SSCSD mtg 1-11-06 6:30 pm

Roll Call - All directors present ~~absent with notice~~
GM O'Neill - Schultz not present
present

Public Comments
Mattresses
Bills

Sheriff Reports - Commander Ben Hall made presentation

Cal-Thaws
Fuel Surg.

Staff Report (GM)

* Check on Ethics classes

Business

Minutes Approval December
Motion - Russell
Second - Lonie
Approval - All
Exceptions - None

Warrants Approval December
Motion - Kioch
Second - Russell
Approval - All
Exceptions - None

Adenda Items - Request for wait list addition and process for doing so. Next Mtg.

Board of Directors-Regular Meeting
San Simeon Community Services District
MINUTES
Wednesday, December 14, 2005 6:30 PM
Cavalier Banquet Room

CALL TO ORDER
1.1 Roll Call: The meeting was called to order by Chairman Lambeth. All directors were in attendance.

2.1 SHERIFF'S REPORT- None present.

2.2 PUBLIC COMMENT- None.

3.1 GENERAL MANAGERS REPORT
3.1.1.1 Collection System Repairs: General Manager Tom O'Neill reported that the Collections Systems Repairs are 50% complete. The remaining repairs should be finished within 2 ½ weeks, weather permitting.

3.1.1.2 Web Page Design: The web designer M29 is designing the site for the San Simeon Community Services District. They provided two examples of front page web layouts for the board to choose from. Director Fields said he would like to see more original pictures of San Simeon on the website. Also mentioned was that the mission statement should be placed on the front page along with the San Simeon seal and all the links should be on the left side. The Board directed staff to return with a front page design that removed the pictures and incorporated only the SSCSD seal, the mission statement and links displayed on the left hand side of the page.

3.1.1.3 Curb and Valve Cover Painting: Mr. O'Neill reported two bid proposals for the project. The first bid was for over $7000 and Mr. O'Neill suggested using the second bid for approximately $1500 plus the cost of paint. The contractor "Just Painting" will also mark the sewer drains "Flows to Ocean, Do Not Dump" for an additional cost.

3.1.1.4 RWQCB Mandatory Minimum Penalty Order: The Regional Water Quality Control Board has approved the recommendation for $19,500 of the $24,000 penalty to be applied to the Supplemental Environmental Project (SEP) which will fund the Tertiary Treatment Upgrade of the Wastewater Treatment Plant. A check has been sent to the State Water Resources Control Board for the remaining $4,500. The total amount in the construction account is now $99,000.

3.1.1.5 Immediate Wastewater Plant Repairs Proposals: Jon Hanlon of Boyle engineering was present and reported that the proposals for the plant repairs were significantly overpriced. Other options will be explored before determining when work will begin. Staff will request from those who submitted proposals to resubmit based on

time and materials contract and make a determination on which company to contract with. Staff will report back at next meeting.

3.1.2 SUPERINTENDENT'S REPORT: Facility Manager Dan Daniels reported that there were no exceedances for the month. The board members and staff discussed the million gallon difference between the wastewater treated and the water produced. Mr. Daniels said he would follow up with Hearst Castle to see how they are measuring flow. Staff will look into the large variance between water pumped and sewage treated and will report back to the board at the next meeting. Mr. Daniels also reported that water meters should be replaced at least every 10 years for accuracy.

3.1.3 OTHER REPORTS

3.1.3.1 District Financial Statement July through October 2005: The statement was provided by Mr. O'Neill and discussed in short among him and the board members.

3.2 DISTRICT COUNSEL REPORT: District Counsel Rob Schultz reported the District authorized Cannon Associates to begin work on a study requested by the Coastal Commission before the District's rip-rap application would be considered complete. Part of the required studies had already been completed by EDA and John Wallace & Associates some years ago. The Coastal Commission has indicated they would submit comments on the District's plans to upgrade the WWTP to tertiary and how it relates to the current rip-rap application. Mr. Schultz reminded the Board that the District has contracted with Boyle Engineering to perform the necessary engineering work for the tertiary upgrade and with Cannon Associates to perform the necessary permitting work as it relates to the Coastal Commission and rip-rap work. Mr. Schultz stated that it now seems that both the tertiary upgrade and the rip-rap projects may come together at the Coastal Commission and that meetings with the Costal Commission may be required. Mr. Schultz's, with support of the General Manager, recommended we discontinue the District's contract with Cannon Associates and contract with Boyle Engineering to pick up where Cannon left off. Mr. Schultz also stated that this is not a negative reflection on the work Cannon has performed for the District but it was an economical recommendation that the District did not need to be paying two engineering firms for projects that now appear to be merging. The Board approved the recommendation and directed staff to make the changes.

4.1 ITEMS OF BUSINESS

4.1 Approval of Minutes for November 9, 2005

Motion made by Director Russell
Second by Director Mirabal-Boubion
Approved 5-0

4.2 Approval of Minutes for Special Meeting November 22, 2005

Motion made by Director Russell
Second by Director Kiech
Approved 4-0, Director Mirabal-Boubion abstained because she was not present at the meeting

4.3 Approval of Warrants November 1-November 31, 2005
Motion made by Director Russell
Second by Director Kiech
Approved 5-0

5. DISCUSSION/ACTION ITEMS
5.1 Approval of Extension of Emergency Condition Exits Regarding the San Simeon Community Services District Wastewater Treatment Plant:
Motion made by Director Russell
Second by Director Kiech
Approved 5-0

5.2 Approval of Ordinance 101 Establishing Water\Sewer Service Allocation Transfer Requirements: Approved once exhibit B is attached listing the Chevron property as the only known non–active service commitment and exhibit C is attached listing those properties on the water wait list.
Motion made by Director Russell
Second by Director Fields
Approved 5-0

5.3 Approval of Resolution 5-309 Office of Emergency Services Designation of Agent to provide on all matters pertaining to State Disaster Assistance: The resolution appoints the District Manager as the District's authorized agent for disaster claims.
Motion made by Director Russell
Second by Director Mirabal-Boubion
Approved 5-0

5.4 Approval of Boyle Task Order 7-05 Development of District Water Master Plan:
Motion was approved and staff was directed to report back to the board at the January meeting on whether to use general funds or funds set aside from increased water rates to fund the project.
Motion made by Director Russell
Second by Director Kiech
Approved 5-0

5.5 Approval of Underwater Resources Proposal for Outfall Inspection as required by RWQCB: Outfall inspection is required before the end of the year.
Motion made by Director Mirabal-Boubion
Second by Director Russell
Approved 5-0

5.6 Election of Board Chairperson and Vice Chairperson for 2006: Terry Lambeth was nominated as Chairperson and John Russell was nominated for Vice Chair.
Both nominees approved 5-0

5.7 BOARD COMMITTEE REPORTS-Discussion\Approval to move monthly board meetings to Thursdays: The item was pulled from the agenda until January to determine room availability at the Cavalier.

5.8 BOARD REPORTS: Letter from Chairperson Lambeth: The letter will be printed on SSCSD letterhead and sent to residents in the final billing of the year. First, District Counsel will make an addition to the letter regarding the rip-rap process.

6. Board/Staff General Discussions and Proposed Agenda Items

Director Mirabal-Boubion received an email from CSDA (California Special Districts Association) mentioning mandatory ethics training. District Counsel Schultz said he would look into the requirements. Mr. O'Neill mentioned the Chamber of Commerce is hosting a Holiday Mixer on December 22nd in the Cove Room at the Cavalier. Finally, a question was asked about the power failure at the plant and the generator not starting. Mr. O'Neill said PG&E mentioned there was no power failure by definition. The generator, according to findings by Cummins West, is thought to have had a starter problem which, in turn, drained the battery. The disruption interrupted pumps which caused approximately 50 gallons of wastewater to go to the outfall. Mr. O'Neill said the biggest problem was that the high level indicator didn't alarm. The issue was reported to the appropriate authorities, no agency has contacted staff.

7. ADJOURNMENT

Tom

Board of Directors – Regular Meeting
San Simeon Community Services District
AGENDA
Wednesday January 11, 2006 6:30 PM
Cavalier Banquet Room

Note: All comments concerning any item on the agenda are to be directed to the Board Chairperson.

1. 6:30 PM – REGULAR SESSION
   1.1 Roll Call
   1.2 Pledge of Allegiance

2. PUBLIC COMMENT:
   Any member of the public may address and ask questions of the Board relating to any matter within the Board's jurisdiction, provided the matter is not on the Board's agenda, or pending before the Board. Presentations are limited to three (3) minutes or otherwise at the discretion of the Chair.

   2.1 Sheriff's Report
   2.2 Public Comment

3. STAFF REPORTS
   3.1 General Manager Report
      3.1.1 Current Project Report
         3.1.1.1 Web Page Design Update
         3.1.1.2 Immediate Wastewater Plant Repairs Proposals
         3.1.1.3 Boyle Rip-Rap Proposal
         3.1.1.4 Rescinding of Stage 1 Water Conservation Plan
      3.1.2 Superintendent Report
         3.1.2.1 Water & Wastewater Operation Report
      3.1.3 Other Reports
   3.2 District Counsel Report

4. ITEMS OF BUSINESS
   4.1 Approval of Minutes – December 14, 2005
   4.2 Approval of Warrants –December 1, 2005 – December 31, 2005

5. DISCUSSION/ACTION ITEM
   5.1 Board Committee Reports.
   5.2 Board Reports.

6. BOARD/STAFF GENERAL DISCUSSIONS AND PROPOSED AGENDA ITEMS CDF Request

7. ADJOURNMENT

GENERAL MANAGERS REPORT
FOR JANUARY 2006
SAN SIMEON CSD BOARD MEETING

3.1.1.1 – Web page Design Update – M29 was given the Boards request to eliminate any pictures on the main page of the website and to only include the District's Seal on the main page. They were also directed to place any links down the left hand side of the main page and to place the District's Mission Statement on the main page. After these changes M29 believes that they will have a product to present at the February meeting for Board approval.

3.1.1.2 – Immediate Wastewater Plant Repairs Proposal – Alan Larsen of CR Larsen Company has been chosen to make the necessary repairs to the wastewater plant as identified by Boyle Engineering's Technical Memo for Task Order 6-05 (see attached memo). The contract that Rob Schultz has prepared specifies that the work and materials shall not exceed $107,850 (see attached memo 5-05). Alan Larsen will make the determination as to the materials required for the repairs but has requested that the District do the actual purchasing of high dollar materials or equipment. This will save the District money as there will not be a mark-up on the materials or equipment purchased directly by the District. Staff will need the ability to issue checks for materials on an as-needed basis and recommends that the Board allow staff to request checks from GBP&B to pay for the required materials or equipment. These checks will still require the signature of two Board Members. A full accounting will be presented to the Board at each regular meeting until all work is completed and approved.

3.1.1.3 – Boyle Engineering Rip-Rap Proposal – Boyle is still working on the Task Order that will be associated with the rip-rap permitting. This Task Order will replace the one that was issued to Cannon Associates and cancelled at the direction of the Board at the last meeting. Boyle's Task Order will be ready for Board review and approval at the February meeting.

3.1.1.4 – Rescinding Stage 1 of the Water Conservation Plan – Included in your Board packets is the latest well level chart (through December). As you see the average well level is above the 18 year average and is tracking upward and in addition Pico Creek is running to the ocean. Based on this information and as required by the Water Conservation Plan the General Manager will be issuing a letter to all residential, retail and commercial water users that the Stage 1 water conservation requirements have been rescinded.

Schultz Contract-
Supplement at meeting

MEMORANDUM

TO: Tom O'Neill
Charlie Grace
San Simeon Community Services District

September 26, 2005

FROM: Jon Hanlon, PE
Ron Abraham, PE
Boyle Engineering Corporation

SUBJECT: **Technical Memorandum 5-05**
Recommendations for Immediate Improvements to the San Simeon Community Services District Wastewater Treatment Plant

1. BACKGROUND AND SCOPE OF WORK

The purpose of this Technical Memorandum is to prioritize the "Immediate Improvements" identified in Boyle Technical Memorandum 4-05, and to provide conceptual cost opinions for the improvements and associated engineering fees. District Staff has indicated that Boyle would manage and direct work to be performed by the District's contractor.

Our Scope of Work included the following:

- Attend an onsite meeting with District staff. Principal Engineer and Associate Engineer to meet with District staff to discuss improvements and repairs.
- Prepare a memorandum summarizing recommendations and submit to the District for review.

2. PLANT WALKTHROUGH AND EVALUATION

On September 9, 2005, Boyle attended a site visit and met with District staff. The following issues were discussed:

Immediate Improvements – High-priority maintenance and improvements that could significantly improve the operation of the plant.

1. Dewater Clarifiers to facilitate:

- **Retrofitting launders with V-notch weirs** – During the walkthrough, we observed sludge bulking in clarifier 1. Upon inspection, it was noted that the launder was not perfectly level, causing the water to back up behind portions of the weir.

  Major limitations of the straight weir configuration are that they must be perfectly level, and any contamination on the face of the weir will disrupt the flow. We recommend that the launders be retrofitted with gasketed, bolt-on V-notch weirs. V-notch weirs are less sensitive to leveling and contamination, and could improve the bulking problem in the clarifiers.

- **Replace flights and baffling in clarifiers** – The existing sludge collectors include flights that may significantly exacerbate the suspended solids problems in the plant effluent by scooping settled sludge and carrying it to the water surface. Boyle recommends replacing

the flights or retrofitting with domed covers on the flight face.

Also, the wooden baffles in the clarifiers are beyond their useful life and should be replaced. We recommend that the top baffle be trimmed so that there is an 18-inch opening on each end of the baffle, next to the clarifier wall. The majority of the baffle would extend approximately 4 inches above the water surface, while the notched openings would be approximately 1 inch below the water surface. Operators could then spray sludge from the water surface (behind the baffle) to be picked up by the skimmers. This would significantly aid in clarifier maintenance, and would greatly reduce odor and solids carryover.

- **Replace skimmers** – The scum skimmers in sedimentation basin #1 are not functioning and must be replaced.

- **Reconfigure return activated sludge (RAS) pump piping** – According to District staff, the RAS pumps are operating inefficiently, and are difficult to adjust. It has also been noted that the RAS flow is very turbulent. This may be due to the piping configuration of the RAS headers. The air release stack of the header is located off of the main RAS line, making it difficult to expel the air. Consequently, much of the air is being discharged through the RAS line causing the "burping." We feel that rearranging the piping might significantly improve the performance of the RAS pumps, and we recommend that this be attempted before considering replacement of the pumps. The piping could be improved with the existing fittings, and the addition of one elbow per basin. It may also be necessary to replace the ¾ -inch and 2-inch valves that control air flow. Also, as mentioned in Boyle Tech Memo 4-05, the 4-inch shutoff valve on the RAS manifold in clarifier 1 is on the wrong side of the air stack, resulting in the vent being non-operational. This valve position should be reversed.

  Though it may be possible to improve RAS pump performance without replacing equipment, the submerged portion of the RAS pumps should be inspected thoroughly when the basin is dewatered for repairs.

- **Add inlet manifolds on RAS pump inlets** – The RAS pumps pick up sludge through a 4-inch inlet positioned behind the inlet baffling. The 4-inch inlet pipe could have high inlet velocities, causing rat-holing of the sludge blanket in the vicinity of the inlet pipe. This phenomenon results in pumping very dilute sludge (which we observed during our site visit), and can cause "dead zones" in the activated sludge blanket. Inlet velocities can be reduced by fabricating an inlet manifold on the RAS pump inlets. These manifolds would "tee" off of the existing 4-inch inlet and would pick up sludge across the entire width of the clarifier. The manifolds could likely be fabricated from materials available at home improvement stores.

- **Repair or replace valves/gates in aeration basins** – According to District staff, the gates/valves between the aeration and sedimentation basins do not function properly. These gates are located below the sludge blanket and should be closed to prevent disruption of the sludge blanket in the clarifiers.

2. **Improve screening in the chlorine contact chamber (CCC)** – Although a major reconfiguration of the CCC should be considered a "short term improvement", District staff is making immediate improvements to the screening in the existing CCC.

   In addition to the ongoing improvements, we recommend the installation of a baffle just before the outlet weir to provide a final barrier for floatables.

   The District may also consider the addition of a self-cleaning filter in the channel flowing from the clarifiers.

3. **Headworks Improvements:**

   - **Provide baseline flow** – Due to the lack of influent monitoring and the plant's inability to control baseline flow, the headworks are configured such that 100% of the influent passes through the headworks and flows to the equalization basin. Raw sewage is then pumped out of the equalization basin, back towards the headworks splitter box where it "tees" into the influent branch (just downstream of the splitter box).

     This mode of operation causes several problems. First, **100%** of the water has to be pumped back to the headworks, resulting in unnecessary O&M costs. Secondly, during the night, the level in the equalization basin drops to the point that it is necessary to shut off the transfer pumps for a few hours. This disruption in the steady operation of the plant can disturb the treatment process and significantly impact the quality of the effluent.

     Boyle recommends that the headworks be reconfigured to provide a steady baseline flow to the plant. This would be accomplished by installing a weir on the plant influent line (just downstream of the grinder), and a higher weir on the line that flows to the equalization basin. In this way the plant would have a baseline flow, with excess flows diverted to the equalization basin. During periods of low flow, raw sewage in the equalization basin could be pumped to the headworks without disrupting the treatment process.

     Once influent flow metering is improved (see below) and flow patterns are established and studied, it can be determined if further equalization basin level control is required.

   - **Influent flow metering** – Currently there is no mechanism for monitoring influent flow or diurnal patterns. Installation of an influent flow metering device would be beneficial to plant operations and process control, and will be required for future improvements. Boyle recommends the installation of a Palmer-Bowlus or similar flume type flowmeter on the equalization basin branch of the influent line. This meter could be located adjacent to the splitter box at the headworks, and would allow operators to determine influent flow (in conjunction with the existing Parshall flume meter). This type of flow meter is relatively low cost, and requires little maintenance.

   - **Improve site drainage** – The low point of the facility is located between the CCC and the equalization basin. There is no drain to collect pooling water and divert it to the equalization basin. Furthermore, the main opening through the containment wall is

blocked to comply with RWQCB regulations. Installing a manhole drain to the equalization basin in this location would provide several benefits. First, it would contain storm runoff and allow for site washdown. Secondly, it would provide some protection in the event of hydraulic overloading of the plant. For example, if a clarifier overflowed, the sewage would flow to the drain and back to the equalization basin, rather than making its way into the CCC and discharging to the ocean.

This improvement is being recommended as an "Immediate Improvement" because it would be necessary to provide a safety margin to accompany the "baseline flow improvements" at the headworks.

4. **Mechanisms to transfer sludge and supernatant from digester** – We recommend that the District purchase an electric centrifugal pump to transfer supernatant and sludge from the digester (note that it is currently being used as a sludge holding tank).

   Permanent suction intakes could be installed in the digester; one intake drawing from the bottom of the digester to pick up sludge, and one intake coupled to a floating inlet to pick up supernatant. Cam-lock fittings would provide convenient pump attachment at each location.

Non-Critical Items – Items downgraded to "Short Term Improvements"

- **Aerobic digester and sludge wasting** – The aeration piping for the digester does not facilitate addition of air through the injection outlets. Consequently, the aerobic digester is being used as a sludge holding basin. Repairing the air injection in the digester will be important in reducing the operational costs of the plant, but is not critical in helping keep the plant in compliance. Boyle recommends that the District address this issue as a "Short Term Improvement."

- **Aeration basin configuration** – After discussing the costs and benefits associated with reconfiguring the sequencing capabilities of the aeration basins with District Staff, Boyle recommends that the District address this issue as a "Short Term Improvement."

- **Re-route flow from reactors to clarifiers** – Re-routing the clarifier flow is a significant undertaking, with considerable costs. Boyle recommends that the District accomplish "Immediate Improvements" before addressing this work.

- **Install clarifier effluent diversion piping** – Install piping and valving at the end of the clarifier effluent channel to allow effluent to be diverted to the equalization basin. This would allow for temporary effluent storage in the event of poor effluent quality, of during tertiary and/or CCC cleaning events.

3. CONCLUSIONS AND RECOMMENDATIONS

Boyle recommends that the District implement "Immediate Improvements" to increase plant reliability and improve treatment performance. The following table prioritizes the recommended improvements based on cost/benefit criteria, and provides a conceptual opinion of probable cost. Items that would be performed simultaneously, or are complimentary improvements have been grouped together.

Table 1
Prioritization of "Immediate Improvements" and Engineer's Opinion of Probable Cost

Priority	Description	Engineer's Opinion of Probable Cost
1	**Dewater clarifiers to facilitate:**	$33,000
	· Replacement of flights and baffling in clarifiers	
	· Replacement of skimmers (sedimentation basin #1)	
	· Repair or replacement of valves/gates in aeration basins	
	· Retrofitting launders with V-notch weirs	
	· Reconfigure return activated sludge (RAS) pump piping	
	· Add inlet manifolds on RAS pump inlets	
2	**Improve screening in existing chlorine contact chamber**[1]	$0
3	**Headworks Improvements**	
	· Provide baseline flow	$11,000
	· Influent flow metering	$11,000
	· Improve site drainage	$6,000
4	**Mechanism to transfer digester sludge, and return supernatant to equalization basin**	$8,000
	Construction Subtotal	$69,000
	Contingency (30%)	$20,700
	Engineering Support (preliminary design and assistance during construction)[2]	$18,150
	TOTAL	**$107,850**

[1] It is assumed that District operators will perform this work. Incidental materials may be required.

[2] Engineering Scope and budget will be refined

Task Order 6-05

SAN SIMEON COMMUNITY SERVICES DISTRICT ("DISTRICT")

AND

BOYLE ENGINEERING, A PROFESSIONAL CORPORATION ("CONSULTANT")

This Task Order is issued by DISTRICT and accepted by CONSULTANT pursuant to the mutual promises, covenants, and conditions contained in the Agreement between the above named parties dated the 8th day of February 2005.

I. PURPOSE

The purpose of this Task Order is to obtain engineering services to assist the District in the Design and implementation of the "immediate improvements" to the wastewater treatment plant as outlined in Boyle Technical Memorandum 5-05.

II. SCOPE OF WORK

In developing this Scope of Work it was assumed that the District will proceed with the project under "Emergency Status," and that the District will select one contractor to perform all of the work. We believe that the District would benefit considerably by using a single contractor.

As part of the Scope, Boyle will provide a Technical Memorandum (TM) recommending replacement parts or modifications. Because it is not cost effective to perform a comprehensive evaluation of the existing equipment by taking major portions of the plant offline, the recommendations will be based on the assumption that the existing support equipment and appurtenances are in good working condition and that direct replacement or modification is possible. If conditions are such that the Contractor cannot implement the recommendations (e.g. due to degradation of facilities or appurtenances), further assessment and evaluation of specific conditions will be required in order to determine suitable resolution, and a Scope and Budget Revision will be submitted for approval.

We have also assumed the availability of replacement parts and materials. Some of the equipment and materials in service at the facility are quite dated and direct replacements may not be available. If replacements are no longer available, or if supporting structures have deteriorated beyond their useful life, a Scope and Budget Revision Request may be required in order to provide a suitable alternative.

Finally, little is known about below grade equipment and utilities. We have assumed that there will be no conflicts with existing underground equipment or utilities. The District and their contractor will be responsible for identifying and preserving existing underground equipment.

The following describes the Scope of Work to be performed by the Consultant.

Subtask 100 – Bid and Pre-Bid Phase Services

- **Technical Memorandum – material and equipment** – Boyle will prepare a Technical Memorandum recommending replacement equipment or modifications (including vendor information and/or sketches where appropriate) for the following:
    - Flights and baffling in clarifiers.
    - Replacement skimmers.
    - Replacement valves/gates in aeration basins.
    - V-notch weir retrofits for launders.
    - RAS pump piping reconfiguration to reduce burping and improve RAS pump performance.
    - Inlet manifolds on RAS pump inlets - The final configuration of the RAS manifolds may need to be optimized in the field. It is assumed that field optimization of the manifolds will be performed by District staff.
    - Adjustable weirs on influent lines.
    - Flume type flowmeter on equalization basin influent line.
    - Drainage manhole near chlorine contact chamber – We anticipate a drain (manhole up to 6 feet deep) that flows by gravity to the equalization basin.
    - Electric pump to transfer sludge and supernatant from digester.

- **Contractor Job Walk** – Boyle will meet with up to two contractors (preferably on the same day to minimize District expense) to describe the project and answer questions.
- **Bid Schedule** – Boyle will provide a summary of the equipment and modifications recommended in the Technical Memorandum to each contractor as a uniform bid document.

Subtask 200 – Construction Phase Services

- **Technical Submittals** – Boyle will review technical submittals (approximately 12).
- **Requests For Information (RFIs)** – Boyle will be available by telephone to respond to RFIs. A log of questions and responses will be kept and will be available for District review.
- **Site Visits** – Boyle will perform up to four site visits (4 hours each) to make specialty or progress inspections, and to answer District or Contractor questions.
- **Payment Requests** –Boyle will review payment requests to assure that the work for the payment requested has been completed.

Subtask 300 – Startup Services

- **Final Walkthrough** – Boyle will perform a final walkthrough and provide a completion checklist to the District and Contractor.
- **Startup Assistance** – Boyle will provide up to 24 hours of startup assistance, including recommendations for initial settings.

Work to be performed by District:

- Dewater and de-sludge clarifiers in preparation for repairs
- Determine depth and capacity of digester
- Estimate maximum and minimum influent flows for weir and flowmeter sizing
- Review non-technical bid and contract submittals

Optional items not included in Scope of Work:

- Permitting – It is our understanding that there are no required permits associated with this project
- Chlorine contact chamber screening – According to District staff, additional screening in the CCC will be implemented by the District. This Scope does not include design of a self-cleaning filter near the discharge of the clarifiers.

- Attendance of District Board meetings
- Detailed plans and specifications

III. PROJECT SCHEDULE

Boyle will submit a Draft Technical Memorandum to the District within 45 days of Notice to Proceed. We expect to meet with contractors within 14-28 days to discuss bids and informal cost estimates, and to determine Contractor's interest in the project. Weather conditions and District availability may affect the timing of this work.

Contractor availability, and the ability to obtain one Contractor to perform all tasks will likely be a major component to the project schedule.

IV. PROJECT BUDGET

Compensation for scope of services described herein will be made on a time and materials basis with a budget maximum of $22,786 which will not be exceeded without written authorization from the District.

V. PAYMENT

CONSULTANT shall perform the proposed Scope of Work in accordance with the project budget estimate. Services shall be invoiced monthly on an accrued cost basis. Total fees shall not exceed the estimated fee of $22,786 without additional written authorization from the District.

EFFECTIVE DATE

This Task Order No. 6-05 is effective as of the 28th day of September, 2005.

IN WITNESS WHEREOF, duly authorized representatives of the DISTRICT and of the CONSULTANT have executed this Task Order No. 6-05 evidencing its issuance by DISTRICT and acceptance by CONSULTANT.

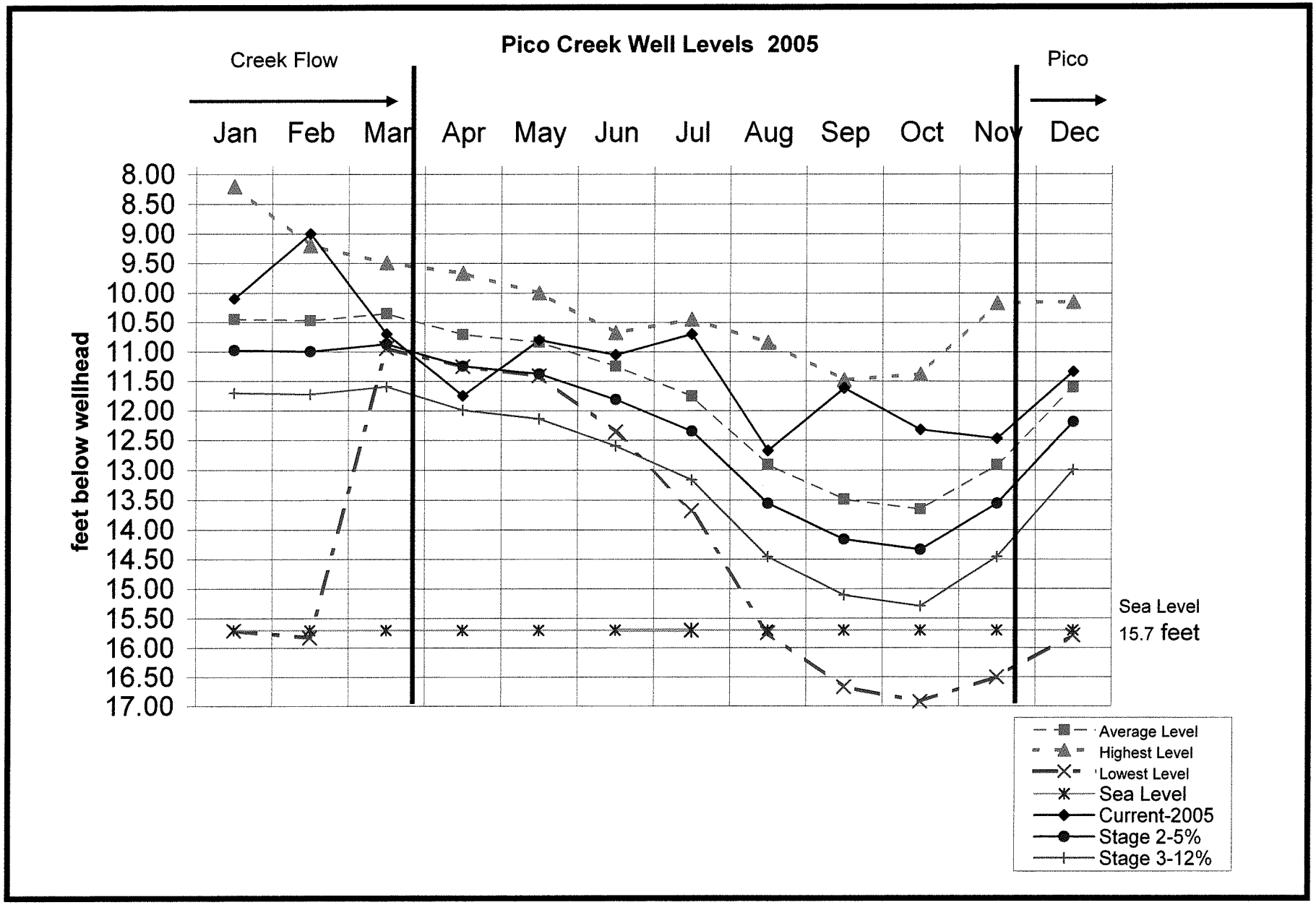
BOYLE ENGINEERING,
A California Corporation

By: _____
Michael Nunley
Branch Manager

SAN SIMEON COMMUNITY SERVICES
DISTRICT

Accepted this 28th day of September, 2005

By: _____
Tom O'Neill
San Simeon Community Services
District


Pico Creek Well Levels 2005
Creek Flow
Pico
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
feet below wellhead
8.00
8.50
9.00
9.50
10.00
10.50
11.00
11.50
12.00
12.50
13.00
13.50
14.00
14.50
15.00
15.50
16.00
16.50
17.00
Sea Level
15.7 feet
Average Level
Highest Level
Lowest Level
Sea Level
Current-2005
Stage 2-5%
Stage 3-12%

Superintendent Monthly Data Report

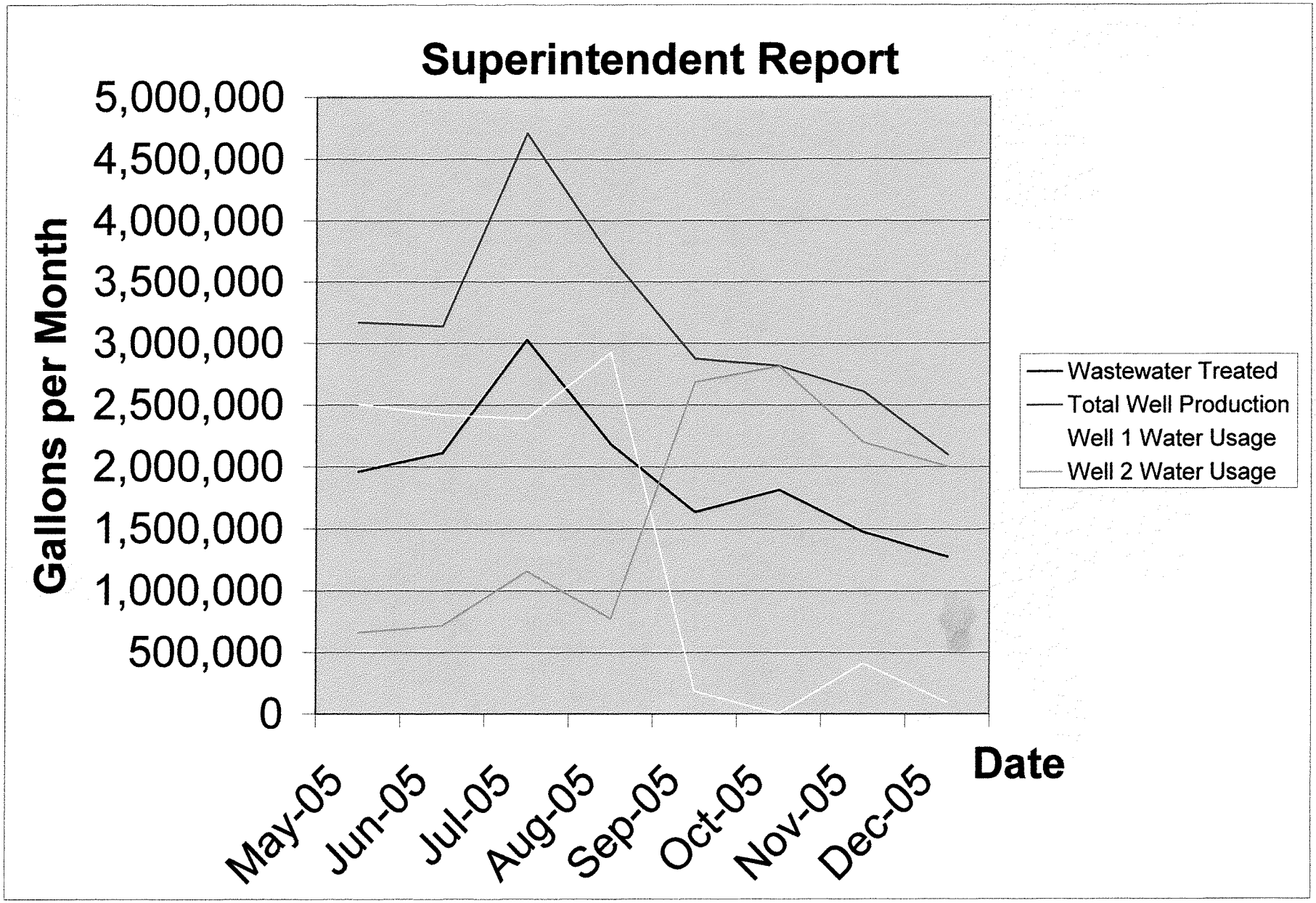
	May-05	Jun-05	Jul-05	Aug-05	Sep-05	Oct-05	Nov-05	Dec-05	
Wastewater Treated	1,959,370	2,110,710	3,029,130	2,181,570	1,635,780	1,813,846	1,474,817	1,276,847	15,482,070
Total Well Production	3,170,611	3,139,000	4,708,000	3,701,039	2,875,184	2,817,043	2,610,520	2,099,786	25,121,183
Well 1 Water Usage	2,507,555	2,419,000	2,390,000	2,925,464	186,327	1,346	411,101	97,016	10,937,809
Well 2 Water Usage	663,056	720,000	1,159,000	775,575	2,688,858	2,815,696	2,199,419	2,002,770	13,024,374
Water Well 1 Avg Depth to Water	10.70	10.63	11.64	12.00	11.86	12.38	12.39	11.34	12
Water Well 2 Avg Depth to Water	10.70	12.23	13.97	13.00	11.62	12.20	12.51	11.51	12
State Wastewater Treated		336,721	560,945	763,748	428,914	300,558	445,552	614,742	3,451,180
State % of Total WW Flow	0.00	15.95	18.52	35.01	26.22	16.57	30.21	48.15	24
Biosolids Removal	12,566	21,000	36,324		24,000	36,000	18,000	0	147,890
Wastewater Permit Exceedances		1	2	1	3	0	0	0	7
Constituent		T Coliform	T Coliform	T Coliform	T Coliform	0	0	0	
Sample Limit		230	230	230	230				
Sample Result		300	900 / 500	1600	1600				
Constituent					Tot Chlorine				
Sample Limit					0.93				
Sample Result					2.5				

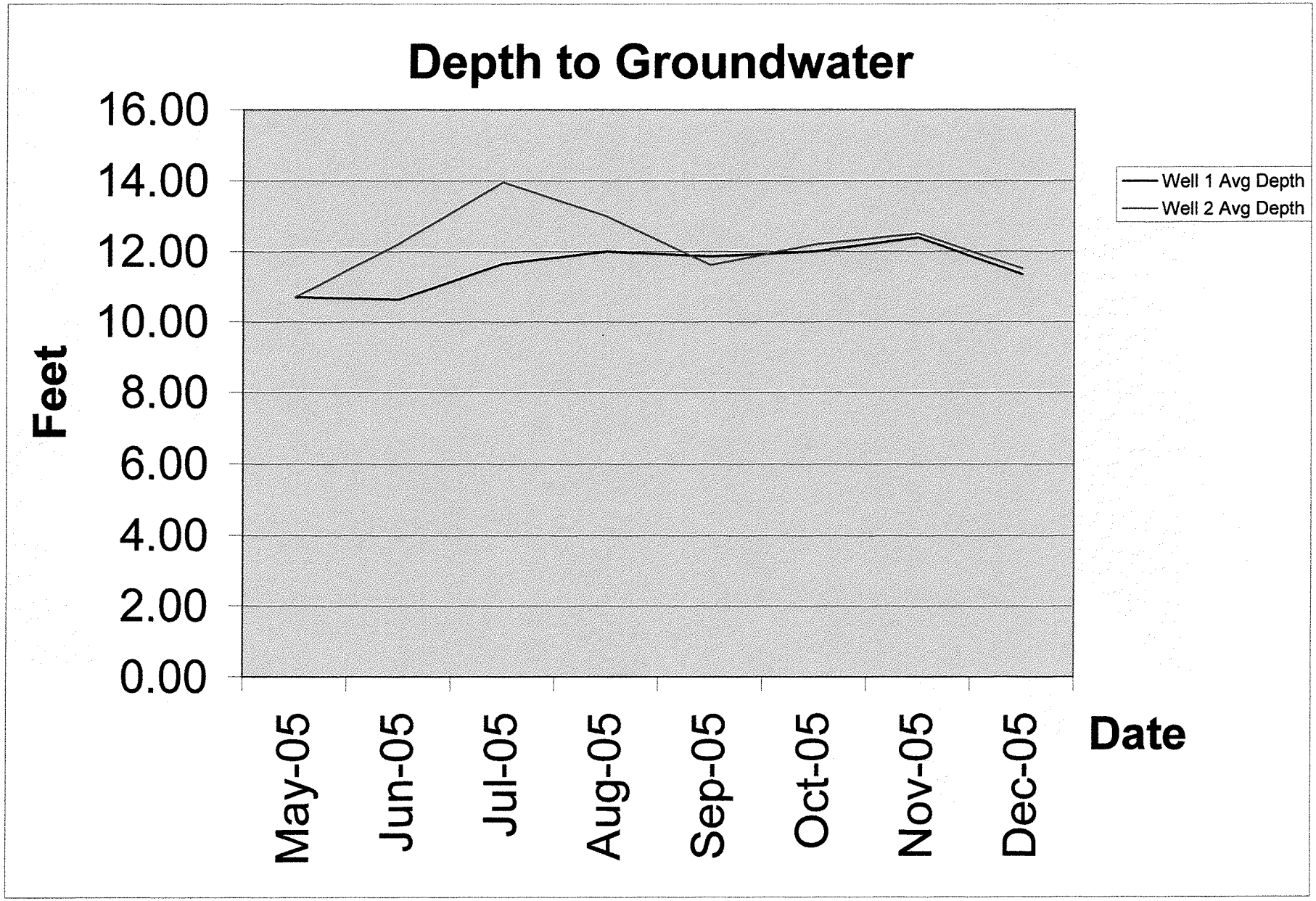
December System Activities

1. Outfall line inspection was completed and a report is expected to describe minor repairs necessary.

2. Water distribution system water loss for September, October and November 2005 was calculated to be 5, 4 and 3 percent respectively.

3. The rain event that started December 31, and ended January 2, yeilded 6.5 inches of rain and lead to a 11 hour power outage. The back up generator and facility performed well with the generator burning only 1/2 tank of fuel.


Superintendent Report
Gallons per Month
5,000,000
4,500,000
4,000,000
3,500,000
3,000,000
2,500,000
2,000,000
1,500,000
1,000,000
500,000
0
May-05
Jun-05
Jul-05
Aug-05
Sep-05
Oct-05
Nov-05
Dec-05
Date
Wastewater Treated
Total Well Production
Well 1 Water Usage
Well 2 Water Usage


Depth to Groundwater
16.00
14.00
12.00
10.00
8.00
6.00
4.00
2.00
0.00
Feet
May-05
Jun-05
Jul-05
Aug-05
Sep-05
Oct-05
Nov-05
Dec-05
Date
Well 1 Avg Depth
Well 2 Avg Depth

Work to be performed	June-05	July-05	August-05	September-05	October-05	November-05	December-05	January-06	February-06	March-06	Estimate
Revised January 11, 2006											
38. Telemetry battery pack has been removed							$250				250
28. Place screen on 1" air vacuum breaker at well #1								$10			10
21. Water Distribution Valve Repair on Avonne								$10,000			10,000
22. Line repair at Otter and Avonne								$10,000			10,000
8. Repair or Replace Dissolved Oxygen Meter			$7,500?								7,500
29. Replace both 4" clay valves at wells							$2,500				2,500
39. Water reservoir access hatch cannot be opened								$1,500			1,500
4. General Replacement of Corroded Electrical Items								$1,800?			1,800
34. Install Well Pump shaft safety guards								$25			25
3. New Transformer Circuit Breaker/conduit							$2,000?				2,000
9. Remove old MCC							$5,500?				5,500
6. Realignment of Non-coded equipment	Revised, blower 4 to be relocated						$12,000				12,000
5. Remove old / unsafe wiring & equipment							$6,750				6,750
10. Old air equipment can be removed							$5,000				5,000
25. Well head casing has deteriorated	Rolled into Water Well Plan										200
36. Replace fence around water wells	Rolled into Water Well Plan										2,500
30. Well corrosion protection	Rolled into Water Well Plan										100
15. Replace process valves that are difficult to operate	Complete										0
33. Chlorine secondary containment at wells	Complete										0
40. Chain link fence signs needed	Complete										0
31. Post required signs at well site	Complete										0
13. EQ basin pumps need to be repaired	Complete										0
27. Replace well Meter	Complete										0

36. Weed area inside and around wells	Complete										0
8. New 60 HP blower VFD	Complete										0
32. Electrical panel locks	Complete										0
2. Outside lighting repair.	Complete										0
14. Plumb clarifier skimmer discharge to each clarifier	Complete										0
35. Well eye wash station	Complete										0
20. Water Line Repair at Entrance of Plant	Compete										0
1.Generator installation in progress	Complete										0
7. 30 HP blower wiring; install VFD	Complete										0
12. Clean 50% of the collection system	Complete 100% of the collection system has been cleaned and videoed										0
16. One remaining VFD needs to be installed	Complete										0
18.The 30 HP blowers need to be tested to ensure they	Complete										0
19. The Fire Department inspected the Facility and Fire	Complete										0
23. Auto protection for EQ basin low level & high level	Evaluate necessity of project. EQ basin is big providing a large buffer										0
24.Flow pace CL2 injection to avoid over & under dosing	Evaluate necessity of project. EQ basin provides consistent influent flow										0
37. Well generator needs corrosion protection	Discuss option of shed or paint										0
											67,635

San Simeon Comunity Services District
WARRANT REPORT
December 1 - 31, 2005

	Type		Date	Open Balance	Warrant #	Check #
Fields, Alan	Bill	Jan. Board Services	1/4/2006	$ 100.00	0401-001	5323
Kiech, David	Bill	Jan. Board Services	1/4/2006	$ 100.00	0401-002	5324
Lambeth, Terry	Bill	Jan. Board Services	1/4/2006	$ 100.00	0401-003	5330
Mirabal-Boubion, Loraine	Bill	Jan. Board Services	1/4/2006	$ 100.00	0401-004	5327
Russell, John	Bill	Jan. Board Services	1/4/2006	$ 100.00	0401-005	5326
Schultz, Rob	Bill	District Counsel Services	1/4/2006	$ 1,575.00	0401-006	5329
ECO Resources	Bill	January Services	1/4/2006	$ 28,571.95	0401-007	5317
PERS Health	Bill	Health Insurance	1/4/2006	$ 135.55	0401-008	5328
GBP&B	Bill	Jan. Services	1/4/2006	$ 1,200.00	0401-009	5325
Air Pollution Control District	Bill	Renewal of Equipment	1/4/2006	$ 1,364.69	0401-010	5313
Boyle Engineering	Bill	Tertiary Upgrade Improvements	1/4/2006	$ 15,469.66	0401-011	5314
SLO County of Environmental Health	Bill	Public Health Invoice-42898	1/4/2006	$ 207.00	0401-012	5321
Cannon Associates	Bill	Professional Services November	1/4/2006	$ 1,190.00	0401-013	5315
PG and E	Bill	Street Lighting Sept. and Nov.	1/4/2006	$ 1,202.56	0401-014	5319
Dr GB Primbs	Bill	Deposit Refund	1/4/2006	$ 50.00	0401-015	5316

LR Paulsell Consulting	Bill	Sewer Repairs	1/4/2006	$	4,268.35	0401-016	5318
Richard Myren	Bill	Deposit Refund	1/4/2006	$	50.00	0401-017	5320
USA Bluebook	Bill	Dye-Flourescent Red 50	1/4/2006	$	160.62	0401-018	5322
Siebuhr Electric	Bill	Electrical Cleanup	1/4/2006	$	975.00	0401-019	5331
Total:				**$**	**56,920.38**		