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DEPARTMENT OF
PUBLIC WORKS

CITY OF SACRAMENTO
CALIFORNIA

921 TENTH STREET
SUITE 500
SACRAMENTO, CA
95814-2715

SOLID WASTE DIVISION

916-449-5757

DAVID A. PELSER
SOLID WASTE
DIVISION MANAGER

April 30, 1991

Transportation and Community Development/
Budget and Finance Committees
Sacramento, California

Honorable Members in Session:

SUBJECT: LANDFILL DRAINAGE IMPROVEMENTS

SUMMARY

New US EPA requirements for urban stormwater runoff and existing State regulations for landfills require the construction of a retention pond at the City's 28th Street Landfill. This report requests the appropriation of \$70,000 from the Solid Waste Fund Contingency Reserve to the Landfill Closure Fund to pay for the design and construction of the retention pond.

BACKGROUND

The 28th Street Landfill's American River outfall was designed and constructed in 1985 in conjunction with the Landfill's 35 acre expansion area. The outfall was originally designed as a discharge for storm water surface runoff from the expansion area after it was completed and filled. It was also used as the outlet for water collected in the expansion area's three groundwater pump stations. The three groundwater pump stations are no longer in use because refuse has been placed on the clay liner in the Northern section of the expansion area. However, the outfall is still needed as a discharge for storm water surface runoff.

The construction of a retention pond will help the landfill comply with the new Environmental Protection Agency (EPA) National Pollution Discharge Elimination System (NPDES) permit requirements. These requirements are contained in the Regional Water Quality Control Board (RWQCB) Urban Runoff Order #90-158 and EPA NPDES Permit #CA 008-2597. Currently, the Landfill's surface drainage channels flow directly into the American River, through the existing outfall, with no provisions to catch sediment contained in the runoff.

The drainage plan for the Landfill has also been refined based on the current Landfill construction grading plan configuration. Calculations based on the 100 year storm event indicate that there is insufficient capacity in the outfall to accommodate the anticipated runoff. The retention pond will function as a storage facility during periods of heavy rain, allowing the existing outfall to discharge at it's maximum capacity.

All water discharged into the American River is surface runoff and has not come into contact with refuse. When final cover is constructed over the entire landfill, and the surface soils are planted, it is anticipated that less sediment will be contained in the runoff.

FINANCIAL DATA

The estimated cost of design and construction of the retention pond is \$70,000. This estimate is based on a conceptual retention pond design by the City Flood Control and Sewer Division. It is proposed that the required funds be appropriated from the Solid Waste Contingency Reserve to the Landfill's Closure Capital Improvement Project YA06. As of the midyear review, the Solid Waste Contingency Reserve had an available balance of \$1,633,000.

POLICY MATTERS

The City must comply with the terms of the existing urban runoff permits. In addition, the Landfill must have an adequate surface drainage system to maintain compliance with it's Operating Permit.

MBE/WBE

Not applicable.

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RECOMMENDATION

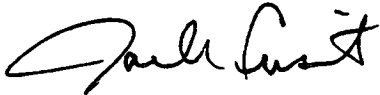
Staff recommends that the Joint Committees recommend to the full Council adoption of the attached resolution which will appropriate \$70,000 from the Solid Waste Fund Contingency Reserve to the Landfill's Closure Capital Improvement Project YA06.

Respectfully submitted,



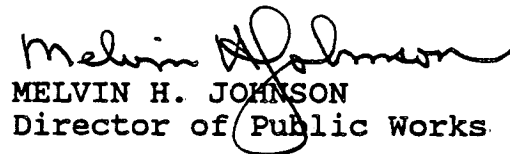
David A. Pelsner
Solid Waste Division Manager

RECOMMENDATION APPROVED:



JACK CRIST
Deputy City Manager

APPROVED:



MELVIN H. JOHNSON
Director of Public Works

Contact Person to
Answer Questions:

April 30, 1991
All Districts

David A. Pelsner, Solid Waste Division Manager
449-2043

RESOLUTION NO.

ADOPTED BY THE SACRAMENTO CITY COUNCIL

ON DATE OF _____

A RESOLUTION TRANSFERRING FUNDS FROM THE SOLID WASTE DIVISION
FUND CONTINGENCY RESERVE AND AUGMENTING THE CAPITAL IMPROVEMENT
PROJECT BUDGET

BE IT RESOLVED BY THE COUNCIL OF THE CITY OF SACRAMENTO THAT:

1. The Capital Improvement Program Budget is hereby amended by transferring \$70,000 from the Solid Waste Fund Contingency Reserve (415-710-7012-4999) to the Capital Improvement Project YA06 (253-3110-YA06-4820).

MAYOR

ATTEST:

CITY CLERK

FOR CITY CLERK USE ONLY

RESOLUTION NO.: _____

DATE ADOPTED: _____