

**Wildfire Smoke Protection Plan - Appendix D: Exposure Controls**

Control Level	Threshold		Required Control	Notes	Parts of the Respiratory Protection Plan That Apply
	[PM2.5] ug/m <sup>3</sup>	AQI			
1	≥35.5	≥101	Voluntary use of respirators <sup>1</sup>	NIOSH-approved respirators are available that effectively protect wearers from PM2.5. These must be provided at no cost and readily available for voluntary use to all exposed employees at their request. Sufficient numbers and sizes must be maintained at each work location where employees are exposed.	<b>Filtering facepiece respirators</b> ... None <b>Elastomeric respirators</b> ... H&SM Ch 17 Appendix D
2	≥150.5	≥201	Engineering & Administrative Controls	When feasible, engineering and administrative controls are required to reduce PM2.5 exposure levels to < 150.5 ug/m <sup>3</sup> (AQI 201). Examples of engineering controls include working in enclosed buildings, structures, or vehicles where the air is filtered to keep PM2.5 exposure levels below 150 ug/m <sup>3</sup> (AQI 201). Examples of administrative controls include relocating work to an outdoor location where the current ambient air concentration of PM2.5 is <150.5 ug/m <sup>3</sup> (AQI 201), or scheduling work when the ambient air concentration of PM2.5 is less than 150.5 ug/m <sup>3</sup> (AQI 201).	N/A
3	≥150.5	≥201	Required use of respirators <sup>2</sup>	Managers must ensure that employees wear NIOSH-approved respirators even after the application of engineering and administrative controls.	<b>Filtering facepiece respirators</b> ... None; However, limited training as described in section IV.D.3 is required. <b>Elastomeric respirators</b> ... Medical qualification, fit-testing, training, hair removal
4	≥500.4	≥501	Required use of respirators <sup>3</sup>	Managers must ensure that employees wear NIOSH-approved respirators even after the application of engineering and administrative controls.	<b>All respirator types</b> ... Medical qualification, fit-testing, training, hair removal

**OR OSHA Workplace Advisory Memo 8.18.21**

1 Voluntary use of filtering facepiece respirators under OR OSHA's Temporary Wildfire Smoke Rule does not trigger the voluntary use provisions of OR OSHA's Respiratory Protection Standard CFR 1910.134. Appendix D to the Respiratory Protection Program need not be provided unless elastomeric respirators are used.

2 Required use of filtering facepiece respirators under OR OSHA's Wildfire Smoke Rule for exposures below AQI 500 does not trigger the OR OSHA's Respiratory Protection Standard CFR 1910.134. PCC must however comply with the Wildfire Smoke Respiratory Protection Program, which does not require such elements as medical evaluation, fit-testing, or shaving facial hair. For the 2021 wildfire season, KN-95 respirators previously on the U.S. FDA's Emergency Use Authorization (EUA) can be used to substitute for NIOSH-approved filtering facepieces respirators for exposures to PM2.5 under 500.4 ug/m<sup>3</sup> (AQI 501). A list of such respirators can be found on OR OSHA's website: <https://osha.oregon.gov/Pages/topics/wildfires.aspx>. Additionally, if a KN95 respirator has been distributed by the State of Oregon that is not on the EUA list, OR OSHA will consider it an acceptable substitutes for those respirators on the list.

3 Required use of NIOSH-approved filtering facepiece respirators must be in compliance with OR OSHA's Respiratory Protection Standard 1910.134.