

## Air Toxics Ambient Air Standard 2007 Review \*

The following chart documents the Federal resources used to justify proposed changes to the Toxic Air Pollutant Ambient Air Standards.

Toxic Air Pollutant Name	Standard (8-hour/annual)	Rationale
acetaldehyde	annual	based on revised EPA IRIS reference concentration
acrylamide	8-hour	based on 1/42 of revised OSHA PEL
acrylonitrile	8-hour	based on 1/33.6 of revised NIOSH REL
ammonia	8-hour	based on 1/42 of ACGIH TLV
arsenic & arsenic compounds	8-hour	based on 1/42 of ACGIH TLV
benzene	annual	based on revised EPA IRIS Unit Risk Factor
benzene	8-hour	based on 1/42 of OSHA PEL
beryllium & beryllium compounds	8-hour	based on 1/42 of ACGIH TLV
1,3-butadiene	annual	based on revised EPA IRIS reference concentration
1,3-butadiene	8-hour	based on 1/42 of ACGIH TLV
n-butyl alcohol	8-hour	based on 1/42 of ACGIH TLV
cadmium & cadmium compounds	8-hour	based on 1/42 of OSHA PEL
chloromethane	annual	based on revised EPA IRIS reference concentration
chromium VI & chromium VI compounds	8-hour	based on 1/42 of OSHA PEL
cresol	8-hour	based on 1/33.6 of NIOSH REL
1,2-dibromoethane	annual	based on EPA IRIS Unit Risk Factor
1,2-dibromoethane	8-hour	based on 1/42 of OSHA PEL
1,4-dioxane	8-hour	based on 1/33.6 of new NIOSH REL
epichlorohydrine	annual	based on EPA IRIS reference concentration
epichlorohydrine	8-hour	based on 1/42 of OSHA PEL
ethylene oxide	8-hour	based on 1/42 of ACGIH TLV
formaldehyde	8-hour	based on 1/42 of OSHA PEL
hydrogen chloride	8-hour	based on 1/42 of revised ACGIH TLV
hydrogen fluoride	8-hour	based on 1/42 of revised ACGIH TLV
hydrogen cyanide	8-hour	based on 1/42 of ACGIH TLV
maleic anhydride	8-hour	based on 1/42 of revised ACGIH TLV
mercury & mercury compounds	8-hour	based on 1/42 of revised ACGIH TLV
methyl methacrylate	8-hour	based on 1/42 of revised ACGIH TLV
nickel & nickel compounds	8-hour	based on 1/42 of OSHA PEL
nickel refinery dust	8-hour	based on 1/42 of ACGIH TLV
propionaldehyde	8-hour	based on 1/42 of new ACGIH TLV
propylene oxide	8-hour	based on 1/42 of OSHA PEL
pyridine	8-hour	based on 1/42 of revised ACGIH TLV
sulfuric acid	8-hour	based on 1/42 of revised ACGIH TLV
vinyl acetate	8-hour	based on 1/33.6 of NIOSH REL
vinyl chloride	annual	based on new EPA IRIS Unit Risk Factor
vinyl chloride	8-hour	based on 1/42 of ACGIH TLV
vinylidene chloride	annual	based on new EPA IRIS reference concentration

\* Sources of exposure data include the Environmental Protection Agency (EPA) Integrated Risk Information System (IRIS); the American Conference of Governmental Industrial Hygienists (ACGIH) Threshold Limit Value (TLV); the Occupational Health and Safety Administration (OSHA) Permissible Exposure Limit (PEL); and the National Institute for Occupational Safety and Health (NIOSH) Recommended Exposure Limit (REL).