

PLAINTIFF'S EXHIBIT

ETCO-847

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1957

NO. 3

OCCUPATIONAL HEALTH REGULATIONS
MAXIMUM PERMISSIBLE CONCENTRATIONS
OF ATMOSPHERIC CONTAMINANTS IN PLACES OF EMPLOYMENT

Effective December 1, 1957

(Supersedes American Conference of Governmental
Industrial Hygienists Threshold Limit Values for 1956-
April 1957)

CONSULT LOCAL HEALTH DEPARTMENTS AND PHYSICIANS

FOR

INFORMATION AND ADVICE

ON METHODS OF CONTROL OVER

HEALTH HAZARDS TO ALL WORKERS

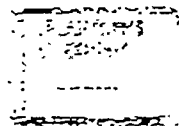
AND

INDUSTRIAL DISEASES AND INJURIES



TEXAS STATE DEPARTMENT OF HEALTH
DIVISION OF OCCUPATIONAL HEALTH
Austin, Texas

CH-12-1
September 1957



Cope
EXHIBIT NO. 1
2/14/97

THESE STANDARDS WERE ADOPTED BY THE TEXAS STATE BOARD OF HEALTH
ON SEPTEMBER 9, 1957 IN ACCORDANCE WITH THE AUTHORITY GRANTED IN
ARTICLE 6415D OF THE REVISED CIVIL STATUTES, STATE OF TEXAS,
AND ARE PROMULGATED ALSO IN ACCORDANCE WITH ARTICLE 6477,

SECTION 19

3. TOXIC DUSTS, FUMES AND MISTS (Cont.)

	<u>M.S.</u> <u>D. M.</u>
Pyrethrum	5
Rotenone	5
Selenium compounds (as Se)	0.1
Sodium hydroxide	5
Sodium fluoroacetate (1080)	0.1
Strychnine	0.15
Sulfuric acid	5
TEPP (Tetraethyl dithiopyrophosphate)	0.2
TEPP (Tetraethyl pyrophosphate)	0.05
Tellurium	0.1
Tetryl (2,4,6-trinitrophenylmethylamine)	1.5
Thiram (tetramethyl thioron disulfide)	5
Thallium (soluble compounds)	0.1
Titanium dioxide	15
Trichloronaphthalene	5
Trinitrotoluene	1.5
Uranium (soluble compounds)	0.05
(insoluble compounds)	0.25
Vanadium	
(V ₂ O ₅ dust)	0.5
(V ₂ O ₅ fume)	0.1
Warfarin (3-(α -acetoxybenzyl)-4-hydroxycoumarin)	0.5
(c) Yttrium and inorganic compounds	5
Zinc oxide fumes	15
Zirconium compounds (as Zr)	5

4. MINERAL DUSTS

	<u>M.P.P.C.F. ^{ww}</u>
Aluminum oxide	50
Asbestos	5
Dust (nuisance, no free silica)	50
Mica (below 5% free silica)	15
Portland cement	50
Talc	15
Silica	
High (above 50% free SiO ₂)	5
Medium (5 to 50% free SiO ₂)	15
Low (below 5% free SiO ₂)	50
Silicon carbide	50
Soapstone (below 5% free SiO ₂)	15

^{mm} Milligrams of dust, fume, or mist per cubic meter of air.

(c) Toxicological information or injury reports on these items is of recent origin and most probably will require revision at an early date.

^{ww} Millions of particles per cubic foot of air.

MAXIMUM PERMISSIBLE CONCENTRATIONS
OF ATMOSPHERIC CONTAMINANTS IN PLACES OF EMPLOYMENT

I. Scope; Purpose; Availability of Pertinent References

Scope: This regulation applies to all places of employment in Texas. It does not cover maximum permissible dose of radiation or the minimum environmental sanitation requirements, nor include measures required for control of community external air pollution or air pollution nuisances.

Purpose: The purpose of this regulation is to prescribe to employers the maximum average atmospheric concentration of contaminants to which they are permitted to expose employees during an eight-hour working day in their places of employment, including industrial establishments.

Pertinent References: Copies of related laws, regulations, opinions of the Attorney General of Texas, and Advisory Standards currently applicable will be provided to any citizen of Texas upon request.

II. Applicability of Values Listed Herein

Individual people react differently after excessive exposures to atmospheric concentrations of contaminants in places of employment. Listed herein are weighted average concentrations generally safe in places of employment during an eight-hour working exposure. These are not maximum values which cannot be exceeded momentarily depending upon, but not limited to, such factors as nature of contaminant; frequency of occurrence of high concentration; variable durations of exposure; probability of acute poisoning from high concentration for even short periods; cumulative effects. Employers shall consider these factors prior to exceeding values listed herein.

III. Revision

Values listed herein are based upon information obtained from recent experience, experimental study reports, or a combination of the two. Regular review will result in revision as justified. The State Board of Health solicits and will consider pertinent data based upon facts and experiences received from individuals, industries, governmental agencies, or others.

IV. Definitions

1. Industrial Establishment is defined to mean an institution, a place, building or location related to manufactures or to the product of industry or labor.
2. Places of Employment is defined to mean any place where two or more persons are directly or indirectly employed by another for direct or indirect gain or profit.