



Antelope Valley Air Quality Management District

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Bret Banks, Executive Director

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Interim Policy – Health Risk Assessment

ADVISORY

The purpose of this advisory is to inform the regulated community of the Antelope Valley Air Quality Management District's (AVAQMD) interim policy regarding the preparation of Health Risk Assessments.

AVAQMD Rules 1401 – *NSR for Toxic Air Contaminants* (amended 08/15/06) and 1402 – *Control of Toxic Air Contaminants from Existing Sources* (amended 11/19/02) currently defines Maximum Individual Cancer Risk as the estimated probability of a potential maximally exposed individual contracting cancer as a result of exposure to carcinogenic air contaminants over a period of 70 years for residential locations and 46 years for worker receptor locations.

This definition is currently in conflict with the *Risk Management Guidance for Stationary Sources of Air Toxics* adopted by the California Air Resources Board (CARB) and the California Air Pollution Control Officers Association (CAPCOA) on July 23, 2015, which was drafted to incorporate the 2015 Office of Environmental Health Hazard Assessment's (OEHHA) health risk assessment methodology. This document decreased the exposure duration currently being used for estimating cancer risk at the maximum exposed individual resident from 70 years to 30 years. Additionally, the off-site worker exposure duration is now 25 years instead of 46 years.

While the AVAQMD plans on amending Rules 1401 and 1402 to adhere to the CARB/CAPCOA's *Risk Management Guidance for Stationary Sources of Air Toxics* and the updated health risk assessment methodology defined by OEHHA in 2015, in the interim any Health Risk Assessment prepared for submittal to the AVAQMD must adhere to the CARB/CAPCOA's and OEHHA's guidance and methodology. These documents can be found at the following links:

- **CARB/CAPCOA's: *Risk Management Guidance for Stationary Sources of Air Toxics*:**
<https://www.arb.ca.gov/toxics/rma/rmqssat.pdf>
- **OEHHA's Air Toxics Hot Spots Program Guidance Manual for Preparation of Health Risk Assessments:**
<https://oehha.ca.gov/air/cnr/notice-adoption-air-toxics-hot-spots-program-guidance-manual-preparation-health-risk-0>

If you have any questions regarding this policy, or need assistance finding the referenced documents, please contact the Engineering/Permitting department at 760-245-1661, or via email at engineering@avaqmd.ca.gov