

Occ-COVID Science & Solutions continues!

Respirator Program Considerations for Non-Healthcare Workplaces – Evaluating the Need and Implementation Guidance for COVID-19.

Kevin Hedges (obo Dr. Margaret Sietsema,
University of Illinois)



Friday, December 11th, 2020 from 1:30 to 3:00pm

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Occupational
Health Clinics
for Ontario
Workers Inc.

Centres de
santé des
travailleurs (ses)
de l'Ontario Inc.

[Prevent Occupational Disease](#)

Please also refer to presentations from Dr. Simon Smith

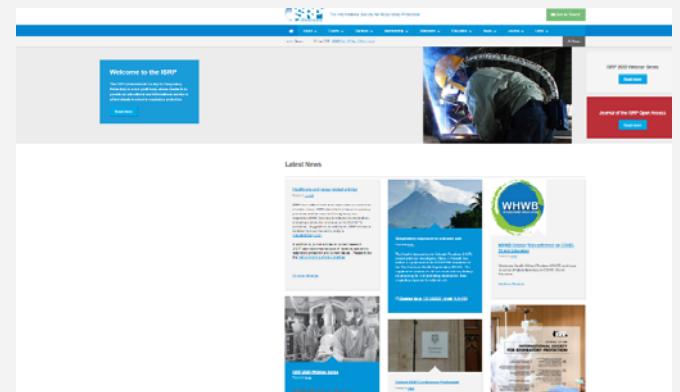
Selecting Effective Respiratory Protective Equipment for SARS COVID 2. (OHCOW)

Coronavirus (COVID) Respiratory Protection Resources and Updates on behalf of
The International Society for Respiratory Protection (ISRP) April 2020. (WHWB)



Occupational Health Clinics for Ontario Workers Inc.
Prevention Through Intervention

The Role of Respiratory Protection in Response to Coronavirus: Americas Response to SARS-CoV2 (COVID-19) Outbreak.



The International Society for Respiratory Protection – ISRP, is a non-profit organization whose charter is to provide an educational and informational service to all individuals involved in respiratory protection.

Please also refer to CAN/CSA-Z94.4-18

National Standard of Canada

Selection, use, and care of respirators

<https://www.csagroup.org/>

Respirator Program Considerations for Non-Healthcare Workplaces – Evaluating the Need and Implementation Guidance for COVID-19

Office after hours ~ all day
Tuesday through Friday
8 AM to 5 PM
QPM



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Elimination

Engineering

Administration

PPE

- Reduce people working

- Increase ventilation
- Add barriers

- Alter work shifts to reduce number of people

- Respiratory Program

Do you need a respiratory protection program?

- Do workers work indoors?
- Do workers work in close proximity to other people?
 - Less than 6 feet for greater than 15 min.
- Are other controls not available?





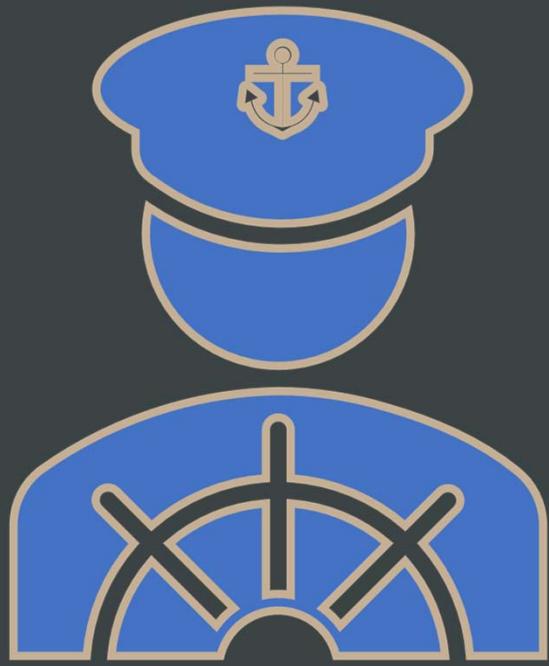
How do you implement a respiratory protection program?

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 - Written Program
 - Program Administrator
 - Risk Assessment/Respirator Selection
 - Information
 - Medical Evaluation
 - Fit Testing
 - Maintenance and Use
 - Training
 - Program Evaluation
 - Recordkeeping
 - Availability



Written Program

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Program Administrator

- Identify 1 Person Responsible for the RPP
 - Properly trained
- Should NOT be a division (EHSO) or department



Program Administrator

- Written Program should outline specific responsibilities for this person which may include:
 - Ensuring records are maintained
 - Identifying who will be doing fit testing/medical evaluation/training
 - Ensuring risk assessment is conducted
 - Ensuring proper storage and maintenance
 - Evaluating and updating program as needed

Risk Assessment/ Respirator Selection

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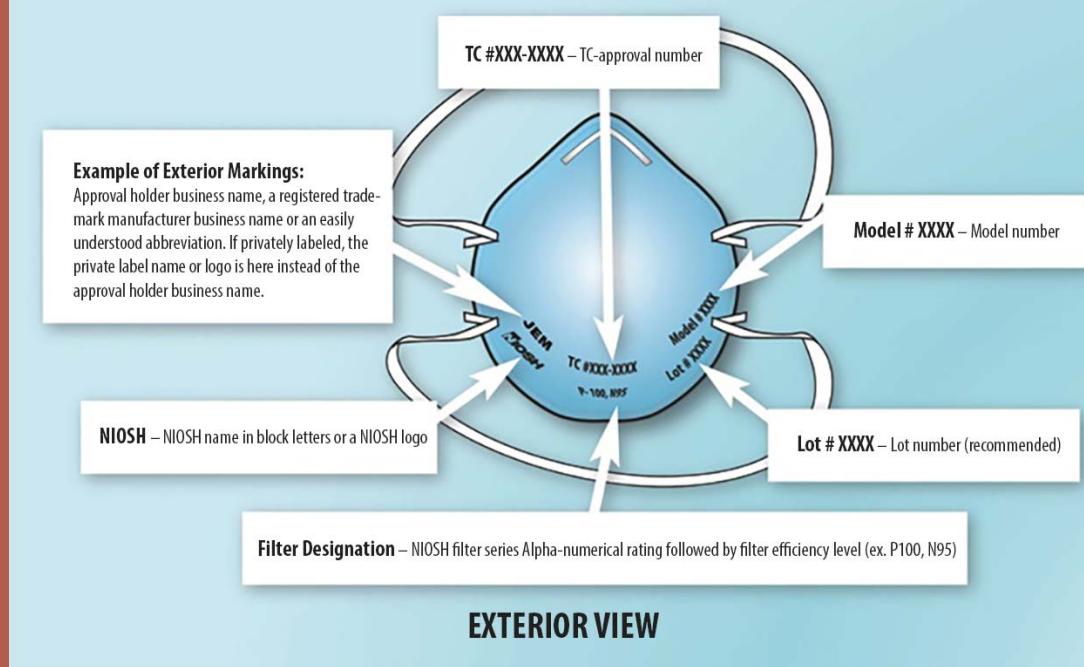
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Make sure respirator has appropriate certification!

Similar filters in different countries

- N95 in US
- FFP2 in Europe
- KN95 in China
- P2 in Australia/New Zealand
- Korea 1st Class in Korea
- DS2 in Japan



Risk Assessment/ Respirator Selection

Half Mask Respirators

- Filtering Facepiece Respirators
- Elastomeric Respirators

Full Facepiece Respirators



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What about exhalation valves?

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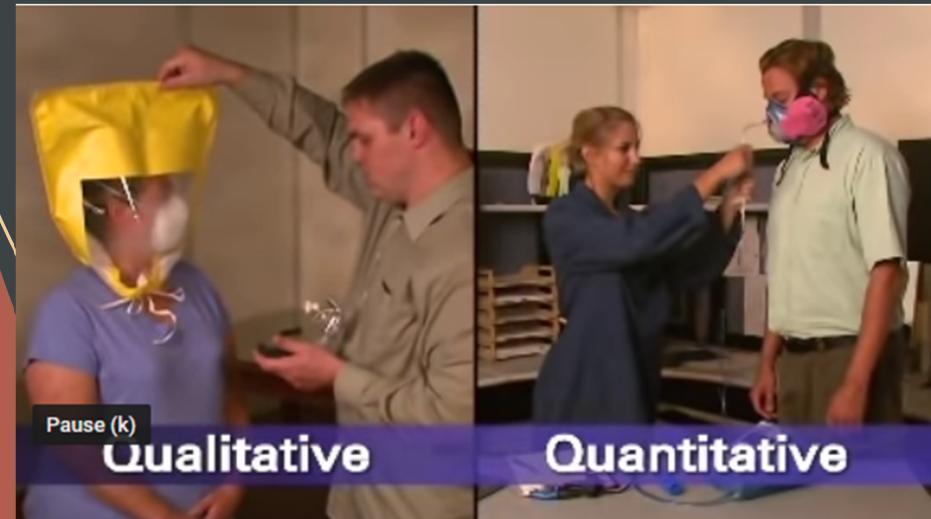
Medical Evaluation

- Employees need to be medically cleared that they are able to safely wear a respirator
- Should be done by a physician or other licensed health care professional
- Should be done at a time convenient to the employee and at no cost



Fit Testing

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Facial Hairstyles and Filtering Facepiece Respirators

Intended for workers who wear tight-fitting respirators



Original image vector by fred-13er/Shutterstock.com

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Centers for Disease Control
and Prevention
National Institute for Occupational
Safety and Health

2017

*If your respirator has an exhalation valve, some of these styles may interfere with the valve working properly if the facial hair comes in contact with it.

**This graphic may not include all types of facial hairstyles. For any style, hair should not cross under the respirator sealing surface.

Source: OSHA Respiratory Protection Standard

https://www.osha.gov/pil/oshaweb/towadsp/show_document?p_table=standards&p_id=12716

Further Reading: NIOSH Respirator Trusted-Source Webpage

https://www.cdc.gov/niosh/mppt/topics/respirators/disp_part/resource3fittest.html

Maintenance and Use

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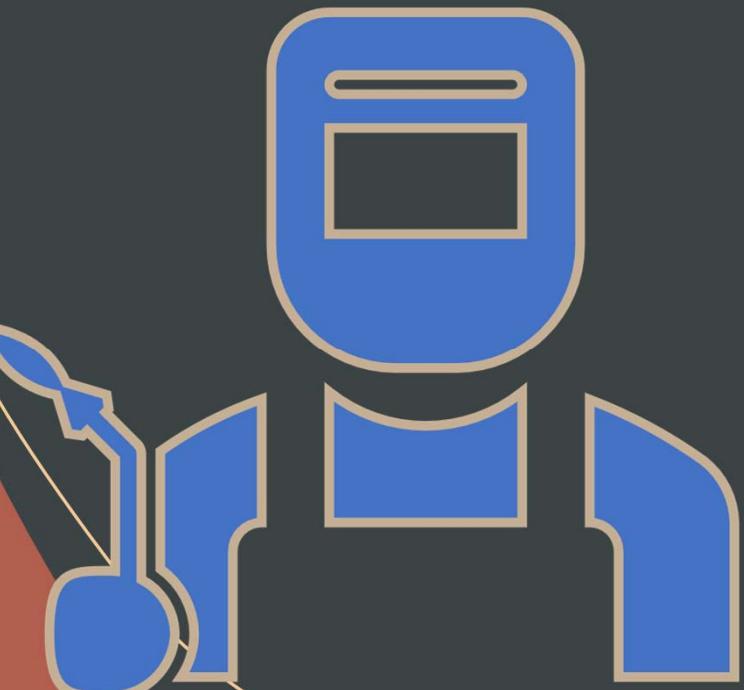
Maintenance and Use COVID-19 Considerations

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Training

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Program Evaluation



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Recordkeeping

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Availability

- Must ensure adequate supply
- Given COVID-19 respirator availability issues this might be difficult
- Extended Use / Re-Use policy and procedures if required.



Questions?

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