

TO: BOARD OF DIRECTORS
FROM: DON SPAGNOLO
GENERAL MANAGER
DATE: OCTOBER 6, 2010



AGENDA ITEM
C-3
OCTOBER 13, 2010

SOUTHLAND WWTP UPGRADE PROJECT UPDATE

ITEM

Mike Nunley of AECOM Engineering re Southland wastewater treatment plant upgrade project status [NO ACTION REQUESTED].

BACKGROUND

Attached is the latest Monthly Report from AECOM along with a draft project Budget.

It should be noted that the Board has already funded the proposed project and the District already owns the land for construction.

RECOMMENDATION

Staff recommends that your Honorable Board receive the presentation and ask questions as appropriate.

ATTACHMENT

- Monthly Report

Memorandum

To	Don Spagnolo, PE, General Manager - NCSD	Page	1
CC	Peter Sevcik, Jon Hanlon, Eileen Shields		
Subject	Southland WWTF Phase 1 Improvements – Design Phase Status Report		
From	Michael K. Nunley, PE		
Date	October 6, 2010		

The Project Team has completed the following items this month:

1. AECOM completed the Draft Technical Memorandum #2 – Sludge Thickening Systems and provided copies to District staff for review and comment.
2. AECOM is continuing work on the Draft Concept Design Report.

Schedule

The Project Schedule is attached. A baseline was set at the August 4, 2010 based on the District's request. The schedule has been updated to reflect changes per Scope Amendment #3, discussions with RWQCB regarding permitting, and changes in the EIR schedule.

Budget Status

The Invoice Summary is attached. The Invoice Summary indicates an amount invoiced which is consistent with the work completed to date. Scope Amendment #3, approved by the District Board, was added to the project budget. The project cost opinion has been updated based on the WWTF Master Plan Amendment. The next update will occur with acceptance of the final Concept Design Report.

Yours Sincerely,



Michael K. Nunley, PE

Enclosures: Project Schedule
Invoice Summary
Project Budget Summary

Project Budget Summary

10/1/2010

Engineering Services for NCSD - Southland WWTF Upgrade

Nipomo CSD

	Total Budget	Amount Previously Invoiced	Current Invoice Amount	% of Budget Earned to date	% of Work Complete
Task Group 1 - Concept Design Phase	\$242,179.00	\$186,790.72	\$18,053.55	85%	85%
Task Group 2 - Construction Documents	\$566,856.00	\$20,843.73	\$1,971.00	4%	4%
Task Group 3 - Project Management	\$97,796.00	\$49,496.40	\$2,565.00	53%	53%
Task Group 4 - Assistance During Bid	\$39,539.00	\$0.00	\$0.00	0%	0%
Task Group 5 - Office Engineering Services	\$147,198.00	\$0.00	\$0.00	0%	0%
Task Group 6 - Amendment 1 Facility MP	\$37,020.00	\$37,020.00	\$0.00	100%	100%
Task Group 7 - Waste Discharge Report	\$30,130.00	\$0.00	\$0.00	0%	0%
Total	\$1,160,718.00	\$294,150.85	\$22,589.55	27%	27%

Date Printed 10/6/2010

Item	Description	Budgeted Amount		Updated Amount	
		Jan 2009 Master Plan	(1)(2)(3)	2010 MP Amendment	(9)(10)
1	Frontage Road sewer upgrade (street to influent pump station)	\$366,000	(4)(5)	--	(11)
2	Influent pump station upgrade	\$670,900		\$571,600	
3	Influent screening system	\$327,400		\$371,600	
4	Grit removal system	\$402,700		\$284,100	(12)
5	Phase I Extended Aeration + Secondary Clarifiers	\$3,877,500		\$3,671,300	
6	Phase I Sludge digesters	\$67,700		\$166,300	(13)
7	Phase I Sludge drying beds	\$1,160,700		\$992,300	
8	Controls and Blower Building			\$232,600	(14)
9	Non-Potable Plant Water System			\$191,200	(14)
10	Site Piping			\$642,000	(15)
	Construction Subtotal	\$6,872,900		\$7,123,000	
11	Contingency	\$2,061,870	(6)	\$1,780,750	(16)
12	Design-Phase Engineering	\$923,093		\$966,615	
13	Construction Management	\$1,138,777	(7)	\$1,095,255	(7)
14	Environmental Mitigation	--	(8)	--	(8)
15	Environmental Monitoring	--	(8)	--	(8)
16	Permitting Fees	--	(8)	--	(8)
	WWTF PROJECT TOTAL (Rounded to 1000)	\$10,997,000		\$10,966,000	

Notes:

- (1) ENR CCI: November 2008 = 8602
- (2) Costs are from the January 2009 Southland WWTF Master Plan.
- (3) Costs are escalated by 4 % per year to anticipated midpoint of construction (assumed January 2011).
- (4) The Frontage Rd Sewer Upgrade project includes the sewer main from Division St. to the influent pump station. The portion between the street and the influent pump station is currently included in the Southland WWTF Upgrades project scope of work, but may be moved to the Waterline Intertie Project for expedited construction.
- (5) The cost for this portion of Frontage Rd was estimated by prorating the cost opinion for the Frontage Road Sewer Upgrade (based on linear footage) to arrive at the 2008 Construction Cost Opinion. A 4% per year escalation was used to arrive at the 2011 midpoint of construction cost opinion.
- (6) Contingency is estimated at 30% of construction subtotal.
- (7) To be updated by CM Team; assumed to be 30% of Jan 2009 MP construction subtotal minus the engineering fee.
- (8) Costs to be developed with EIR process
- (9) ENR CCI: April 2010 = 8677
- (10) Costs are from the August 2010 Southland WWTF Master Plan Amendment #1.
- (11) The Frontage Road Sewer Upgrade Project has been developed separately.
- (12) One of two grit removal systems is required for Phases 1 and 2. A second grit removal system is budgeted for Phase 3.
- (13) The design recommendations changed from sludge holding lagoons to digesters in the MP Amendment to provide a reduction in the amount of dry sludge hauled. Earthen berms were added to provide operational flexibility.
- (14) Line item has been added since the January 2009 Master Plan.
- (15) Site piping was moved to its own line item for accuracy in developing the cost opinion.
- (16) Contingency is estimated at 25% of construction subtotal.

TO: BOARD OF DIRECTORS

FROM: DON SPAGNOLO
GENERAL MANAGER



DATE: OCTOBER 6, 2010

AGENDA ITEM

C-4

OCTOBER 13, 2010

MONTHLY ENGINEER UPDATE

ITEM

NCSD District Engineer Peter Sevcik re Recent District Engineer Activities [NO ACTION REQUESTED].

BACKGROUND

Peter Sevcik is scheduled to summarize the attached outline.

RECOMMENDATION

Staff recommends that your Honorable Board receive the presentations and ask questions as appropriate.

ATTACHMENT

- District Engineer Activities Outline

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MEMORANDUM

TO: DON SPAGNOLO, P.E., GENERAL MANAGER
FROM: PETER V. SEVCIK, P.E., DISTRICT ENGINEER
DATE: OCTOBER 13, 2010
RE: DISTRICT ENGINEER ACTIVITIES UPDATE

- **Santa Maria Waterline Intertie Project**
 - Attended SCAC Land Use Committee Meeting and SLO County Subdivision Review Board Meeting regarding public lot formation for pump station site
 - Reviewed 90% plans for Bid Package #4, Pump Station and Tank
 - Reviewing draft final plans for Bid Package #3, Blosser Road Watermain
 - Assisting land acquisition consultant
 - Assisting assessment engineer
- **Southland WWTF Upgrade**
 - Reviewing Draft Technical Memorandum #2 regarding sludge thickening systems
 - Assisting EIR consultant
- **Willow Road Waterline Extension Phase 1 Project**
 - Construction in progress
- **Willow Road Waterline Extension Phase 2 Project**
 - Bid Dues 11/4
- **Frontage Road Trunk Sewer Replacement Project**
 - Reviewed Draft Expanded Initial Study and finalized based on Board review
 - Developing schedule
- **Water and Sewer Master Plan Implementation**
 - Coordinating Quad Tank 1 and 2 Rehabilitation Project
 - Managing SCADA Upgrade Project design process
 - Reviewed draft concept plans for additional water tanks at Dana Foothill Road
- **Safety Program**
 - Conducted monthly safety training for all operations employees on 9/14
 - Coordinated annual hearing tests for all operations employees on 9/30
 - Observed operations employees and Cal Fire joint Confined-Space training on 9/9
 - Continue to coordinate on-line safety training for all District Employees

District Engineer Activities Monthly Summary

October 13, 2010

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- **Regulatory Compliance**
 - Submitted monthly compliance reports for the water and wastewater systems

- **Other**
 - Oversaw sludge dredging project at Southland WWTF
 - Managing development of Urban Water Management Plan Update
 - Coordinating construction of new equipment storage building
 - Working with County to make adjustments to District facilities for Nipomo Safe Routes to School Project