State of California

AIR RESOURCES BOARD

Resolution 90-1

January 11, 1989

Item #90-1-5

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, a solicited research proposal, Number 213-36, entitled "Receptor Modeling of Acidic Air Pollutants and Oxidants to Forested Regions in the Sierra Nevada," has been submitted by Desert Research Institute; 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 213-36, entitled "Receptor Modeling of Acidic Air Pollutants and Oxidants to Forested Regions in the Sierra Nevada," submitted by Desert Research Institute for a total amount not to exceed $240,678.

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 213-36, entitled "Receptor Modeling of Acidic Air Pollutants and Oxidants to Forested Regions in the Sierra Nevada," submitted by Desert Research Institute for a total amount not to exceed $240,678.

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 $240,678.

I hereby certify that the above is a true and correct copy of Resolution #90-1, as adopted by the Air Resources Board.

Cary Allison 1/12/90

Cary Allison, Board Secretary

State of California

AIR RESOURCES BOARD

Resolution 90-2

January, 1989

Item #90-1-5

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, a solicited research proposal, Number 212-36, entitled "A Proposal to Determine the Transport of Acidic Air Pollutants to Forests and Alpine Regions of the Sierra Nevada (TAAPs)," has been submitted by Tracer Technologies; 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 212-36, entitled "A Proposal to Determine the Transport of Acidic Air Pollutants to Forests and Alpine Regions of the Sierra Nevada (TAAPs)," submitted by Tracer Technologies for a total amount not to exceed $260,627.

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 212-36, entitled "A Proposal to Determine the Transport of Acidic Air Pollutants to Forests and Alpine Regions of the Sierra Nevada (TAAPs)," submitted by Tracer Technologies for a total amount not to exceed $260,627.

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 to exceed $260,627.

I hereby certify that the above is a true and correct copy of Resolution #90-2, as adopted by the Air Resources Board.

Cary Allison 1/12/90

Cary Allison, Board Secretary

State of California

AIR RESOURCES BOARD

Resolution 90-3
January 11, 1990

Item #90-1-5

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 207-36, entitled "Aquatic Biota in the Sierra Nevada: Current Status and Potential Effects of Acid Deposition on Populations," has been submitted by University of California, Santa Barbara; 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 207-36, entitled "Aquatic Biota in the Sierra Nevada: Current Status and Potential Effects of Acid Deposition on Populations," submitted by University of California, Santa Barbara, for a total amount not to exceed $178,391.

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 207-36, entitled "Aquatic Biota in the Sierra Nevada: Current Status and Potential Effects of Acid Deposition on Populations," submitted by University of California, Santa Barbara, for a total amount not to exceed $178,391.

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 $178,391.

I hereby certify that the above is a truse and correct copy of Resolution #90-3, as adopted by the Air Resources Board.

Cary Allison 1/12/90

Cary Allison, Board Secretary

State of California

AIR RESOURCES BOARD

Resolution 90-4
January 11, 1990 Item #90-1-5

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 208-36, entitled "Aquatic Amphibians in the Sierra Nevada: Current Status and Potential Effects of Acid Deposition on Populations," has been submitted by University of California, Los Angeles; 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 208-36, entitled "Aquatic Amphibians in the Sierra Nevada: Current Status and Potential Effects of Acid Deposition on Populations," submitted by University of California, Los Angeles, for a total amount not to exceed $90,000.

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 208-36, entitled "Aquatic Amphibians in the Sierra Nevada: Current Status and Potential Effects of Acid Deposition on Populations," submitted by University of California, Los Angeles, for a total amount not to exceed $90,000.

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 $90,000.

I hereby certify that the above is a true and correct copy of Resolution #90-4, as adopted by the Air Resources Board.

Cary Allison 1/12/90

Cary Allison, Board Secretary

State of California

AIR RESOURCES BOARD

Resolution 90-5
January 11, 1990

Item #90-1-5

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 1723-152 entitled "Effects of Nitric Acid Vapor and Ozone in Exercising, Healthy Subjects as Assessed by Isolated Airway Lavage," 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 1723-152, entitled "Effects of Nitric Acid Vapor and Ozone in Exercising, Healthy Subjects as Assessed by Isolated Airway Lavage," submitted by the University of California, San Francisco, for a total amount not to exceed $129,956.

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 1723-152, entitled "Effects of Nitric Acid Vapor and Ozone in Exercising, Healthy Subjects as Assessed by Isolated Airway Lavage," submitted by the University of California, San Francisco, for a total amount not to exceed $129,956.

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 $129,956.

I hereby certify that the above is a true and correct copy of Resolution #90-5, as adopted by the Air Resources Board.

Cary Allison, Board Secretary