

**Michigan Department of Environmental Quality
Air Quality Division
Air Toxics Screening Level Justifications Open for Public Comment**

The Michigan Department of Environmental Quality (MDEQ) Air Quality Division (AQD) develops air toxics screening levels which are health-based ambient air concentrations that provide public health protection. These screening levels are developed according to Part 55, Air Pollution Control, of the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended. These screening levels are used in the implementation of Michigan's air permitting rules that apply to new or modified sources that emit a toxic air contaminant and are required to obtain a Permit to Install. Under these rules, the emission of a toxic air contaminant cannot result in a maximum ambient air concentration that exceeds an applicable health-based screening level.

Historically, AQD toxicologists developed screening levels and [posted them on the AQD webpage](#), whereas the "justification" memos describing the bases for the screening levels were only available upon request. While the public has always had the ability to comment to the AQD informally about the screening levels and how they were derived. Under rule revisions that went into effect on December 20, 2016, the AQD has formalized the comment process. From this point forward, the AQD will provide a 30-day formal public comment period on all health-based screening levels and their justifications.

The Department of Environmental Quality is seeking comment on the following screening levels:

The comment period for the following listed chemicals starts August 14, 2017 and ends September 14, 2017. The list of screening levels and justification documents undergoing comment is listed below. Please click on the CAS# to view the justification.

CAS#	Chemical Name	Screening Level*	Averaging Time
75-08-1	Ethyl mercaptan	ITSL = 13 $\mu\text{g}/\text{m}^3$	1-hour
96-47-9	2-Methyltetrahydrofuran	ITSL = 420 $\mu\text{g}/\text{m}^3$	annual
1310-73-2	Sodium hydroxide	ITSL = 8 $\mu\text{g}/\text{m}^3$	1-hour
29823-21-0	Ethyl-8-bromooctanoate	ITSL = 0.1 $\mu\text{g}/\text{m}^3$	annual

*micrograms per cubic meter ($\mu\text{g}/\text{m}^3$)

To submit a comment for a particular chemical, send an e-mail to DEQ-AQD-AirToxicsPublicComments@michigan.gov and with the subject line "Air Toxic Screening Level Justification for" and include the CAS# or chemical name. Please make sure to include your contact information at the end of your comment so staff may reach you if any clarification is needed.

Within 60 days of the close of the public comment period, the AQD will respond to all substantive comments received. The AQD will also post on this website the paraphrased comments for each toxic air contaminant and the AQD responses, including any changes to the screening levels resulting from addressing comments.

As directed by the rules, all screening levels are in effect immediately once established by the AQD, notwithstanding the formal public comment process. This is to provide clarity to permit applicants and ensure that permitting will be timely.

The comment period has closed and the Department of Environmental Quality is responding to comments received on the following chemicals:

A 60-day formal public comment period was held from **February 14 to April 14, 2017**, for the initial list of over 1200 screening levels and justification documents. Substantive comments were received for 26 chemicals. Responses to those comments will be completed by **October 11, 2017**, and will be sent directly to commenters and will also be [posted on the webpage](#) for all screening levels and justifications. Substantive comments were received for:

CAS #	Chemical Name	Results of Review
74-93-1	Methyl mercaptan	No change in ITSL
75-21-8	Ethylene oxide	No change in IRSL or SRSL
75-56-9	Propylene oxide	In progress
98-00-0	Furfuryl alcohol	In progress
106-99-0	1,3-Butadiene	In progress
107-21-1	Ethylene glycol	In progress
107-98-2	Propylene glycol monomethyl ether	In progress
108-10-1	Methyl isobutyl ketone	In progress
108-65-6	Propylene glycol monomethyl ether acetate	In progress
109-99-9	Tetrahydrofuran	In progress
111-46-6	Diethylene glycol	In progress
115-07-1	Propylene	In progress
115-11-7	Isobutene	In progress
118-74-1	Hexachlorobenzene	In progress
540-88-5	Tertiary butyl acetate	In progress
584-84-9	2,4-Toluene isocyanate	No change in IRSL or SRSL
637-92-3	Ethyl tertiary butyl ether	The ITSL was increased from 373 $\mu\text{g}/\text{m}^3$ (annual average) to 9,000 $\mu\text{g}/\text{m}^3$ (annual average)
872-50-4	N-Methylpyrrolidone	In progress
7440-02-0	Nickel	The IRSL was increased from 0.0042 $\mu\text{g}/\text{m}^3$ (annual average) to 0.0058 $\mu\text{g}/\text{m}^3$ (annual average). The SRSL was increased from 0.042 $\mu\text{g}/\text{m}^3$ (annual average) to 0.058 $\mu\text{g}/\text{m}^3$ (annual average)
12035-72-2	Nickel subsulfide	No change to IRSL or SRSL
25265-71-8	Dipropylene glycol	In progress
25498-49-1	Tripropylene glycol monomethyl ether	In progress
29911-27-1	Dipropylene glycol monopropyl ether	In progress
29911-28-2	Dipropylene glycol monobutyl ether	In progress
55934-93-5	Tripropylene glycol monobutyl ether	In progress
57018-52-7	Propylene glycol tert-butyl ether	In progress