

MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY

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INTEROFFICE COMMUNICATION

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November 10, 1998

TO: File for estradiol (CAS #50-28-2)

FROM: Cathy Simon, Supervisor, Toxics Unit, Air Quality Division

SUBJECT: Change in the Initial Threshold Screening Level (ITSL)

The ITSL for estradiol has been changed from 0.04 ug/m<sup>3</sup> to 0.1 ug/m<sup>3</sup> based on an annual averaging time.

The change in the ITSL was made due to a revision in the State's air toxic rules which became effective on November 10, 1998. Previously, the ITSL had been set pursuant to Rule 232(i). This rule sets the ITSL at a default value of 0.04 ug/m<sup>3</sup> (annual average) when no specific data are available to determine an ITSL. The November 10, 1998 revisions to the rules changed this default ITSL to a value of 0.1 ug/m<sup>3</sup>.

No updated review of the literature has been done since the ITSL was originally set at a value of 0.04 ug/m<sup>3</sup>, to determine if new data are available for this compound.

CAS:SLB

MICHIGAN DEPARTMENT OF NATURAL RESOURCES

INTEROFFICE COMMUNICATION

March 28, 1994

TO: File for Estradiol (CAS No. 50-28-2)

FROM: Marco Bianchi

SUBJECT: Initial Threshold Screening Level

The initial threshold screening level (ITSL) for estradiol is  $0.04 \mu\text{g}/\text{m}^3$  based on an annual averaging time.

The following references or databases were searched to identify data to determine the ITSL: IRIS, HEAST, NTP Management Status Report, RTECS, EPB-CCD, EPB library, CAS-online, NLM-online, IARC, NIOSH Pocket Guide, and ACGIH Guide.

A review of databases resources provided nonessential information about estradiol, and data obtained through CAS- and NLM-online was insufficient to derive an ITSL. A request to the Upjohn Company also provided no information about this chemical to derive an ITSL. Therefore, the ITSL is set at trace.

ITSL for estradiol =  $0.04 \mu\text{g}/\text{m}^3$  based on annual averaging.

MB:ma