

From: Timothy Johnson
To: Internet:Rkrich@nefnm.com
Date: 7/19/04 2:44PM
Subject: Fwd: use of AEGLs by NRC

Attached for your consideration is some input I received from one of the members of the NAS committee preparing Acute Exposure Guidelines.

From: "John Morawetz" <JMorawetz@ICWUC.org>
To: <TCJ@nrc.gov>
Date: 7/19/04 12:01PM
Subject: use of AEGLs by NRC

Timothy:

Thanks for your call. Here's the web site with the AEGL committee's SOP and the language that states that our values should not be used for extrapolating to higher values for less than 10 minutes periods.

Please feel free to call me if you have any other questions.

Additionally, extrapolation of 4-h or 8-h exposure data to a 10-min AEGL value also requires more supporting data than extrapolation of 8-h exposure data to a 1-h or 30-min AEGL. As a result of the potential uncertainties in dose-response relationships associated with exposure durations of less than 10-min (a transition period in breathing rate, physiologic responses, scrubbing efficiency/saturation, chemical-specific issues, and other factors) and in the absence of definitive supporting data, extrapolations using 4-h and 8-h empirical data generally are not extended to 10-min AEGL values but are assigned the same value as the 30-min AEGL. Finally, because of the uncertainties for very short exposure durations, no AEGL values for exposure periods of less than 10-min are currently recommended.

<http://books.nap.edu/books/030907553X/html/95.html>

John

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