

THE COMMONWEALTH OF MASSACHUSETTS

**DEPARTMENT OF PUBLIC HEALTH
DIVISION OF ENVIRONMENTAL HEALTH
BUREAU OF AIR QUALITY CONTROL**

**REGULATIONS FOR PREVENTION AND/OR ABATEMENT OF AIR POLLUTION
EPISODE AND AIR POLLUTION INCIDENT EMERGENCIES**

REGULATION 1. INTRODUCTION

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The purpose of the “Regulations for Prevention And/or Abatement of Air Pollution Episode and Air Pollution Incident Emergencies” is to prevent ambient air contaminant concentrations at any location in the Commonwealth from reaching levels which would constitute imminent and substantial endangerment to the health of persons. The levels which would constitute imminent and substantial endangerment to the health of persons as have been defined by the Administrator of the Environmental Protection Agency are set forth in the table below:

CONTAMINANT CONCENTRATION LEVELS

Prescribed by the EPA Administrator as would cause Imminent
and Substantial Endangerment to Health

Contaminant	Ambient Air Contaminant Concentration Levels				
	Ave. ug/m ³	ppm	COHs	Duration	Product
Sulfur Dioxide (SO ₂)	2,620	1.0		24-hr.	
Particulate Matter					
Hi-Vol (TSP)	1,000			24-hr.	
Tape Stain (COHs)			8	24-hr.	
Product of:					
(SO ₂) x (TSP) or	(SO ₂) (TSP)				490,000
(SO ₂) x (COHs)		(SO ₂)	(COHs)	24-hr.	1.5
Carbon Monoxide	144,000	125		1-hr.	

Carbon Monoxide	86,300	75		4-hr.	
Carbon Monoxide	57,500	50		8-hr.	
Photochemical Oxidant	1,200	0.6*		1-hr.	
Nitrogen Dioxide	3,750	2.0		1-hr.	
Nitrogen Dioxide	938	0.5		24-hr.	

* expressed as Ozone (O₃)