

**DRAFT**  
**CALIFORNIA ENVIRONMENTAL PROTECTION AGENCY**  
**OFFICE OF ENVIRONMENTAL HEALTH HAZARD ASSESSMENT**

**SAFE DRINKING WATER AND TOXIC ENFORCEMENT ACT OF 1986**  
**(Proposition 65)**

**NOTICE OF ADDITION OF DOCUMENTS AND INFORMATION**  
**TO RULEMAKING FILE**  
**AMENDMENT TO**  
**TITLE 22, CALIFORNIA CODE OF REGULATIONS**  
**SECTION 12705**

**OAL RULEMAKING FILES 04-1110-06S, 05-0318-04SR, 05-0602-03SR**  
**AND 05-0701-01SR**

**JULY 1, 2005**

Pursuant to the requirements of Government Code sections 11346.8(d), 11346.9(a)(1), and 11347.1, the Office of Environmental Health Hazard Assessment (OEHHA) is providing notice that documents and other information which the agency has relied upon in adopting the proposed regulations have been added to the rulemaking file and are available for public inspection and comment.

The documents and information added to the rulemaking file are as follows:

Arfsten DP, Davenport R and Schaeffer DJ. 1994. Reversion of bioluminescent bacteria (Mutatox) to their luminescent state upon exposure to organic compounds, munitions, and metal salts. *Biomed Environ Sci* **7**:144-149.

Agency for Toxic Substances and Disease Registry [ATSDR], 1995. Toxicological Profile for Naphthalene, 1-Methylnaphthalene, and 2-Methylnaphthalene. ATSDR, U.S. Department of Health and Human Services, Public Health Service, Research Triangle Park.

Bagchi D, Bagchi M, Balmoori J, Vuchetich PJ and Stohs SJ. 1998. Induction of oxidative stress and DNA damage by chronic administration of naphthalene to rats. *Res Commun Mol Pathol Pharmacol* **101**:249-257.

Bagchi D, Balmoori J, Bagchi M, Ye X, Williams CB and Stohs SJ. 2000. Role of p53 tumor suppressor gene in the toxicity of TCDD, endrin, naphthalene, and chromium (VI) in liver and brain tissues of mice. *Free Radic Biol Med* **28**:895-903.

Bagchi D, Balmoori J, Bagchi M, Ye X, Williams CB and Stohs SJ. 2002. Comparative effects of TCDD, endrin, naphthalene and chromium (VI) on oxidative stress and tissue damage in the liver and brain tissues of mice. *Toxicology* **175**:73-82.

Boland B, Lin CY, Morin D, Miller L, Plopper C and Buckpitt A. 2004. Site-specific metabolism of naphthalene and 1-nitronaphthalene in dissected airways of rhesus macaques. *J Pharmacol and Exp Therapeutics* **310**[2]:546-554.

Buckpitt A, Boland B, Isbell M, Morin D, Shultz M, Baldwin R, Chan K, Karlsson A, Lin C, Taff A, West J, Fanucchi M, Van Winkle L and Plopper C. 2002. Naphthalene-induced respiratory tract toxicity: metabolic mechanisms of toxicity. *Drug Metab Rev* **34**:791-820.

California Department of Health Services [CDHS]. 1985. Guidelines for Chemical Carcinogen Risk Assessment and Their Scientific Rationale. California Department of Health Services, Health and Welfare Agency, Sacramento, CA.

Delgado-Rodriguez A, Ortiz-Martelo R, Graf U, Villalobos-Pietrini R and Gomez-Arroyo S. 1995. Genotoxic activity of environmentally important polycyclic aromatic hydrocarbons and their nitro derivatives in the wing spot test of *Drosophila melanogaster*. *Mutat Res* **341**: 235-247.

Djomo JE, Ferrier V, Gauthier L, Zoll-Moreux C and Marty J. 1995. Amphibian micronucleus test in vivo: evaluation of the genotoxicity of some major polycyclic aromatic hydrocarbons found in a crude oil . *Mutagenesis* **10**:223-226.

Flowers-Geary L, Bleczinski W, Harvey RG and Penning TM. 1996. Cytotoxicity and mutagenicity of polycyclic aromatic hydrocarbon ortho-quinones produced by dihydrodiol dehydrogenase. *Chem Biol Interact* **99**:55-72.

Gollahon LS, Iyer P, Martin JE and Irvin TR. 1990. Chromosomal damage to preimplantation embryos in vitro by naphthalene. *Abstract. Toxicologist* **10**:274.

Hakura A, Tsutsui Y, Mochida H, Sugihara Y, Mikami T, Sagami F. 1996. Mutagenicity of dihydroxybenzenes and dihydroxynaphthalenes for Ames Salmonella tester strains. *Mutat Res* **371**[3-4]:293-299.

International Agency for Research on Cancer [IARC]. 2002. IARC Monographs on the Evaluation of Carcinogenic Risks to Humans. Volume 82, pp. 367-435. Some Traditional Herbal Medicines, Some Mycotoxins, Naphthalene and Styrene. IARC, Lyon, France.

Kawachi T, Yahagi T, Kada T, Tazima Y, Ishidate M, Sasaki M, Sugiyama T. 1980. Cooperative programme on short-term assays for carcinogenicity in Japan. *IARC Sci Publ* **27**:323-330.

National Toxicology Program [NTP]. 2004. Report on Carcinogens, Eleventh Edition. Carcinogen Profiles. U.S. Department of Health and Human Services, Public Health Service. National Institute of Environmental Health Sciences, Research Triangle Park, NC.

O'Brien P. 1991. Molecular mechanisms of quinone cytotoxicity. *Chem-Biol Interact* **80**:1-41.

Sasaki JC, Arey J, Eastmond DA, Parks KK, Grosovsky AJ. 1997. Genotoxicity induced in human lymphoblasts by atmospheric reaction products of naphthalene and phenanthrene. *Mutat Res* **393**:23-35.

Suter W and Jaeger I. 1982. Comparative evaluation of different pairs of DNA repair-deficient and DNA repair-proficient bacterial tester strains for rapid detection of chemical mutagens and carcinogens. *Mutat Res* **97**[1]:1-18.

Tanooka, H. 1977. Development and applications of *Bacillus subtilis* test systems for mutagens, involving DNA-repair deficiency and suppressible auxotrophic mutations. *Mutat Res* **42**[1]:19-31.

U.S. EPA, 2005. Guidelines for Carcinogen Risk Assessment. EPA/630/P-03/001F. Risk Assessment Forum, U.S. EPA, Washington DC.

Wilson AS, Davis CD, Williams DP, Buckpitt AR, Pirmohamed M and Park BK. 1996. Characterisation of the toxic metabolite(s) of naphthalene. *Toxicology* **114**:233-242.

Yu D, Berlin J, Penning TM, Field J. 2002. Reactive oxygen species generated by PAH o-quinones cause change-in-function mutations in p53. *Chem Res Toxicol* **15**:832-842.

These documents are available for public inspection at the OEHHA's office located at 1001 "I" Street, 19<sup>th</sup> Floor, Sacramento, California, from July 1, 2005 through July 18, 2005 between the business hours of 8:00 a.m. and 5:00 p.m. If you have any comments regarding the documents and other information, OEHHA will accept written comments between July 1, 2005 and July 18, 2005. All written comments must be submitted to OEHHA by mail, fax, courier or hand-delivery, no later than 5:00 p.m. on **July 18, 2005**, and addressed to:

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Comments may also be transmitted via email addressed to: [sluong@oehha.ca.gov](mailto:sluong@oehha.ca.gov). It is requested but not required that written statements or arguments be submitted in triplicate. All written comments received by July 18, 2005, which pertain to the above-listed documents and other information will be reviewed and responded to by OEHHA's staff as part of the compilation of the rulemaking file. Inquiries concerning the action described in this notice may be directed to Susan Luong, in writing, at the address given above, or by telephone at (916) 445-6900.