

STATE WATER RESOURCES CONTROL BOARD
RESOLUTION NO. 76-22

AUTHORIZING THE EXECUTION OF AN AGREEMENT
BETWEEN THE STATE WATER RESOURCES CONTROL
BOARD AND CHINO BASIN MUNICIPAL WATER
DISTRICT TO ASSIST IN THE FUNDING OF A
PROPOSED PILOT PROGRAM TO TREAT AND
RECLAIM DAIRY MANURE

WHEREAS:

1. A major water quality problem associated with animal production is the handling and disposal of animal waste. In certain locations of the State, such as Chino Basin, land application of animal wastes is not feasible because of the groundwater quality problem and the high concentrations of animals in the area.
2. A number of technological processes have been suggested as alternatives for land disposal of animal wastes, including the processing of animal manure into reusable animal feed and other products. One such method is known as the CERES method which converts the animal manure into three products: a silage, a high-protein feed, and a soil conditioner.
3. It is the intent of the CBMWD to construct and operate, for not less than two years, a pilot plant to reclaim the manure produced by 7,000 dairy cows. The construction cost of the pilot plant is about 1.2 million dollars.
4. While available information indicates that the reprocessed animal wastes can satisfy many of the nutritional requirements of several domestic animals, additional research needs to be conducted on the transmittal of drugs, toxic metals, feed additives, and pesticides to the second animal, agricultural products, and groundwater. The cost of the research activities is about \$137,000 for a two-year period.
5. The Chino Basin Municipal Water District has applied to the U. S. Environmental Protection Agency (EPA) for assistance in funding this research. Although EPA has not yet obligated any funds, it is anticipated that they will obligate \$50,000 for F. Y. 1976-77 and possibly an equal amount for the following fiscal year.
6. The Chino Basin Municipal Water District has applied to the State Board for assistance in funding this research in the amount of \$37,000.
7. The experience obtained through the operation of this plant and results of the proposed research project will be used by CBMWD in making determination to expand the system of reclamation facilities and enlarge the segment of the dairy community served by the plants.

8. The California Regional Water Quality Control Board, Santa Ana Region, has adopted Resolution No. 75-248, which supports the Chino Basin Municipal Water District's effort to seek a solution to the dairy waste problem and their request to the State Board for assistance in funding this project. In addition, several dairy and farm organizations, water districts, and a Legislator have endorsed this proposed project.

THEREFORE BE IT RESOLVED:

That the State Board authorizes the Executive Officer to execute an agreement in an amount not to exceed \$37,000 for a two-year period commencing approximately May 1, 1976, between the State Water Resources Control Board and the Chino Basin Municipal Water District to assist in the funding of the proposed pilot program to treat and reclaim dairy manure, if the EPA executes a grant agreement with the Chino Basin Municipal Water District and provides not less than \$50,000 for the support of this research for F. Y. 1976-77. Furthermore, the experience obtained through the operation of this plant and results shall be used by CEMWD to expand the system of reclamation facilities and enlarge the segment of dairy community served by the plant as needed for water quality control within the Chino Basin.

CERTIFICATION

The undersigned, Executive Officer of the State Water Resources Control Board, does hereby certify that the foregoing is a full, true, and correct copy of a resolution duly and regularly adopted at a meeting of the State Water Resources Control Board held on March 18, 1976.

Bill B. Dendy

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Executive Officer