



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

AGENDA

BOARD OF DIRECTORS MEETING

City of Arroyo Grande, City Council Chambers

215 East Branch Street

Arroyo Grande, California 93420

Wednesday, October 07, 2015 at 6:00 P.M.

Board Members

Jim Hill, Chair

John Shoals, Vice Chair

Matthew Guerrero, Director

Agencies

City of Arroyo Grande

City of Grover Beach

Oceano Community Services District

Alternate Board Members

Mary Lucey, Director

Tim Brown, Director

Barbara Nicolls, Director

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.

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 District Manager or Bookkeeper/Secretary at (805) 481-6903.

3. CONSENT AGENDA:

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 Minutes of Special Meeting August 13, 2015

3B. Review and Approval of Minutes of Meeting of September 2, 2015

3C. Review and Approval of Minutes of Meeting of September 16, 2015

3D. Review and Approval of Warrants

4. PLANT SUPERINTENDENT'S REPORT

5. BOARD ACTION ON INDIVIDUAL ITEMS:

5A. Review and Approve the Continuing Emergency Action to Repair the Influent Pipeline

Staff recommends that the Board of Directors receive and file the information in this final Staff Report on the Emergency Action to Repair the Pipeline from the Headworks to the Primary Clarifier at the WWTP.

5B. Preliminary Design Report Presentation

Staff recommends that the Board review the attached Preliminary Design Report and approve the development and issuance of a Request for Proposal for a Grit Removal System.

5C. Adoption of a Resolution pledging to follow best practices of civility and civil discourse in all meetings

Staff recommends that the Board adopt a Resolution pledging to follow best practices of civility and civil discourse in all meetings.

6. MISCELLANEOUS ITEMS

6A. Miscellaneous Oral Communications

6B. Miscellaneous Written Communications

7. PUBLIC COMMENT ON CLOSED SESSION

8. CLOSED SESSION

CONFERENCE WITH LEGAL COUNSEL—EXISTING LITIGATION

Conference with legal counsel regarding existing litigation pursuant to paragraph (1) of subdivision (d) of section 54956.9 of the Government Code (two cases).

South San Luis Obispo County Sanitation District v. State Water Resources Control Board (Superior Court of Sacramento) Case Number 34-2012-80001209-CU-WM-GDS)

South San Luis Obispo County Sanitation District v. Special District Risk Management Authority (County of San Luis Obispo Superior Court) Case Number CV130473

PUBLIC EMPLOYEE APPOINTMENT (pursuant to Gov. Code section 54957(b)(1))

Title: District Legal Counsel

9. RETURN TO OPEN SESSION; REPORT ON CLOSED SESSION

10. ADJOURNMENT

SOUTH SAN LUIS OBISPO COUNTY SANITATION DISTRICT

City of Arroyo Grande, City Council Chambers
215 East Branch Street
Arroyo Grande, California 93420

Minutes of the Special Meeting of Thursday August 13, 2015
3:45 P.M.

1. CALL TO ORDER AND ROLL CALL

Present: Chairman Jim Hill, City of Arroyo Grande; Alternate Barbra Nicolls, City of Grover Beach; Director Matthew Guerrero, Oceano Community Services District

District Staff in Attendance: Richard Sweet, District Manager; John Clemons, Plant Superintendent; Amy Simpson, District Bookkeeper/Secretary.

Chairman Hill took the Closed Session out of order and placed it first on the agenda.

2. PUBLIC COMMENTS ON CLOSED SESSION

Chairman Hill opened the public comment on Closed Session Item.

Debbie Peterson did a review of the reorganization of the District that took place in 2013. She hopes that the Board will be able to take us to accomplishing redundancy with the next District Administrator. She believes a full time Administrator would take us back to where we were before the reorganization. She asks that the Board to rethink hiring a full time Administrator and look at using the resources that are already available to the District and possibly bring in someone underneath the licensed Superintendent to support him to help him with his job.

Julie Tacker, Patty Welsh April McLaughlin are upset about the time of the meeting and encourage the Board to accept the Letter of Resignation from Richard Sweet.

Beatrice Spencer suggests using Mr. Clemons as an Interim District Administrator.

3. CLOSED SESSION:

PUBLIC EMPLOYEE RESIGNATION (pursuant to Government Code section 54957(b)(1)).

4. RETURN TO OPEN SESSION; REPORT ON CLOSED SESSION

ACTION: The Board met in closed session and has voted to accept the resignation of the General Manager effective September 11. He will continue in his position at that time to continue his service to the District.

5. PUBLIC COMMENT ON ITEM 3A

3A. CONSIDERATION OF PREPARATION OF RFP FOR DISTRICT MANAGER POSITION

Staff recommends that the Board (1) discuss the District's approach to filling the General Manager position, (2) direct staff to prepare an RFP for immediate release,

Draft minutes of SSLOCSD Special Meeting of August 13, 2015

(3) identify potential interim General Managers, and (4) take whatever other appropriate actions necessary to ensure that the General Manager position is timely filled.

Chairman Hill asked for public comment on this item.

Julie Tacker recommends a job posting not an RFP. She feels Mr. Clemons is ideal to step in for the Interim position while the Board take their time to fill the position of District Administrator.

The Board voted to place this item on the agenda of the next regular meeting of August 19, 2015.

6. ADJOURNMENT

There being no further business to come before the Board, Vice-Chair Shoals adjourned the meeting at approximately 4:30p.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

City of Arroyo Grande, City Council Chambers
215 East Branch Street
Arroyo Grande, California 93420

Minutes of the Meeting of Wednesday September 02, 2015
6:00 P.M.

1. CALL TO ORDER AND ROLL CALL

Present: Chairman Jim Hill, City of Arroyo Grande; Director John Shoals, City of Grover Beach; Director Matthew Guerrero, Oceano Community Services District;

District Staff in Attendance: Rick Sweet, District Manager; Dylan Johnson, Interim District Counsel; John Clemons, Plant Superintendent; Amy Simpson, Bookkeeper/Secretary

2. PUBLIC COMMENTS ON ITEMS NOT APPEARING ON THE AGENDA

Chairman Hill opened the public comment period.

Debbie Peterson announced that EcoSlo will have a beach cleanup September 19.

Patty Welsh and Beatrice Spencer are disappointed in the Alternates for not extending the Knudson request at the last meeting.

Tim Brown asks that the Board recognize that “they have different fiduciary duties for different Boards.”

3. CONSENT AGENDA

3A. Review and Approval of Minutes of August 19, 2015

3B. Review and Approval of Warrants

Julie Tacker, Beatrice Spencer, Tim Brown and Patty Welsh have concerns with District Administrator Rick Sweets warrant.

- **Action:** Approved the warrants as presented by roll call vote.

Chairman Hill asked staff to look into and verify the requirements for Oath of Office and if required, make sure that the District complies. He also asked to staff to make sure to account for expenses in correct fiscal year.

- **Action:** The Minutes were approved 2-1 after Director Guerrero conferred with Alternate Lucey. Director Shoals abstained.

4. PLANT SUPERINTENDENT’S REPORT

- **Action:** The Board received and filed the Plant Superintendent’s report.

5. BOARD ACTION ON INDIVIDUAL ITEMS:

5A. Review and Approve the Continuing Emergency Action to Repair the Influent Pipeline

The Board reviewed and approved continuing emergency action, in conformance with Public Contracts Code Section 22050, to repair the influent pipeline.

- **Action:** Approved unanimously by roll call vote.

5B. Report of Estimated Costs and Project Schedule for the Redundancy Project by MKN Associates

The Board heard a report from MKN Associates.

Joe Schacker and Julie Tacker commented on the MKN report.

The Board encouraged staff to contact Coastal Commission to maintain a good positive relationship.

Director Shoals made a motion to approve the report of estimated costs and project schedule by MKN Associates for the Redundancy Project and directed staff to contact the Coastal Commission.

- **Action:** Approve unanimously by roll call vote.

5C. Status Report and Request for Additional Resources by Carl Knudsen Associates for Review of Past Management Practices

This item was continued from the Board Meeting of August 19, 2015.

Patty Welsh, Andrea Seastrand, John Mack, Julie Tacker, Tim Brown, Sharon Brown, Beatrice Spencer, Marc London, Leanne Aikens, Debbie Peterson, April McLaughlin, Patricia Price and Colin Wigglesworth all would like the Board to continue with the Knudson investigation.

- **Action:** Approved unanimously by roll call vote.

5D. Appointment of Interim District Administrator

The Board discussed offering a proposal to appoint the present Plant Superintendent, John Clemons, to the position of Acting General Manager at a pay increase commensurate with this proposal.

Leanne Aikens, Mike Arias, Tim Brown, Sharon Brown, Patty Welsh, John Mack, Julie Tacker and Patricia Price are all in support of Mr. Clemons as Interim District Administrator.

Chairman Hill made a motion to offer the position of Interim District Administrator to Mr. Clemons subject to his ability to return to current position at his choosing and at the completion of his temporary acting position with a 10% increase in compensation.

This would be effective at the close of business Friday September 11, 2015.

Director Shoals seconded the motion.

- **Action:** Approved by roll call vote.

Roll call vote:

Guerrero	No
Hill	Yes
Shoals	Yes

5E. Consideration of Preparation of RFP for District Manager's Position

The Board had a brief discussion of the projects and roles that they expect of the next District Administrator.

Nancy McNeill has concerns with the timeline for Interim Administrator. Tim Brown and Patty Welsh recommend hiring a headhunter. Sharon Brown asked what skills the candidate should have and would like to use a headhunter. Mary Lucey would like someone actively involved in IRWM process. She recommends considering Jim Garing, Cannon Company, Brad Hackman, and Mike Nunley for potential candidates. John Mack does not recommend using an engineer company. Julie Tacker recommends a public administrator part time and thinks a headhunter could help. Lean Aikens suggests taking time to find quality candidates. John Carter recommends directing Rick Sweet to outline the qualifications needed and create a job posting.

Director Guerrero

- In favor of using headhunter
- Ask staff to bring the job description back at the next meeting.
- May require some budget work to create position in the budget.

Director Shoals considers these key items

- Full time Administrator, not a contractor
- Give staff direction to write job description and qualifications,
- Ok with use of a headhunter,
- Fill this job prior to December 31.

Chairman Hill considers these 4 key items

- Industrial Safety
- Plant reliability
- Plant redundancy
- Cost effectiveness

What we want in candidate

- Administer project managers
- Rate studies and rate elections
- Familiar with budget and finance
- Excellent oral and written skills to prepare agendas and staff reports.

Also agrees with the use of a Headhunter.

A motion was made to direct staff to hire a full time District Administrator, and employ services of Head hunter and Lara Personnel Services to assist in that.

- **Action:** Approved unanimously by roll call vote.

5F. Consideration of Options and Agreement with Oceano Community Services District (OCSD) for Provision of Billing Services

The Board reviewed billing options and approved an agreement with OCSD for billing services.

Beatrice Spencer, Sharon Brown, Lean, John Mack, Nancy Mc Neil, Julie Tacker, April McLaughlin, Patty Price, Lin Hill, Patty Welsh, all gave public comment.

Chairman Hill would like to have all three agency Finance Directors work together to create a formula that is equal before he makes a decision on a way to handle this in the future. Common understanding of the differences amongst agency billing formulas be discussed. This agreement would be put in the form of an agreement.

Director Guerrero feels it is not a good policy decision to not bill or go forward without a billing plan or agreement. There are multiple projects that require the up to date financial documents and financial security of this District. Feels that if this Board goes forward without a billing agreement he believes that they may be jeopardizing the ability to collect in the future. These revenues may be lost and it is a bad policy decision. Sixty days is the billing cycle, it can be cancelled at any particular billing cycle and he feels that the Board should go forth with the billing agreement as proposed in the staff recommendation.

Director Shoals made a motion to approve short term agreement for billing services with Oceano Community Services District and also direct staff to engage a private billing service and that they get them on board as soon as possible, that way there is no gap in time. Clarification is that the billing service would be for all three entities.

- **Action:** Approved by roll call vote.

Roll Call Vote:

Shoals	Yes
Guerrero	Yes
Hill	No

7. PUBLIC COMMENT ON CLOSED SESSION

8. CLOSED SESSION

9. RETURN TO OPEN SESSION; REPORT ON CLOSED SESSION

The Board met and did heard a report from interim legal counsel but took no reportable action.

10. ADJOURNMENT

There being no further business to come before the Board, Director Hill adjourned the meeting at approximately 10:55p.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

City of Arroyo Grande, City Council Chambers
215 East Branch Street
Arroyo Grande, California 93420

Minutes of the Meeting of Wednesday September 16, 2015
6:00 P.M.

1. CALL TO ORDER AND ROLL CALL

Present: Chairman Jim Hill, City of Arroyo Grande; Director John Shoals, City of Grover Beach; Director Matthew Guerrero, Oceano Community Services District;

District Staff in Attendance: Interim District Administrator/Plant Superintendent, John Clemons; Jenna Shoaf, Interim District Counsel; District Bookkeeper/Secretary, Amy Simpson

2. PUBLIC COMMENTS ON ITEMS NOT APPEARING ON THE AGENDA

Julie Tacker gave comment on MKN, Coastal Commission, and the rate study.
Debbie Peterson, Beatrice Spencer and Patty Welsh all commented on Public Record Requests.

Tim Brown and Patricia Price are in favor of a five member Board of Directors.

Chairman Hill stated that a five member Board would require legislation at the state level.

3. SPECIAL PRESENTATIONS

The Board recognized Trinidad Rodriguez for his service to the District with Resolution 2015-332.

League of Women Voters of SLO County gave a presentation on Civil Discourse.

Marguerite Bader, President and Sharon Kimball, 1st Vice President, presented background on the League of Women Voters and its mission to promote civil discourse.

Director Guerrero asked that staff bring the Resolution back at the next meeting.

3. CONSENT AGENDA

3C. Review and Approval of Warrants

Tim Brown, Beatrice Spencer, Patty Welsh, Sharon Brown, Debbie Peterson and Julie Tacker all commented on the warrants.

Jenna Shoaf clarified that Seitz is still working on a personnel related matter. Chairman Hill noted that Seitz is still handling litigation with the state and was retained until the District engages in permanent legal counsel.

John Clemons clarified that MKN bill covers 3 different projects.

- Bar Screen
- Redundancy
- Grit Removal

Director Shoals noted in regards to interim legal counsel bill, that it is not uncommon to use legal counsel to assist in Public Record Acts Requests.

Director Guerrero noted in regards to OCSD warrant, that the wrong contract was attached to the last Board pack when the motion was made. The intent was to pay for both of the services.

Action: Motion approved unanimously by roll call vote.

5. PLANT SUPERINTENDENT'S REPORT

6. BOARD ACTION ON INDIVIDUAL ITEMS:

6A. Review and Approve the Continuing Emergency Action to Repair the Influent Pipeline

The Board reviewed and approved continuing emergency action, in conformance with Public Contracts Code Section 22050, to repair the influent pipeline and make the following findings:

1. That the emergency action will not permit a delay resulting from a competitive solicitation for bids, and
2. That the action is necessary to respond to the emergency.

Action: Approved unanimously by roll call vote as recommended.

6B. Approval of District Manager's Job Description

Alicia Lara was available to answer questions.

Tim Brown, Ron Holt, Julie Tacker, Debbie Peterson, and Sharon Brown gave public comment.

Director Shoals made a motion to adopt Attachment A, "Employment Standards for a full time District Administrator" and Attachment C, "Amendments to Personnel Policy Manual Chapter Seven, Section 7000". Develop salary range with the help of a recruitment firm. Approve modification of resolution.

Action: Approved unanimously by roll call vote.

6C. Approval of Contract with Interim District Administrator John Clemons

The Board reviewed Interim District Administrator John Clemons contract.

- Board directed staff to stay consistent with the terminology going forward.

Director Shoals made a motion to table approval of contract for 2 weeks. Mr. Clemons will have a start date of September 11, 2015 for this position.

Julie Tacker asks that correct terminology be used. Patty Welsh requests not paying Seitz.

6D. Review and Approval of Request for Professional Services for Recruitment of District Manager

The Board reviewed and approved RFP for an executive search firm to provide consultant services to coordinate the District Manager recruitment and directed RFP be issued and posted.

Sharon Brown and Beatrice Spencer gave public comment.

Alicia Lara feels comfortable looking at the proposals with Mr. Clemons, assess them and make a recommendation to the Board with a recommendation and contract to the Board in a public meeting.

Director Shoals made a motion to

- approve for issuance a request for proposals for an executive search firm to provide consultant series to coordinate the District Administrator recruitment and selection process
- Use up to \$30,000 for recruitment fund
- Have Mr. Clemons and Mrs. Lara interview and recommend a consultant after proposals are received.
- Bring recommendation and contract back to the Board
- The Board will authorize District Chair to execute the contract.

Action: Motion approved unanimously by roll call vote.

6E. Review of Proposal for Agency Billing

The Board had a discussion about the proposal from InfoSend, for consideration of an outside billing agency. The proposal included only one portion of the process of distributing bills. The actual cost will be an additional \$40,000.

Action: Table this item to future meeting and provide staff direction to look for more proposals.

Debbie Peterson, Beatrice Spencer, Sharon Brown, Julie Tacker, Patty Welsh, and Patricia Price all gave public comment.

6F. Review and Approval of County Auditor Recommendation for a Budget Adjustment.

The Board reviewed and approved the proposed budget adjustments in conformance with the general recommendation of the County Auditor as written.

Action: Approved unanimously by roll call vote.

7. PUBLIC COMMENT ON CLOSED SESSION

8. CLOSED SESSION

9. RETURN TO OPEN SESSION; REPORT ON CLOSED SESSION

CONFERENCE WITH LEGAL COUNSEL—EXISTING LITIGATION

Conference with legal counsel regarding existing litigation pursuant to paragraph (1) of subdivision (d) of section 54956.9 of the Government Code (two cases).

*South San Luis Obispo County Sanitation District v. State Water Resources Control Board
(Superior Court of Sacramento) Case Number 34-2012-80001209-CU-WM-GDS)*

*South San Luis Obispo County Sanitation District v. Special District Risk Management Authority
(County of San Luis Obispo Superior Court) Case Number CV130473*

- **Action:** The Board met and heard a report from Legal Counsel but took no reportable action.

PUBLIC EMPLOYEE APPOINTMENT (pursuant to Gov. Code section 54957(b)(1))

Title: District Legal Counsel

- **Action:** The Board has identified 3 potential candidates for District legal Counsel that they will invite for interviews.

12. ADJOURNMENT

There being no further business to come before the Board, Director Hill adjourned the meeting at approximately 11:15p.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
10/07/2015 FY 2015/16

VENDOR	BUDGET LINE ITEM	REFERENCE	WARRANT NO.	ACCT	ACCT BRKDN	TOTAL
AGP VIDEO	VIDEO FOR FUTURE MEETINGS	6336	100715-9776	7080	1,415.00	1,415.00
AMY SIMPSON	MEMBERSHIPS/TRAININGS/SEMINARS	CSDA, CALPERS	77	7050	228.00	228.00
ARAMARK	UNIFORMS	09/18 09/25 10/02	78	7025	828.05	828.05
AUTOSYS, INC.	EQUIPMENT MAINTENANCE	DIGESTER SUMP	79	8030	5,330.00	10,175.00
	CAPITAL EQUIPMENT	CENTRIFUGE FEED PUMP		26-8010	2,185.00	
	SCADA	SCADA		20-8010	2,660.00	
BRENNTAG	PLANT CHEMICALS	BPI562807	80	8050	4,463.93	4,463.93
BRISCO MILL & LUMBER YARD	SAFETY SUPPLIES	162496	81	7056	32.38	32.38
CARQUEST	AUTOMOTIVE	7314-804314	82	8032	21.04	21.04
CHARTER	COMMUNICATIONS	OCTOBER	83	7013	293.29	293.29
DAILY JOURNAL CORP	ADVERTISING	LEGAL RFP	84	7005	47.65	47.65
DIGITAL MENTOR, INC.	INFO TRUCK	20187	85	26-8065	5,117.51	5,117.51
DOCTORS MED PLUS	SAFETY SUPPLIES	DE LEON	86	8056	235.00	235.00
DOWNEY BRAND	LITIGATION	486301	87	7070	1,585.00	1,585.00
ENGEL & GRAY, INC.	SOLIDS HANDLING	76032	88	7085	5,071.31	5,071.31
FASTENAL	SAFETY SUPPLIES	CAS1414179 CAS1414055	89	8056	166.40	166.40
FEDEX	CHEMICAL ANALYSIS	5-156-71625	90	7078	50.73	50.73
FLUID RESOURCE MANAGEMENT	INFLUENT PIPELINE REPLACEMENT	W13456	91	20-8015	2,827.50	2,827.50
GORDON SAND CO.	BIOSOLIDS	0623806	92	7085	1,074.13	1,074.13
HERTZ	EQUIPMENT RENTAL	CRANE/TRUCK/17TON/DSL/SINGLE AXLE	93	20-8015	955.72	955.72
JB DEWAR	FUEL	97179	94	8020	534.08	534.08
JIM HILL	BOARD SERVICE	3 SEPTEMBER MEETINGS	95	7075	300.00	300.00
JOHN SHOALS	BOARD SERVICE	3 SEPTEMBER MEETINGS	96	7075	300.00	300.00
JOHN CLEMONS	INTERIM DISTRICT ADMINISTRATOR	9/18, 9/25, 10/2	97	7076	576.00	576.00
MARC LEWIS	MEDICAL REIMBURSEMENT	FY 15/16	98	6075	15.00	15.00
MARY LUCEY	BOARD SERVICE	SPECIAL MEETING	99	7075	100.00	100.00
MATTHEW, GUERRERO	BOARD SERVICE	SEPTEMBER	00	7075	200.00	200.00
MICHAEL K. NUNLEY & ASSOC., INC.	HEADWORKS IMPROVEMENTS	1200	01	26-8065	4,276.25	4,276.25
	GRIT REMOVAL IMPROVEMENT	1156	02	20-8010	7,115.65	12,021.45
	REDUNDANCY PROJECT	1194, 1214		20-7080	4,000.80	
	TRUNK SEWER GIS	1193		8015	905.00	
MSDS ONLINE	SAFETY SUPPLIES	ANNUAL RENEWAL 15/16	03	8056	499.00	499.00
OCSD	WATER	7/18/15 TO 9/18/15	04	7094	271.99	271.99
OEC	CHEMICAL ANALYSIS	SEPTEMBER	05	7078	45.00	45.00
PG&E	ELECTRICITY	AUGUST	06	7091	14,959.61	14,959.61
POLYDYNE	PLANT CHEMICALS	996356	07	8050	459.56	459.56
PRAXAIR	EQUIPMENT RENTAL	53755502	08	7032	29.42	29.42
RAIN 4 RENT	INFLUENT PIPELINE REPLACEMENT	031057369, 031057463	09	20-8015	26,278.65	26,278.65
RICK JACKMAN	MEDICAL REIMBURSEMENT	FY 15/16	10	6075	498.80	498.80
ROYAL WHOLESALE ELECTRIC	EQUIPMENT MAINTENANCE	7842-429124	11	8030	160.48	160.48
SAFETY KLEEN	EQUIPMENT MAINTENANCE	67899374	12	8030	342.80	342.80
STANLEY	ALARMS	OCTOBER	13	7011	62.20	62.20
STATE FUND	WORKERS COMPENSTION	OCTOBER	14	6080	4,754.17	4,754.17
STEAM CO	HOUSEHOLD	16042	15	8035	475.00	475.00
TLT TRUCKING	BIOSOLIDS	5974, 1127	16	7085	504.00	504.00
USA BLUEBOOK	SAFETY SUPPLIES	749693, 749840	17	8056	261.62	261.62
VWR	LAB SUPPLIES	8042568228, 8042611719	18	8040	267.48	267.48
WINEMA INDUSRIAL	SAFETY SUPPLIES	GAS DETECTORS	19	8056	1,236.25	1,236.25
WSC, INC.	RECYCLED WATER STUDY	1558	20	7090	2,228.00	2,228.00
SUB TOTAL					\$ 106,244.45	\$ 106,244.45
SO. SLO CO. SANITATION DISTRICT	PAYROLL REIMBURSEMENT	09.18.15	21		34,844.98	34,844.98
	CALPERS HEALTH	OCTOBER	22		17,012.08	17,012.08
SUB TOTAL					\$ 51,857.06	\$ 51,857.06
GRAND TOTAL					\$ 158,101.51	\$ 158,101.51

We hereby certify that the demands numbered serially from 100715-9776 to 100715-9822 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

1600 Aloha Oceano, California 93445-9735
Telephone (805) 489-6666 FAX (805) 489-2765

Date: September October 2, 2015

To: SSLOCSD Board of Directors

From: John Clemons, District Superintendent

Subject: **Superintendent's Report**

Operations

Chart 1 – Plant Data

August 2015*	INF Flow MGD	Peak Flow MGD	INF BOD mg/L	EFF BOD mg/L	INF TSS mg/L	EFF TSS mg/L	Fecal Coli	Cl2 lbs/day	BOD REM Eff. %
Average	2.10	3.38	358	25.3	381	35.9	48	175	92.8
High	2.54	4.20	430	33.7	460	55.0	350	395	
Limit	5.0			40/60/90		40/60/90	2000		80
CY 2014 Monthly									
Average	2.35	3.8	392	26	430	31	87	188	93.4
High	2.70	4.8	444	34	470	39	1600	250	

- * = Plant data through September 29th.

Limit – 40/60/90 represent NPDES Permit limits for the monthly average, weekly average, and instantaneous value for plant effluent BOD and TSS.

Maintenance

- Repaired Cl2 leak on discharge piping at CCT.
- Cleaned Plant storm drain sumps. Vacuumed and pressure washed baskets.
- Began heating and mixing digester #1.
- Adjusted centrifuge weir plates.

- Removed rags from centrifuge feed pipe.
- Removed and replaced belt on lawn mower.
- Reconfigured piping in Sec. Clarifier pump room.
- Work Orders.

In-Progress

- Garing, Taylor, and Associates is working with staff to review and ensure the integrity of the District's **A.G. sewer bridge**. Staff is currently having a Biological Resources Assessment conducted for the CA. Dept. of Fish and Wildlife permit process.
- MKA Engineers has drafted draft an RFP for a new **grit removal system**.
- Staff has begun planning for installation of a **mechanical bar screen** in the headworks. Meeting with MKA to discuss development of an RFP for the project.
- Secondary Process Redundancy Project.

Training

- Staff attending a training session on use of the Digital Mentor information system.

Best regards,

John Clemons
Superintendent



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

To: Board of Directors

From: John Clemons, Interim District Administrator

Date: October 7, 2015

Subject: REVIEW OF EMERGENCY ACTION TO REPAIR INFLUENT PIPELINE

RECOMMENDATION

Staff recommends that the Board of Directors receive and file the information in this final Staff Report on the Emergency Action to Repair the Pipeline from the Headworks to the Primary Clarifier at the WWTP.

BACKGROUND

On June 26, 2015 a leak was discovered in the influent pipeline (pipeline from the headworks to the primary clarifier). The pipeline was evaluated by a specialist and it was determined that years of use had caused the pipeline to become so fragile that replacement was recommended. The pipeline was bypassed utilizing a temporary piping and lift system.

At the July 1, 2015 Board meeting the Board unanimously declared an emergency in conformance with Public Contracts Code Section 22050 and authorized the District to expend up to \$340,000 to repair or replace the influent pipeline.

The Board has made the necessary findings and approved the continuing emergency action at each regular Board meeting since July 1, 2015.

The work to repair the pipeline has been completed and the final invoice for equipment and services has been issued. If approved by the Board, final payments will be made through the current warrant register.

DISCUSSION

The original, damaged 30 inch pipe was replaced with a 24 inch HDPE pipe. Sections of the HDPE pipe were fused together then inserted into the interior of the existing 30 inch pipe. Approximately 450 feet of pipe was replaced. The approximate total cost of this project (including services, supplies and equipment rental) was \$320,000.

During the replacement project other related work was performed. The work included adding a manhole at the halfway point in the pipe line, replacing the pipe manifold within the headworks structure, adding valves to the pipeline for the grit removal project, and refitting of the emergency back-up pump pipeline. These costs for the related work were not charged to the replacement project fund.

The work was completed on September 29, 2015. That is about 95 days from the day Staff discovered the rupture in the pipeline.

Best Regards,

John Clemons III
Superintendent/Interim District Administrator



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

To: Board of Directors
From: John Clemons, Interim District Administrator
Date: October 7, 2015
Subject: Staff Report

RECOMMENDATION

Staff recommends that the Board of Directors review the attached Preliminary Design Report and approve the development and issuance of a Request for Proposal for a Grit Removal System.

BACKGROUND

The term “grit” refers to small inorganic and organic solid materials in wastewater (such as sand, gravel, cinders, coffee grounds, snail shells, dirt etc.). Grit removal prior to treatment at WWTPs protects downstream equipment from abrasion and accompanying abnormal wear. Grit removal also reduces accumulation of inorganic solids in digesters (which leaves more operational volume available in the digester) and sludge beds. The proposed grit removal system would also aid in removing fly larvae, and snail shells which are produced in the trickling filter.

The District’s wastewater treatment plant does not currently have a grit removal system. As a result the plant has regularly experienced excessive wear on pumps, centrifuges and grinders. The recently replaced influent pipeline had over three inches of gritty sludge deposited on the bottom of the pipe for its entire length. During a recent repair of the centrifuge, it was discovered that the centrifuge had evidence of “premature wear” in the nozzle section. While replacing a sludge pump at the secondary digester sump, Staff discovered a heavy build-up of grit in the associated piping. Installing a grit removal system at this WWTP will reduce wear on Plant equipment and the associated maintenance time required to perform maintenance and replacement.

DISCUSSION

Attachment “A” comprises Preliminary design report for the Grit Removal System. The report includes a site plan, Opinion of Cost, Grit King Proposal package and an estimated timeline. The estimated cost is \$627,000 including a contingency amount of \$52,000. The District has already allocated \$560,000 for the project.

OPTIONS

1. Accept PDR and direct staff to develop and issue an RFP for the Grit Removal system.
2. Review report and direct staff on any further action.

Best Regards,

John Clemons III
Superintendent/Interim District Administrator

TECHNICAL MEMORANDUM



To: John L. Clemons

From: Michael Nunley, PE
Jon Hanlon, PE

Date: October 2, 2015

Re: **South San Luis Obispo County Sanitation District - Grit Removal System REVISED Preliminary Design Report**

INTRODUCTION

Objective

This Preliminary Design Report (PDR) presents Michael K. Nunley and Associates' (MKN) assessment and preliminary design for the South San Luis Obispo County Sanitation District's (SSLOCSD or District) Grit Removal Project (Project). The objective of the PDR is to identify project costs and confirm project features with the District before continuing with detailed design. This report outlines the preliminary design for improvements to the existing process to include a grit removal system and classifier.

Scope of Work

This PDR identifies the preliminary design elements of the grit removal system including site layout, connection to plant drainage system, electrical and instrumentation/control requirements for coordination with SSLOCSD staff, and recommended features for SSLOCSD's preferred equipment. As part of this effort, plant hydraulics were reviewed to identify any constraints to be considered during design of the grit removal system. An opinion of total project cost for the proposed improvements is included for the District's use.

BACKGROUND

Existing Facility

The District is responsible for nearly nine (9) miles of trunk main and sewer lines, and receives wastewater flows from the Cities of Arroyo Grande, Grover Beach, and the Oceano Community Services District.

The District's Wastewater Treatment Facility (WWTF) is permitted for a dry weather flow of 5.0 million gallons per day (MGD) and operates under Waste Discharge Requirements (WDR) Order Number R3-2009-0046/ NPDES Number CA0048003. The plant utilizes fixed film reactors, or trickling filters, with clarification to perform secondary treatment. The plant's headworks includes an augur-type influent screen to protect downstream processes and equipment from large inorganic debris, but there are no provisions for removal of grit or other small inorganic debris. Historically grit accumulation has been an issue in the influent piping between the influent pumps and splitter box, and causes operation and maintenance issues with biosolids process equipment.

Historical Flows

Incoming flow data for the previous fifteen years (2000-2014) was provided by the District to assess plant flows. Based on the data provided, the plant has experienced an Average Annual Daily Flow (AADF) of 2.69 MGD over the past 15 years. The AADF per year is provided in Figure 1 below.

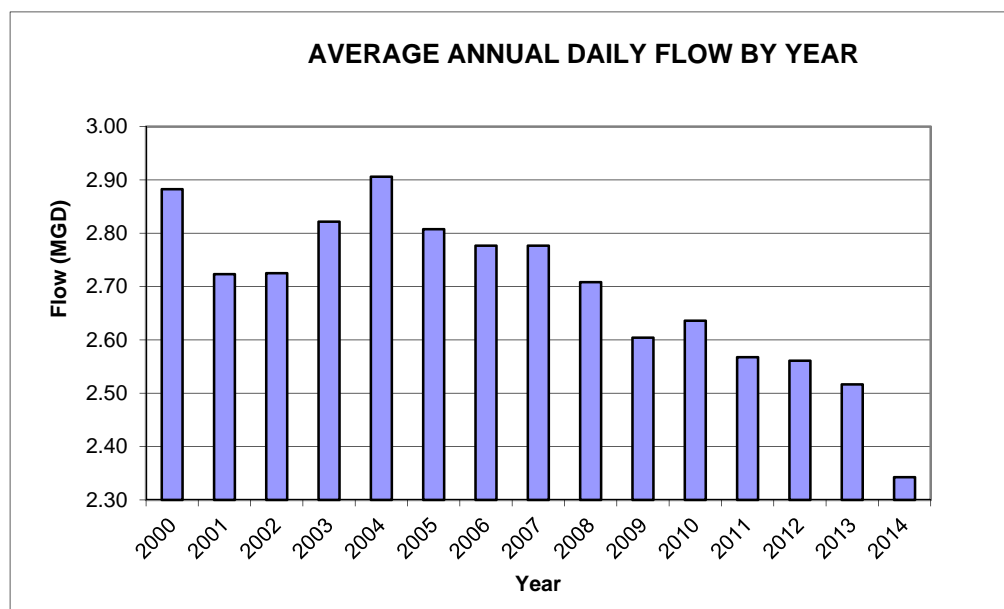


Figure 1 - South San Luis Obispo County Sanitation District AADF (2000-2014)

As shown in Figure 1, average annual plant flows have continued to decrease since 2004. This is assumed to be associated with water conservation measures and current drought conditions. In 2014, the plant received an average of 2.34 MGD.

To evaluate daily hydraulic flows, MKN reviewed hourly influent/effluent flow data for three consecutive days in April 2014, and three consecutive days in November 2014. These dates were selected by the District. During these periods, flows averaged approximately 2.0 MGD. Instantaneous peak hydraulic flow of 4.8 MGD (April 27, 2014) was recorded during these time periods. The following table summarizes the flow data provided by the District.

Table 1 - Existing Plant Flow Data	
Average Annual Daily Flow (AADF)	2.7 MGD
Peak Daily Flow (PDF)	5.0 MGD

On July 7, 2005, Kennedy/Jenks Consultants (KJ) submitted a comprehensive engineering study titled "Long-Range Plan for Wastewater Treatment Plant Improvements," evaluating potential

improvements to the wastewater treatment plant. The 2005 Kennedy/Jenks Consultants report was followed by a Peer Review Report by Carollo Engineers, which was submitted to the District on January 9, 2010. The purpose of the Carollo Review was to independently study and verify the Kennedy/Jenks Consultant's report and recommendations. Finally, on February 4, 2015, KJ submitted a report titled "Upgrading Existing Wastewater Treatment Plant Documentation Review and Update Probable Cost" which summarized the 2005 report and the Peer Review, and updated pertinent information.

The 2015 KJ report evaluated changes in wastewater flow characteristics since 1965, and provided projections for buildout flows based on revisions to the future population served. Table 2 below summarizes the recommended buildout flows from the 2015 report.

Table 2 - Projected Future (Buildout) Flows	
Average Annual Daily Flow (AADF)	4.2 MGD
Peak Daily Flow, Dry Weather (PDF)	4.9 MGD
Peak Daily Flow, Wet Weather (PDF)	8.4 MGD
Peak Hour Wet Weather Flow (PHWWF)	10.0 MGD

The grit removal equipment will be sized to maximize removal efficiency at existing and future average daily flows as presented in Table 3 below.

Table 3 –Grit King Design Flows	
Existing Average Annual Daily Flow (AADF)	2.7 MGD
Future Average Annual Daily Flow (AADF)	4.2 MGD
Maximum Hydraulic Capacity	10.0 MGD

Since the plant is capable of passing much larger hydraulic flows (up to 10 MGD), the equipment will be sufficiently sized to accommodate up to 10 MGD. However, the existing influent pumps (three installed at the time of this report), may not be capable of passing the full 10 MGD through the grit removal equipment. Additionally, at rates above 5 MGD, the capture efficiency of the grit will be significantly reduced. It is assumed that the grit removal system will be bypassed at flows greater than 5-6 MGD.

PROPOSED GRIT REMOVAL SYSTEM

Overview

In order to implement SSLOCSD's plan to improve grit removal, the system will be designed to optimize grit removal rates at average dry weather flows. The preferred process location for the grit removal system is on the force main between the influent pumps and the splitter box. A centrifugal-type grit removal system ("Grit King" by Hydro International) with grit classifier is preferred by SSLOCSD staff. Full redundancy will not be provided, nor is it necessary for grit removal, but valves have been installed on the new 24-inch HDPE force main to allow bypassing of the grit removal system. At night, plant staff will recirculate flows from the secondary clarifier to the headworks to maintain flows above the equipment's minimum recommend flow rates during low flow periods (primarily nighttime flows).

Modifications to Existing Facilities

The grit removal system is proposed to be constructed to the east of the existing maintenance building. This area is open and is covered with a maintained lawn. This area is located directly north of the influent pump force main and is accessible to vehicles from either the north or south sides to facility grit screenings removal by trash trucks or for maintenance operations.

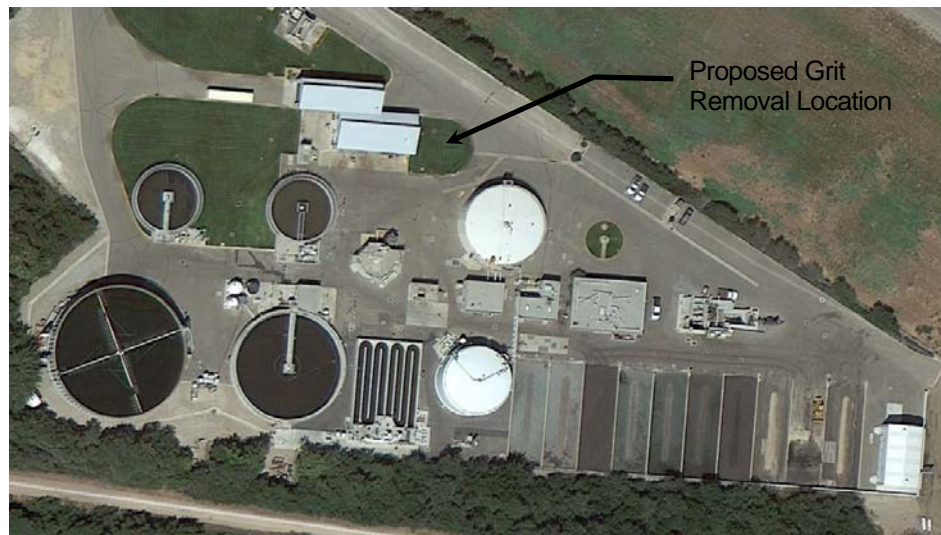


Figure 2- Grit Removal System Location

A preliminary site plan has been developed as part of this memorandum (Appendix A). The project will generally consist of a standalone grit removal system located on a concrete pad. The pad will be sized to accommodate both the grit removal equipment (Grit King and classifier) and a dumpster to hold grit screenings.

Plant Hydraulics

As part of this memorandum, the plant hydraulics were reviewed to identify potential impacts to the performance of the influent pumps resulting from construction of a grit removal system. The new grit removal equipment will have minimal head loss during both average and peak daily flows

approximately 3 inches). The physical elevation of the grit removal equipment will reduce the maximum pumping rates of the existing influent pumps. System curves created to assess the grit removal equipment's effect on the pump flow rate are provided on the next page.

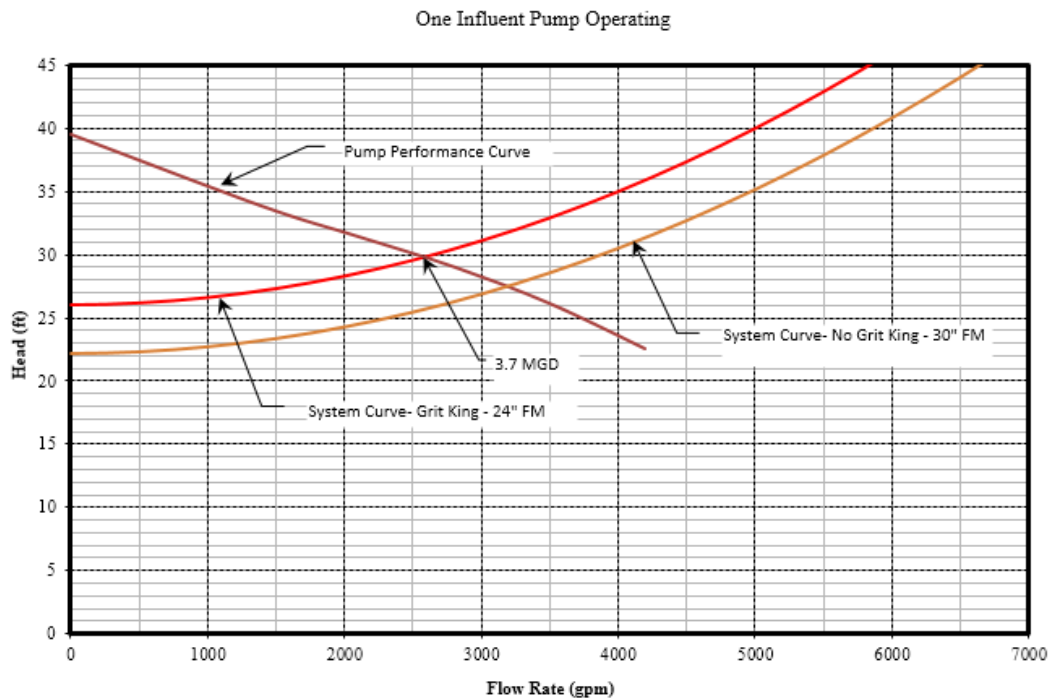


Figure 3 - System Curve with One Pump Operating (full speed)

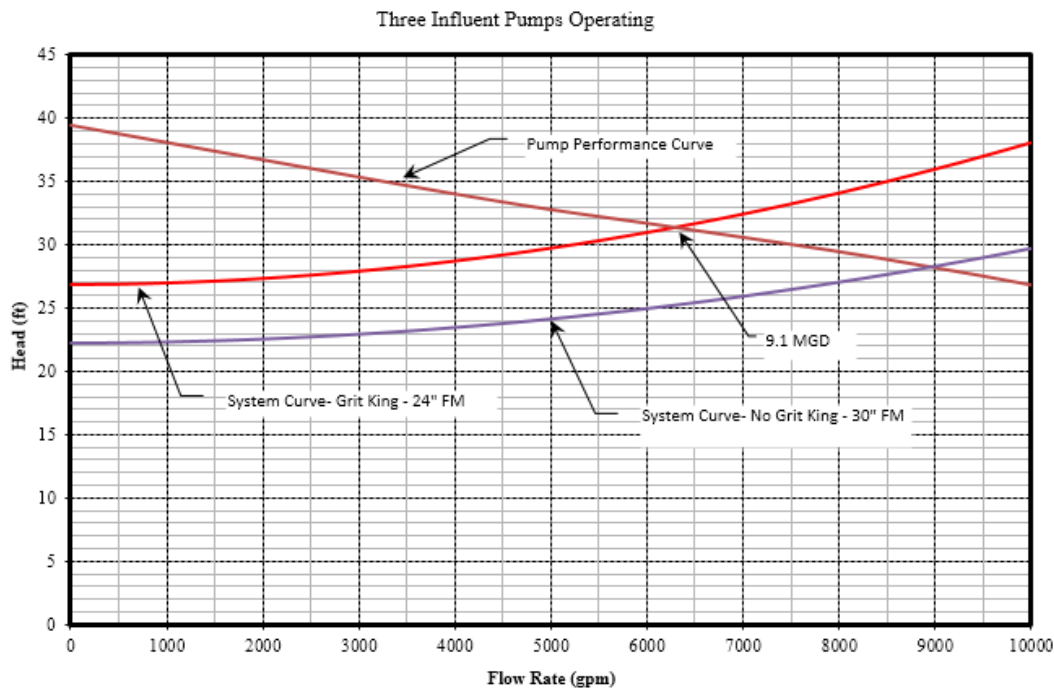


Figure 4 - System Curve with Three Pumps Operating (full speed)

Grit Removal

A centrifugal-type grit removal system (“Grit King” by Hydro International) with grit classifier is preferred by SSLOCSD staff. Wastewater enters and exists the unit tangentially, creating a toroidal flow path around the unit. Grit particles settle at the bottom of the unit while the lighter organic particles pass through. Grit is removed from the bottom chamber via gravity and is sent to a classifier for further separation and dewatering. The classifier includes a slow moving rotating screw to convey grit up an inclined trough for dewatering before being deposited into a dumpster.

Description of Process

Flow to the grit removal system would be diverted from the influent force main and would enter the Grit King unit on a tangential path around the units dip plate. This motion forces the incoming flow to spiral down the sidewalls resulting in the settling of solids due to gravitational forces. The grit collects at the bottom coned section of the unit while the outgoing flow spirals up around the center shaft inside of the dip plate. Finer particles are removed during this upward flow as a shear zone is created where the slower inner upflow meets the outer downward flow.

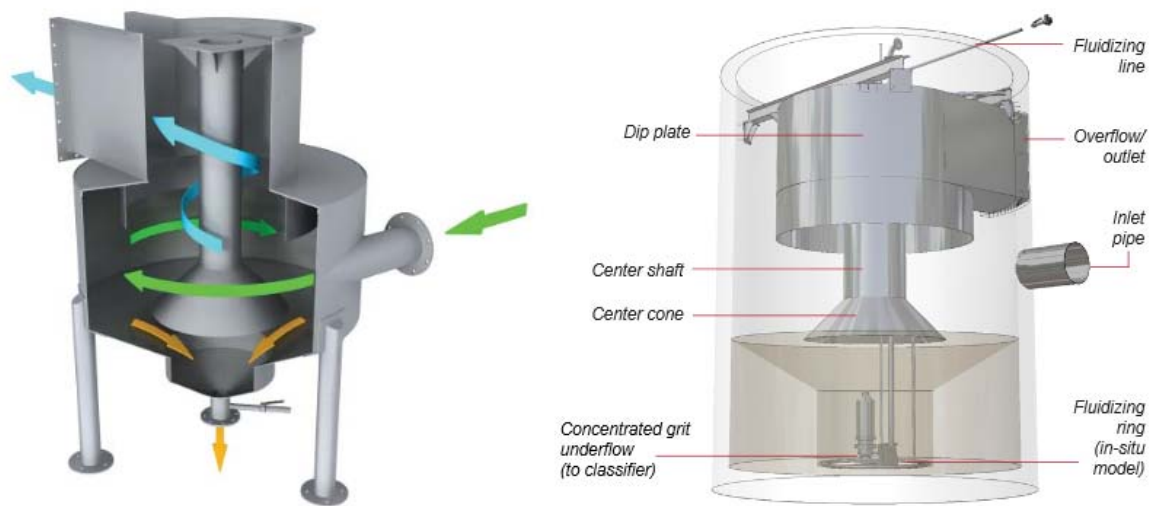


Figure 5 - Grit King Profile

The system will be designed to optimize grit removal at the average daily flow rate. Table 4 below presents the manufacture's estimated performance of the unit at the average and peak day flows.

Table 4 - Grit Removal System Performance		
Flow Condition	Design Flow	Performance ¹
Existing Average Annual Daily Flow (AADF)	2.7 MGD	95% removal of all grit larger than 120 microns
Future Average Annual Daily Flow	4.2 MGD	95% removal of all grit larger than 200 microns
Peak Daily Flow (PDF)	5.0 MGD	95% removal of all grit larger than 200 microns
1. Assumes Grit Specific Gravity of 2.65		

Since the unit contains no moving parts to maintain constant flow velocities, organics may settle to the bottom of the unit and be sent to the classifier during very low flow conditions. This could occur during nighttime hours when the influent pumps are operating intermittently and at their lowest set points. Currently, SSLOCSD staff recirculate water from the secondary clarifier to the splitter box to maintain higher flows through the trickling filters during low flow periods. To prevent settling of organic solids in the classifier during these low flow periods, it is our understanding that SSLOCSD

staff will revise the nighttime recirculation approach by pumping water from the secondary clarifier to the headworks through existing piping. This will not only accomplish the goal of maintaining higher flows through the trickling filter, but will also contribute to nighttime flows through the Grit King. The recirculation pump from the secondary clarifier will be manually operated. Staff will set the desired pump rate and turn on the pump in the evening and turn off the next morning.

When future upgrades are planned at the plant, SSLOCSD should consider the benefit of redirecting recirculation flows to a location downstream of the influent pump station to reduce the overall amount of pumping required at the plant.

Solids collected in the lower coned section of the grit tank will be periodically removed through an opening in the tank bottom by gravity to the classifier unit. A 4-inch diameter grit pipe will extend from the bottom of the Grit King to the hopper of the classifier. A solenoid operated valve will open based on an operator set time interval to allow settled grit to flow to the classifier. Water is injected at the grit outlet opening through a small diameter fluidizing pipe when the valve opens to help carry the grit to the classifier and to prevent plugging of the outlet. A time clock will initiate when grit discharge cycles occur. The time clock will be adjustable to initiate cycles up to every 20 minutes. When the time clock initiates a cycle, the Grit Classifier will operate for an adjustable time period. Concurrently, the control panel will send a signal to open the solenoid valve located on the fluidizing line for an adjustable time period (typically 60 seconds). After the fluidizing time runs out and the solenoid valve closes, the electrically actuated plug valve shall open for an adjustable time period (typically 120 seconds). All operations can also be performed in manual mode.

The fluidizing pipe will require a connection to a potable or non-potable water source. Water usage of the fluidizer is approximately 50 gpm at 50 psig when in operation. Based on the minimum cycle time (20 minutes), the fluidizing cycles could use up to 3,600 gallons of water per day (1.3 MG per year). Based on this demand and the marginal difference in construction cost, it is recommended that the grit removal equipment be supplied with plant water. MKN recommends construction of a new 2-inch water supply pipe from the #3 water supply located at the hose bibb at the north side of Primary Clarifier #1. Staff has also requested a backup connection to the potable water supply at the east of the maintenance building

The heavy, inorganic grit particles will drop into the grit classifier hopper where a screw conveyor will convey grit into a storage bin up an inclined trough to facilitate dewatering of the grit. Lighter organics, if present, flow over an internal weir to a drain that flows to the headworks.

Grit Removal Equipment Design

The grit removal system would be located on the influent pump force main as shown on the attached site plan (Appendix A). This pipe is a 24-inch DR 32.5 HDPE pipe. The District has installed ductile iron tees for both inlet and outlet connections and isolating valves for bypass operations.

The grit removal system will consist of a free standing Grit King unit, approximately 12.5 feet high, with 24-inch ductile iron inlet and outlet piping. Preliminary cut sheets are provided in Appendix C. The Grit King will be fabricated out of 304 stainless steel and will be anchored to a new concrete slab. Accumulated grit in the Grit King will be conveyed to a classifier via a 4-inch stainless steel pipe. The grit classifier will further separate grit material from captured organics and will dewater the grit prior to being deposited into a dumpster. Organics and drained water would be sent to the plant headworks through the plant's onsite drain system. A 4-inch drain line is located to the east of the

maintenance building. It is recommended that this be upgraded to a 6-inch line to accommodate the new classifier drain and new surface drain.

The following table shows the general design parameters of the grit removal system:

Table 5 - Grit Removal System Design Summary	
Grit Separator	
Number of Units	1
Unit Diameter, feet	10
Inlet Opening Diameter, inches	24"
Outlet Opening Diameter, inches	48" Channel and 24" Pipe
Max. Headloss at Peak Day Flow (5.0 MGD), inches	3.0
Underflow Flow Rate, gpm	200
Underflow Connection Size Diameter, inches	4
Grit Classifier	
Motor Size	1.5 HP
Screw Diameter, inches	11
Maximum Flow Rate, gpm	318
Grit storage (by owner)	3-CY rolling dumpster with slanted lid

Grit Removal System Electrical Requirements and Controls

The classifier unit includes a control panel to automatically operate the valve at the Grit King drain opening and classifier. This control panel includes a variable frequency drive (VFD) to control the screw motor. A stainless steel (304) NEMA 4X panel will be provided and will include all timers, starters, switches and indicator lights to control the grit removal system. The control panel will require a 480V/15amp/3-phase service.

Additional Grit Removal Features

The following additional features are also recommended for the grit removal facility:

- Stairs and Platform - It is recommend a small platform and stairs be constructed adjacent to the upper opening of the unit for access and inspection.
- Concrete Pad - A reinforced concrete pad is recommend for anchoring of the grit removal equipment and for the grit dumpster. The slab will also include a drain for washing down the area. The drain will be connected to the plant drainage system. It is assumed that the Grit removal system will be supported by an 18-inch thick structural slab, and that the remaining grass area will be paved to the top of the existing roll curb with a 4-inch thick flatwork.
- Wash-Down – A non-potable water hose bibb and 6-inch surface drain will be provided at the grit removal site for wash-down activities.

PRELIMINARY OPINION OF COST

Preliminary opinions of probable costs have been developed for proposed improvements to assist the District in planning for construction. Project costs may change as the project proceeds through the design. Costs include tax for the major equipment, estimated contractor installation costs, and markup.

Appendix A - Site Plan

Appendix B - Engineer's Opinion of Probable Project Cost

Appendix C - Grit King Proposal and Hydraulics

SOUTH SAN LUIS OBISPO COUNTY SANITATION DISTRICT
WWTP- Grit Removal Project
OPINION OF PROBABLE CONSTRUCTION COST
October 2, 2015

Item	Description	Quantity	Unit	Unit Price	Amount
1	Mobilization/Demobilization (5%)	1	LS	\$ 26,000	\$ 26,000
2	Equipment Foundations	1	LS	\$ 18,000	\$ 18,000
3	Grit Separator and Classifier (Installed)	1	LS	\$ 362,000	\$ 362,000
4	Platform and Stairs	1	LS	\$ 28,000	\$ 28,000
5	Sales Tax (Grit Separator, Classifier, and Stairs, 8%)	1	LS	\$ 43,640	\$ 43,640
6	Site Piping and Appurtenances	1	LS	\$ 34,000	\$ 34,000
7	Site Concrete Flatwork	1	LS	\$ 12,000	\$ 12,000
8	Electrical	1	LS	\$ 5,000	\$ 5,000
Subtotal					\$ 528,640
Contingency 10%					\$ 52,864
Total Construction Cost Opinion					\$ 582,000
Engineering					\$ 32,550
Construction Management					\$ 12,400
Total Project Cost Opinion					\$ 627,000

Prepared By: Joseph Reichmuth, PE

Jon Hanlon, PE

Prepared on: 10/2/2015

The opinion of probable construction cost presented here is only an opinion of possible construction costs for budgeting purposes. This opinion is limited to the conditions existing at issuance and is not a guaranty of actual price or cost. Uncertain market conditions such as, but not limited to, local labor or contractor availability, wages, other work, material market fluctuations, price escalations, force majeure events and developing bidding conditions, etc. may affect the accuracy of this estimate. MKN & Associates, Inc., is not responsible for any variance from this budgetary opinion of construction cost or actual prices and conditions obtained. The opinion of probable construction cost is based on the review of site conditions, vendor quotes and similar project experience; addition or subtraction of design elements will impact the final project cost.





REV	DATE	DESCRIPTION	APPR
1		PROJECT ENGINEER	EXP DATE
2		REG NUMBER	
3			
4			
5			
6			
7			
8			
9			
10			
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			
21			
22			
23			
24			
25			
26			
27			
28			
29			
30			
31			
32			
33			
34			
35			
36			
37			
38			
39			
40			
41			
42			
43			
44			
45			
46			
47			
48			
49			
50			
51			
52			
53			
54			
55			
56			
57			
58			
59			
60			
61			
62			
63			
64			
65			
66			
67			
68			
69			
70			
71			
72			
73			
74			
75			
76			
77			
78			
79			
80			
81			
82			
83			
84			
85			
86			
87			
88			
89			
90			
91			
92			
93			
94			
95			
96			
97			
98			
99			
100			

mika MICHAEL K NUNLEY
& ASSOCIATES

WATER • WASTEWATER • WATER REUSE

P.O. BOX 1604
APPROVO GRANDE CA 93421
(805) 904-6530

South San Luis Obispo County Sanitation District
Grit Removal Improvement Project


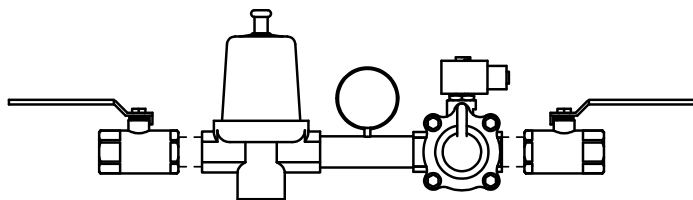
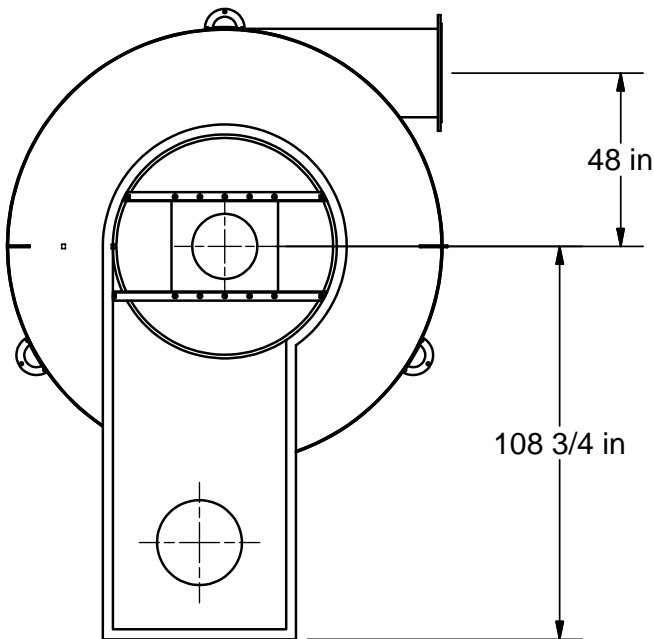
DESIGNED: JJR
DETAILED: LP
CHECKED:
APPROVED:
DATE: JULY 2015
 <p>IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO FULL SCALE</p>
PROJECT NO.

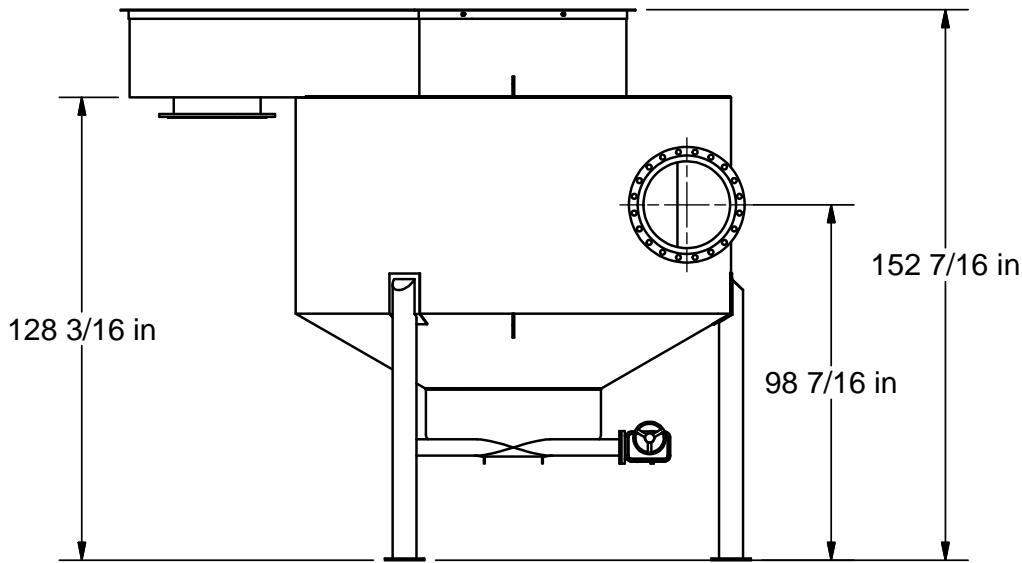
FIGURE 1
SHEET
1 OF 1



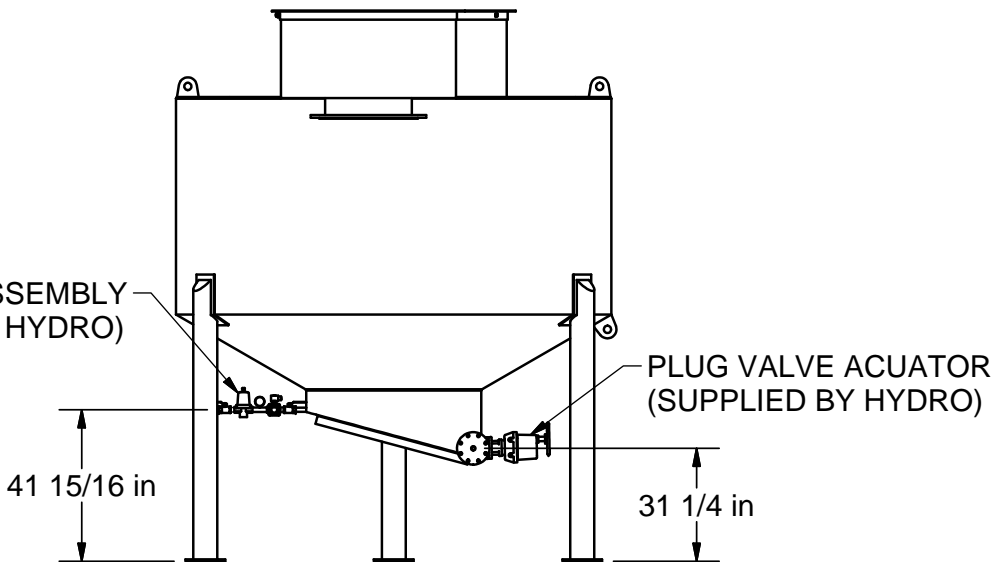
FLUIDIZING ASSEMBLY



PLAN VIEW

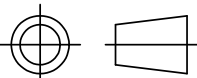


FLUIDIZING ASSEMBLY
(SUPPLIED BY HYDRO)



ELEVATION VIEW

PROJECTION



NOTES:

1.

-		8/21/2013	FIRST RELEASE
REV	BY	DATE	DESCRIPTION

REVISION HISTORY

Date	Scale	
9/17/2015	NTS	
Drawn By	Checked By	Approved By
DR	-	-

Title
10 FT GRIT KING

OCEANO, CA

GENERAL
ARRANGEMENT
PROPOSAL DRAWING



Prickwillow Road,
Ely,
Cambridgeshire,
CB7 4TX
Tel: 01353 645700
Fax: 01353 645702
enquiries@hydro-international.co.uk

ANY WARRANTY GIVEN BY HYDRO INTERNATIONAL WILL APPLY ONLY TO THOSE ITEMS SUPPLIED BY IT. ACCORDINGLY HYDRO INTERNATIONAL CANNOT ACCEPT ANY RESPONSIBILITY FOR ANY STRUCTURE, PLANT, OR EQUIPMENT, (OR THE PERFORMANCE THERE OF) DESIGNED, BUILT, MANUFACTURED, OR SUPPLIED BY ANY THIRD PARTY. HYDRO INTERNATIONAL HAVE A POLICY OF CONTINUOUS DEVELOPMENT AND RESERVE THE RIGHT TO AMEND THE SPECIFICATION. HYDRO INTERNATIONAL CANNOT ACCEPT LIABILITY FOR PERFORMANCE OF ITS EQUIPMENT, (OR ANY PART THEREOF), IF THE EQUIPMENT IS SUBJECT TO CONDITIONS OUTSIDE ANY DESIGN SPECIFICATION. HYDRO INTERNATIONAL OWNS THE COPYRIGHT OF THIS DRAWING, WHICH IS SUPPLIED IN CONFIDENCE. IT MUST NOT BE USED FOR ANY PURPOSE OTHER THAN THAT FOR WHICH IT IS SUPPLIED AND MUST NOT BE REPRODUCED, IN WHOLE OR IN PART, WITHOUT PRIOR PERMISSION IN WRITING FROM HYDRO INTERNATIONAL.
©2015 HYDRO INTERNATIONAL

DO NOT SCALE DRAWING

UNLESS OTHERWISE SPECIFIED,
DIMENSIONS ARE IN MILLIMETRES.
TOLERANCES ARE:

LENGTHS ± 2mm
ANGLES ± 1°

Approximate Weight:

N/A

Finish:

Treatment:

Sheet Size:
A3

Sheet:
1 OF 1

Next Assembly:

NA

Ref.
No.

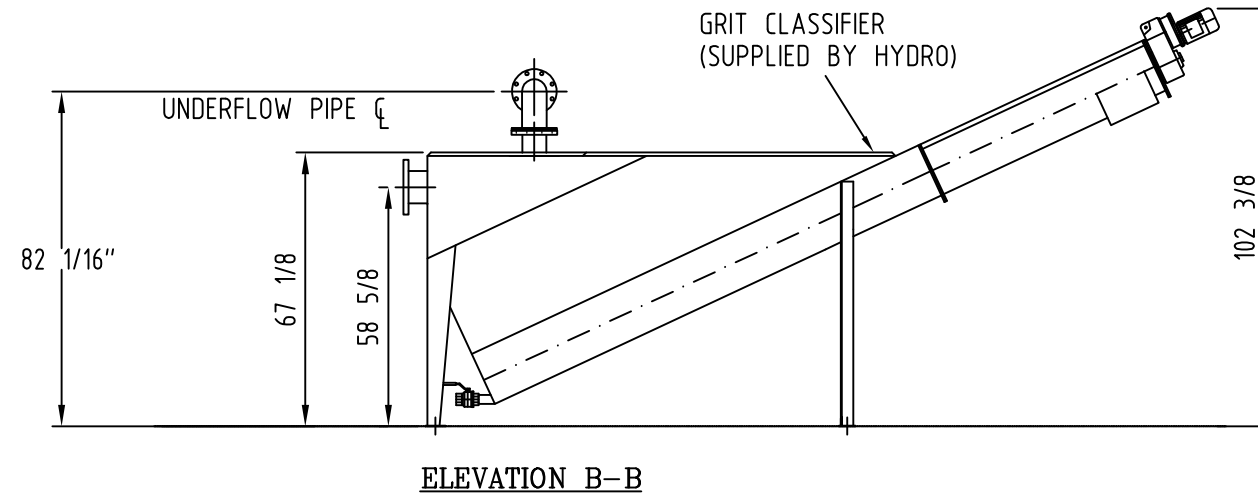
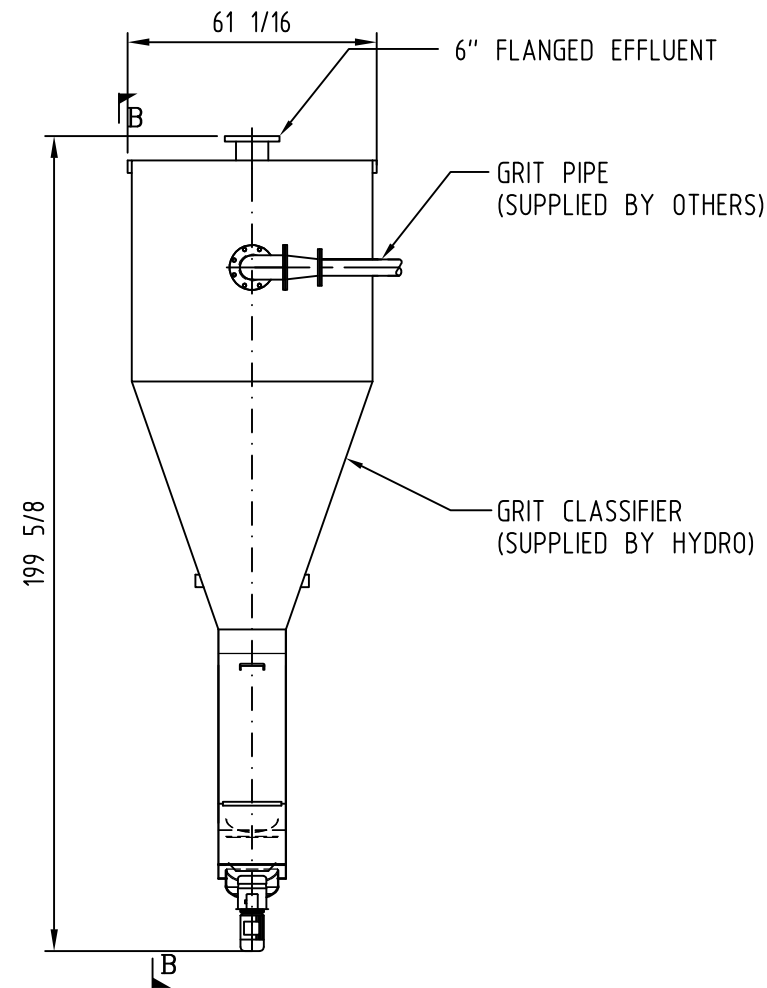
14-3092

Drawing No.

-05

Rev

-



1. THIS DRAWING SHALL BE READ IN CONJUNCTION WITH ALL RELEVANT GENERAL ARRANGEMENT & DETAIL DRAWINGS.
2. ALL COMPONENTS SHALL BE MANUFACTURED IN ACCORDANCE WITH THE PRODUCTION SPECIFICATION HRD-FM09/15.

		5/26/2010	FIRST RELEASE
REV	BY	DATE	DESCRIPTION
REVISION HISTORY			
Date		Scale	
5/26/2010		1/4"=1'0"	
Drawn By		Checked By	Approved By
AP		-	LS

Title
200 GPM CLASSIFIER

GENERAL ARRANGEMENT



ANY WARRANTY GIVEN BY HYDRO INTERNATIONAL WILL APPLY ONLY TO THOSE ITEMS SUPPLIED BY IT. ACCORDINGLY HYDRO INTERNATIONAL CANNOT ACCEPT ANY RESPONSIBILITY FOR ANY STRUCTURE, PLANT, OR EQUIPMENT, (OR THE PERFORMANCE THERE OF) DESIGNED, BUILT, MANUFACTURED, OR SUPPLIED BY ANY THIRD PARTY. HYDRO INTERNATIONAL HAVE A POLICY OF CONTINUOUS DEVELOPMENT AND RESERVE THE RIGHT TO AMEND THE SPECIFICATION. HYDRO INTERNATIONAL CANNOT ACCEPT LIABILITY FOR PERFORMANCE OF ITS EQUIPMENT, (OR ANY PART THEREOF), IF THE EQUIPMENT IS SUBJECT TO CONDITIONS OUTSIDE ANY DESIGN SPECIFICATION. HYDRO INTERNATIONAL OWNS THE COPYRIGHT OF THIS DRAWING, WHICH IS SUPPLIED IN CONFIDENCE. IT MUST NOT BE USED FOR ANY PURPOSE OTHER THAN THAT FOR WHICH IT IS SUPPLIED AND MUST NOT BE REPRODUCED, IN WHOLE OR IN PART, WITHOUT PRIOR PERMISSION IN WRITING FROM HYDRO INTERNATIONAL.

©2010 HYDRO INTERNATIONAL

DO NOT SCALE DRAWING

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES. TOLERANCES ARE:

FRACTIONS 1/16
DECIMALS .06
ANGLES 1

Approximate Weight:

N/A

Finish:

Treatment:

Sheet Size:

B

Sheet:

1 OF 1

Next Assembly:

Ref.

No.

Drawing No.

SA320-HYDRO

Rev



Proposal Package

Grit Removal System

Oceano, CA
South San Luis Obispo County Sanitation District WWTP

Engineer: MKN & Associates
Arroyo Grande, CA

Representative: MISCOWater
Foothill Ranch, CA

Manufacturer: Hydro International
2925 NW Alcolek Suite 140 · Hillsboro, OR 97124
(503) 615-8130 ph · (503) 615-2906 fax · www.hydro-int.com



Water & Wastewater Solutions
Grit Removal at its Finest...®

September 25, 2015

Mr. Jon Hanlon, PE
MKA & Associates
PO Box 1604
Arroyo Grande, CA 93421

RE: Headworks Grit Control & Dewatering System
Oceano, CA SSLOCDS WWTP
File #14-3092-G R2

Dear Mr. Hanlon:

Thank you for your interest in Hydro International. We are pleased to present our proposal for a Grit King® Grit Removal, Classification, and Dewatering System. Hydro International is dedicated to providing innovative, high performance grit removal equipment through superior engineering, high-quality products and unmatched customer service. Our extensive experience includes thousands of installations throughout the world.

Grit is continually introduced into collection systems, but is not uniformly carried to treatment facilities. As flows increase, the grit load entering the plant elevates. Once in the treatment plant, where velocities are slower than in the collection system, grit will deposit in processes, disrupting systems, decreasing equipment longevity, and increasing maintenance costs. The Grit King® Grit Removal System offers many benefits over conventional grit removal systems including:

- Removing fine grit protects equipment and processes from abrasive wear and sedimentation
- All-hydraulic design with no moving parts, minimizing operating and maintenance costs
- Small footprint system capable of high efficiency solids capture and removal
- Robust design allowing long component life with minimal wear
- Complete grit system with no weak link through capture to washing/classification to dewatering
- Minimal headloss at peak flows fits most existing flow profiles
- Structured flow ensures maximum retention time and full utilization of tank volume

We sincerely appreciate your interest in our equipment and look forward to working with you on this project. As you progress with the design, we can quickly generate CAD drawings, budget updates, and specifications as well as review equipment layouts and specifications for your particular application. Reference lists are available through your local representative. If you have any questions or concerns, do not hesitate to contact us.

Regards,
Hydro International



Dara Rolfe
Applications Engineer

Performance Objective

Hydro International is pleased to propose the following Grit King® grit removal and dewatering system to be installed in an existing plant which has flows of 3 mgd average and 5 mgd peak. Each component of the grit removal system is designed to remove 95% of all grit 212 or better at the component flows listed below.

Proposed Equipment Summary

Grit King® Grit Concentrator

The Grit King® is an all-hydraulic/non-mechanical vortex separator designed to remove grit, sediment and sand from wastewater, raw water and other liquids using vortex motion and boundary layer effects to aid gravitational settlement. The unit can be installed into the flow line, downstream of the screens, of any system where limited head is available. The unit requires no external power source, has no internal moving parts, is self-cleaning, has a compact modular construction and is virtually maintenance free.

Quantity: 1
Size: 10' diameter
Configuration: Free Standing
Performance:no performance guarantee @ 10 mgd
Performance: 95% removal of all grit (specific gravity 2.65) ≥ 212 microns @ peak flow
Performance: 95% removal of all grit (specific gravity 2.65) ≥ 150 microns @ average flow

24" Inlet Pipe / 48" Effluent Channel with Drop Pipe

Flow (mgd)	Headloss (in)	Depth of Flow (in)	Inlet Velocity (ft/s)
10	9	12	4.9
5 (peak)	3	8	2.5
3 (ave)	1	6	1.5
1.5	1	4	0.8

Underflow Connection:4"
Underflow Flow Control:4" Reg-U-Flo SXV type Vortex Valve
Underflow Flow Rate:..... 200 gpm
NPW Connection:1" NPT
NPW Requirement/Unit (for 2-4 min. every hour):Intermittent 50 gpm @ 50 psig
Material of Construction: 304 SS
Weight Dry/Wet (approximate): 9,000/63,000 lbs

Grit Classifier

The Grit Classifier uses a scrow auger to simultaneously wash and dewater grit. The unit incorporates a large clarifier area and a slow turning spiral to retain fine grit particles. The Grit Classifier dewateres and retains settleable high-density solids from municipal grit slurries or industrial abrasive slurries. The unit is capable of producing dry grit with low organic content suitable for landfill disposal.

Quantity: 1
Maximum Grit Load: 0.31 cy/hr @ 1 rpm
Screw Diameter: 11"
Maximum Flow Rate: 318 gpm
Motor: 1.5 hp, TENV, 480V/3 phase/ 60 Hz
Overflow Connection: 6" flanged pipe
Drain Connection: 4" flanged pipe
Material of Construction: 316 SS body
..... Carbon Steel Spiral
Weight Dry/Wet (approximate): 1,760 lbs
Performance: Grit in the dumpster shall contain $\geq 60\%$ (wt) total solids and $\leq 20\%$ volatile solids

Control Panel

The panel shall contain all timers, starters, switches, and indicator lights to operate one (1) Grit King® unit and one (1) classifier unit in either fully automated or manual mode.

Quantity: 1
Enclosure Material: 304 SS
Enclosure Type: NEMA 4X
Power Supply: 480V/15 amp/3-phase
Control Logic: Programmable Relay
Classifier Control: VFD

System Hydraulics

System hydraulics is the responsibility of the design engineer. Hydro International can provide information on Grit King® hydraulics and pumping and piping FAQ's to assist the engineer in determining system hydraulics and pump requirements, upon request.

Design Recommendations

- 3/4" or finer screening prior to the grit removal system
- Estimated grit load a peak flow 0.06 yd³/hr
- 2 – 3 ft/s channel velocities at peak flow as recommended by industry design manuals
- 4 – 7 ft/s grit slurry pipe velocities as recommended by industry design manuals
- Incorporate a drain line, piped to a floor drain, in the grit dumpster to allow for further dewatering prior to disposal
- A minimum 18" of access clearance around all equipment and minimum 3' of access clearance above equipment
- Operators find that it is useful to locate a spray hose adjacent to the equipment so that they can spray all equipment down during an inspection
- Incorporate a minimal access platform to facilitate inspection access to the top of the equipment

Start-up

One (1) factory trained representative, two (2) trips, for start-up and instruction services as required totaling four (4) days.

Quote Validity: 30 days

Exclusions

Any item(s) not specifically described above are excluded and are not to be supplied by Hydro International including but not limited to the following:

- Field assembly, erection and installation
- Anchor Bolts
- Interconnecting piping and valving not expressly stated above
- Pipe connections and fittings not expressly stated above
- All pipe supports, hangers and braces
- Controls, switches, control panels and instrumentation of any kind not expressly stated above
- Wiring and conduit
- Field or touch-up paint, painting, blasting and touch-up of surface finish
- Spare parts not specifically stated above
- Unloading, hauling and storage charge
- Lubricating oil and greases
- Grit study, field performance testing, laboratory testing and sample collection and analysis
- All concrete and grouting work
- Insulation and heat tracing of any kind
- Seismic analysis
- Performance and/or Supply Bond(s)
- Grit dumpsters
- Translation Services

Options

Quotes will be provided upon request for the following optional features:

- Additional field days for startup or training
- Explosion proof upgrade
- PLC Based Control Panel
- Alternative Grit King® discharge configuration
- Grit King® Floatables trap
- Influent/Effluent boxes for Grit King®
- Seismic Certification
- Grit King® cover
- Extended Warranty
- Field performance testing, laboratory testing and sample collection and analysis
- Service & maintenance contract

Warranty

Hydro International's Standard Warranty shall apply per the Terms and Conditions of Sale.

Delivery

Please allow 4 to 6 weeks after receipt of purchase order for approval drawings. Shipment is typically a maximum of 16 weeks after receipt of "Approved" or "Approved As Noted, Resubmittal Not Required" submittal package. Price includes truck freight to jobsite, but does not include any state or local taxes if required.

Terms & Conditions

This proposal is made pursuant to Hydro International's standard Terms & Conditions of Sale, attached hereto and made a part hereof.

Contacts

Local Representative:

Mr. Roger Antonie
MISCOWater
27101 Burbank Suite B
Foothill Ranch, CA 92610
Phone: (949) 458-5555
Fax: (949) 458-5500
Email: rantonie@miscowater.com

North American Grit Gradations

Hydro International is pleased to announce the availability of national and regional grit gradation data. This data, which has been compiled from over 120 tests across North America, contains average physical size data as well as settling velocity (SES) data, making it the most comprehensive information available on grit and its behavior.

Virtually all conventional grit removal processes rely on gravity sedimentation to achieve the separation of grit from wastewater. Most conventional grit removal processes are designed based on the assumption that grit is spherical and has a specific gravity 2.65. However, not all grit maintains a specific gravity of 2.65 and other factors such as shape and encapsulation by fats, oils and grease significantly impact its settling velocity. Therefore, the best means to analyze grit is to determine the settling velocity for given particle size ranges. Settling velocity data can be correlated to the measured settling velocity of a clean sand sphere. The settling velocity is expressed as the Sand Equivalent Size (SES), which is the sand particle size having the same settling velocity as the more buoyant grit particle. The correlated particle size, or Sand Equivalent Size can then be used for design of the grit removal process.

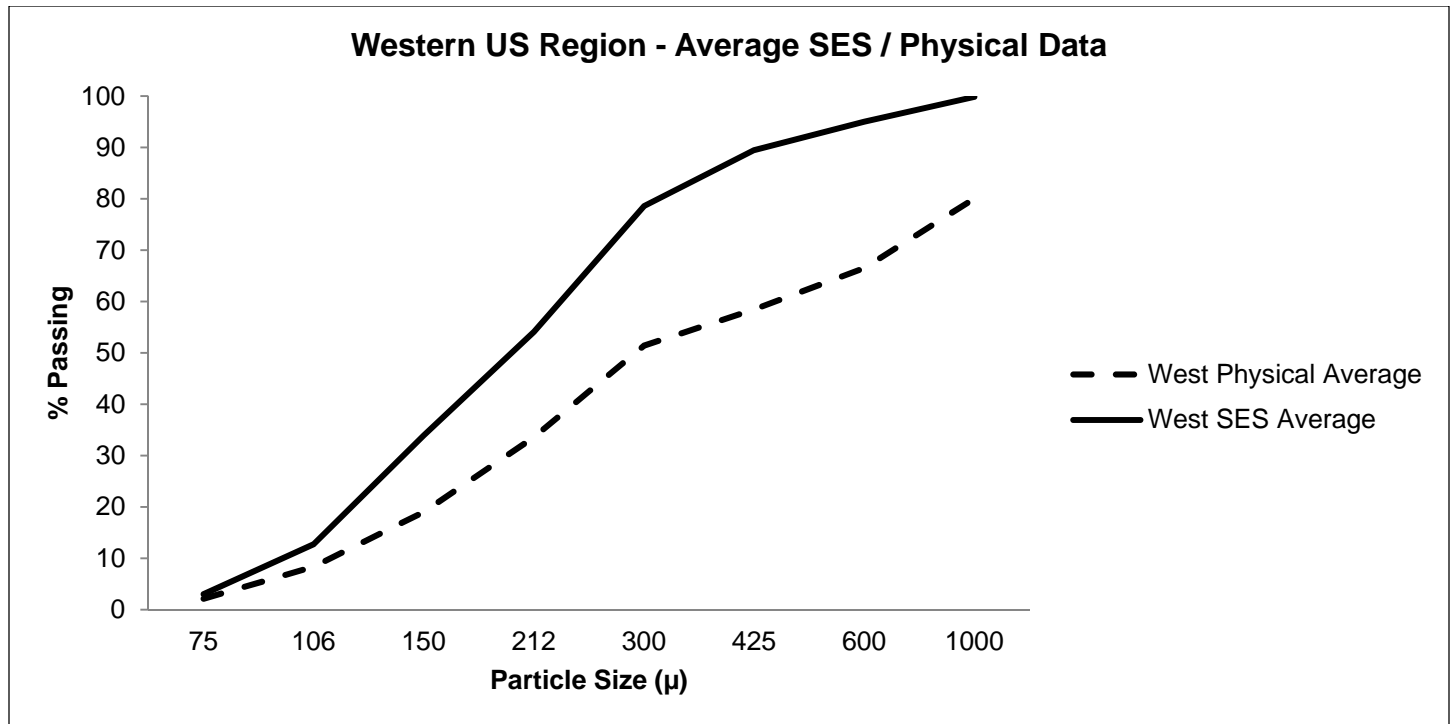
When settling velocity is considered in the design actual removal efficiency of grit particles can be estimated more realistically.

Data is available for the following regions:

Region	States / Provinces Included
Northeast	ME, VT, NH, MA, RI, NY, CT
Mid-Atlantic	PA, NJ, MD, DE, DC, VA, WV
Southeast	NC, SC, GA, AL, FL, MS
North Central	MO, KS, KY, IN, OH, IL, MI, WI, IA, MN, ND, SD, NE
South Central	TN, AR, OK, TX, LA
West	WA, OR, CA, AK, HI, AZ, NV, NM, CO, ID, MT, UT, WY
Western Canada	AB, MB, SK
Ontario Canada	ON

State data is available for individual states where more than 5 data points are available; those states currently include: Georgia, Texas, Florida, and Virginia.

Western US Regional Gradation



	% Cumulative Passing								
	75	106	150	212	300	425	600	1000	
West Physical Average	2.1	8.4	19.0	33.6	51.4	58.5	66.5	80.1	<i>Physical</i>
West SES Average	3.0	12.7	33.9	54.1	78.6	89.5	95.0	99.9	<i>SES</i>

Standard Terms and Conditions of Sale

1. **DEFINITIONS.** "Hydro" is Hydro International with an address of 2925 NW Alciek Drive #140 in Hillsboro, Oregon. "Buyer" is the party purchasing the goods from Hydro.
2. **ENTIRE AGREEMENT.** Hydro's agreement is based on these terms and conditions of sale. This document, together with any additional writings signed by Hydro, represents a final, complete, and exclusive statement of the agreement between the parties and may not be modified, supplemented, explained, or waived by parol evidence, Buyer's purchase order, any course of dealing, Buyer's payment or acceptance, or in any other way except in writing signed by Hydro through its authorized representative. These terms and conditions are intended to cover all activity of Hydro and Buyer hereunder, including sales and use of products, parts, and work, and all related matters (references to products include parts and references to work include construction and installation). Hydro's obligations hereunder are expressly conditioned on Buyer's assent to these terms and conditions. Hydro objects to any terms that are different from, or additional to, these terms and conditions. Any applicable detail drawings and specifications are hereby incorporated and made a part of these Terms and Conditions of Sale insofar as they apply to the material supplied hereunder.
3. **SPECIFICATIONS.** Products are supplied in accordance with information received by Hydro, or its duly authorized agent, from Buyer. Hydro shall have no responsibility for products created or sold based upon inaccurate and/or incomplete information supplied to it. Buyer shall ensure that Hydro receives all relevant information in time to enable it to supply the appropriate products.
4. **INSTALLATION AND APPLICATION OF PRODUCTS.** Products supplied hereunder shall be installed and used only in the particular application for which they were specifically designed. Buyer should not presume that any products supplied by Hydro may be utilized for any applications other than those specified; nor shall Hydro's obligations, including, without limitation, any warranty obligations, survive Buyer's transfer of products supplied hereunder to third parties unless the products are transferred with Hydro's consent. In addition, Buyer shall not use any product supplied hereunder at any location other than at the location for which Hydro has previously received notice from Buyer. Any breach of any of the foregoing restrictions may amount to an infringement of the patent for the products in question and will in any event void all express or implied warranties relating to the products supplied hereunder.
5. **PURCHASE PRICE AND PAYMENT TERMS.** All prices are in U.S. dollars and all payments shall be made in U.S. dollars. Payment terms are as follows:

	Incremental Payment	Cumulative Payment
Upon Approval of Shop Drawings	10%	10%
Upon Delivery of Equipment to Site	80%	90%
Upon Final Acceptance or 45 days following completion of equipment start up	10%	100%

If payments are not made in conformance with the terms stated herein, any unpaid balance shall be subject to interest at a rate 1½% per month, but not to exceed the maximum amount permitted by law. If shipment is delayed by Buyer, the previously agreed date of readiness for shipment shall be deemed to be the date of shipment for payment purposes. If manufacture is delayed by Buyer, a payment shall be made based on purchase price and percentage of completion, with the balance payable in accordance with the terms as stated. If at any time in Hydro's judgment Buyer may be or may become unable or unwilling to meet the terms specified, Hydro may require satisfactory assurance or full or partial payment as a condition to commencing, or continuing manufacture, or in advance of shipment.

Until payment in full has been received by Hydro, this Standard Terms and Conditions of Sale shall constitute a security agreement and Buyer hereby grants Hydro a purchase money security interest in and to the products produced by Hydro hereunder, and any products or proceeds thereof. In particular:

- (i) Hydro will retain an express purchase money security interest in and to the products and all proceeds thereof.
 - (ii) Until full payment for the products is received by Hydro, Hydro reserves the right to retake possession of the products at any time and for this purpose Buyer authorizes Hydro or its duly authorized agent to enter upon land or premises where it believes the product may be.
 - (iii) Proceeds of any disposal of the products shall be held in trust for Hydro pursuant to the terms of the Maine Uniform Commercial Code.
 - (iv) Buyer grants Hydro a power of attorney for the purpose of filing a UCC-1 financing statement in the name of Buyer to evidence Hydro's security interest in the products.
6. **BACKCHARGES.** In the event that Buyer is required to make repairs, corrections or modifications to the goods supplied by Hydro, it shall only do so upon written approval from Hydro. Backcharges shall be limited to the costs directly associated in making the repairs, corrections or modifications to the goods supplied by Hydro. The costs of such backcharges shall be subject to approval by Hydro and shall be limited to: (1) directly related labor and material costs, (2) directly related equipment and tool rental at prevailing rates in the project location and (3) Buyer's overhead & supervision costs to make repairs, corrections or modifications to the goods supplied by Hydro. Buyer shall submit complete documentation to Hydro's satisfaction including but not limited to labor time sheets, material lists, and rental fees detailing the nature of the back charges. Backcharges shall be in the form

of an adjustment to the contract price or reduction in retained payments and not a direct payment. No incidental or consequential backcharges shall be allowed.

7. **DELIVERY.** The goods are sold F.O.B. manufacturing site, freight prepaid to Buyer at job site. Except as outlined in Paragraph 8 below, the risk of loss passes to Buyer after Hydro delivers the goods to the carrier. Hydro reserves the right to select the method of shipment and carrier. Delivery dates are approximate only and are not a guarantee of delivery on a particular day. Hydro is not liable for failure or delays in deliveries of any cause whatsoever beyond the control of Hydro.
8. **TITLE & INSURANCE:** Title to the product(s) and risk of loss or damage shall pass to Buyer upon delivery to a carrier as outlined in Paragraph 7 above, or, in the event Buyer delays shipment, by the previously agreed date of readiness for shipment, except that a security interest in the product(s) or any replacement shall remain in Hydro's name, regardless of the mode of attachment to realty or other property, until the full price has been paid in cash. Buyer agrees to protect Hydro's interest by adequately insuring the product(s) against loss or damage from any external cause with Hydro named as insured or co-insured.
9. **ERECTION:** Unless otherwise stated in writing, the goods provided hereunder shall be assembled and erected by and at the expense of Buyer.
10. **CANCELLATION & BREACH:** Orders placed cannot be canceled, nor shipments of goods made up, or in process, be deferred beyond the original shipment dates specified, except with Hydro's written consent and upon terms which shall indemnify Hydro against all loss. In the event of cancellation or the substantial breach of Buyer's obligations, as by failing to make any of the payments when due, the parties agree that Hydro will suffer a serious and substantial damage that will be difficult, if not impossible, to measure, both as of the time of entering into this purchase agreement and as of the time of such cancellation or breach. Therefore, the parties agree that, upon such cancellation or breach, Buyer shall pay to Hydro the sums set forth herein below, which sums the parties do hereby agree shall constitute agreed and liquidated damages in such event:
 - If cancellation or breach shall occur after the acceptance of the purchase order but prior to mailing of submittal documents by Hydro to Buyer, liquidated damages shall be 10% of the selling price.
 - If cancellation or breach shall occur within thirty (30) days from the mailing of submittal documents by Hydro to Buyer, the liquidated damages shall be 20% of the selling price.
 - If the cancellation or breach occurs after thirty (30) days from the mailing of submittal documents by Hydro to Buyer, but prior to notification that the order is ready for shipment, the liquidated damages shall be the total of 30% of the selling price plus the expenses incurred, cost of material, and reasonable value of the work expended to fill the order involved herein by Hydro's engineers and other employees, agents and representatives after the mailing of general arrangement drawings by Hydro to Buyer, said sums to be determined at the sole reasonable discretion of Hydro; provided, however, that the total liquidated damages under this provision shall not exceed the total selling price.
 - If cancellation or breach shall occur after Hydro has notified Buyer that the order is ready for shipment, then the liquidated damages shall be the total selling price, less costs associated with startup or field testing.
11. **MATERIALS OF CONSTRUCTION, PAINTS AND COATINGS:** Buyer is responsible for determining the suitability of, and for giving final approval of, the materials of construction, paints, coatings, etc. to be used by Hydro.
12. **WARRANTY:** Any product that proves defective in material, workmanship or design within twelve (12) months after delivery (or entry into storage) will be, at the discretion of HYDRO, modified, repaired or replaced, or Buyer's payment for the products will be refunded. This shall be Buyer's sole remedy. HYDRO EXPRESSLY EXCLUDES AND DISCLAIMS ANY WARRANTY OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR OTHER WARRANTIES, EXPRESS OR IMPLIED.

This warranty does not cover any defects or costs caused by: (1) normal wear and tear of equipment from designed operation. (2) modification, alteration, repair or service of the goods by anyone other than Hydro; (3) physical abuse to, or misuse of, the goods, or operation thereof in a manner contrary to Hydro's instructions; (4) any use of the goods other than that for which they were intended; (5) chemicals or components which were not disclosed to Hydro; (6) storage contrary to Hydro's instructions; or (7) failure to maintain the goods in accordance with Hydro's instructions.

This warranty does not apply to component parts of the goods that were not both originally designed and manufactured by Hydro, including, but not limited to, valves and controls. These component parts do not carry any warranties by Hydro, and only carry the warranties, if any, of their manufacturers.

In order for Buyer to make a claim under this warranty, Buyer must promptly, and within the warranty period, notify Hydro in writing of any defect(s) in the goods covered by this warranty. If any defect(s) in the goods covered by this warranty are visible at the time of delivery, Buyer must notify Hydro of the defect(s) in writing within five working days. To make any claim under this warranty, Buyer must also fully comply with written authorization and return instructions from Hydro.
13. **FIELD SERVICE:** Startup/Field Service will only be scheduled upon written request. Buyer shall notify Hydro of schedule requirements at least ten (10) working days in advance, or additional charges may be added to cover late-scheduled travel costs. Additional costs will be limited to those arising out of late-scheduled costs. Should Buyer have outstanding balances due Hydro, no startup / field service will be scheduled until such payments are received by Hydro. Hydro will send documents to Buyer defining the service or startup requirements. Buyer assumes all responsibility for the readiness of the system when it requests startup service. Should Hydro's Field Service Engineer arrive at the jobsite and determine that the system cannot be started up within a reasonable time, Hydro shall have the option to bring the Field Service Engineer home and bill Buyer for time, travel and living expenses. Additional field service is available from Hydro at the prevailing per-diem rate at the time of the request for service plus all travel and living expenses, portal-to-portal. A purchase order or change order will be required prior to scheduling this additional service.
14. **LIMITATION OF HYDRO'S LIABILITY.** Hydro assumes no liability or responsibility for the misuse of its products by Buyer, Buyer's employees, agents or assigns, or other use inconsistent with the use appropriate to the performance specification requirements submitted to Hydro, and Buyer agrees to indemnify and hold harmless Hydro for any loss, costs, expense or liability that it may incur or be put to as a result of misuse or inconsistent use of the products. In addition, Hydro shall have no liability to Buyer for any consequential or incidental damages incurred by Buyer in connection with the contract documents or the products purchased by Buyer. Hydro shall not be liable for any loss which results from delay in delivery caused by any

reason beyond its control, including, but not limited to, acts of God, casualty, civil disturbance, labor disputes, strikes, transportation or inability to obtain materials or services, any interruption of its facilities, or act of any governmental authority. The time for delivery shall be extended during the continuance of such conditions. The total liability of Hydro to Buyer in the form of liquidated damages for any loss, indemnity, damage or delay of any kind will not under any circumstances exceed 25% of the Contract Sum.

- 15. INTELLECTUAL PROPERTY.** Hydro shall retain sole ownership of all of its intellectual property used or produced in connection with the Project, including but not limited to all drawings, specifications, software, written materials, manuals, marks, business methods, and all other property that is capable of protection by a patent, copyright or trademark (whether or not such protection has actually been sought). Buyer shall not use such intellectual property except for the purpose of confirming the quality of design and/or manufacturing of the products and services set forth in the Proposal. Buyer shall not photocopy, duplicate or in any way copy such intellectual property except for the Buyer's internal purposes only (but not for rendering services or selling products to third persons). Buyer shall not sell, license, assign or transfer the intellectual property protected by this paragraph to anyone. Buyer shall ensure that Owner is in possession of valid licenses for all third-party software (not provided by Hydro) used for the Project, and shall indemnify and hold harmless Hydro against all claims by licensors of such software. Hydro makes no warranty regarding the effect of such third-party software on the performance of the software to be developed by Hydro for the Project and Hydro shall be released from any warranties given to Buyer to the extent that such software causes or contributes to problems. Following acceptance and final payment to Hydro, Hydro will grant to the Owner a non-transferable, non-exclusive license to use the software for the Owner's internal purposes only in the form of the license agreement attached as Exhibit A.
- 16. TAXES.** Prices stated herein do not include any tax, excise, duty or levy now or hereafter enacted or imposed, by any governmental authority on the manufacture, sale, delivery and/or use of any item delivered. An additional charge will be made therefore and paid by Buyer unless Hydro is furnished with a proper exemption certificate relieving Hydro of paying or collecting the tax, excise, duty or levy in question.
- 17. INTERPRETATION OF CONTRACT.** This contract shall be construed according to the laws of the State of Maine.
- 18. CHOICE OF FORUM.** Buyer and Hydro hereby consent and agree that the United States District Court for the District of Maine or the District Court or Superior Court located in the City of Portland, County of Cumberland, Maine will have exclusive jurisdiction over any legal action or proceeding arising out of or relating to the contract documents, and each party consents to the personal jurisdiction of such Courts for the purpose of any such action or proceeding. Buyer and Hydro further hereby consent and agree that the exclusive venue for any legal action or proceeding arising out of or relating to the contract documents will be in the County of Cumberland, Maine. Each party hereby waives all rights it has or which may hereafter arise to contest such exclusive jurisdiction and venue.
- 19. ATTORNEYS' FEES.** If any judicial or non-judicial proceeding is initiated for the purpose of enforcing a provision of this contract, the prevailing party shall be awarded reasonable attorneys' fees in addition to all other costs associated with the proceeding, whether or not the proceeding advances to judgment.
- 20. SEVERABILITY.** If any provisions of this contract are held invalid by a court of competent jurisdiction, the remainder of this contract shall not be rendered invalid, and such invalid provisions shall be modified, in keeping with the letter and spirit of this contract, to the extent permitted by applicable law so as to be rendered valid.
- 21. ANTI-BRIBERY.** Hydro International will not engage in any form of bribery or corruption. The offering, giving or receiving of bribes is contrary to Hydro International's values and can play no part in the way in which it carries out its business. Hydro requires you to support our approach and implement provisions consistent with our policy through your own organization and your supply chain. Please find a copy of our Anti-Bribery and Corruption Policy on our website at <http://plc.hydro-intl.com/content/view/296/247/>



Budget Pricing			
----------------	--	--	--

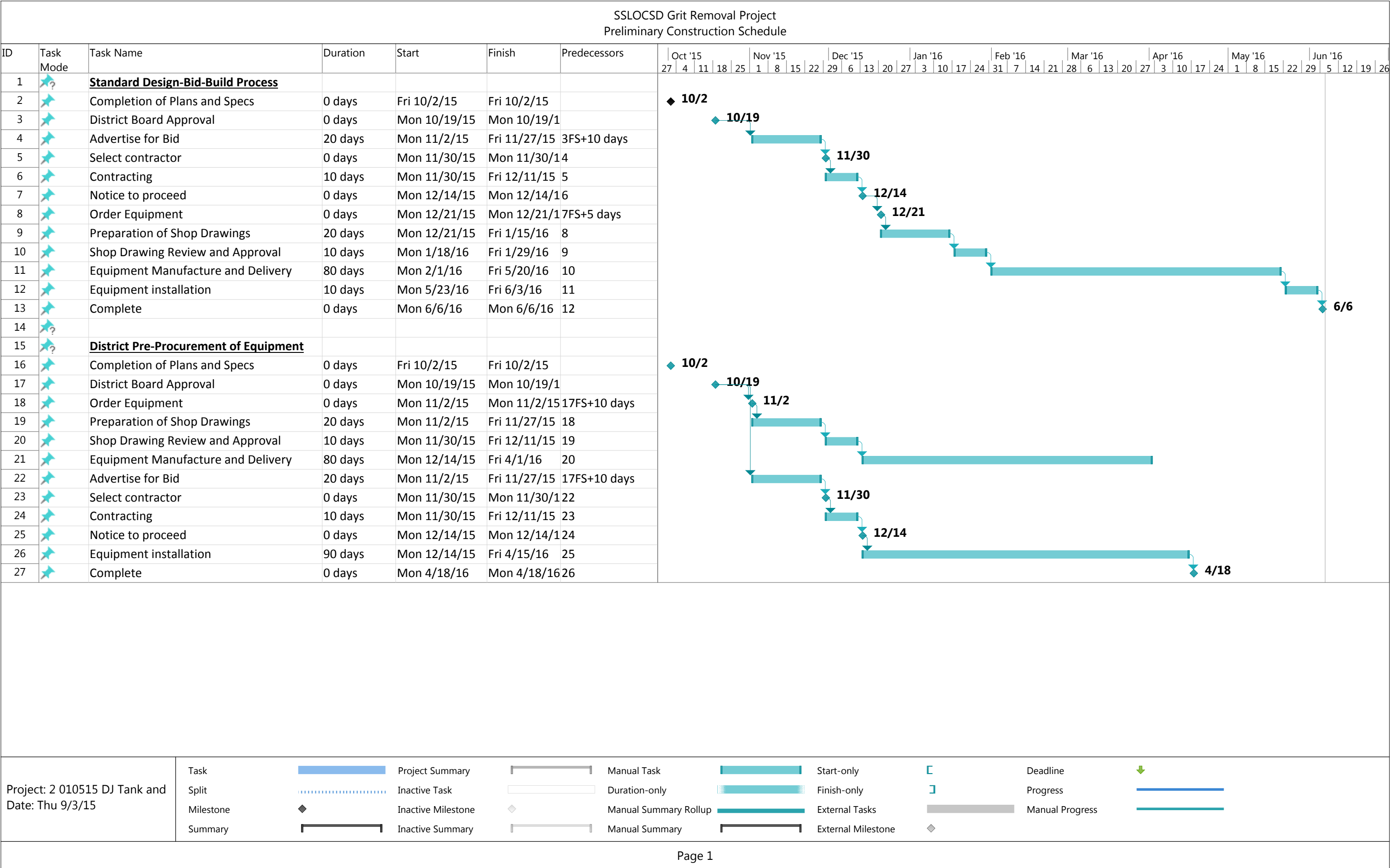
Project Name:	Oceano, CA SSLOCDS	Date Prepared:	September 25, 2015
Project Number:	14-3092-G	Engineer:	MKA & Associates

Equipment	Quantity	Price
Primary Grit Removal 5 mgd/unit		
10 ft FSU 212 micron Grit King® Grit Removal unit	1	
Inlet pipe, Discharge channel with drop pipe, 304 Stainless Steel	1	
Fluidizing ring, 316 Stainless Steel	1	
Hydro-Brake® Valve, 316 Stainless Steel	1	
Classifier		
11" Spiral, 304 Stainless Steel housing, Carbon Steel Spiral	1	
Complete with drive unit	1	
Control Panel		
NEMA 4X, 316 Stainless Steel Enclosure, 480 VAC, Three Phase, VFD Programmable Relay	1	
Freight		
Freight to Jobsite	1	
Start-up		
One (1) factory representative for two (2) trips for a total of four (4) days	1	
Total Proposal Budget Price :		<u><u>\$283,000.00</u></u>

Budget Adder Summary		
----------------------	--	--

Primary Grit Removal Access Platform		
Aluminum grating, handrails and steep ship stairs	1	
		<u><u>\$21,000.00</u></u>
Seismic Certification	1	
		<u><u>\$5,000.00</u></u>

Terms & Conditions: As defined by Hydro International standard Terms & Conditions.





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.us

Staff Report

To: Board of Directors
From: John Clemons, Acting District Administrator
Date: October 07, 2015

Subject: Consideration of Resolution pledging to follow best practices of civility and civil discourse in all meetings.

RECOMMENDATION:

Staff recommends the Board adopt the attached resolution pledging to follow best practices of civility and civil discourse in all meetings.

BACKGROUND:

At the September 16, 2015 Board of Directors meeting, the League of Women Voters of San Luis Obispo County (LWV of SLO County) made a presentation entitled "Empowering Our Communities Through Civil Civic Engagement".

DISCUSSION:

Following a presentation to the Board regarding civility and civil discourse during public meetings, the LWV of SLO County requested the Board adopt a resolution pledging to follow best practices of civility and civil discourse in all meetings. Adoption of the attached resolution shows a commitment to building a civil political community in which each person is respected and spirited public and political debate is aimed at the betterment of the community.

OPTIONS:

1. Adopt the resolution;
2. Modify and adopt the resolution;
3. Do not take any action at this time; or
4. Provide direction to staff.

John Clemons
Acting District Administrator

Attachment:

1. Resolution re Pledge to Follow Best Practices of Civility and Civil Discourse During Board Meetings

RESOLUTION NO. _____

**A RESOLUTION OF THE SOUTH SAN LUIS OBISPO COUNTY
SANITATION DISTRICT PLEDGING TO FOLLOW BEST PRACTICES
OF CIVILITY AND CIVIL DISCOURSE IN ALL OF ITS MEETINGS**

WHEREAS, we, the District Administrator, Board Members, Committees, Appointees, and staff of the South San Luis Obispo County Sanitation District, in order to ensure civility and civil discourse in all of our meetings, pledge our commitment to the following best practices of civility and civil discourse;

WHEREAS, we pledge our commitment to respect the right of all people to hold different opinions in all our meetings;

WHEREAS, we pledge our commitment to avoid rhetoric intended to humiliate, malign, or question the motivation of those whose opinions are different from ours in all our meetings;

WHEREAS, we pledge our commitment to strive to understand differing perspectives in all our meetings;

WHEREAS, we pledge our commitment to choose words carefully in all our meetings;

WHEREAS, we pledge our commitment to speak truthfully without accusation, and avoid distortion in all our meetings;

WHEREAS, we pledge our commitment against violence and incivility in all their forms whenever and wherever they occur in all our meetings.

WHEREAS, we commit ourselves to building a civil political community in which each person is respected and spirited public and political debate is aimed at the betterment of the South San Luis Obispo County Sanitation District and not the disparagement of those with whom we disagree.

NOW, THEREFORE, BE IT RESOLVED by the South San Luis Obispo County Sanitation District this 7th day of October, 2015, by the following called vote:

AYES:

NOES:

ABSENT:

District Manager, John Clemons

Chair, Mayor Jim Hill

IN WITNESS WHEREOF, I hereby certify that the foregoing resolution was duly and regularly introduced and adopted at a regular meeting of the South San Luis Obispo County Sanitation District this 7th day of October, 2015.

Amy Simpson
District Secretary

APPROVED AS TO FORM:

Jena Shoaf
Legal Counsel