

Respiratory Protection - A How to Demonstration. Emma R. Wilson, Associate Industrial Hygienist and Harvard R Fong CIH, Senior Industrial Hygienist, Industrial Hygiene Services, Worker Health and Safety Branch, Department of Pesticide Regulation, 1001 I Street, Sacramento, CA emma.wilson@cdpr.ca.gov and harvard.fong@cdpr.ca.gov.

Respiratory protection is required on many pesticide labels, but respiratory protection is not simply donning a mask and continuing to work. Both the Department of Industrial Relations (Cal/OSHA) and the Department of Pesticide Regulation (DPR) require very detailed procedures and documentation for a respiratory protection program. There are certain activities, operations, and equipment that we will emphasize in this presentation. We will discuss the elements of a respirator, including cartridges and filters; the operation of air-purifying respirators (APR); the three major types of APR face pieces; the conditions of voluntary respirator use; the types of fit tests (qualitative vs. quantitative); the requirements of both facepiece seal protection and user seal checks; potential IDLH atmosphere conditions; end of service life criteria; and elements of a training program. Though not a respiratory protection training program, this demonstration will touch on the more worker-oriented elements of respiratory protection.