

**Responses to Major Comments on
Technical Support Document**

**Public Health Goal
For
Lindane
In Drinking Water**

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February 1999

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INTRODUCTION

The following are responses to major comments received by the Office of Environmental Health Hazard Assessment (OEHHA) on the proposed public health goal (PHG) technical support document for lindane as discussed at the PHG workshop held on October 6, 1998, or as revised following the workshop. Some commenters provided comments on both the first and second drafts. For the sake of brevity, we have selected the more important or representative comments for responses. Comments appear in quotation marks where they are directly quoted from the submission; paraphrased comments are in italics. These comments and responses are provided in the spirit of the open dialogue among scientists that is part of the process under Health and Safety Code Section 57003. For further information about the PHG process or to obtain copies of PHG documents, visit the OEHHA web site at www.oehha.org. OEHHA may also be contacted at:

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301 Capitol Mall, Room 205
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RESPONSES TO MAJOR COMMENTS RECEIVED

U.S. EPA Office of Water

Comment 1. The principal studies should be named in the summary section.

Response 1. A sentence has been added to the summary to note the three principal studies upon which the carcinogenic potencies are based.

Comment 2. *Clarify the reference to EPA potency estimates and intercurrent mortality corrections.*

Response 2. A sentence has been added to explain that U.S. EPA did not apply an intercurrent mortality correction to an 18 month mouse study because it considered the mouse lifespan to be only 18 months.

Comment 3. *Clarify the reference to margins of exposure for endocrine effects*

Response 3. The references to margins of exposure (MOE) have been explicitly defined and recalculated. The MOE is defined as the LOAEL for endocrine effects in the Cassidy et al. (1994) study divided by the anticipated daily intake of the respective cyclodiene contaminant at the proposed PHGs assuming 70 kg body weight and 2 L/day water intake.