7
<b>1910.134(d)</b>	Selection of respirators	Sections 5.2, 5.3
<b>1910.134(d)(1)</b>	General selection requirements	Section 5.3

<b>MIOSHA Part 451 Requirement</b>	<b>Description</b>	<b>Where Addressed in LCC Program</b>
<b>1910.134(d)(2)</b>	IDLH respirator requirements	Section 5.10
<b>1910.134(e)</b>	Medical evaluation requirements	Section 5.4
<b>1910.134(f)</b>	Fit testing requirements	Section 5.5
<b>1910.134(g)</b>	Use of respirators	Sections 5.7, 5.10; Appendix B
<b>1910.134(g)(1)</b>	Face seal protection / facial hair	Sections 3.11; 4.4; Appendix B
<b>1910.134(h)</b>	Maintenance and care of respirators	Section 5.8; Appendix B
<b>1910.134(i)</b>	Breathing air quality	Section 5.11
<b>1910.134(j)</b>	Identification of filters and cartridges	Section 5.8
<b>1910.134(k)</b>	Training and retraining	Section 5.6
<b>1910.134(l)</b>	Program evaluation	Section 5.9
<b>1910.134(m)</b>	Recordkeeping	Section 7.0
<b>Appendix A</b>	Fit testing procedures	Section 5.5
<b>Appendix B-1</b>	User seal checks	Appendix B
<b>Appendix B-2</b>	Cleaning procedures	Appendix B
<b>Appendix C</b>	Medical questionnaire	Managed by HR (Section 5.4)
<b>Appendix D</b>	Voluntary use information	Section 6.1

## Appendix D:

MIOSHA Respiratory Protection; Part 451

[https://www.michigan.gov/leo/-  
/media/Project/Websites/leo/Documents/MIOSHA/Standards/Combined/CS\\_GI\\_451/CS\\_GI\\_451\\_04-26-2021.pdf](https://www.michigan.gov/leo/-/media/Project/Websites/leo/Documents/MIOSHA/Standards/Combined/CS_GI_451/CS_GI_451_04-26-2021.pdf)