

Agenda Date: October 20, 2016
Agenda Placement: Regular
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Continued Item: No

Board Agenda Item

TO: Air Pollution Control District Board

FROM: Aeron Arlin Genet, Air Pollution Control Officer

CONTACT: Joel Cordes, Monitoring and IT Supervisor (961-8816)

SUBJECT: 2015 Annual Air Quality Report

RECOMMENDATION:

Receive presentation and attached 2015 Annual Ambient Air Quality Report for Santa Barbara County.

BACKGROUND

The District has a network of 18 ambient air quality monitoring stations in Santa Barbara County designed to measure concentrations of pollutants including: ozone, nitrogen dioxide, sulfur dioxide, carbon monoxide, and particulate matter (both PM10 and PM2.5). The District summarizes the concentrations in an Annual Ambient Air Quality Report.

DISCUSSION:

In 2015, Santa Barbara County met the federal standards for all measured pollutants. In October of 2015, the US EPA revised the 8-hour ozone standard from 0.075 parts per million (ppm) to 0.070 ppm. The current air quality data shows that Santa Barbara County will meet the new lower standard.

Santa Barbara County also meets the California state standards for all pollutants except for the 8-hour ozone standard, the 24-hour particulate matter less than 10 microns, and the annual arithmetic mean for particulate matter less than 10 microns.

The state 8-hour ozone standard of 0.070 ppm (70 ppb) was exceeded on 2 days. The California state PM10 standard of 50 micrograms per cubic meter ($\mu\text{g}/\text{m}^3$) was exceeded on 15 days.

The California state arithmetic mean PM10 standard of 10 micrograms per cubic meter ($\mu\text{g}/\text{m}^3$) was exceeded at 5 of the 7 stations collecting PM10 data.

The attached 2015 Annual Air Quality Report summarizes the 4 highest concentrations for each pollutant at each monitoring station. Included in the report are maps and tables showing the locations of each monitoring station and the pollutants measured. Also included is a discussion of any changes to the monitoring network during 2015.

The presentation to your board will summarize the 2015 Annual Air Quality with maps and tables. Also included in this presentation will be graphs showing historical trends for each pollutant in Santa Barbara County.

ATTACHMENT:

2015 Annual Air Quality Report