

**MEMORANDUM  
DEPARTMENT OF FACILITY SERVICES  
COUNTY OF PLACER**

To: **BOARD OF SUPERVISORS**

Date: **OCTOBER 20, 2009**

From: *JD* **JAMES DURFEE / WILL DICKINSON** *W.D.*

Subject: **SMD 3 DE-NITRIFICATION PROJECT 04822 - APPROVAL OF PLANS AND SPECIFICATIONS**

**ACTION REQUESTED / RECOMMENDATION:** Staff recommends your Board take the following actions with regard to the SMD 3 De-nitrification Project 04822:

1. Approve the Plans and Specifications and authorize staff to solicit bids.
2. Adopt the attached Resolution authorizing the Director of Facility Services to award and execute the resulting construction contract, in an amount not to exceed \$1,144,000, upon review and approval by Risk Management and County Counsel, and approve any required change orders consistent with the County Purchasing Manual and Section 20142 of the Public Contract Code.
3. Authorize the Director of Facility Services or his designee to file a Notice of Exemption for the work associated with the proposed project.
4. Approve the attached Budget Revision to shift \$270,000 in appropriations from the FY 2009/10 Applegate Sewer Improvements Capital Project Budget to the SMD 3 De-nitrification Capital Project Budget.

**BACKGROUND:** On June 10, 2008, your Board approved an agreement for the design of the SMD 3 De-nitrification Project. The project, in general, replaces an existing filter system at the wastewater treatment plant (Plant 3) with one capable of removing nitrate and reducing effluent turbidity. Plant 3, constructed in 1961, uses biological and filtration processes that cannot meet current regulatory standards as defined in a new permit for Plant 3 approved by the Regional Water Quality Control Board (RWQCB) in June 2007. The District was recently assessed a fine of \$153,000 for water quality violations at Plant 3 going back to the year 2000; of this total, \$120,000 in fines were caused by high nitrate or turbidity violations.

The Plant 3 permit and accompanying Cease and Desist Order require that the County meet specific deadlines for coming into compliance with each new standard. The de-nitrification and filtration equipment proposed for this project are designed to bring Plant 3 into compliance with the nitrate and turbidity standards on an interim basis while staff continues to develop plans to close Plant 3 and regionalize the sewer system, as directed by your Board. Failure to achieve compliance with discharge standards in the interim will result in additional enforcement action from the RWQCB, including the assessment of penalties that could total several hundreds of thousands of dollars per year, and could put the County at risk of third party lawsuits. The specifications are available for review at the Department of Facility Services.

**ENVIRONMENTAL CLEARANCE:** Under Section 15301(b) of the CEQA Guidelines, projects that consist of the minor alteration of existing facilities which do not result in an expansion of the use beyond that existing are categorically exempt from further CEQA review. The improvements will not increase the capacity of Plant 3, but are designed to bring it into compliance with nitrate and turbidity standards. A Notice of Exemption will be filed with the Placer County Clerk of the Board following approval of the project, consistent with CEQA Guidelines, Section 15062.

**FISCAL IMPACT:** The Engineer's Estimate for construction of the project is \$1,036,000. Staff recommends a total construction budget of \$1,144,000, which includes an approximate 10% contingency. Approval of the attached Budget Revision will shift \$270,000 in appropriations from the FY 2009/10 Applegate Sewer Improvements Capital Project Budget to the SMD 3 De-nitrification Capital Project Budget to fully fund the project. Sufficient funding will remain in the Applegate Sewer Project to complete final design.

JD:WD:KS

ATTACHMENT: RESOLUTION  
BUDGET REVISION

T:\FAC\BSMEMO2009\EE\SMD 3 DENITRO CONSTRUCTION.DOCX

**Before the Board of Supervisors  
County of Placer, State of California**

**In the matter of: A RESOLUTION DELEGATING  
AUTHORITY TO THE DIRECTOR OF FACILITY  
SERVICES TO AWARD AND EXECUTE A  
CONTRACT AND APPROVE ANY REQUIRED  
CHANGE ORDERS FOR THE SMD 3  
DE-NITRIFICATION PROJECT 04822**

Resolution \_\_\_\_\_

The following RESOLUTION was duly passed by the Board of Supervisors of the  
County of Placer at a regular meeting held \_\_\_\_\_, by the following vote on  
roll call:

Ayes:

Noes:

Absent:

Signed and approved by me after its passage.

\_\_\_\_\_  
Chairman, Board of Supervisors

Attest:

\_\_\_\_\_  
Clerk of said Board

---

**NOW, THEREFORE, BE IT RESOLVED**, by the Board of Supervisors of the County of Placer, State of California, that this Board authorizes the Director of Facility Services to award and execute the contract for the SMD 3 De-nitrification Project 04822, in an amount not-to-exceed \$1,144,000, upon review and approval by Risk Management and County Counsel, and grant the authority to execute required change orders consistent with the County Purchasing Manual and Section 20142 of the Public Contract Code.

PAS DOCUMENT NO.  
\_\_\_\_\_

Facility Service to do journal to cancel reserves

**BUDGET REVISION**

**POST DATE:**

DEPT NO.	DOC TYPE	Total \$ Amount	TOTAL LINES
12	BR	1,080,000.00	4

Cash Transfer Required

Reserve Cancellation Required

Establish Reserve Required

*my*  Auditor-Controller

County Executive

Board of Supervisors

ESTIMATED REVENUE ADJUSTMENT										APPROPRIATION ADJUSTMENT												
DEPT NO.	T/C	Rev	Fund	Sub Fund	OCA	PCA	OBJ 3	PROJ.	PROJ. DTL	AMOUNT	DEPT NO.	T/C	Rev	Fund	Sub Fund	OCA	PCA	OBJ 3	PROJ.	PROJ. DTL	AMOUNT	
											12	015		140		991078	04825	4151				270,000.00
											12	035		140		991078	04825	4151	704825	010000		270,000.00
											12	014		140		991078	04822	4151				270,000.00
											12	034		140		991078	04822	4151	704822	010000		270,000.00
<b>TOTAL</b>										0.00	<b>TOTAL</b>										1,080,000.00	

REASON FOR REVISION: TO REDUCE APPROPRIATIONS IN THE APPLGATE SEWER IMPROVEMENT CAPITAL PROJECT 704825 AND INCREASE APPROPRIATIONS IN THE SEWER MAINTENANCE 3 DENITRIFICATION CAPITAL PROJECT 704822.

Prepared by Valerie Bayne Ext 6803  
 Department Head Valerie Bayne  
 Board of Supervisors \_\_\_\_\_

Date: 10/20/09  
 Page: \_\_\_\_\_

Budget Revision # \_\_\_\_\_ FOR INDIVIDUAL DEPT USE

34