

State of California
AIR RESOURCES BOARD

Resolution 87-62

July 9, 1987
October 8, 1987
November 13, 1987

87-10-2

Agenda Item No.: 87-13-2

Agenda Item No.: 87-15-1

WHEREAS, on January 25, 1985, pursuant to Section 39662 of the Health and Safety Code, the Air Resources Board ("Board") identified benzene as a toxic air contaminant for which there is not sufficient available scientific evidence to support the identification of a threshold exposure level below which no significant adverse health effects are anticipated (see Title 17, California Administrative Code, Section 93000);

WHEREAS, following identification of benzene as a toxic air contaminant, the Executive Officer, with the participation of the local air pollution control districts, is required to prepare a report on the need for and appropriate degree of control of benzene emissions;

WHEREAS, on July 24, 1986, the Board considered the "Benzene Control Plan" ("Plan") as supplemented by the Addendum to the Plan and found it to be an appropriate overall course of action for developing potential benzene control measures;

WHEREAS, the Board directed the staff to work closely with the districts through the Technical Review Group and with affected industry sources to further analyze and assess the nonvehicular control measures identified in the Plan for gasoline marketing and refinery benzene sources, and bring before the Board those measures which warrant further consideration;

WHEREAS, the Technical Review Group formed a Subcommittee to work with the Board staff to further analyze and assess potential nonvehicular measures for gasoline marketing sources of benzene emissions;

WHEREAS, in consideration of the potential benefits of implementing gasoline marketing benzene control measures, the Board staff, with the concurrence of the Subcommittee, decided to give the highest priority to developing a benzene control measure for retail service stations;

WHEREAS, Phase I and II vapor recovery systems are currently required at most retail service stations in areas of California which have not attained the federal ozone standard;

WHEREAS, staff has developed a proposed airborne toxic control measure for benzene emissions which would require the installation and use of Phase I and II vapor recovery systems at most retail service stations in the state, including those areas where Phase I and II systems are not currently required;

WHEREAS, Board staff prepared the "Proposed Airborne Toxic Control Measure for Emissions of Benzene from Retail Service Stations" (staff report) which includes: estimates of benzene emissions, exposure, cancer risk and cancer incidence associated with retail service stations; a discussion of the availability, technological feasibility and costs of an airborne toxic control measure (ATCM) to reduce benzene emissions from retail service stations; the proposed ATCM; a discussion of the anticipated effect of the ATCM on benzene exposure and risk; a discussion of the alternatives to the ATCM; and identification of any potential adverse health, safety or environmental impacts of the ATCM;

WHEREAS, as directed by the Board at its July 9, 1987 hearing, Board staff prepared additional analyses of the costs and benefits of requiring vapor recovery systems on existing retail service stations which sell 480,000 or fewer gallons per year;

WHEREAS, the Staff Report and Technical Support Document on the proposed measure in conjunction with the Plan, Addendum to the Plan, and the Technical Support document for the Plan constitute the report on the need and appropriate degree of regulation for benzene required by Health and Safety Code Section 39665, and in accordance with Health and Safety Code Section 39665(c), this material, as well as all relevant comments received during consultation, were made available for public review and comment 45 days prior to the public hearing to consider the proposed ATCM;

WHEREAS, the California Environmental Quality Act and Board regulations require that no project having significant adverse environmental impacts be adopted as originally proposed if feasible alternatives or mitigation measures are available;

WHEREAS, a public hearing and other administrative proceedings were held in accordance with provisions of Chapter 3.5 (commencing with Section 11340), Part 1, Division 3, Title 2 of the Government Code;

WHEREAS, in consideration of the staff report and the written comments and public testimony it has received, the Board finds that:

The added lifetime cancer incidence from exposure to benzene emissions from retail service stations contributes to the statewide and local incidence of cancer and to the overall cancer risk;

The proposed airborne toxic control measure for benzene complies with the requirements of state law for control of sources of toxic air contaminants identified by the Board; and

The proposed airborne toxic control measure would reduce benzene emissions from retail service stations and resulting cancer risk and cancer incidence to the lowest level achievable through application of best available control technology at stations subject to the measure; and

WHEREAS, the Board has determined, pursuant to the requirements of the California Environmental Quality Act and Board regulations, that this regulatory action will have no significant adverse impact on the environment.

NOW, THEREFORE, BE IT RESOLVED that the Board hereby approves Sections 93100 and 93101, Subchapter 7.5, Chapter 1, Part III, Titles 17 and 26, California Administrative Code, as set forth in Attachment A.

BE IT FURTHER RESOLVED that the Board directs the Executive Officer to adopt Sections 93100 and 93101, Titles 17 and 26, California Administrative Code, as set forth in Attachment A after making them available to the public for a period of 15 days, provided that the Executive Officer shall consider such written comments regarding the changes in the regulations as originally proposed as may be submitted during this period, shall make such modifications as may be appropriate in light of the comments received, and shall present the regulations to the Board for further consideration if he determines that this is warranted.

I hereby certify that the above is a true and correct copy of Resolution 87-62, as adopted by the Air Resources Board.


Harold Holmes, Board Secretary

State of California
AIR RESOURCES BOARD

Response to Significant Environmental Issues

Item: Notice of Public Hearing to Consider the Adoption of an
Airborne Toxic Control Measure for Benzene Emissions
from Retail Service Stations

Agenda Item No.: 87-10-2
87-13-2

Public Hearing Dates: July 9, 1987 and October 8, 1987

Response Date:

Issuing Authority: Air Resources Board

Comment: No comments were received identifying any
significant environmental issues pertaining to this
item. The staff report identified no adverse
environmental effects.

Response: N/A

Certified: _____

Carolyn Allen
Board Secretary

Date: _____

5/11/88

State of California

MEMORANDUM

To : Gordon Van Vleck
Secretary
Resources Agency

Date : August 24, 1988

Subject : Filing of Notice of
Decisions of the Air
Resources Board


Cary Allison
Board Secretary

From : Air Resources Board

Pursuant to Title 17, Section 60007 (b), and in compliance with Air Resources Board certification under Section 21080.5 of the Public Resources Code, the Air Resources Board hereby forwards for posting the attached notice of decisions and response to environmental comments raised during the comment period.

ATTACHMENTS

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87-62
87-82
87-83
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87-95
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88-41

State of California

MEMORANDUM

To : Gordon Van Vleck
Secretary
Resources Agency

Date : January 13, 1988

Subject : Filing of Notice
of Decisions of
the Air Resources
Board


Cary Allison
Board Secretary

From : Air Resources Board

Pursuant to Title 17, Section 60007 (b), and in compliance with Air Resources Board certification under Section 21080.5 of the Public Resources Code, the Air Resources Board hereby forwards for posting the attached notice of decisions and response to environmental comments raised during the comment period.

ATTACHMENTS

86-68
86-70
86-71
86-94
86-98
86-99
86-115
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ITEM NO.: 87-11-4 (b)
DATE: August 13, 1987

State of California
AIR RESOURCES BOARD

ITEM: Research Proposal No. 172-24 entitled "Cost of Materials Damage Caused by Acid Deposition in the South Coast Air Basin."

RECOMMENDATION: Adopt Resolution 87-63 approving Proposal No. 172-24 for funding in an amount not to exceed \$179,873.

SUMMARY: In accordance with the Kapiloff Acid Deposition Act the objective of this project is to assess the economic impact of acid deposition damage upon materials in the South Coast Air Basin (SoCAB).

The project tasks include conducting a consumer survey of households in the South Coast Air Basin to help assess types, amounts and costs of remedial or preventative action and the type and costs of the remedial or preventative action to avoid or repair damage to materials from acid deposition.

Specific tasks include: conducting a consumer survey of maintenance practices; estimating environmental and meteorological data for grid cells covering the SoCAB; calculating damage rates for building materials located in the grid cells; calculating the amount and type of materials damage; and estimating the cost of the materials damage. The contractor will report damage in physical terms and in dollar terms for the base year 1986.

The project would integrate the data on materials inventory and damage functions currently being developed under other ARB projects and would provide an assessment of materials damage caused by acid deposition in California:

The Contractor is Mathtech, Inc. and the principal investigator is Dr. Robert Horst.