

TO: BOARD OF DIRECTORS

FROM: DON SPAGNOLO  
GENERAL MANAGER



DATE: AUGUST 19, 2010

**AGENDA ITEM**

**C-1**

**AUGUST 25, 2010**

## **WATERLINE INTERTIE PROJECT UPDATE**

### **ITEM**

Mike Nunley of AECOM Engineering re Waterline Intertie project status [NO ACTION REQUESTED].

### **BACKGROUND**

Mike Nunley is scheduled to summarize the attached report.

### **RECOMMENDATION**

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

### **ATTACHMENTS**

- August 2010 WIP Design Phase Status Report



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805 542 9990 fax

## Memorandum

To Don Spagnolo, General Manager – NCSD Page 1

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CC Peter Sevcik, Jon Hanlon, Josh Reynolds, Jim Froelicher, Eileen Shields,  
Kirk Gonzalez

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Subject Waterline Intertie Project – Design Phase Status Report

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From Michael K. Nunley, AECOM

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Date August 18, 2010

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The Project Team has completed the following work items this month:

1. AECOM submitted the public lot application for the reservoir / pump station site to the County.
2. AECOM provided the District with the final submittal for Bid Package #3 (Blosser Road Water Main and Flow Meter) plans and technical specifications.
3. The project team compiled comments on the Streambed Alteration Agreement drafted by California Department of Fish and Game (CDFG), sent a response, and requested a follow-up meeting to discuss conditions of the permit.
4. AECOM is continuing work to update the construction cost opinion to reflect the 90% designs for Bid Packages #2, #3, and #4.
5. AECOM has updated the table of project permits (attached).

### Schedule

The Project Schedule is attached and has been updated to reflect the current project status.

### Budget Status

As shown on the attached Design Budget and Invoice Summary, our fee earned is slightly ahead of the work completed under Task 3.

Yours Sincerely,

Michael K. Nunley, PE

Enclosures: Permits & Status; Design Budget & Invoice Summary; Project Budget Summary;  
Project Schedule

Nipomo Community Services District  
 Waterline Intertie Project  
 Permit Status

updated:

7/20/2010

Permitting Agency	Permit	Status	Issue Date	Expiration Date	Notes
CalTrans	Encroachment	Received	7/1/2010	12/30/2011	BP2 Hwy 101 Xing
CalTrans	Encroachment	Contractor to apply			"Dual Permit"
SLO County	Encroachment				BP2 - NCSD to submit for draft conditions
SLO County	Encroachment	Contractor to apply			
City of Santa Maria	Encroachment	Contractor to apply			BP3
CA Fish & Game	Streambed Alteration Agreement	Received draft permit			AECOM & NCSD staff drafting comments for F&G
ACOE	404 & other permits	Received exemption	3/25/2010		
DOSH (OSHA)	Tunnel Classification	Received	3/22/2010; 3/30/2010	NA	2 jack & bore locations in BP3
DOSH (OSHA)	Excavations > 5 ft	Contractor to apply			
DOSH (OSHA)	Certification of safety Reps for tunneling	Contractor to apply			
SLO APCD	Authority to Construct / Permit to Operate	NCSD to apply			apply at start of bid phase
SLO APCD	Naturally Occuring Asbestos	Received exemption	11/2/2009		
RWQCB	Notice of Intent to Discharge	NCSD to file			NPDES/ Stormwater General Permit
RWQCB	SWPPP	Contractor to complete			
DPHS	Water Supply Permit Amendment	NCSD to file (min 4 mo. Prior to WIP startup)			AECOM working with DPHS for preliminary comments on 90% design

Item	Description	Budgeted Amount May 2008 PER	Updated Amount 17-Mar-09	Updated Amount 22-Apr-09 Concept Design Report	Updated Amount Dec-09 60% Design Plans
1	Mobilization	\$580,000	\$580,000	\$607,000	\$706,800
2	Blosser Extension (18-in)	\$1,247,000	\$1,247,000	\$1,129,000	\$1,148,800
3	Pump Station No. 1 turnout & meter (Blosser Rd)	\$61,000	\$61,000	\$158,000	\$166,400
4	River Crossing (24-in HDD & levee jack & bore)	\$6,135,000	\$6,135,000	\$5,462,500	\$5,414,200
5	24-in Pipeline to Joshua	\$656,000	\$656,000	\$400,000	\$399,500
6	Reservoir (0.5-MG)	\$1,361,000	\$1,361,000	\$1,365,000	\$1,364,700
7	Pump Station No. 2	\$603,000	\$603,000	\$1,572,500	\$1,512,300
8	Pressure Regulators (200 homes)	\$30,000	--	--	--
9	Pressure Reducing Valve Stations	\$18,000	\$72,000	\$243,000	\$290,100
10	Chloramination (Joshua & 5 wellheads)	\$707,000	\$707,000	\$739,500	\$739,200
11	Upgrade Southland to 12-in	\$799,500 (1)	\$780,000 (7)	\$849,000	\$828,900
12	Upgrade Frontage to 12-in	\$1,101,300 (1)	\$880,000 (7)	\$957,000	\$958,600
13	Upgrade Orchard to 12-in	\$509,000	\$1,040,000 (8)	\$1,103,500	\$1,200,800
14	Upgrade Division to 10-in between Allegre and Meridian (6)	\$53,000	--	--	--
15	Oakqlen Avenue 12-in main (5)	--	\$420,000	\$457,000	\$472,600
16	Darby Lane 12-in main (5)	--	\$100,000	\$153,000	\$114,100
17	HWY 101 Bore & Jack (5)	--	\$132,000	\$241,000	\$228,700
18	Isolation Valves (5)	--	\$12,000	\$12,000	\$12,000
19	Pump Station All Weather Access Road	--	--	\$128,000	\$127,500
20	Pipe Cleaning Launch Station Stub Out (Blosser Rd)	--	--	--	\$20,400 (13)
<b>Construction Subtotal</b>		<b>\$13,860,800</b>	<b>\$14,786,000</b>	<b>\$15,577,000</b>	<b>\$15,705,600</b>
21	Contingency	\$3,643,000	\$3,696,500 (9)	\$3,115,400 (11)	\$3,141,120
<b>Construction Subtotal + Contingency</b>		<b>\$17,503,800</b>	<b>\$18,482,500</b>	<b>\$18,692,400</b>	<b>\$18,846,720</b>
22	Property Allowance	<i>not included</i> (4)	<i>not included</i> (4)	\$500,000 (4)	\$278,964 (4) (14)
23	Design-Phase Engineering				
	Original Agreement (July 2008)		\$744,993	\$744,993	\$744,993
	Budget Revision 1 - Pressure Reduction		\$132,798	\$132,798	\$132,798
	Budget Revision 2 - Biological Survey for HDD		\$4,050	\$4,050	\$4,050
	Budget Revision 3 - Modeling for GSW/Woodlands Turnou		\$8,380	\$8,380	\$8,380
	Budget Revision 4 - Additional Survey Services		\$9,900	\$9,900	\$9,900
	Budget Revision 5 - Utility Investigation (Potholing)		--	--	\$8,883
	Budget Revision 6 - Additional Property Research		--	--	\$805
	Budget Revision 7 - PG&E Savings by Design support		--	--	\$4,164
	Budget Revision 8 - 60% Design Budget Update		--	--	\$140,872
24	Office Engineering during construction		\$175,837	\$175,837	\$175,837
25	Estimated Construction Management (3)	\$2,428,000 (2)	\$1,507,170 (10)	\$1,507,170 (10)	\$1,507,170 (10)
26	Permitting Fees To Date	--	\$1,573	\$1,573	\$6,173
27	Non-Final Design Funds Spent To Date	<i>not included</i>	<i>not included</i>	\$1,402,879 (12)	\$1,705,009 (12)(16)
28	Estimated Other Costs (Assessment, etc)	<i>not included</i>	<i>not included</i>	\$415,420 (12)	\$300,000 (12)(16)
29	Public Outreach	<i>not included</i>	<i>not included</i>	<i>not included</i>	\$76,000 (15)(17)
<b>WATERLINE PROJECT TOTAL (Rounded to 1000)</b>		<b>\$19,932,000 (4)</b>	<b>\$21,068,000</b>	<b>\$23,596,000</b>	<b>\$23,951,000</b>

Notes:

ENR CCI: March 2008 = 8109

- (1) Costs are from the December 2007 Water and Sewer Master Plan (Cannon).
  - (2) Engineering and Construction Management were originally presented as a "lump sum" amount
  - (3) Includes material testing, construction staking, and environmental monitoring
  - (4) Estimate only. Property allowance not included prior to April 2009 estimate.
  - (5) These work items were added to relieve high pressures on Mesa as an alternative to service pressure regulating valves (See Tech Memo 9). One PRV station at Maria Vista was required initially. Four are recommended for revised project. This was design Budget Revision #1.
  - (6) Based on review of record drawings, this pipeline is already a 10-in main
  - (7) Initial estimate incorporated Master Plan project costs. Revised estimate includes higher unit costs to reflect paving 1 traffic lane, per County standards
  - (8) Updated unit costs include higher costs to reflect paving 1 traffic lane, per County standards
  - (9) Contingency was modified to 25% which is more appropriate for concept design phase.
  - (10) To be provided by CM team - Has not been revised to reflect additional work for construction management of Oakqlen, Darby, and Orchard extensions.
  - (11) Contingency was modified to 20% which is more appropriate for 30% design phase.
  - (12) Estimate provided by District staff.
  - (13) Item added during 60% design for potential future pipe cleaning launch station. Cost for potential future receiving station was added to item #7 (pump static)
  - (14) Reduced at 12/9/2009 Board Meeting.
  - (15) Added to January 2010 cost opinion per District
  - (16) Estimate updated by District staff 4/21/10.
  - (17) Updated based on Board action on 3/24/10.
- not included* = Item was not included in previous construction cost opinions, but was added to provide a complete assessment of anticipated project costs.

8/18/2010

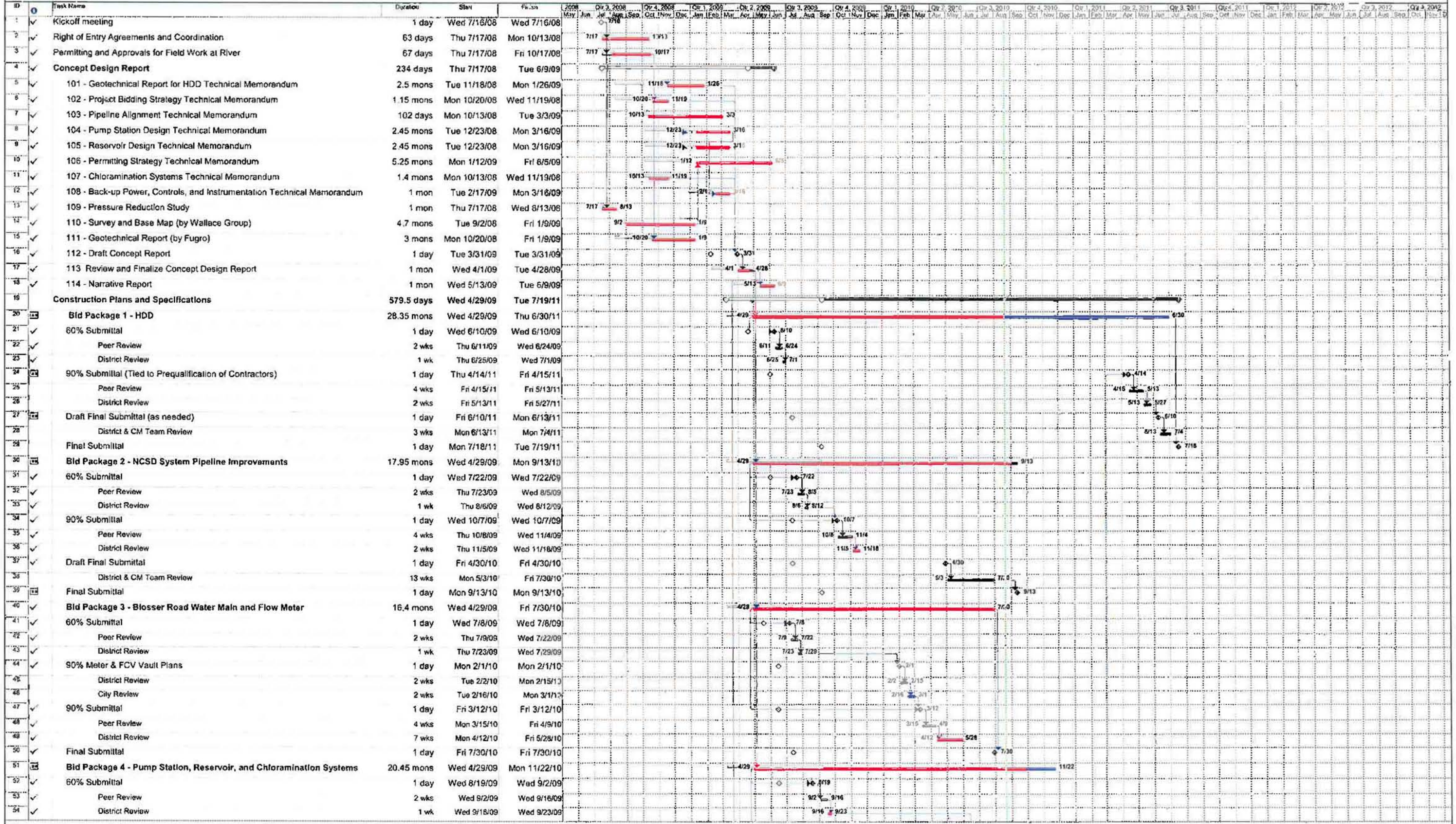
Engineering Services for NCSD - SWP Design

Nipomo CSD

	Total Budget	Amount Previously Invoiced	Current Invoice Amount	% of Budget Earned to date	% of Work Complete
Task Group 1 - Concept Design Report	\$441,553.65	\$441,553.65	\$0.00	100%	100%
Task Group 2 - Permitting	\$38,545.92	\$31,679.73	\$0.00	82%	82%
Task Group 3 - Construction Documents	\$442,933.43	\$444,666.11	\$0.00	100%	92%
Task Group 4 - Project Management	\$82,869.68	\$62,112.63	\$0.00	75%	75%
Task Group 5 - Assistance During Bids	\$48,942.36	\$0.00	\$0.00	0%	0%
Task Group 6 - Office Engineering During Construction (4 Bid Packages)	\$175,836.96	\$2,431.46	\$0.00	1%	1%
<b>Total</b>	<b>\$1,230,682.00</b>	<b>\$982,443.58</b>	<b>\$0.00</b>	<b>80%</b>	<b>77%</b>

	Amount Previously Invoiced	Current Invoice Amount	Total Permitting Fees to date
Permitting Fees	\$6,573.01	\$0.00	\$6,573.01

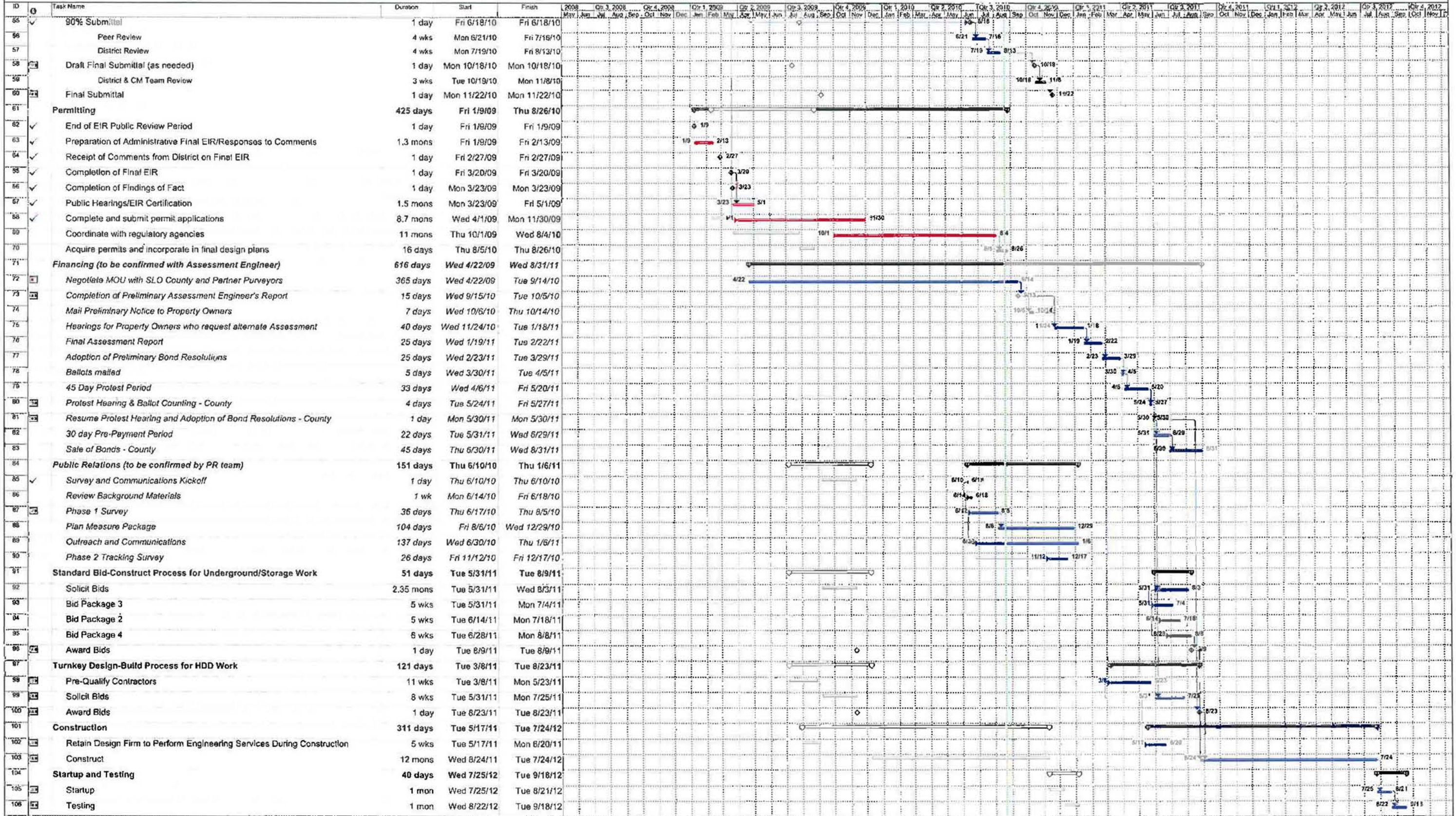




Project: WIP Design Schedule  
Date: Thu 8/19/10

Task	Progress	Baseline	Summary	Milestone	Baseline Milestone	Summary	Rolled Up Task	Rolled Up Milestone	Baseline Summary	Rolled Up Baseline	Rolled Up Baseline Milestone	Rolled Up Progress	Split	Baseline Split	External Tasks	Project Summary	Group By Summary	Deadline
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Project WIP Design Schedule Date: Thu 8/19/10

Task	Milestone	Rollup Task	Rollup Baseline	Split	Project Summary
Progress	Baseline Milestone	Rollup Milestone	Rollup Baseline Milestone	Baseline Split	Group By Summary
Baseline	Summary	Baseline Summary	Rollup Progress	External Tasks	Deadline



TO: BOARD OF DIRECTORS

FROM: DON SPAGNOLO  
GENERAL MANAGER



DATE: AUGUST 18, 2010

**AGENDA ITEM**

**C-2**

**AUGUST 25, 2010**

## **MONTHLY SUPERINTENDENT UPDATE**

### **ITEM**

NCSD Facilitates Superintendent Tina Grietens re Update recent Operations Activities [NO ACTION REQUESTED].

### **BACKGROUND**

Tina Grietens is scheduled to summarize the attached outline.

### **RECOMMENDATION**

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

### **ATTACHMENTS**

- Operations Report



# NIPOMO COMMUNITY



# SERVICES DISTRICT

## **BOARD MEMBERS**

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LARRY VIERHEILIG, VICE PRESIDENT  
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MIKE WINN, DIRECTOR  
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## **STAFF**

DON SPAGNOLO, P.E., GENERAL MANAGER  
LISA BOGNUDA, ASSISTANT GENERAL MANAGER  
JON SEITZ, GENERAL COUNSEL  
PETER SEVCIK, P.E., DISTRICT ENGINEER

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TO: DON SPAGNOLO, P.E., GENERAL MANAGER  
FROM: TINA GRIETENS, UTILITY SUPERINTENDENT TG  
DATE: AUGUST 19, 2010  
SUBJECT: UTILITY DIVISION UPDATE FOR JULY 21, 2010 – AUGUST 18, 2010

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### **Southland Wastewater Plant and Utility Yard**

- Utility equipment storage building permit issued
- Lab instrument and supplies received
- Sludge dredging contract and schedule pending
- Ripping/discing of percolation ponds completed
- Southland Effluent BOD in compliance; above limits for suspended solids

### **Collection system**

- Vac-Con: New nozzle purchased and utilized to clean sewer lines
- Training with City of SLO crew
- Jetting sewer lines, cleaning grease and rags from lift stations and treatment plants
- Replaced level transmitter in Juniper Lift Station

### **Distribution System**

- Level transducer installed in Sundale well
- Quad tank rehabilitation: Tank #2 online, Tank #1 drained, repairs in progress

### **Maintenance**

- Maintenance performed on Sundale well generator
- Schematic diagrams of well and lift station electrical panels complete
- Generator maintenance added to Preventive Maintenance Program
- Meter replacement, fire hydrant painting continuing

### **Compliance**

- Water distribution analyses in compliance for nitrates, trihalomethanes, halocetic acids, arsenic
- APCD inspection of standby generators, NCSD staff complimented on documentation procedures
- Report preparation for WWTPs, water distribution system

### **Training**

- All: CPR/First aid 7/22/10; Traffic Control 8/17/10; Defensive Driving 8/18/10
- Scott: Wastewater Analyses class 8/10/10
- Tina: Water Regulations and Water Conservation online classes 8/10 & 8/11/10

### **Other**

- Reviewed Southland Wastewater Facility Improvement Design, SCADA plans and specifications
- Working with District Engineer on District Projects