

ENCLOSURE 4

Air Resources Board

September 1997

Summary of Proposed Changes to the List AB 1807 Toxic Air Contaminant List

We are updating the June 1996, Assembly Bill (AB) 1807 Toxic Air Contaminant (TAC) Identification List, and reorganizing the categories to reflect the latest prioritization efforts and status of the substances in terms of health value development. Two programs exist for the development of health values - AB 1807 TAC Identification and Senate Bill (SB) 1731 Risk Assessment Guidelines. Under SB 1731, the Office of Environmental Health Hazard Assessment (OEHHA) is assembling and developing health numbers for the AB 2588 Air Toxics "Hot Spots" Program. This is a risk assessment process in which OEHHA develops health numbers, or evaluates health assessments developed by other state and federal programs or by an authoritative body.

Goals of the List Update

We believe it is appropriate to reorganize the list this year to 1) better reflect what we know about the emissions in California of the 189 federal Hazardous Air Pollutants (HAPs) identified as TACs in 1993; 2) to note which TACs have health values under development as part of the SB 1731 Risk Assessment Guidelines; and 3) to reflect the substances nominated for review as a result of our prioritization work.

Proposed Changes to TAC Identification List

New categories are being proposed for the AB 1807 TAC Identification List. We believe these new categories will better define the information that is available for the substances on the TAC Identification list and show where a substance is in the TAC Identification process.

Reorganization: The proposed list has six categories (Enclosure 3). These categories group together:

- 1) Those substances that have been identified as TACs through the AB 1807 process (Category I);
- 2) Those substances which are under review for health values under SB 1731 or AB 1807, or have health values that exist under other California Environmental Protection Agency (Cal/EPA) programs (Category IIa, IVa);
- 3) Those substances which are nominated for review for development of health values (Category IIb, IVb);

- 4) Those substances without health values (Category III); and
- 5) Those substances identified as TACs pursuant to AB 2728 but have no known California emissions (Category VI).

Substances to be removed: Category III of the June 1996 list, contained a group of substances to be reviewed at a later date. Our evaluation showed that five of these substances have no known emissions in California based on information from the AB 2588 Air Toxics “Hot Spots” program and the California Toxic Release Inventory. We are planning to remove these five substances from the TAC Identification List. We would appreciate any information you may have on the emissions of these substances in California. These five substances are:

Ammonium sulfate	Peracetic acid
Benzoyl chloride	Terephthalic acid
Dicofol	

We are also planning on removing environmental tobacco smoke (ETS). ETS was nominated for review on the June 1996 TAC list. The OEHHA has recently completed a risk assessment on ETS which was approved by the SRP on June 19, 1997.

Substances to be added: Our prioritization process included chemicals listed on the AB 2588 Air Toxics “Hot Spots” Act’s list of substances for which emissions must be quantified and some mobile source emission inventories. We are proposing to add seven chemicals from these lists to Category V (Substances which have not been identified, and are being evaluated for entry into Category IV) for future evaluation. These substances are:

2-Aminoanthraquinone	1,2-Dichlorobenzene
Benzidine-based dyes	Ethylene
Chloropicrin	Michler's ketone
	Potassium bromate

Substances Nominated for Review

Fourteen substances are nominated for the development of health values. These are listed in Category IIb (Substances nominated for review for the development of health values) and IVb (Substances nominated for review). Nine of the fourteen substances are listed in both Categories IIa and IIb. In these cases, either 1) OEHHA is not proposing a full set of health values under SB 1731 Risk Assessment Guidelines (ie. cancer potency, chronic noncancer, acute noncancer) but a full set may be needed, or 2) a health value has been developed for use in another Cal/EPA program. We would appreciate your recommendation on whether these substances warrant review under the AB 1807 TAC Identification Program. Enclosure 5 contains excerpts from the *Toxic Air Contaminant Identification List Summaries* report that will give a brief overview of the 14 substances listed in categories IIb and IVb.

Caprolactam

On June 18, 1996, the United States Environmental Protection Agency (U.S. EPA) amended the list of HAPs in Clean Air Act Section 112(b)(1) by removing the compound caprolactam. Their decision was based on a determination that “there are adequate data on the health and environmental effects of caprolactam to determine that emissions, ambient concentrations, bioaccumulation, or deposition of caprolactam may not be reasonably be anticipated to cause any adverse effects to human health or environmental effects (Federal Register, vol. 61, no. 118, 30816).” On December 30, 1996, the ARB received a request from the BASF Corporation to remove caprolactam from the AB 1807 TAC Identification List based on U.S. EPA’s removal of the compound. The ARB is reviewing this request. Since caprolactam was a HAP identified in 1993 as a TAC under AB 2728, a regulatory action would be required to remove it from the list. We would appreciate any information you have on California emissions and health effects of caprolactam.

ARB/SSD/SES
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