State of California

Air Resources Board

Resolution 94-12
March 10, 1994

Agenda Item No.: 94-3-2

WHEREAS, the Air Resources Board has been directed to carry out an effective research program in conjunction with its efforts to combat air pollution, pursuant to Health and Safety Code Sections 39700 through 397905; and

WHEREAS, a solicited research proposal, Number 2101-178, entitled " Heavy-Duty Truck Population, Activity and Usage Patterns," has been submitted by Jack Faucett Associates; and

WHEREAS, the Research Division staff has reviewed and recommended this proposal for approval; and

WHEREAS, the Research Screening Committee has reviewed and recommends for funding:

> Proposal Number 2101-178, entitled "Heavy-Duty Truck Population, Activity and Usage Patterns," has been submitted by Jack Faucett Associates, for an amount not to exceed $193,566.

NOW, THEREFORE BE IT RESOLVED, that the Air Resources Board, pursuant to the authority granted by the Health and Safety Code Section 39703, hereby accepts the recommendation of the Research Screening Committee and approves the following:

> Proposal Number 2101-178, entitled "Heavy-Duty Truck Population, Activity and Usage Patterns," has been submitted by Jack Faucett Associates, for an amount not to exceed $193,566.

BE IT FURTHER RESOLVED, that the Executive Officer is hereby authorized to initiate administrative procedures and execute all necessary documents and contracts for the research effort herein in an amount not to exceed $193,566.

I hereby certify that the above is a true and correct copy of Resolution 94-12, as adopted by the Air Resources Board.

Pat Hutchens

Pat Hutchens, Board Secretary

State of California

AIR RESOURCES BOARD

Resolution 94-13
March 10, 1994

Agenda Item No.: 94-3-2

WHEREAS, the Air Resources Board has been directed to carry out an effective research program in conjunction with its efforts to combat air pollution, pursuant to Health and Safety Code Sections 39700 through 39705; and

WHEREAS, an unsolicited research proposal, Number 2122-180, entitled "Improvement of Speciation Profiles for Architectural and Industrial Coating Operation," has been submitted by the California Polytechnic State University Foundation; and

WHEREAS, the Research Division staff has reviewed and recommended this proposal for approval; and

WHEREAS, the Research Screening Committee has reviewed and recommends for funding:

> Proposal Number 2122-180, entitled "Improvement of Speciation Profiles for Architectural and Industrial Coating Operation," submitted by the California Polytechnic State University Foundation, for a total amount not to exceed $150,000.

NOW, THEREFORE, BE IT RESOLVED, that the Air Resources Board, pursuant to the authority granted by Health and Safety Code Section 39703, hereby accepts the recommendation of the Research Screening Committee and approves the following:

> Proposal Number 2122-180, entitled "Improvement of Speciation Profiles for Architectural and Industrial Coating Operation," submitted by the California Polytechnic State University Foundation, for a total amount not to exceed $150,000.

BE IT FURTHER RESOLVED, that the Executive Officer is hereby authorized to initiate administrative procedures and execute all necessary documents and contracts for the research effort proposed herein in an amount not to exceed $150,000.

I hereby certify that the above is a true and correct copy of Resolution 94-13, as adopted by the Air Resources Board.

Pat Hutchens

Pat Hutchens, Board Secretary

State of California

AIR RESOURCES BOARD

Resolution 94-14
March 10, 1994

Agenda Item No.: 94-3-2

WHEREAS, the Air Resources Board has been directed to carry out an effective research program in conjunction with its efforts to combat air pollution, pursuant to Health and Safety Code Sections 39700 through 39705; and

WHEREAS, a solicited research proposal, Number 2105-178, entitled "Determination of Formaldehyde and Toluene Diisocyanate Emissions from Indoor Residential Sources," has been submitted by the Battelle Memorial Institute; and

WHEREAS, the Research Division staff has reviewed and recommended this proposal for approval; and

WHEREAS, the Research Screening Committee has reviewed and recommends for funding:

> Proposal Number 2105-178, entitled "Determination of Formaldehyde and Toluene Diisocyanate Emissions from Indoor Residential Sources," submitted by the Battelle Memorial Institute, for a total amount not to exceed $298,719.

NOW, THEREFORE, BE IT RESOLVED, that the Air Resources Board, pursuant to the authority granted by Health and Safety Code Section 39703, hereby accepts the recommendation of the Research Screening Committee and approves the following:

> Proposal Number 2105-178, entitled "Determination of Formaldehyde and Toluene Diisocyanate Emissions from Indoor Residential Sources," submitted by the Battelle Memorial Institute, for a total amount not to exceed $298,719.

BE IT FURTHER RESOLVED, that the Executive Officer is hereby authorized to initiate administrative procedures and execute all necessary documents and contracts for the research effort proposed herein in an amount not to exceed $298,719.

I hereby certify that the above is a true and correct copy of Resolution 94-14, as adopted by the Air Resources Board.

Pat Hutchens

Pat Hutchens, Board Secretary

State of California

AIR RESOURCES BOARD

Resolution 94-15
March 10, 1994

Agenda Item No.: 94-3-2

WHEREAS, the Air Resources Board has been directed to carry out an effective research program in conjunction with its efforts to combat air pollution, pursuant to Health and Safety Code Sections 39700 through 39705; and

WHEREAS, an interagency research proposal, Number 2126-180, entitled "Characterization of Ozone Episodes in the South Coast Air Basin: Effects of Air Parcel Residence Time and Weekday/Weekend Differences," has been submitted by the University of California, Los Angeles; and

WHEREAS, the Research Division staff has reviewed and recommended this proposal for approval; and

WHEREAS, the Research Screening Committee has reviewed and recommends for funding:

> Proposal Number 2126-180, entitled "Characterization of Ozone Episodes in the South Coast Air Basin: Effects of Air Parcel Residence Time and Weekday/Weekend Differences," submitted by the University of California, Los Angeles, for a total amount not to exceed $59,627.

NOW, THEREFORE, BE IT RESOLVED, that the Air Resources Board, pursuant to the authority granted by Health and Safety Code Section 39703, hereby accepts the recommendation of the Research Screening Committee and approves the following:

> Proposal Number 2126-180, entitled "Characterization of Ozone Episodes in the South Coast Air Basin: Effects of Air Parcel Residence Time and Weekday/Weekend Differences," submitted by the University of California, Los Angeles, for a total amount not to exceed $59,627.

BE IT FURTHER RESOLVED, that the Executive Officer is hereby authorized to initiate administrative procedures and execute all necessary documents and contracts for the research effort proposed herein in an amount not exceed $59,627.

I hereby certify that the above is a true and correct copy of Resolution 94-15, as adopted by the Air Resources Board.

Pat Hutchens

Pat Hutchens, Board Secretary

State of California

AIR RESOURCES BOARD

Resolution 94-16
March 10, 1994

Agenda Item No.: 94-3-2

WHEREAS, the Air Resources Board has been directed to carry out an effective research program in conjunction with its efforts to combat air pollution, pursuant to Health and Safety Code Sections 39700 through 39705; and

WHEREAS, an interagency research proposal, Number 2123-180, entitled "Toxicity of Chemical Constituents of PM10 in the South Coast Air Basin of California," has been submitted by the University of California, Irvine; and

WHEREAS, the Research Division staff has reviewed and recommended this proposal for approval; and

WHEREAS, the Research Screening Committee has reviewed and recommends for funding:

> Proposal Number 2123-180, entitled "Toxicity of Chemical Constituents of PM10 in the South Coast Air Basin of California," submitted by the University of California, Irvine, for a total amount not to exceed $598,900.

NOW, THEREFORE, BE IT RESOLVED, that the Air Resources Board, pursuant to the authority granted by Health and Safety Code Section 39703, hereby accepts the recommendation of the Research Screening Committee and approves the following:

> Proposal Number 2123-180, entitled "Toxicity of Chemical Constituents of PM10 in the South Coast Air Basin of California," submitted by the University of California, Irvine, for a total amount not to exceed $598,900.

BE IT FURTHER RESOLVED, that the Executive Officer is hereby authorized to initiate administrative procedures and execute all necessary documents and contracts for the research effort proposed herein in an amount not to exceed $598,900.

I hereby certify that the above is a true and correct copy of Resolution 94-16, as adopted by the Air Resources Board.

Pat Hutchens

Pat Hutchens, Board Secretary

State of California

AIR RESOURCES BOARD

Resolution 94-17
March 10, 1994

Agenda Item No.: 94-3-2

WHEREAS, the Air Resources Board has been directed to carry out an effective research program in conjunction with its efforts to combat air pollution, pursuant to Health and Safety Code Sections 39700 through 39705; and

WHEREAS, an interagency research proposal, Number 2124-180, entitled "The Effects of Multi-day Exposure to Nitrogen Dioxide on Human Cellular Immunity," has been submitted by the University of California, San Francisco; and

WHEREAS, the Research Division staff has reviewed and recommended this proposal for approval; and

WHEREAS, the Research Screening Committee has reviewed and recommends for funding:

> Proposal Number 2124-180, entitled "The Effects of Multi-day Exposure to Nitrogen Dioxide on Human Cellular Immunity," submitted by the University of California, San Francisco, for a total amount not to exceed $315,495.

NOW, THEREFORE, BE IT RESOLVED, that the Air Resources Board, pursuant to the authority granted by Health and Safety Code Section 39703, hereby accepts the recommendation of the Research Screening Committee and approves the following:

> Proposal Number 2124-180, entitled "The Effects of Multi-day Exposure to Nitrogen Dioxide on Human Cellular Immunity," submitted by the University of California, San Francisco, for a total amount not to exceed $315,495.

BE IT FURTHER RESOLVED, that the Executive Officer is hereby authorized to initiate administrative procedures and execute all necessary documents and contracts for the research effort proposed herein in an amount not to exceed $315,495.

I hereby certify that the above is a true and correct copy of Resolution 94-17, as adopted by the Air Resources Board.

Pat Hutchens

Pat Hutchens, Board Secretary

State of California

AIR RESOURCES BOARD

Resolution 94-18
March 10, 1994

Agenda Item No.: 94-3-2

WHEREAS, the Air Resources Board has been directed to design and implement a comprehensive program of research and monitoring of acid deposition in California, pursuant to Health and Safety Code Sections 39900 through 39911; and

WHEREAS, an unsolicited research proposal, Number 251-49 entitled "Development of a Computationally Efficient Acid Deposition Model for California," has been submitted by the California Institute of Technology; and

WHEREAS, the Research Division staff has reviewed and recommended this proposal for approval; and

WHEREAS, the Scientific Advisory Committee on Acid Deposition has reviewed and recommends for funding:

> Proposal Number 251-49, entitled "Development of a Computationally Efficient Acid Deposition Model for California," submitted by the California Institute of Technology, for a total amount not to exceed $299,983;

NOW, THEREFORE, BE IT RESOLVED, that the Air Resources Board, pursuant to the authority granted by Health and Safety Code Section 39904, hereby accepts the recommendation of the Scientific Advisory Committee on Acid Deposition and approves the following:

> Proposal Number 251-49 entitled "Development of a Computationally Efficient Acid Deposition Model for California," submitted by the California Institute of Technology, for a total amount not to exceed $299,983.

BE IT FURTHER RESOLVED, that the Executive Officer is hereby authorized to initiate administrative procedures and execute all necessary documents and contracts for the research effort proposed herein in an amount not to exceed $299,983.

I hereby certify that the above is a true and correct copy of Resolution 94-18, as adopted by the Air Resources Board.

Pat Hutchens

Pat Hutchens, Board Secretary