



R. J. Sommerville
Air Pollution Control Officer

**NOTICE OF WORKSHOP
FOR DISCUSSION OF PROPOSED AMENDMENTS
TO REGULATION VIII - SAN DIEGO AIR POLLUTION
EMERGENCY PLAN**

The San Diego County Air Pollution Control District will hold a public meeting to consider proposed amendments to Regulation VIII - San Diego Air Pollution Emergency Plan - Rules 127, 128, and 130. Comments regarding the proposed amendments may be submitted in writing before, or made at the workshop, which is scheduled as follows:

DATE: August 12, 1991
TIME: 1:00 p.m.
PLACE: Public Works Director's Room
County Operations Center
Building #2, Room 156
5555 Overland Avenue
San Diego, CA 92123

In general, the proposed changes are necessary to make the San Diego Air Pollution Emergency Plan conform with recent revisions to the California Air Pollution Emergency Plan. The primary feature of these changes is the establishment of a new Health Advisory Episode which will be declared when ozone levels in ambient air reach fifteen parts per hundred million (twenty-five per cent below the current Stage 1 Episode air quality level). It is expected this level will be reached twenty to twenty-five times per year. When this occurs, individuals sensitive to elevated ozone levels will be notified through the media to take precautions to avoid exposure. Schools will also be notified that student participation in vigorous outdoor activities should be curtailed.

The amendments also establish a new Health Advisory Episode for carbon monoxide. However, this level is not expected to occur in San Diego County. Actions which will be taken by the District when Health Advisory Episode air quality levels are reached have been specified. The term "oxidant" has been replaced with the more accurate term "ozone".

If you would like a copy of the proposed amendments to Regulation VIII, please call Juanita Ogata at (619) 694-3307. If you have any questions concerning the proposal, please call Judith Lake at (619) 694-3351 or me at (619) 694-3303.

Richard J. Smith

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Proposed amendments to Rules 127, 128 and 130 of Regulation VIII are to read as follows:

REGULATION VIII. SAN DIEGO AIR POLLUTION EMERGENCY PLAN

1. Rule 127 is amended to read as follows:

RULE 127. EPISODE CRITERIA LEVELS

The concentrations of air pollutants at which the various episode stages are declared are given in the table below:

Pollutant	Averaging Time	Health Advisory	Stage 1*	Stage 2*	Stage 3*
Oxidant as Ozone	1 hr.	<u>0.15 ppm</u>	0.20 ppm (399 $\mu\text{g}/\text{m}^3$) or more	0.35 ppm (698 $\mu\text{g}/\text{m}^3$) or more	0.50 ppm (998 $\mu\text{g}/\text{m}^3$) or more
Carbon Monoxide	1 hr.	<u>40 ppm</u> (47 mg/m^3) or more	40 ppm (47 mg/m^3) or more	75 ppm (87 mg/m^3) or more	100 ppm (116 mg/m^3) or more for one hour & predicted to persist for at least one additional hour
Carbon Monoxide	4 hrs.	<u>25 ppm</u> (29 mg/m^3) or more	25 ppm (29 mg/m^3) or more	45 ppm (50 mg/m^3) or more	60 ppm (70 mg/m^3) or more
Carbon Monoxide	8 hrs.	<u>15 ppm</u> (17 mg/m^3) or more	15 ppm (17 mg/m^3) or more	30 ppm (35 mg/m^3) or more	40 ppm (47 mg/m^3) or more
Particulate Matter	24 hrs.		375 $\mu\text{g}/\text{m}^3$ or more	625 $\mu\text{g}/\text{m}^3$ or more	875 $\mu\text{g}/\text{m}^3$ or more

* ppm means parts of pollutant per million parts of air, by volume.

$\mu\text{g}/\text{m}^3$ means micrograms of pollutant per cubic meter of air at standard conditions.

mg/m^3 means milligrams of pollutant per cubic meter of air at standard conditions.

2. Rule 128 is amended to read as follows:

RULE 128. EPISODE DECLARATION

Listed below, in order of increasing severity, are episode stages, ~~in which various actions are specified. Specific actions for each episode stage are contained in Rule 130.~~

~~(a) **HEALTH ADVISORY.** A Health Advisory shall be declared by the Air Pollution Control Officer when the concentration of pollutants specified in Rule 127 for this episode level is predicted or reached. Sensitive persons in receptor areas, including those with respiratory or coronary artery disease and the chronically ill, will be notified through the media to take precautions against exposure. Schools will be notified to curtail student participation in strenuous activities.~~

~~(a)(b) **STAGE 1.** A Stage 1 Episode shall be declared by the Air Pollution Control Officer when the concentration of pollutants specified in Rule 127 of this stage is predicted or reached. Persons with respiratory or coronary artery disease, the chronically ill, the exercising young, and healthy adults who feel effects will be notified through the media to take precautions against exposure. Schools will be notified to curtail student participation in strenuous activities. In addition to notifications, Stage 1 administrative and abatement actions shall be undertaken.~~

~~(b)(c) **STAGE 2.** A Stage 2 Episode Advisory shall be declared by the Air Pollution Control Officer when the concentration of pollutants specified in Rule 127 for this stage is predicted or reached. Stage 2 administrative and abatement actions shall be undertaken; however, abatement actions needed will vary depending on the duration of the episode, the maximum concentrations expected and the location of pollutant emission source areas.~~

~~(e)(d) **STAGE 3.** A Stage 3 Episode shall be declared when the conditions specified in Rule 127 for this stage are predicted or reached. Extensive actions shall be taken to prevent exposure of people to pollutant concentrations of the levels indicated for this stage. Stage 3 administrative and abatement actions shall be undertaken. If further action is necessary, the Chairperson of the Air Pollution Control Board or his designee may, in accordance with guidelines determined by the Emergency Action Committee and after consulting with and receiving approval from the Emergency Action Committee, Office of Emergency Services and the California Air Resources Board, request the Governor to take action in accordance with the California Emergency Services Act.~~

~~(d)(e) **AIR POLLUTION DISASTER (State of Emergency)**~~

~~When it is determined by medical authorities or local officials that a substantial number of persons are suffering or are likely to suffer incapacitating effects from air pollution, regardless of measured pollutant concentrations, and analysis of meteorological and air quality data by the Air Pollution Control District or the California Air Resources Board indicates that the condition is likely to continue or recur, the Chairperson of the Air Resources Board shall confer with the Director of the California Office of Emergency Services, and they shall jointly recommend to the Governor that an air pollution disaster (State of Emergency) be declared.~~

3. Rule 130, Section (a) is amended to read as follows:

RULE 130. EPISODE ACTIONS

When an episode is predicted or reached, the Air Pollution Control Officer shall identify receptor areas which will experience episode levels and emission source areas which will cause or contribute to the episode levels in the receptor areas. On declaration of an episode, the Air Pollution Control Officer shall notify receptor areas of the magnitude and duration of the episode and shall require initiation of abatement actions in applicable areas as outlined below.

- (a) **OZONE OXIDANT EPISODES.** The following actions shall be taken by the Air Pollution Control Officer when an episode is reached or predicted, appropriate to the episode.

(1) HEALTH ADVISORY

(i) Issue health warnings in accordance with the California Air Pollution Emergency Plan to sensitive persons in receptor areas. This will be done through the County radio communications system, electronic news media, the District's Public Information Office, and through other means as appropriate.

(ii) Advise schools in receptor areas that sustained rigorous outdoor exercise for more than one hour by students must be discontinued during the episode.

(iii) Notify officials, news media, and organizations listed in Appendix A.

(+)(2) STAGE 1.

(i) ~~Issue health warnings in accordance with the California Air Pollution Emergency Plan to sensitive persons in receptor areas. This will be done through the County radio communications system, electronic news media, the District's APPRISE telephone system, and through other means as appropriate.~~

(ii) ~~Advise schools in receptor areas that strenuous outdoor activities by students must be discontinued during the episode.~~

(iii) (i) Notify officials, new media, and organizations listed in Appendix A.

News media notification will include a request for voluntary motor vehicle traffic curtailment by the public in emission source areas until the episode terminates.

(vi) (ii) When an episode is predicted more than eight hours in advance or is reached and predicted to last more than eight hours:

(A) Ask participants in the traffic abatement plan in emission source areas to implement Stage 1 abatement plan provisions.

(B) Ask stationary sources in emission source areas to implement Stage 1 curtailment plan provisions.

~~(vi)~~ (iii) Request the public to avoid emission source and receptor areas.

~~(vi)~~ (iv) Monitor and evaluate meteorological and air quality data until the episode is terminated.

(2) (3) **STAGE 2.** The following actions shall be taken by the Air Pollution Control Officer in addition to those taken in Stage 1:

(i) Issue a health warning, in accordance with the California Air Pollution Emergency Plan to sensitive persons and those displaying reaction symptoms in receptor areas. This will be done through the County radio communications system, electronic news media, the District's APPRISE telephone system, and through other means as appropriate.

(ii) Suspend programs in receptor areas which involve outdoor physical exertion by participants using public parks or recreational facilities during the episode. Such programs which are for adult participants in scheduled athletic events with paid attendance are excepted.

(iii) Inform the State Air Resources Board at each third increment (0.05 ppm) between Stages 2 and 3.

(iv) When an episode is predicted more than eight hours in advance or reached and predicted to last more than four hours:

(A) Instruct participants in the traffic abatement plan in emission source areas to implement Stage 2 abatement plan provisions, except operations necessary for the health and welfare of the public.

(B) Instruct participants in the stationary source curtailment plan in emission source areas to initiate Stage 2 curtailment plan provisions, except for operations necessary for the health and welfare of the public.

(C) Prohibit the burning of combustible refuse in the emission source and receptor areas until the episode is terminated.

(D) Prohibit in emission source areas the loading and ballasting resulting in hydrocarbon emissions of ships and barges containing as cargo petroleum products with a Reid vapor pressure greater than 1.5 until the episode is terminated.

(v) Inspect as many stationary sources as possible, pursuant to Rule 134.

(3) (4) **STAGE 3.** The following actions shall be taken in addition to those taken in Stages 1 and 2:

(i) Issue warnings to describe protective measures to be taken in accordance with the California Air Pollution Emergency Plan.

(ii) Implement APCD source inspection plans, pursuant to Rule 134.

(iii) When an episode is predicted more than eight hours in advance, or reached and predicted to last more than four hours:

(A) Instruct participants in the traffic abatement plan in emission source areas to implement Stage 3 abatement plan provisions except for operations required for emergency reasons.

(B) Instruct participants in the stationary source curtailment plan in source emission areas to implement such plans except for operations required for emergency reasons.

(C) Prohibit in emission source areas commercial and industrial spray painting, and other activities such as tar roofing, asphalt mixing and pouring and surface coating involving use of substantial quantities of volatile organic material.