



# **SOUTH SAN LUIS OBISPO COUNTY SANITATION DISTRICT**

Post Office Box 339, Oceano, California 93475-0339

1600 Aloha Oceano, California 93445-9735

Telephone (805) 489-6666 FAX (805) 489-2765

[www.sslocsd.org](http://www.sslocsd.org)

## **AGENDA**

### **BOARD OF DIRECTORS Meeting**

1655 Front Street

Oceano, California 93445

**Wednesday, April 3, 2013 at 6:00 P.M.**

#### **Board Members**

Matthew Guerrero, Chair

Tony Ferrara, Vice Chair

Debbie Peterson, Director

#### **Agencies**

Oceano Community Services District

City of Arroyo Grande

City of Grover Beach

---

#### **1. CALL TO ORDER AND ROLL CALL**

#### **2. PUBLIC COMMENTS ON ITEMS NOT APPEARING ON AGENDA**

This public comment period is an invitation to members of the community to present comments, thoughts or suggestions on matters not scheduled on this agenda. Comments should be limited to those matters which are within the jurisdiction of the District. The Brown Act restricts the Board from taking formal action on matters not published on the agenda. In response to your comments, the Chair or presiding Board Member may:

- Direct Staff to assist or coordinate with you.
- It may be the desire of the Board to place your issue or matter on a future Board meeting agenda.

Please adhere to the following procedures when addressing the Board:

- Comments should be limited to three (3) minutes or less.
- Your comments should be directed to the Board as a whole and not directed to individual Board members.
- Slanderous, profane or personal remarks against any Board Member, Staff or member of the audience shall not be permitted.

#### **3. CONSENT AGENDA**

Any writing or document pertaining to an open-session item on this agenda which is distributed to a majority of the Board after the posting of this agenda will be available for public inspection at the time the subject writing or document is distributed. The writing or document will be available for public review in the offices of the Oceano CSD, a member agency located at 1655 Front Street, Oceano, California. Consistent with the Americans with Disabilities Act (ADA) and California Government Code §54954.2, requests for disability related modification or accommodation, including auxiliary aids or services may be made by a person with a disability who requires modification or accommodation in order to participate at the above referenced public meeting by contacting the General Manager or Bookkeeper/Secretary at (805) 481-6903.

The following routine items listed below are scheduled for consideration as a group. Each item is recommended for approval unless noted. Any member of the public who wishes to comment on any Consent Agenda item may do so at this time. Any Board Member may request that any item be withdrawn from the Consent Agenda to permit discussion or to change the recommended course of action. The Board may approve the remainder of the Consent Agenda on one motion.

**3A. Review and Approval of the Minutes of the March 20, 2013 meeting**

**3B. Review and Approval of Warrants**

**4. PLANT SUPERINTENDENT'S REPORT**

**5. BOARD ACTION ON INDIVIDUAL ITEMS:**

**A. FUNDING FOR PROCESS IMPROVEMENT 13A**

Staff recommends the Board redirect funding from Major Budget Item 12MBI02 to fund plant improvements

**6. MISCELLANEOUS ITEMS**

- a. Miscellaneous Oral Communications
- b. Miscellaneous Written Communications

**7. ADJOURNMENT**

## **SOUTH SAN LUIS OBISPO COUNTY SANITATION DISTRICT**

Oceano Community Services District  
1655 Front Street  
Oceano, CA 93445

Minutes of the Meeting of Wednesday, March 20, 2013  
6:00 P.M.

### **1. CALL TO ORDER AND ROLL CALL**

Present: Chair Matthew Guerrero, Oceano Community Services District; Vice Chair Tony Ferrara, City of Arroyo Grande; Director Debbie Peterson, City of Grover Beach.

District Staff in Attendance: Paul Karp, Interim General Manager; Mike Seitz, District Counsel; Bob Barlogio, Plant Superintendent; Matthew Haber, Bookkeeper/Secretary.

### **2. PUBLIC COMMENTS ON ITEMS NOT APPEARING ON THE AGENDA**

Director Guerrero asked for any public comments. There being none, Director Guerrero closed the public comment period.

### **3. CONSENT AGENDA**

Director Guerrero asked for public comments regarding the Consent Agenda. There being none, Director Guerrero closed the public comment period.

**Action:** It was moved by Director Peterson to approve Consent Agenda Items 3A through 3C, as presented. Director Ferrara seconded, and the motion was carried unanimously.

### **4. BOARD ACTION ON INDIVIDUAL ITEMS**

#### **A. FY 2012/13 SECOND QUARTER BUDGET REVIEW AND RESOLUTION NO. 2013-306 AMENDING THE BUDGET**

Interim General Manager Karp introduced Matthew Haber, Bookkeeper/Secretary, who presented the mid-year budget review.

Director Guerrero asked for public comment.

Ms. Mary Lucey of Oceano commented on the timing of the second-quarter review being done in March. She also asked about the District's reserves.

There being no more public comment, Director Guerrero closed the public comment period.

**Action:** It was moved by Director Ferrara to approve Resolution No. 2013-306 A RESOLUTION AMENDING THE FY 2012-2013 BUDGET AT MID YEAR. Director Peterson

seconded, and on the following roll call vote to wit:

AYES: Director Peterson, Director Ferrara, Director Guerrero

NOES: None

ABSENT: None;

the foregoing resolution was passed and adopted this 20<sup>th</sup> day of March 2013.

**B. CONSTRUCTION CONTRACT AWARD FOR TRUNK SEWER  
CLEANING AND VIDEO INSPECTION**

Interim General Manager Karp presented the staff recommendation that the Board reject the bids received for the Trunk Sewer Cleaning and Video Inspection project.

**Action:** It was moved by Director Guerrero to support Staff's recommendation. Director Peterson seconded, and the motion was carried unanimously.

**5. MISCELLANEOUS ITEMS**

- a. Miscellaneous Oral Communications
- b. Miscellaneous Written Communications

Interim General Manager Karp gave to the Directors copies of the letters which he had sent to the managers of the District's Member Agencies regarding the rotation of meetings. He also had copies of the letter which he had sent to Katie DiSimone at the Regional Water Board and a printout of the email correspondence between him and the Wallace Group regarding obtaining all the District's records from the Wallace Group.

**6. PUBLIC COMMENT ON CLOSED SESSION**

Director Guerrero asked for public comment. There being none, Director Guerrero closed the public comment period.

**7. CLOSED SESSION**

- (1) Conference with Legal Counsel pursuant to Government Code Section 54956.9; 2 cases
  - a. Mascolo v. SSLOCSD et al. (existing litigation) CV110676
  - b. Central Coast RWQCB vs. SSLOCSD et al. (pending litigation) ACLC No. R3-2012-0030

**8. RETURN TO OPEN SESSION; REPORT ON CLOSED SESSION**

Counsel Seitz reported that the Board had met in Closed Session but took no reportable action.

**9. ADJOURNMENT**

There being no further business to come before the Board, Director Guerrero adjourned the

There being no further business to come before the Board, Director Guerrero adjourned the meeting at approximately 7:30 p.m.

***THESE MINUTES ARE DRAFT AND NOT OFFICIAL UNTIL APPROVED BY THE BOARD OF DIRECTORS AT A SUBSEQUENT MEETING.***

SOUTH SAN LUIS OBISPO COUNTY SANITATION DISTRICT  
WARRANT REGISTER  
4/3/2013

ISSUED TO	PURCHASE/SERVICE	INV. # / SERVICE PERIOD	WARRANT NO.	ACCT	ACCT BRKDN	TOTAL
A-1 CONCRETE	WALL CONSTRUCTION	3/11/2013	040313-7496	8060	9,600.00	9,600.00
ABBA EMPLOYER SERVICES	CONTRACT LABOR	18681 18708	97	6085	2,616.68	2,616.68
ARAMARK UNIFORMS	EMPLOYEE UNIFORMS	7735143 7751923	98	7025	481.58	481.58
BOARD OF EQUALIZATION (ON-LINE PAYMENT)	USE TAX ON OUT-OF-STATE PURCHASES	2012	99	8030	490.54	1,281.59
		06 MBI 13		26/8065	274.92	
		11 MBI 08		26/8065	516.13	
BRENNTAG PACIFIC, INC	PLANT CHEMICALS	290075	7500	8050	5,580.54	5,580.54
CA ELECTRIC SUPPLY	ELEC SYS UPGRADE 04 MBI 16	516957 518208 518602 518838	7501	26/8065	1,728.56	1,728.56
		519741 519083 519914				
CENTRAL COAST MACHINING, INC.	PLATE MACHINING	25215 09 MBI 01	7502	26/8061	210.00	210.00
CHARTER	INTERNET SERVICE	APRIL	7503	7011	59.99	59.99
CHEMSEARCH	LUBRICANT	1028779	4	8020	510.67	510.67
DEBBIE PETERSON	BOARD SERVICE	MARCH	5	7075	200.00	200.00
DOWNEY BRAND LLP	LEGAL SERVICES	446310	6	7070	311.30	311.30
FEDEX	SHIPPING	2-178-36943 2-185-92999	7	8045	67.31	67.31
FGL ENVIRONMENTAL	CHEMICAL ANALYSIS	380684A 380747A 380753A	8	7078	420.00	420.00
		380781A 380813A				
FISHER SCIENTIFIC	LAB SUPPLIES	7577597	9	8040	42.42	42.42
HAMON OVERHEAD DOOR COMPANY	FFR DOOR REPLACEMENT	55309	10	8060	1,021.89	1,021.89
I.I. SUPPLY	MISC SUPPLIES	17956	11	8060	102.37	102.37
JB DEWAR INC	VEHICLE FUEL	24275	12	8020	272.33	272.33
JWC ENVIRONMENTAL	MISC SUPPLIES	51338 51356	13	8030	738.09	738.09
KATHLEEN WEBER	TECHNICAL WRITING SERVICE	3/20/2013	14	7079	40.00	40.00
KEMIRA	FERRIC CHLORIDE	9017325274	15	8050	7,169.73	7,169.73
MATTHEW GUERRERO	BOARD SERVICE	MARCH	16	7075	200.00	200.00
MATTHEW HABER	HOTEL REIMB AND PER DIEM	SDRMA ANNUAL MEETING/SAFETY EDUCATION	17	7050	295.88	295.88
McMASTER CARR	MISC SUPPLIES	44279966 47947765 48346673 48346674	18	8060	420.97	420.97
OFFICE DEPOT	OFFICE SUPPLIES	MARCH	19	8045	64.35	64.35
PAUL KARP	ADMINISTRATIVE SERVICES	3/21/13 TO 4/3/13	20	7076	1,750.00	1,750.00
PC MECHANICAL INC	PUMP ALIGNMENT	30015 06 MBI 13	21	26/8065	2,520.00	2,520.00
PRAXAIR	MISC SUPPLIES	45548261	22	8060	77.39	77.39
ROYAL WHOLESALE ELECTRIC	ELECTRICAL WIRING	7842-417377 04 MBI 16	23	26/8065	884.94	884.94
STANLEY SECURITY	SECURITY - APRIL	10044755	24	7011	62.20	62.20
STATE FUND COMPENSATION	WORKERS' COMP PREMIUM	APRIL	25	6080	10,391.75	10,391.75
TEKTEGRITY	MANAGED IT SERVICE - APRIL	25837-113	26	7015	346.50	346.50
TITAN INDUSTRIAL	MISC SUPPLIES	1053385 1053504	27	8060	360.79	360.79
TONY FERRARA	BOARD SERVICE	MARCH	28	7075	200.00	200.00
WATER SPECIALTY CONSULTING SERVICES	CONSULTING SERVICES	INVOICE #1	29	7077	16,200.00	16,200.00
WEST COAST INDUSTRIAL	MISC SUPPLIES	28965 29142 29151 29223	30	8060	299.56	299.56
WW GRAINGER	SAFETY SUPPLIES	9087774205 9098655419	31	8056	467.16	467.16
SUB TOTAL					66,996.54	66,996.54
PAYROLL	PPE 03/22/2013				20,977.66	20,977.66
GRAND TOTAL					87,974.20	87,974.20

We hereby certify that the demands numbered serially from 040313-7496 to 040313-7531 together with the supporting evidence have been examined, and that they comply with the requirements of the SOUTH SAN LUIS OBISPO COUNTY SANITATION DISTRICT. The demands are hereby approved by motion of the SOUTH SAN LUIS OBISPO COUNTY SANITATION DISTRICT, together with warrants authorizing and ordering the issuance of checks numbered identically with the particular demands and warrants.

BOARD OF DIRECTORS:

DATE: \_\_\_\_\_

\_\_\_\_\_  
Chairman

\_\_\_\_\_  
Board Member

\_\_\_\_\_  
Board Member

\_\_\_\_\_  
Secretary



## **SOUTH SAN LUIS OBISPO COUNTY SANITATION DISTRICT**

Post Office Box 339, Oceano, California 93475-0339

1600 Aloha Oceano, California 93445-9735

Telephone (805) 489-6666 FAX (805) 489-2765

<http://www.sslocsd.org/>

---

To: Board of Directors  
From: Bob Barlogio, Plant Superintendent  
Via: Paul Karp, interim District Administrator  
Date: April 3, 2013

Subject: Superintendent's Report

For up to March 28, 2013, the numbers are as follows:

Average daily flow is 2.51 million gallons per day

Average chlorine use is 292 gallons per day

BOD in 311 mg/l, out 23 mg/l

TSS in 406 mg/l, out 25 mg/l

We had a high fecal coliform on March 16, 2013. Staff believes because of a gasket leak at the chlorine flash mixer that the dosing of chlorine was intermittent. Staff replaced the gasket and the results have dropped back to normal. To prevent this from occurring again, staff will place on a work order to replace the gasket on a monthly basis. Staff sampled the ocean and sent the results to our Water Board contact person, Katie DiSimone.

During the month of March, staff accomplished the following:

Replaced the valves on #2 influent pump.

Assemble # 1 FFR pump. Installed anchors in the ceiling above the # 1 FFR to facilitate replacing the valves and pump.

Installation of a stand by chlorination system in the event of low chlorine residual, the unit will add more bleach. Staff has not completed the project but is getting close.

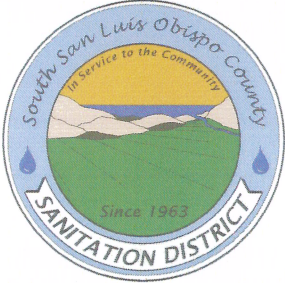
Installation of the stand by de-chlorination system. In the event the chlorine analyzer detects a chlorine residual on the final effluent, a pump will activate and add more bisulfite.

We are getting ready to conduct the annual sampling during the month of April. This involves sample containers and several 24 hour composite samplings.

Staff has met with the Sweeneys several times and have reviewed some suggestions. Staff is in the process of implementing some of these suggestions, one at a time, to see how the plant reacts

to the changes. I believe that the changes that are recommended will benefit the plant and improve the discharge.





## SOUTH SAN LUIS OBISPO COUNTY SANITATION DISTRICT

Post Office Box 339, Oceano, California 93475-0339

1600 Aloha Oceano, California 93445-9735

Telephone (805) 489-6666 FAX (805) 489-2765

[www.sslocsd.org](http://www.sslocsd.org)

**TO:** Board of Directors  
**FROM:** Paul J. Karp, *Interim General Manager*  
**DATE:** April 3, 2013

**Subject:** Funding for Process Improvement 13A

### **Recommendation:**

Staff recommends that funding be redirected from 12MBI02, Permanent Recirculating Piping, to implement the following plant improvements to be labeled 13MBIxxx, Process Improvement 13A.

### **Funding:**

Major Budget Item 12MBI02 was conceived to address low dissolved oxygen levels in the primary clarifiers during periods of low flow. Staff tested a temporary, 200-foot above ground bypass solution that seems to have addressed this issue. Major Budget Item 12MBI02 appropriated \$45,000 in account 19-8061 for the design and construction of a permanent underground bypass system to replace this temporary line.

While the originally proposed project would resolve one plant issue of low oxygen demand in the primary system, a modified project could address the low dissolved oxygen levels, as well as address insufficient flows to the fixed film reactor, providing the potential to substantially reduce chemical use at the plant, and offer a greater level of control and flexibility to maximize treatment effectiveness. This revised project would install a pump and variable speed drive to direct a portion of final clarifier effluent to the splitter box, upstream of the primary clarifiers, as well as make repairs, if necessary, to the thickener.

Costs for the individual elements required to implement the process change are listed below:

2,000 GPM pump and 30 HP electric motor:	\$ 7,000
PLC and related miscellaneous parts for control:	\$ 2,000
Variable frequency drive for pump motor:	\$10,000
60 feet 10-inch ductile iron pipe:	\$ 6,000
20-inch and 8-inch gate valves:	\$ 7,000
Miscellaneous mechanical parts:	\$ 1,000
Miscellaneous electrical parts:	\$ 1,000
Replace thickener valves	\$ 4,000
New motor for thickener progressive cavity pump:	\$ 5,000
As-built drawings:	<u>\$ 2,000</u>
Total estimated project cost:	\$45,000

Staff is well equipped and willing to install the proposed system in-house, which substantially reduces the cost of the project.

**Discussion:**

The wastewater treatment process was designed as a biological system. Biological treatment requires that the biota (bugs) have the appropriate amount of water, food, air and nutrients to reproduce. If any of these elements are missing, the bugs cannot grow, or the wrong bugs will grow, and the wastewater cannot be effectively treated. Several factors at the plant affect the balance of the elements necessary for effective treatment. These factors are listed below:

- Low dissolved oxygen in the primary clarifiers during low flow limits the primary system's ability to reduce biological oxygen demand (BOD) concentrations to levels acceptable for secondary treatment.
- The current practice that uses ferric chloride as a coagulant in the primary system to help reduce BOD to acceptable limits for the secondary process likely reduces phosphorus and alkalinity in the primary clarifier effluent. This practice probably limits the growth of favorable biota and nitrifying bacteria in the fixed film reactor (FFR). Samples have been collected to test this theory.
- Low nighttime flows, with limited ability to recycle, starve/suffocate the biological mass growing in the FFR. This condition encourages filter flies and creates the need to flush the FFR on a weekly basis.
- Weekly shock flushing of the FFR to remove the filter flies prevents the growth of nitrifying bacteria (nitrifiers). It then takes up to two weeks to re-grow the nitrifiers. Nitrifiers convert ammonia to nitrate. Wastewater that has had its ammonia fully converted to nitrate can be more effectively disinfected using lower concentrations of chlorine.

Most of these factors have been identified and tested individually to some degree in the past. To create an improved process overall, however, each of the factors must be concurrently addressed and adjusted to optimize the biological treatment for the environmental conditions present at the time of application.

This proposed solution involves installing a pump on an existing line protruding from the sidewall of the final clarifier, and connecting it to an existing 8-inch line that terminates at the thickener return flow line. Adding a valve upstream of this connection maintains the function of the thickener return line, while repurposing the existing eight-inch line to the proposed recycle system. Upstream of this valve, the eight-inch line will be extended an extra 60 feet to the splitter box primary system bypass line. A 20-inch street gate valve will be installed on the splitter box primary bypass line downstream of this connection so that the pumped recycle is directed to the splitter box, rather than to the secondary system. The new pump will operate on a variable frequency drive (VFD) that takes an input signal from the influent flowmeter. The VFD will adjust the pump output so that the pump flow plus the plant's influent flow combine to add up to a minimum process flow rate of 3.5 MGD. This quantity of wastewater is the minimum flow needed to feed the bugs in the FFR on a 24-7 basis. When the influent flow exceeds this minimum process flow, the recycle pump will turn off.

Plant operators have been instrumental in helping to formulate this plan in the following ways:

- Gathering documents and drawings;

- Collecting water samples for analysis;
- Sharing past experiences and observations;
- Through testing they determined the minimum flow to the FFR that is necessary to maintain adequate amount of flow to the arms so that pump and associated motor and variable speed drive costs can be minimized; and
- By providing input on the plan throughout the conceptual phase, all of the plant operators feel comfortable with implementation of this proposal.

This proposal has also been discussed conceptually with Regional Water Quality Control Board staff. It is understood both by plant staff and Regional Board staff that implementing this plan will cause a major shock to the treatment process while the undesirable bugs die off and the favorable bugs establish themselves on the FFR. As a result, effluent water quality will not be desirable during this transition phase.