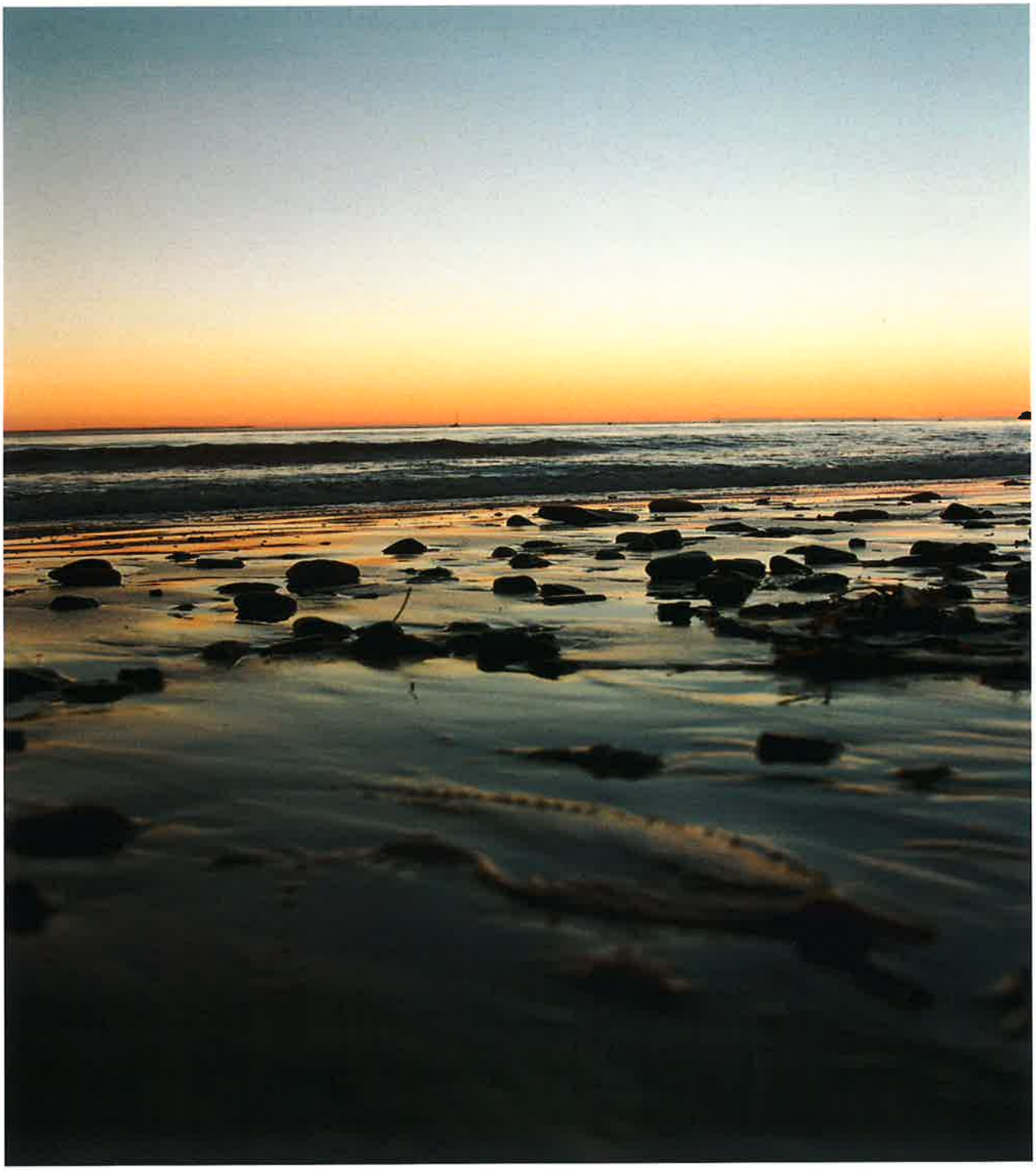
MONTECITO SANITARY DISTRICT



2013 ANNUAL SUMMARY REPORT

NPDES No. CA0047899

Order No. R3-2012-0016

Montecito Sanitary District

1042 Monte Cristo Lane
Santa Barbara, CA 93108
General Manager: Diane M. Gabriel, P.E.

A Public Service Agency

PHONE: (805) 969-4200
FAX: (805) 969-9049
E-MAIL: dgabriel@montsan.org

January 28, 2014

California Regional Water Quality Control Board
Central Coast Region
895 Aerovista Place, Suite 101
San Luis Obispo, CA 93401

SUBJECT: NPDES Permit No. CA 0047899
Order No. R3-2012-0016
Annual Summary Report 2013

Staff of the Regional Board:

In accordance with the requirements of the general provisions of the District's NPDES Permit No. CA0047899, we are transmitting the District's Annual Report for 2013. The monitoring data compiled throughout the year is presented in both tabular and graphic form.

The report includes the names and job titles of District personnel, the Governing Board of Directors and an organizational chart.

Throughout the 2013 calendar year the following certified operators were employed by the District:

- Brett J. Walker, Operations & Maintenance Manager, III-6254, exp. date 12/31/2014
- James G. Montijo, Operator, # IV-2306, exp. date12/31/2014 *(Retired 5/27/13)*
- Mark Liebenow, Operator, V-8800, exp. date 06/30/2014
- Chad Steinlicht, Operator, III-10297, exp. date 12/31/15 *(Hired 3/4/13)*
- Craig Couture, Operator, III-39838, exp. date 12/31/14 *(Hired 4/22/13)*
- Daniel Jacquez, Operator, III-28608, exp. date 06/30/14 *(Hired 10/28/13)*

During 2013, the District had two events where the results of certain effluent quality tests exceeded the parameters set by the District's NPDES permit. Specifically, on May 8, 2013 a single sample exceeded the total coliform limit of 2300 MPN/100 mL with a reported value of 3000 MPN/100 mL. Additionally, on June 17, 2013 the parameters of the seven sampling event median exceeded the 23 MPN/100 mL limit for total coliform. Both of these events were explained in detail in letters (dated June 27, 2013 and July 30, 2013) to RWQCB staff member Mr. Peter von Langen.

Monthly oil and grease, ammonia (nitrogen) and the coliform analyses were performed by FGL Environmental of Santa Paula, California. FGL Environmental completed the Annual Effluent / Receiving Water Testing, as well as Sludge Sampling which took place September 9, 2013 through September 13, 2013. Aquatic Bioassay & Consulting Laboratories, Inc. in Ventura, California, performed and completed the Chronic and Acute Bioassay Testing. All of the reports were submitted to the Regional Board on October 30, 2013 with the September 2013 monthly report. NPDES Permit No. CA 0047899

On October 23, 2013 Hughes Commercial Diving completed the inspection of the District's ocean outfall pipeline. The entire outfall pipeline was inspected and videotaped. A copy of their inspection report is enclosed. The outfall pipeline was found to be in good condition with no leaks and no evidence of stress or damage of any kind.

The Operations and Maintenance Manual for the Montecito Sanitary District Wastewater Treatment Plant that is on file with your office will be updated in 2014.

Comments regarding the District's Collection System Maintenance and Renovation Program, as required by the NPDES permit, are included in this report on pages 20 through 23. Also included on pages 24 and 25 is a brief summary of the history of the District, our accomplishments in recent years and goals for the future. Please feel free to contact me if you have any questions or desire additional information.

Sincerely,

Diane Gabriel, P.E.
General Manager/District Engineer

Enclosure: Hughes Commercial Diving, MSD 2013 Ocean Outfall Inspection Report

Montecito Sanitary District

2013 Annual Report

TABLE OF CONTENTS

MONTECITO SANITARY DISTRICT

January 2013 – December 2013

GOVERNING BOARD

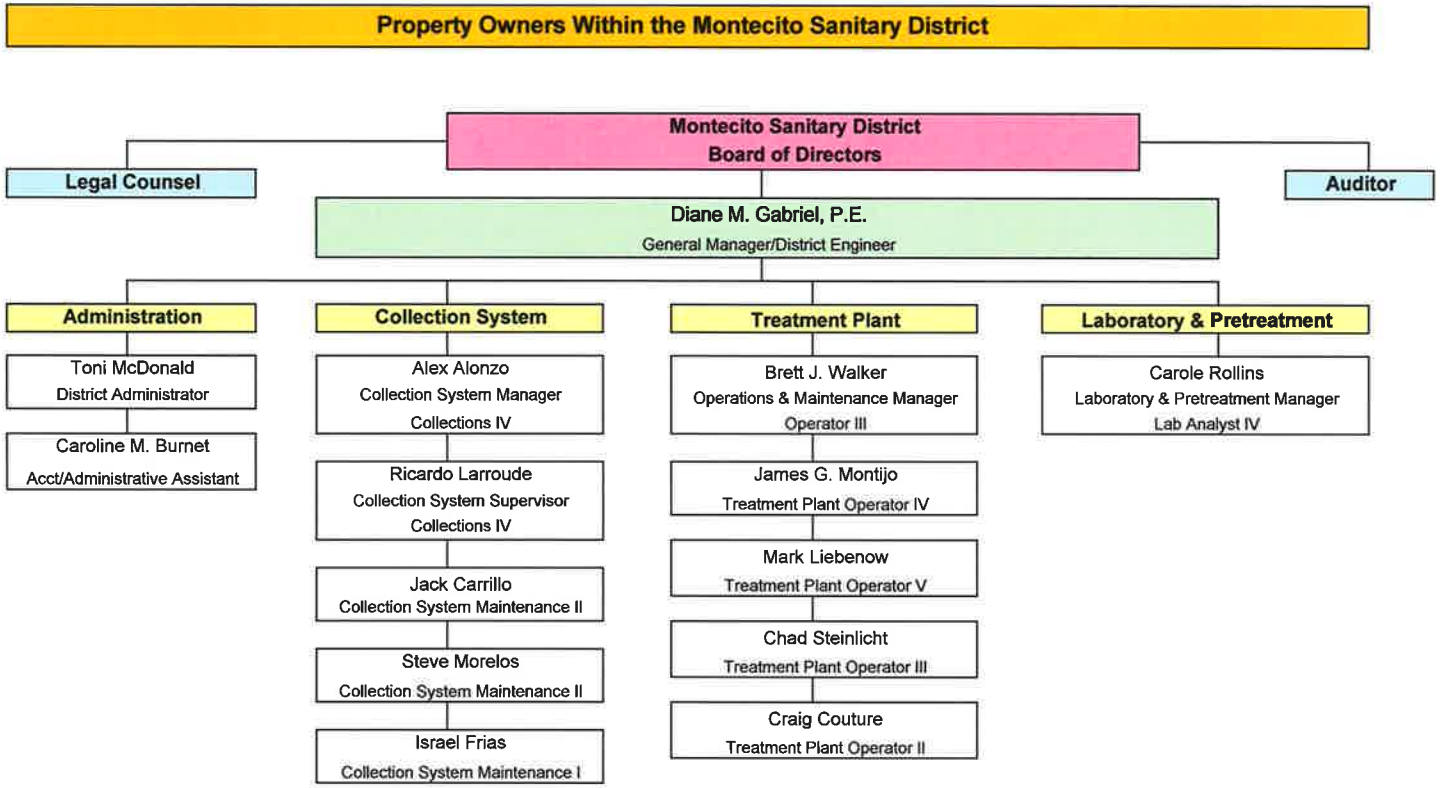
Judith M. Ishkanian	President
Jeff Kerns	Vice President
Tom Kern	Treasurer
Deirdre Cannata	Secretary
Warner Owens	Director

***

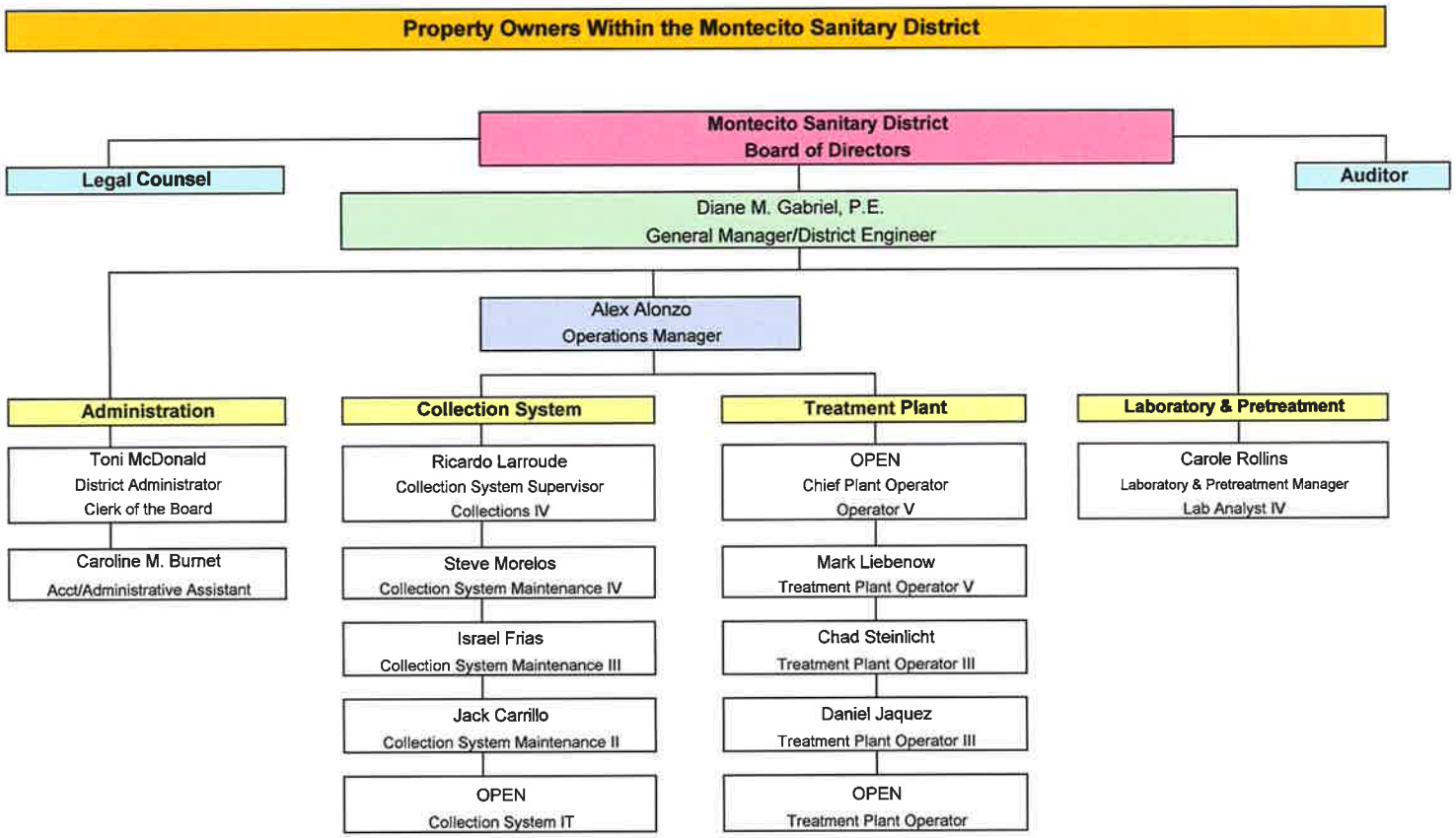
January 2013 – January 2014

STAFF

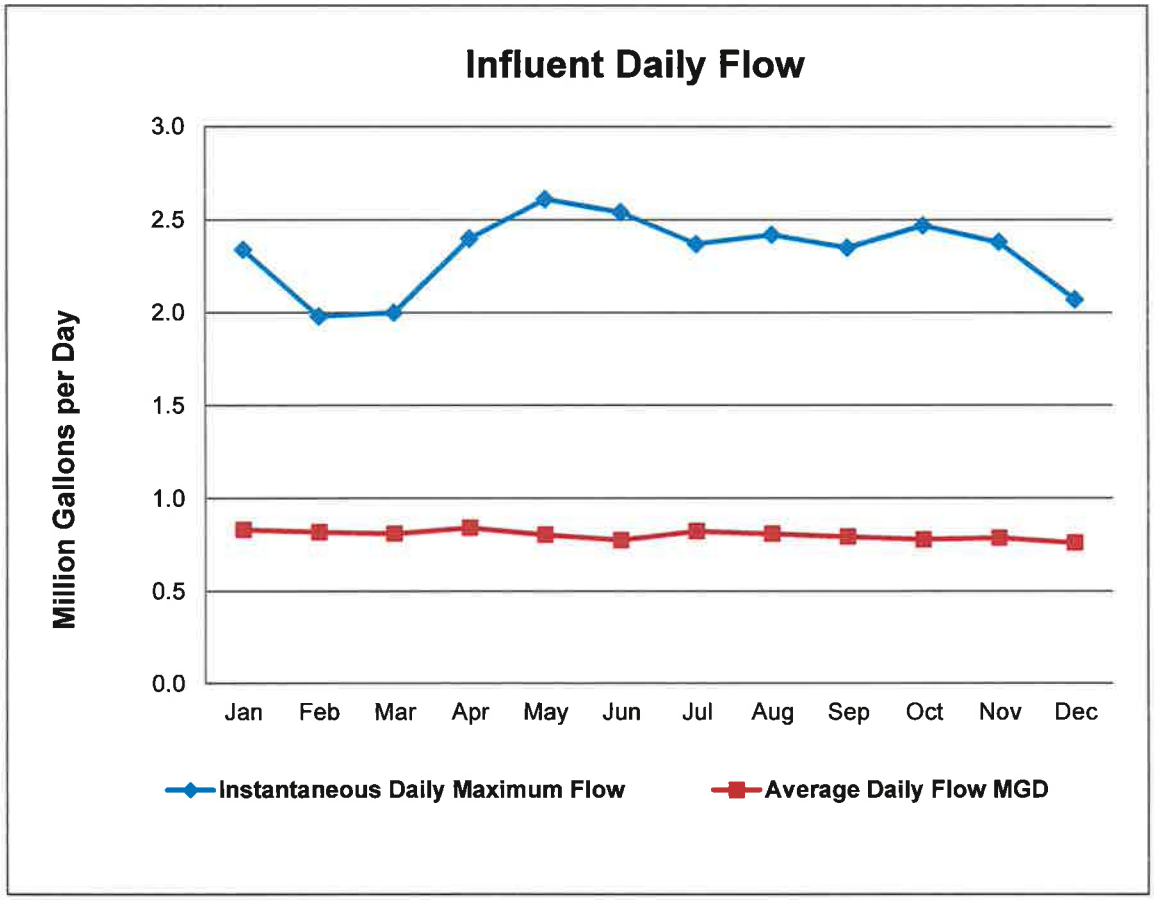
Diane M. Gabriel, P.E.	General Manager/District Engineer
Toni McDonald	District Administrator *(Hired 07/22/13)*
Debbie Hughey	Office Manager/Clerk of the Board *(Retired 6/23/13)*
Caroline M. Burnet	Accounting/Administrative Assistant
Brett J. Walker	Operations & Maint Manager *(Resigned 01/03/14)*
James G. Montijo	Operator IV *(Retired 5/27/13)*
Mark Liebenow	Treatment Plant Operator V
Chad Steinlicht	Treatment Plant Operator III *(Hired 03/04/13)*
Craig Couture	Treatment Plant Operator II *(Hired 04/22/13)*
Daniel Jacquez	Treatment Plant Operator III *(Hired 10/28/13)*
Carole Rollins	Pretreatment & Laboratory Manager
Alex Alonzo	Collections System Manager / Operations Manager
Ricardo Larroude	Collection System Supervisor
Steve Morelos	Collection System Maintenance IV
Israel Frias	Collection System Maintenance III *(Hired 02/25/13)*
Jack Carrillo	Collections System Maintenance II



Montecito Sanitary District Organizational Chart
August 2013

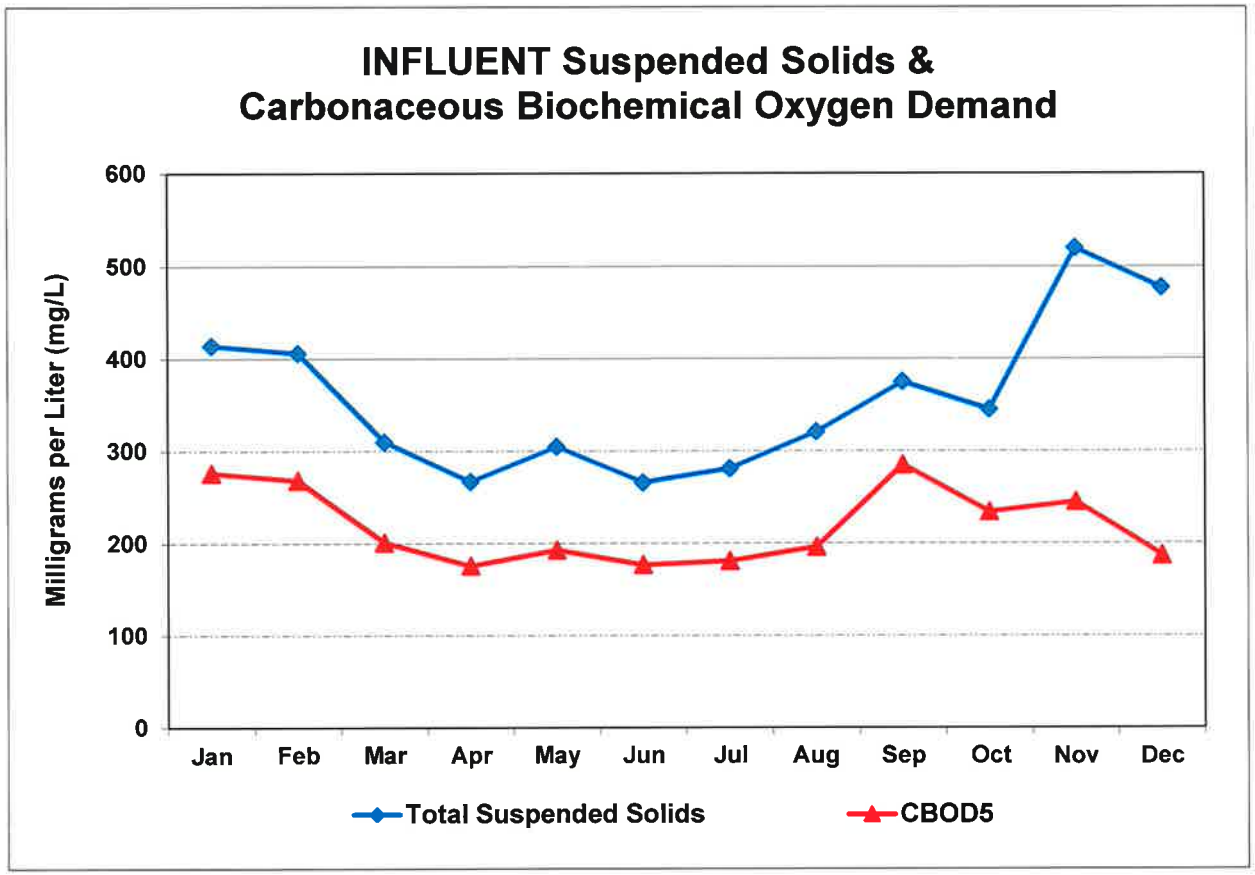


Montecito Sanitary District Organizational Chart
January 2014



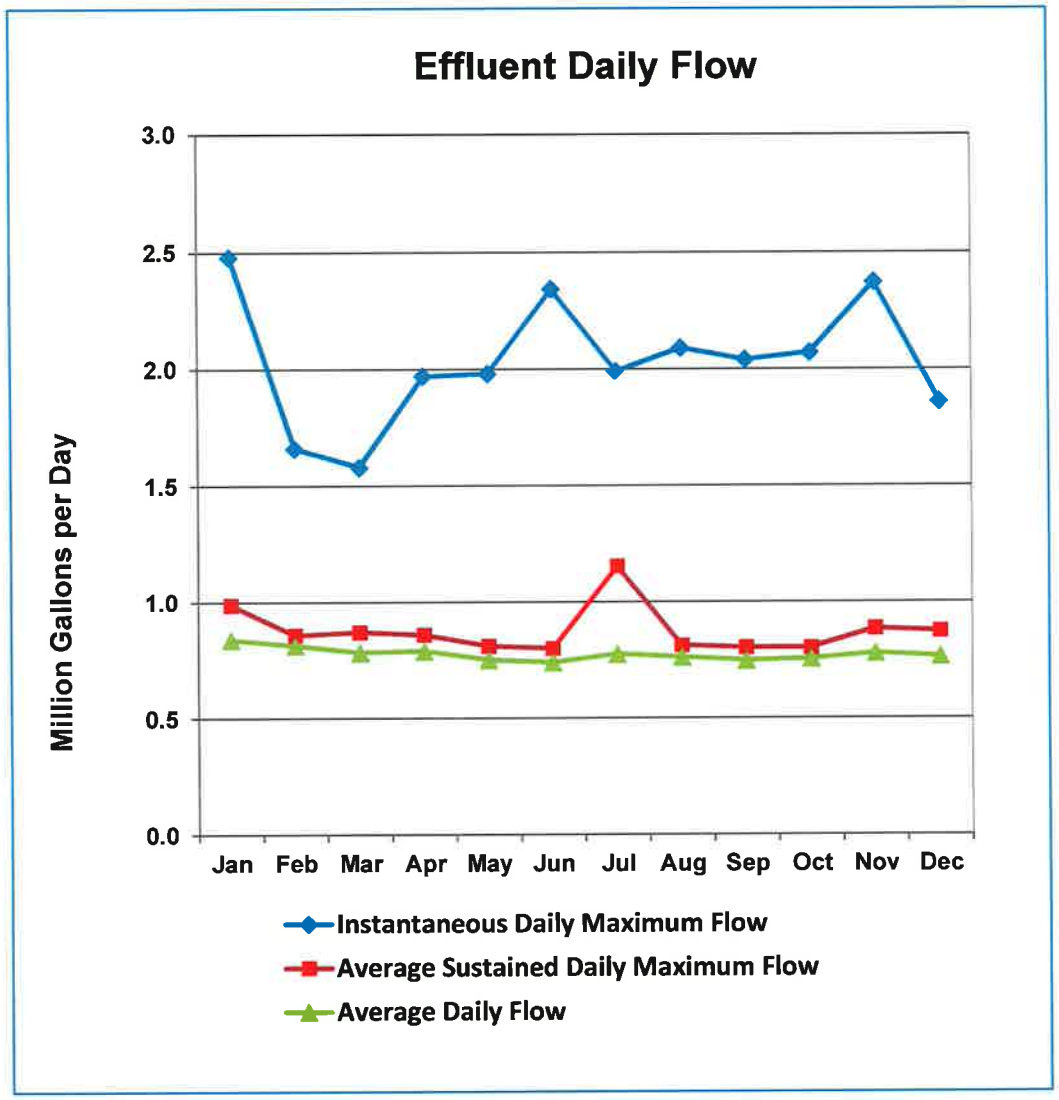
INFLUENT FLOW DATA		
Month	Instant. Daily Max	Average Daily Flow
Jan	2.34	0.831
Feb	1.98	0.818
Mar	2.00	0.810
Apr	2.40	0.842
May	2.61	0.804
Jun	2.54	0.775
Jul	2.37	0.823
Aug	2.42	0.809
Sep	2.35	0.793
Oct	2.47	0.778
Nov	2.38	0.788
Dec	2.07	0.760

Avg	2.33	0.803

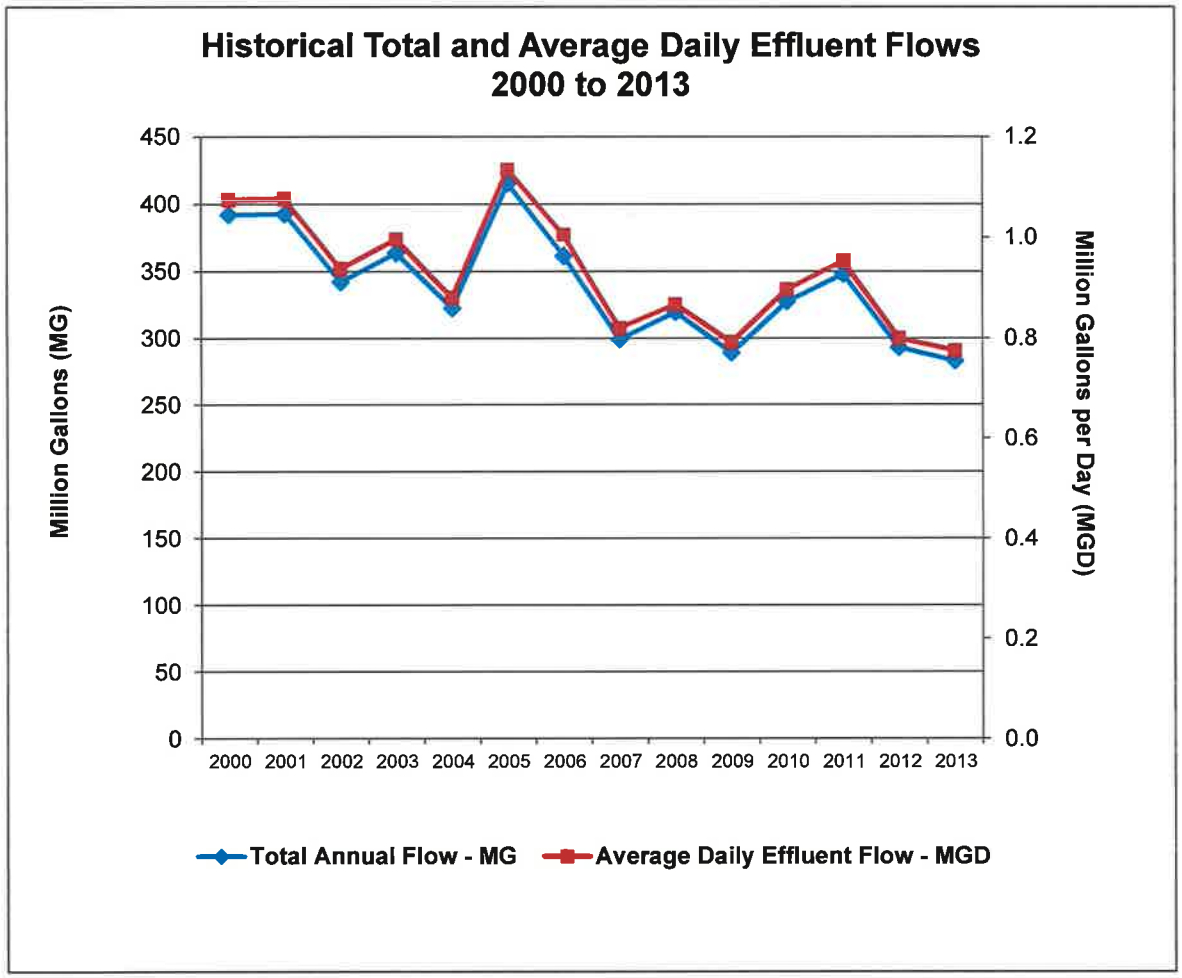


INFLUENT		
Month	Total Suspended Solids	$CBOD_5$
	mg/L	mg/L
Jan	414	276
Feb	406	268
Mar	310	201
Apr	267	176
May	305	193
Jun	266	177
Jul	281	181
Aug	321	196
Sep	375	285
Oct	345	234
Nov	520	245
Dec	477	187

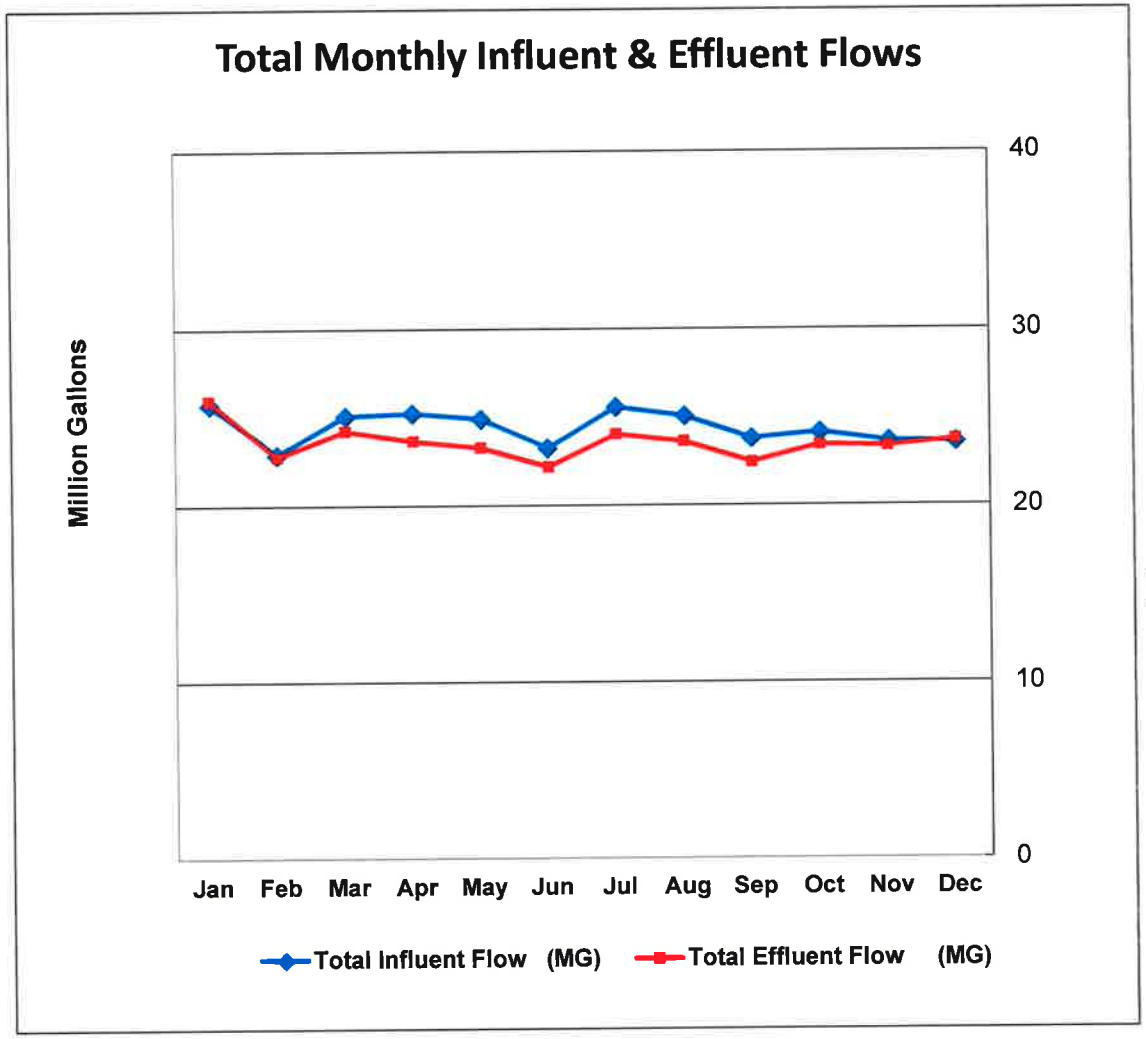
Avg	357	218



EFFLUENT FLOW DATA			
MONTH	Instant. Daily Maximum	Average Daily Maximum	Average Daily Flow
Jan	2.48	0.988	0.838
Feb	1.66	0.858	0.813
Mar	1.58	0.871	0.782
Apr	1.97	0.859	0.789
May	1.98	0.810	0.751
Jun	2.34	0.800	0.740
Jul	1.99	1.153	0.775
Aug	2.09	0.812	0.762
Sep	2.04	0.803	0.748
Oct	2.07	0.802	0.755
Nov	2.37	0.885	0.778
Dec	1.86	0.874	0.765
Avg	2.04	0.876	0.775

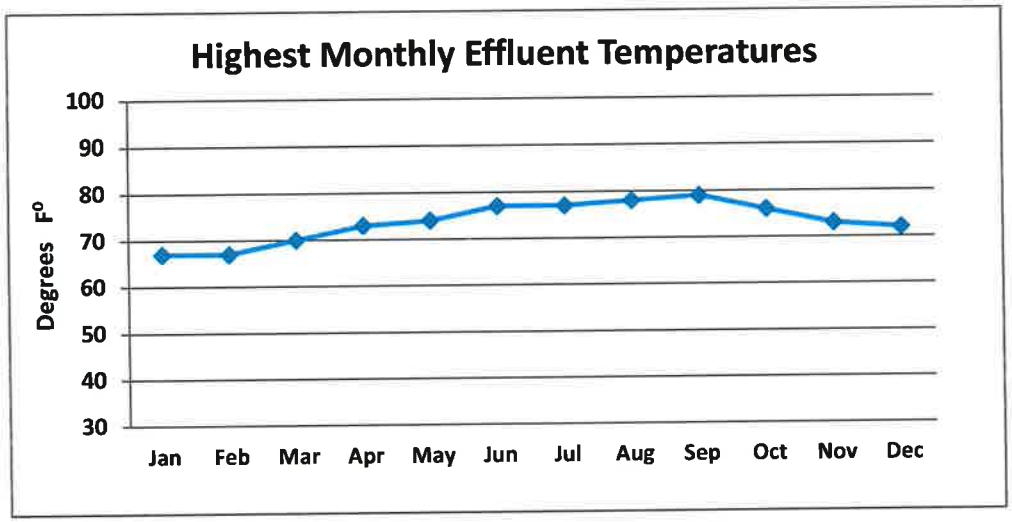


YEAR	Total Annual Flow MG	Avg Daily Flow MGD
2000	392.00	1.074
2001	392.60	1.076
2002	342.20	0.938
2003	363.35	0.996
2004	322.40	0.881
2005	415.28	1.135
2006	361.23	1.005
2007	299.15	0.820
2008	319.48	0.867
2009	289.00	0.792
2010	327.40	0.897
2011	348.00	0.954
2012	292.90	0.800
2013	282.70	0.775

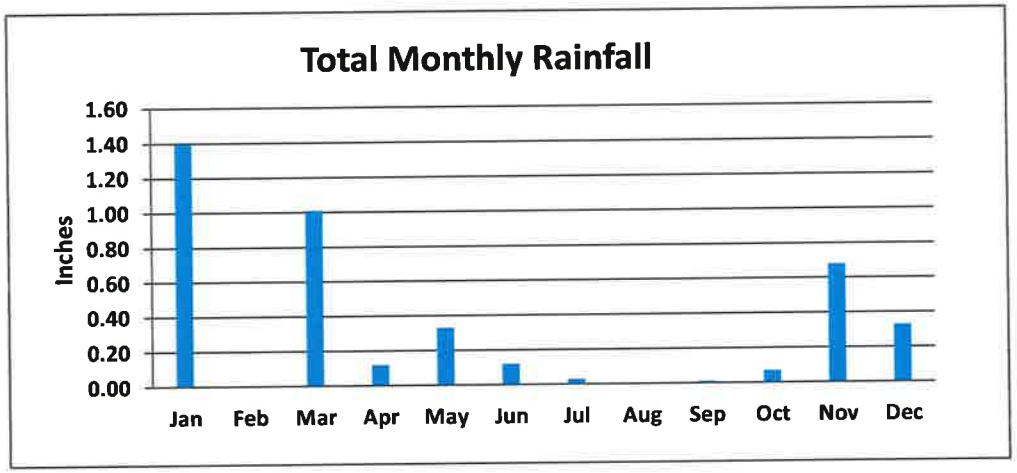


Month	Total Influent Flow (MG)	Total Effluent Flow (MG)
Jan	25.75	25.99
Feb	22.91	22.77
Mar	25.10	24.25
Apr	25.25	23.67
May	24.92	23.29
Jun	23.26	22.19
Jul	25.58	24.03
Aug	25.07	23.62
Sep	23.79	22.45
Oct	24.13	23.41
Nov	23.63	23.34
Dec	23.58	23.71
Total Annual Flows	**293.0**	**282.7**

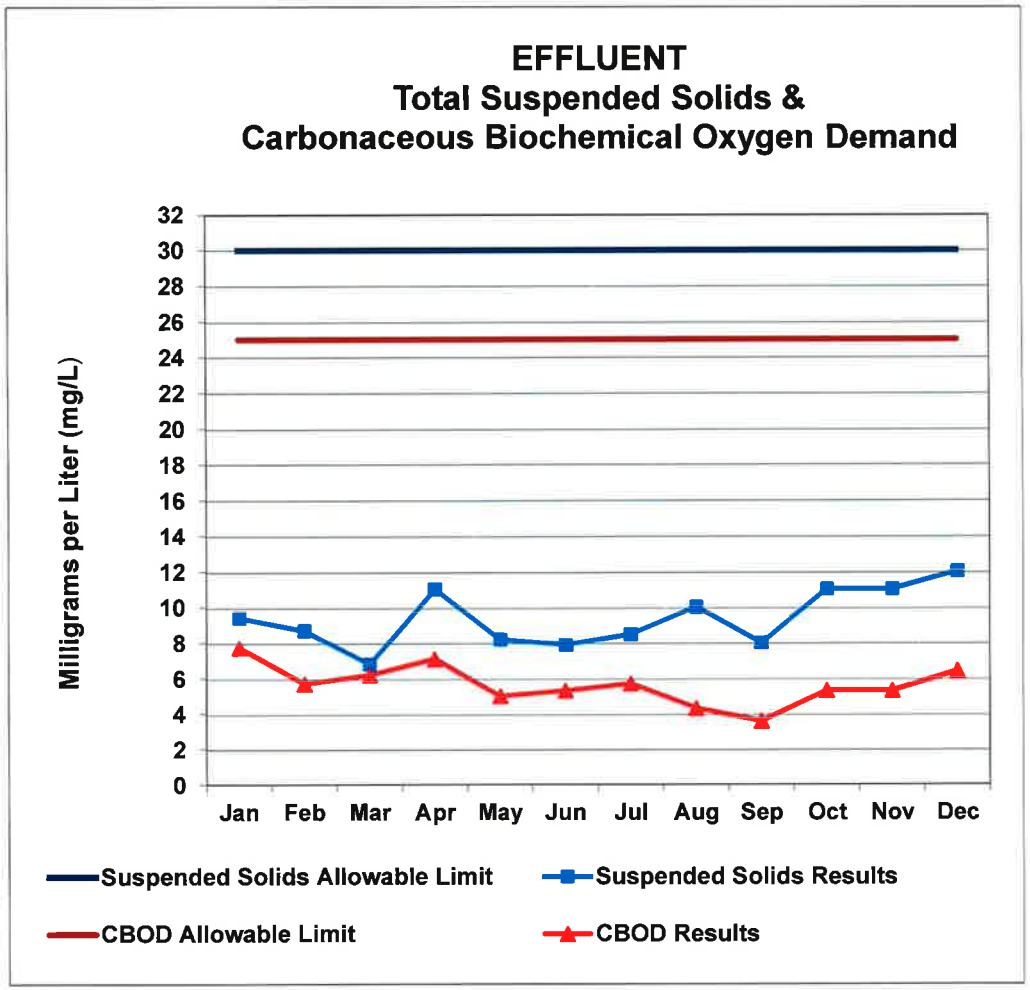
Note: Influent and Effluent flow discrepencies are due to process recycled flows and process cleaning or maintenance which drains water back to the headworks.



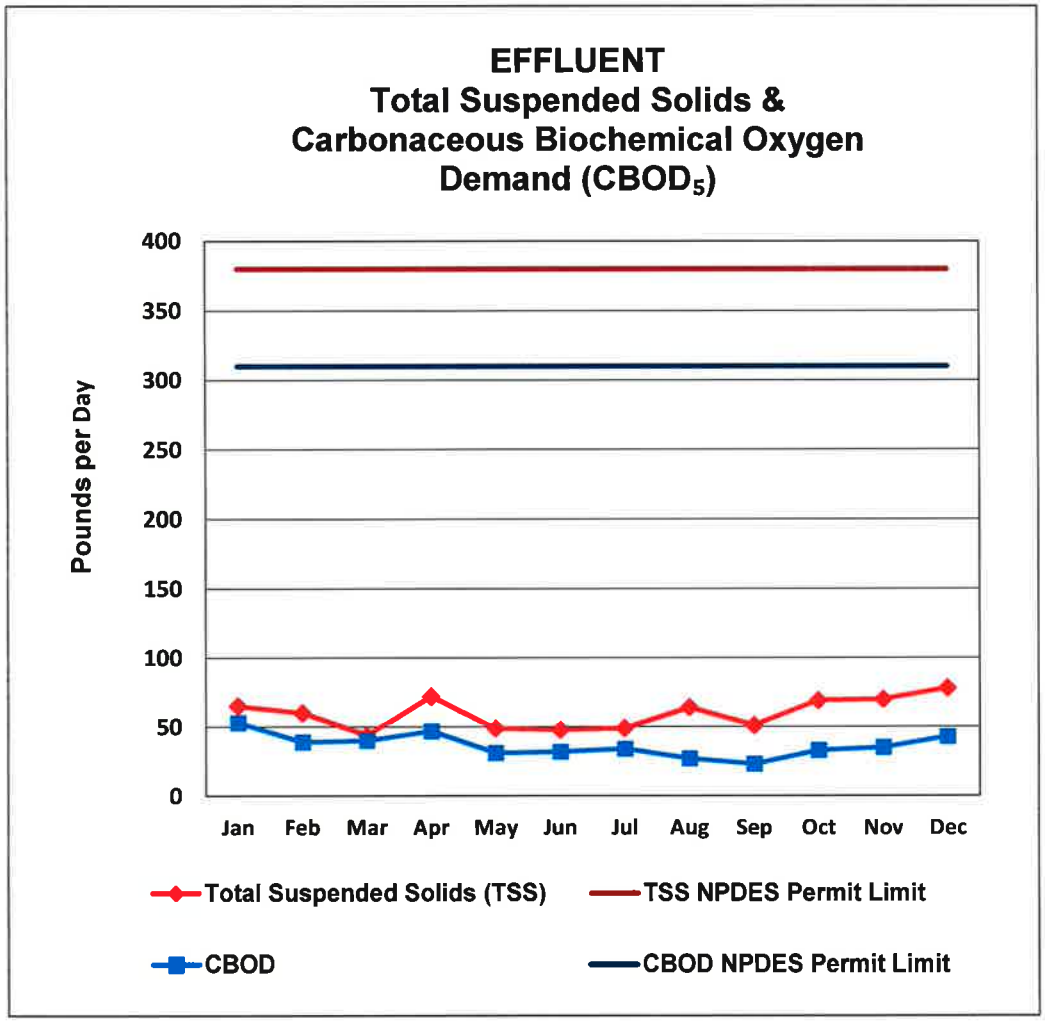
Month	High Temp. °F
Jan	67
Feb	67
Mar	70
Apr	73
May	74
Jun	77
Jul	77
Aug	78
Sep	79
Oct	76
Nov	73
Dec	72
Avg High	**74**



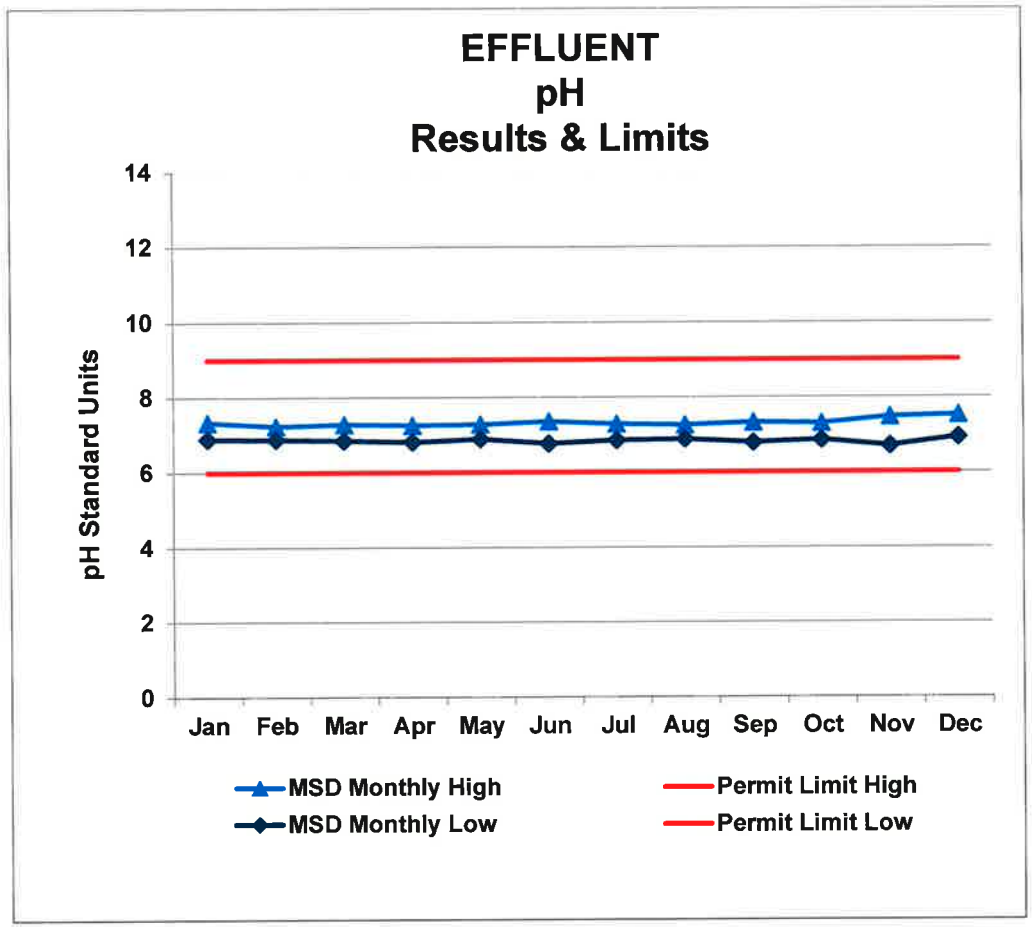
Month	Rainfall Inches
Jan	1.40
Feb	0.00
Mar	1.01
Apr	0.12
May	0.33
Jun	0.12
Jul	0.03
Aug	0.00
Sep	0.01
Oct	0.07
Nov	0.68
Dec	0.33
TOTAL	**4.10**



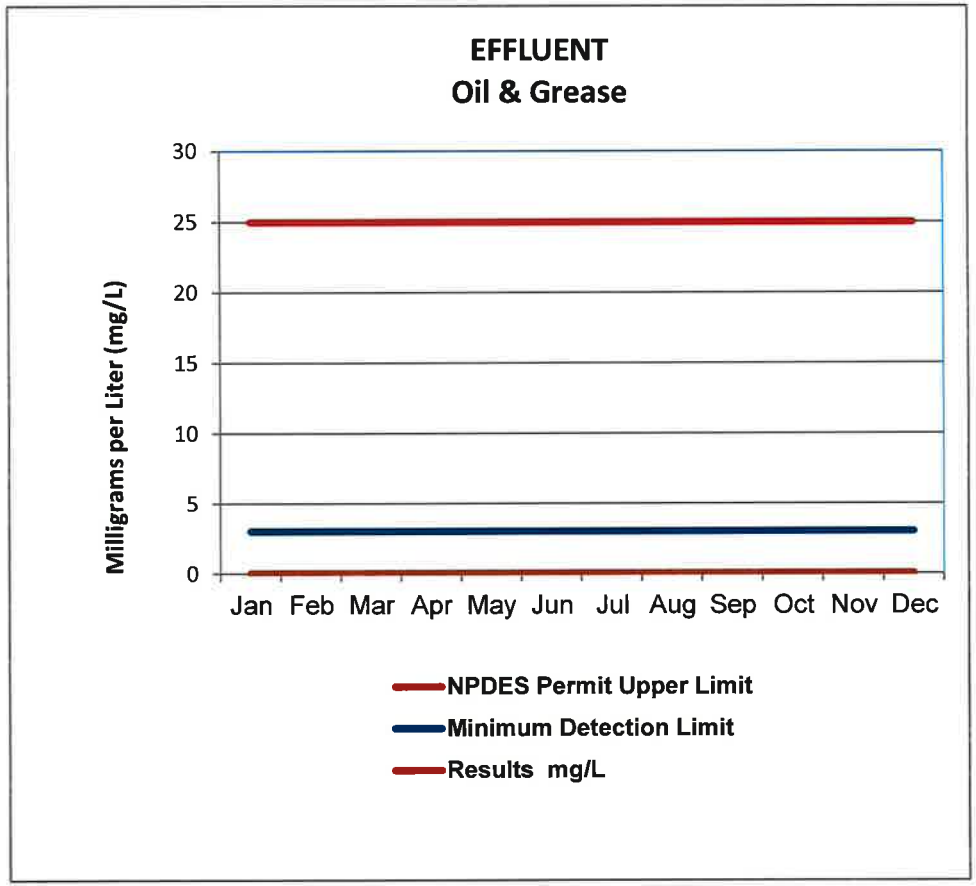
	Total Suspended Solids		$CBOD_5$	
	Permit Limit	Results	Permit Limit	Results
	mg/L	mg/L	mg/L	mg/L
Jan	30	9.4	25	7.7
Feb		8.7		5.7
Mar		6.8		6.2
Apr		11		7.1
May		8.2		5.0
Jun		7.9		5.3
Jul		8.5		5.7
Aug		10		4.3
Sep		8.0		3.6
Oct		11		5.3
Nov		11		5.3
Dec		12		6.4
Avg		9.4		5.4



Month	Suspended Solids lbs/day	Suspended Solids NPDES Permit Upper Limit	$CBOD_5$ lbs/Day	$CBOD_5$ NPDES Permit Upper Limit
Jan	65		53	
Feb	60		39	
Mar	44		40	
Apr	72		47	
May	49		31	
Jun	48	380	32	310
Jul	49		34	
Aug	64		27	
Sep	51		23	
Oct	69		33	
Nov	70		35	
Dec	78		43	
Avg	**33**		**36**	

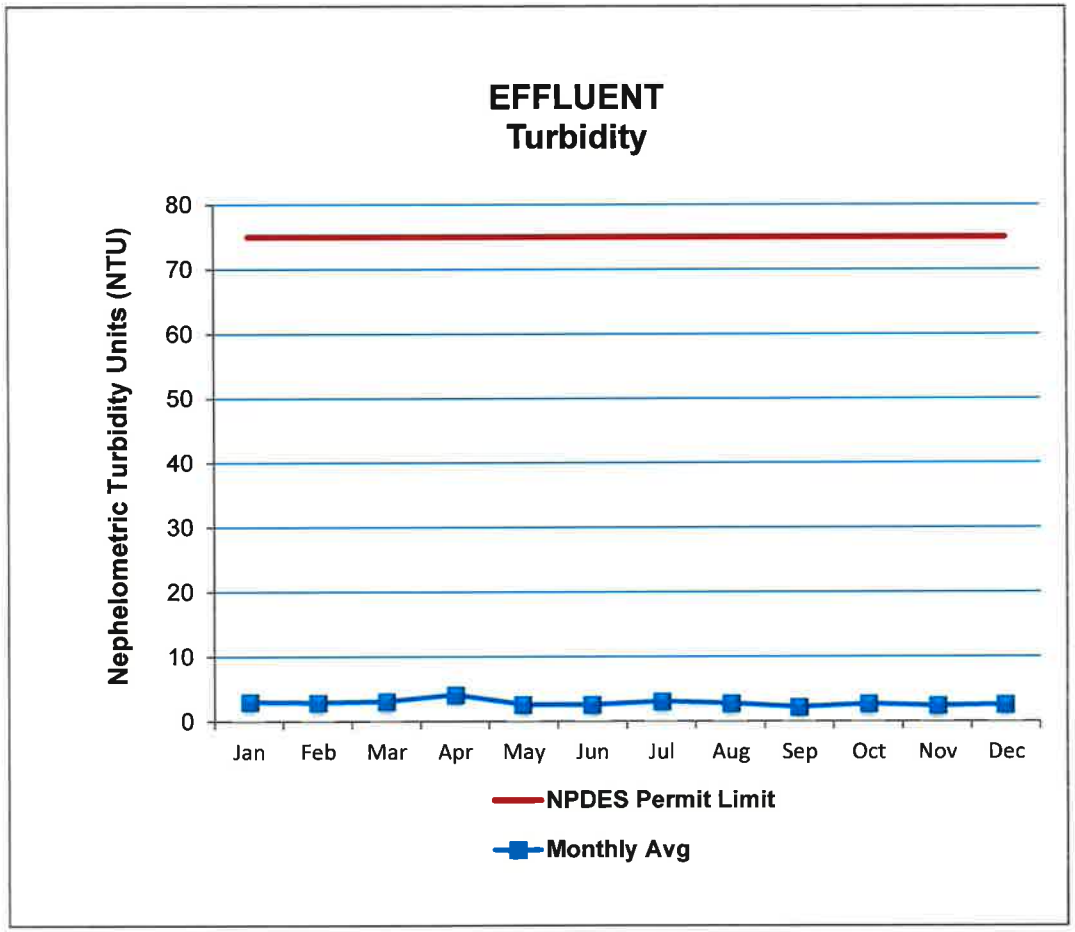


Month	MSD Monthly Low	NPDES Low Limit	MSD Monthly High	NPDES High Limit
Jan	6.89		7.34	
Feb	6.88		7.24	
Mar	6.85		7.29	
Apr	6.81		7.26	
May	6.89		7.28	
Jun	6.77	6	7.36	9
Jul	6.85		7.29	
Aug	6.88		7.26	
Sep	6.79		7.33	
Oct	6.86		7.31	
Nov	6.70		7.48	
Dec	6.93		7.52	



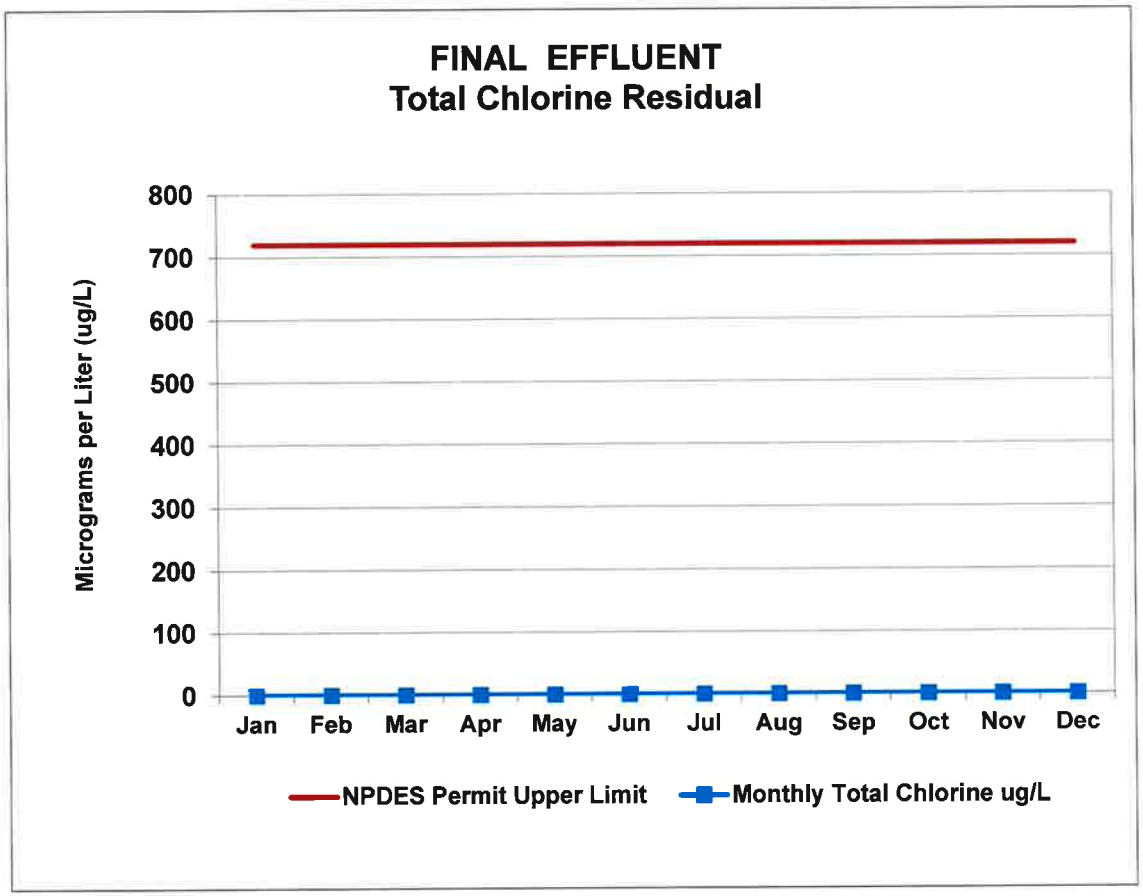
Oil & Grease		
Month	NPDES Limit	Results mg/L
Jan	25	0
Feb		0
Mar		0
Apr		0
May		0
Jun		0
Jul		0
Aug		0
Sep		0
Oct		0
Nov		0
Dec		0

Note:
The Method Detection Limit (MDL) is 3 mg/L.
Values below detection are reported as 0 mg/L.

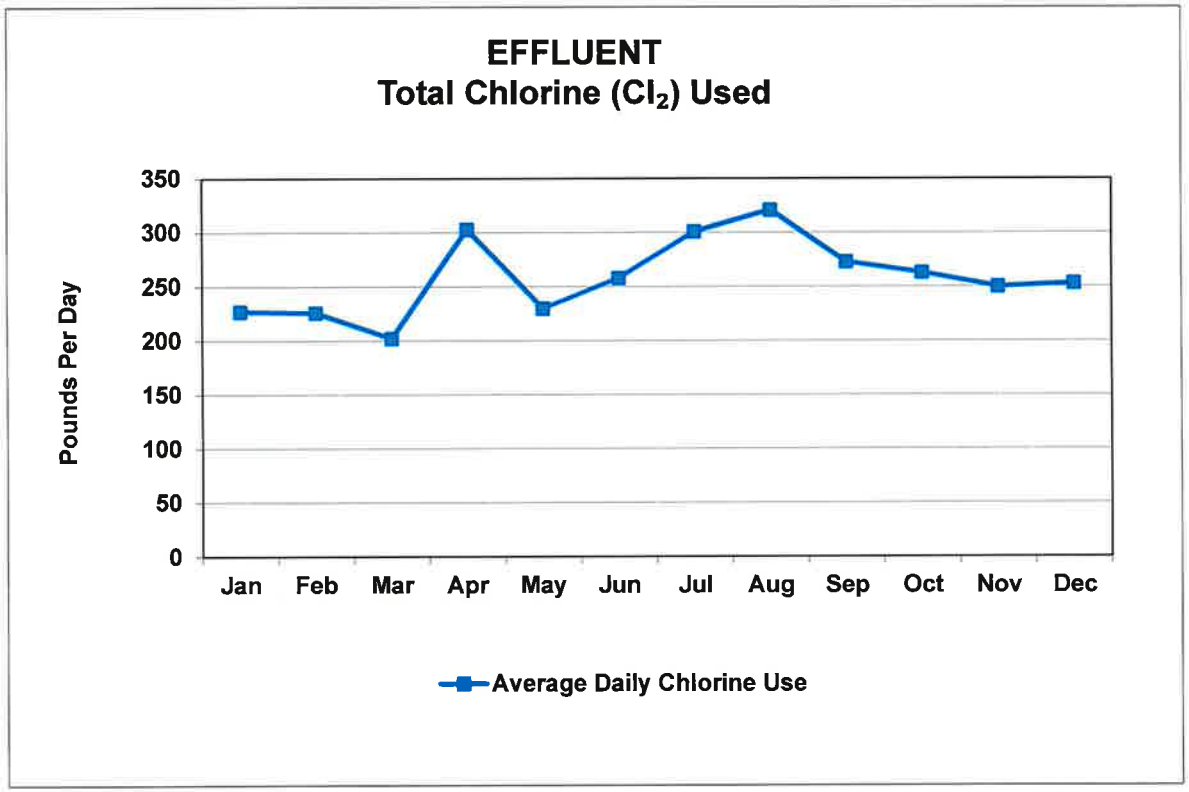


Turbidity - NTU		
Month	NPDES Limit	Monthly Avg
Jan	75	3.0
Feb		2.9
Mar		3.1
Apr		4.1
May		2.6
Jun		2.6
Jul		3.1
Aug		2.8
Sep		2.2
Oct		2.7
Nov		2.4
Dec		2.6
Avg		2.8

NTU= Nephelometric Turbidity Unit

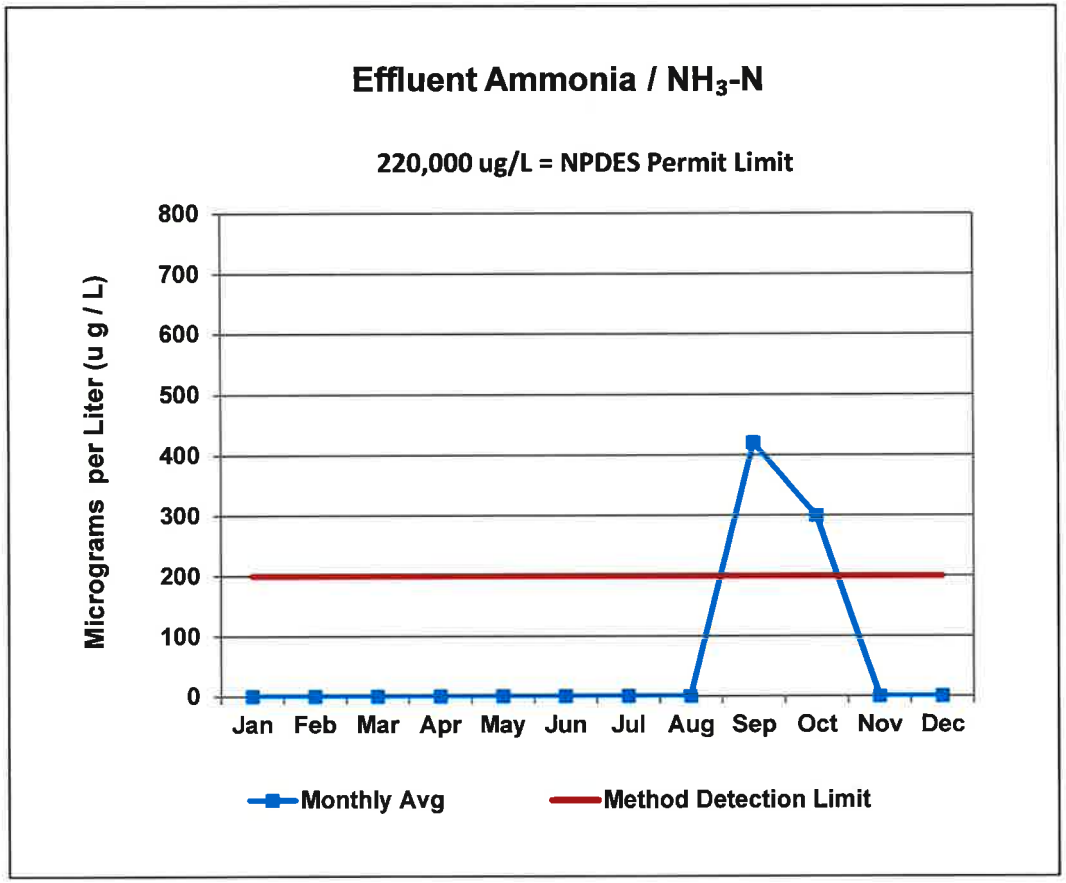


Month	NPDES Permit Upper Limit	Monthly Total Chlorine ug/L
Jan	720	0
Feb		0
Mar		0
Apr		0
May		0
Jun		0
Jul		0
Aug		0
Sep		0
Oct		0
Nov		0
Dec		0



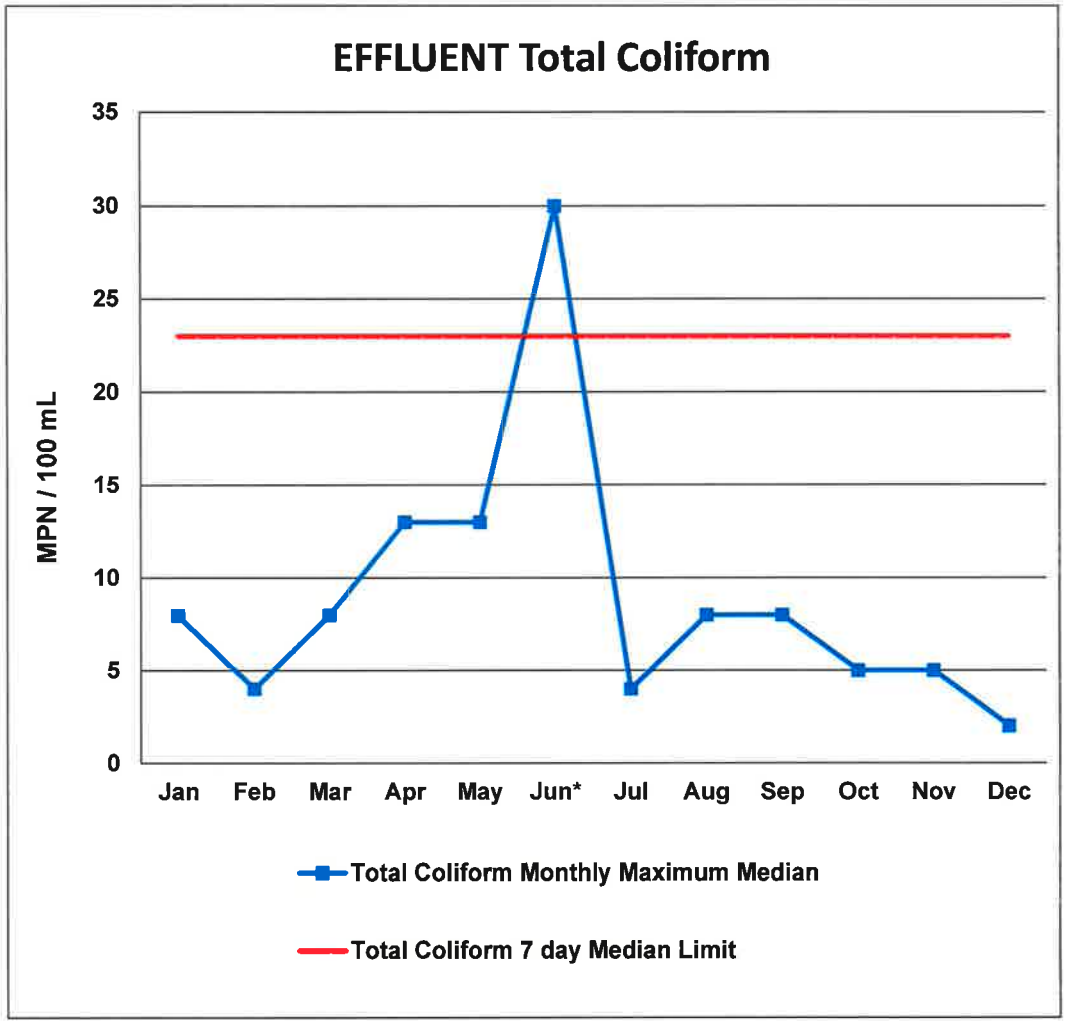
Month	Average Chlorine lbs/day
Jan	227
Feb	226
Mar	202
Apr	303
May	230
Jun	258
Jul	301
Aug	321
Sep	273
Oct	263
Nov	250
Dec	253

Avg	259



Month	Ammonia / NH_3-N		
	Results	Method Dection Limit (MDL)	NPDES Permit Limit
	ug/L	ug/L	ug/L
Jan	0	200	220,000
Feb	0		
Mar	0		
Apr	0		
May	0		
Jun	0		
Jul	0		
Aug	0		
Sep	420		
Oct	300		
Nov	0		
Dec	0		

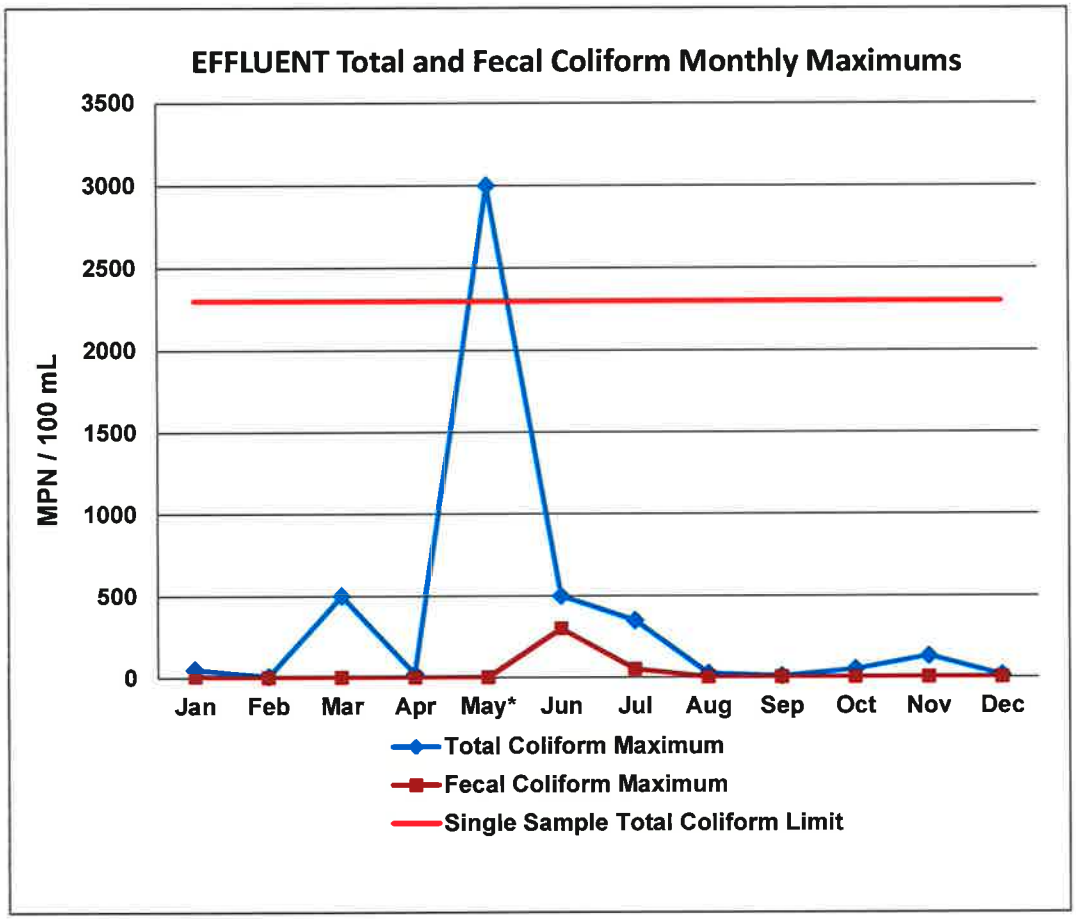
Note: Below detection is reported as 0 ug/L



	MPN/100mL	
Month	Total Coliform Monthly Maximum Median	Total Coliform 7 day Median Limit
Jan	8	23
Feb	4	
Mar	8	
Apr	13	
May	13	
Jun*	30	
Jul	4	
Aug	8	
Sep	8	
Oct	5	
Nov	5	
Dec	2	

*See Annual Summary Report cover letter for additional information.

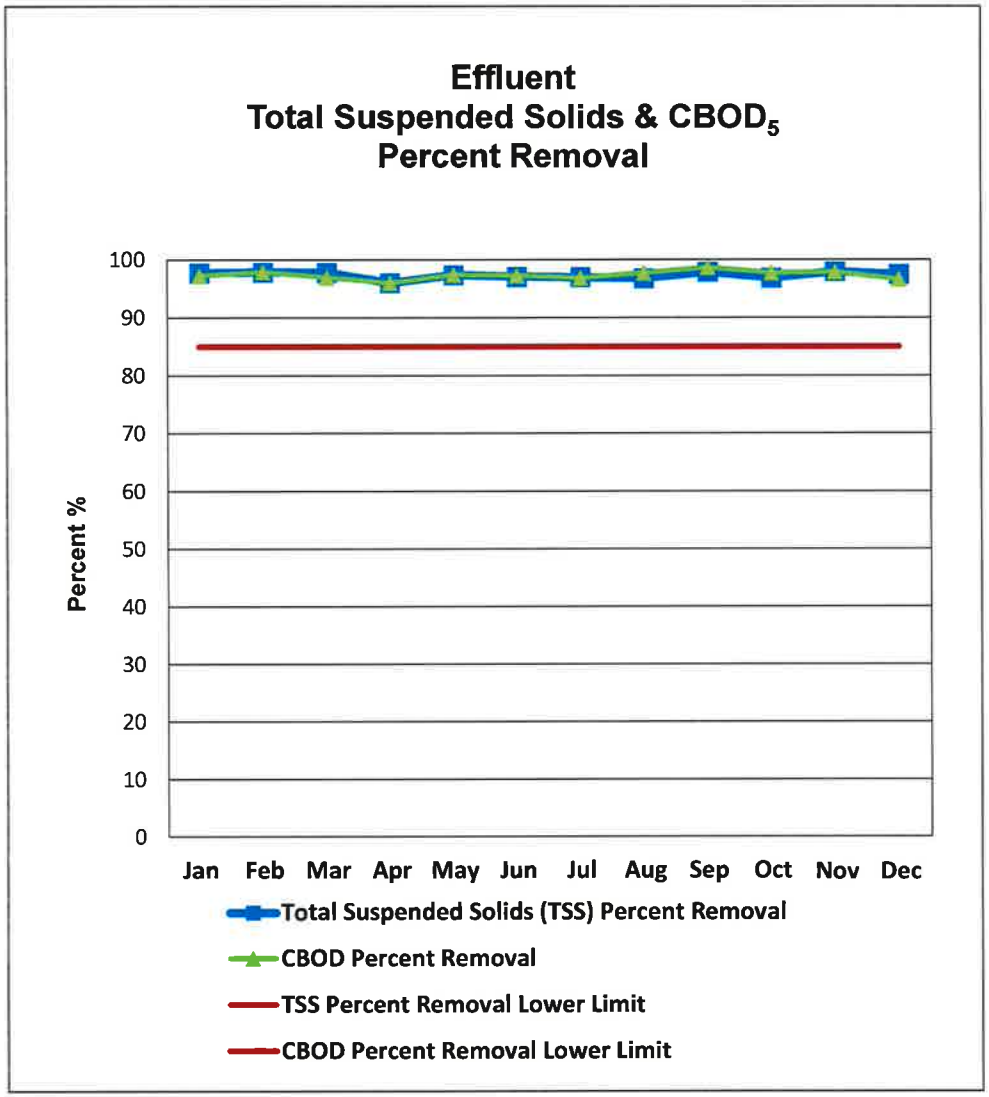
Note:
The Method Detection Limits (MDL) for Total and Fecal Coliform are 2 MPN/100mL



	MPN/100mL		
Month	Total Coliform Maximum	Fecal Coliform Maximum	Total Coliform Single Sample Limit
Jan	50	7	
Feb	7	2	
Mar	500	2	
Apr	23	2	
May*	3000	2	
Jun	500	300	2300
Jul	350	50	
Aug	23	2	
Sep	8	2	
Oct	49	2	
Nov	130	2	
Dec	13	2	

*See Annual Summary Report cover letter for additional information.

Note:
The Method Detection Limits (MDL) for Fecal Coliform is 2 MPN/100mL.



Month	NPDES PERMIT LOWER LIMIT %	Lowest Percent Removal	NPDES PERMIT LOWER LIMIT %	Lowest Percent Removal
	Suspended Solids		CBOD	
Jan	85	97.7	85	97.2
Feb		97.9		97.9
Mar		97.8		96.9
Apr		96.0		96.0
May		97.3		97.4
Jun		97.1		97.3
Jul		97.0		96.8
Aug		96.8		97.7
Sep		97.9		98.6
Oct		96.8		97.7
Nov		97.9		97.8
Dec		97.4		96.6
Avg		97.3		97.3

Tabular Data for 2013 Summary Report

INFLUENT							
2013 Month	Monthly Total Flow MG	Inst Peak MGD	Daily MGD	TSS mg/L	TSS lbs/day	$CBOD_5$ mg/L	$CBOD_5$ lbs/day
Jan	25.753	2.34	0.831	414	2,868	276	1,916
Feb	22.914	1.98	0.818	406	2,768	268	1,827
Mar	25.097	2.00	0.810	310	2,096	201	1,356
Apr	25.252	2.40	0.842	267	1,873	176	1,234
May	24.921	2.61	0.804	305	2,048	193	1,294
Jun	23.264	2.54	0.775	266	1,719	177	1,144
Jul	25.579	2.37	0.823	281	1,930	181	1,240
Aug	25.069	2.42	0.809	321	2,162	196	1,324
Sep	23.791	2.35	0.793	375	2,480	285	1,887
Oct	24.132	2.47	0.778	345	2,239	234	1,520
Nov	23.632	2.38	0.788	520	3,417	245	1,608
Dec	23.575	2.07	0.760	477	3,023	187	1,185
AVG	24.415	2.328	0.803	357	2385	218	1461
TOTALS	293.0						

FINAL EFFLUENT							
Total Rain Inches	Monthly Total Flow MG	Inst Peak Flow MGD	Max Daily Flow MGD	Avg MGD	TSS mg/L	TSS lbs/day	Monthly Min. TSS % Removal
1.40	25.99	2.48	0.988	0.838	9.4	65	97.74
0.00	22.77	1.66	0.858	0.813	8.7	60	97.86
1.01	24.25	1.58	0.871	0.782	6.8	44	97.81
0.12	23.67	1.97	0.859	0.789	11	72	95.97
0.33	23.29	1.98	0.810	0.751	8.2	49	97.33
0.12	22.19	2.34	0.800	0.740	7.9	48	97.05
0.03	24.03	1.99	1.153	0.775	8.5	49	96.97
0.00	23.62	2.09	0.812	0.762	10	64	96.80
0.01	22.45	2.04	0.803	0.748	8.0	51	97.87
0.07	23.41	2.07	0.802	0.755	11	69	96.83
0.68	23.34	2.37	0.885	0.778	11	70	97.93
0.33	23.71	1.86	0.874	0.765	12	78	97.42
	23.559	2.04	0.876	0.775	9.4	60	97.3
4.10	282.7						

Tabular Data for 2013 Summary Report

FINAL E F F L U E N T														
$CBOD_5$ mg/L	$CBOD_5$ lbs	Min.$CBOD_5$ % Removal	NH3-N mg/L	NH3-N lbs	O & G mg/l	O & G lbs/day	Turb NTU	pH High SU	pH Low SU	Final Effluent Cl2 ug/L	Cl2 Total lbs/day	Temp °F	Coliform Median Total MPN	Coliform Average Fecal MPN
7.7	53	97.22	0	**0**	ND	0	3.0	7.34	6.89	0.0	227	67	7	**2**
5.7	39	97.87	0	**0**	ND	0	2.9	7.24	6.88	0.0	226	67	3	**2**
6.2	40	96.94	0	**0**	ND	0	3.1	7.29	6.85	0.0	204	70	4	**2**
7.1	47	95.96	0	**0**	ND	0	4.1	7.26	6.81	0.0	303	73	9	**2**
5.0	31	97.40	0	**0**	ND	0	2.6	7.28	6.89	0.0	230	74	8	**2**
5.3	32	97.29	0	**0**	ND	0	2.6	7.36	6.77	0.0	258	77	10	**31**
5.7	34	96.82	0	**0**	ND	0	3.1	7.29	6.85	0.0	301	77	3	**5**
4.3	27	97.74	0	**0**	ND	0	2.8	7.26	6.88	0.0	321	78	4	**2**
3.6	23	98.62	0.4	**3**	ND	0	2.2	7.33	6.79	0.0	273	79	3	**2**
5.3	33	97.74	0.3	**2**	ND	0	2.7	7.31	6.86	0.0	263	76	2	**2**
5.3	35	97.84	0	**0**	ND	0	2.4	7.48	6.70	0.0	249	73	2	**2**
6.4	43	96.58	0	**0**	ND	0	2.6	7.52	6.93	0.0	254	72	2	**2**
5.6	**37**	**97.3**	**0**	**0**			**2.8**	**7.33**	**6.84**	**0**	**259**	**74**		

MONTECITO SANITARY DISTRICT

Collection System Maintenance and Renovation Program 2013

OBJECTIVE

To reduce Sanitary Sewer Overflows (SSO's), increase system reliability, optimize service life of all collection system components and plan for facility replacement.

GOALS – SHORT AND LONG TERM

Short Term:

1. Rehabilitate pipe sections that have been identified as needing repair/replacement.

2. Continue a systematic maintenance program based on past years data to indentify lines that need to be cleaned and evaluate by Closed Circuit Television (CCTV) using the NASSCO pipe rating system.

3. Continue a systematic CCTV program based on the maintenance line segment ratings to identify intrusion of roots, grease and/or structural defects and also check on the effectiveness of the District's cleaning procedures and equipment.

4. Implement the Fats, Grease & Oil Ordinance that has been drafted and is set for MSD Board adoption before July 2014.

5. Continue to enhance the District's Geographic Information System (GIS) of the collection system piping, including routine updating of the District's maintenance activities consisting of cleaning, CCTV, and manhole inspection.

6. Continue to prioritize and make repairs on collection system piping as it is found during regular CCTV'ing activities.

7. Continue to promote and fund a program which provides a financial incentive to property owners (offering a rebate up to $2,000) for the rehabilitation and/or replacement of private sewer laterals. The District's FY 2013-14 funding for this program is $40,000.

8. Continue to train staff and perform the lift station maintenance program consisting of de-ragging pumps, exercising valves, generators and setting up emergency by pass pumps at each of the 4 lift stations.

Long Term:

1. Continue to investigate the Inflow & Infiltration issues that may still exist within the District.

2. Continue to clean and CCTV the entire collection system for the inspection and recordation of the system with the closed circuit television truck complete a condition assessment of the system using the NASSCO pipe rating system for each line segment.

3. Continue with the pipeline rehabilitation and relining projects.

4. Rehabilitate and replace manholes as determined necessary.

ACTIONS COMPLETED IN 2013

1. Performed closed circuit video inspection of approximately 19 miles of collection system piping.

2. Cleaned approximately 50 miles of collection system piping.

3. Under contract with Insituform Technologies, the District continued with the sewer rehabilitation project completing 3.45 miles of sewer lining and rehabilitation.

4. Promoted and provided financial incentive for the rehabilitation/replacement of private sewer laterals. In 2013, ten property owners participated in this program and replaced/repaired their deteriorated laterals. The District refunded a total of $18,390 to property owners for these repairs.

5. Identified and raised/rehabilitated 9 manholes and 4 cleanouts in various locations throughout the District for a total cost $19,336.

6. Performed 4 emergency sewer main point repairs totaling 60 ft. of sewer main that was replaced at a cost of $30,510. The District also had slip-lining spot repairs completed in 10 different locations for a total of $10,800.

7. On April 29, 2013 District Board of Directors voted to award a contract to Municipal Maintenance & Equipment (MME) for the purchase of a new 2013 Sewer Cleaning Machine Combination Unit, and on May 29, 2013 the new Sewer Cleaning Machine was delivered to the District. The final contract amount for the purchase of the Sewer Cleaning Machine was $341,228.24.

2013 SANITARY SEWER OVERFLOW (SSO) REPORT SUMMARY

PRIVATE

1. 1/14/13 – 971 Cold Springs Road: Private sewer main and manhole located within the driveway of the property overflowed resulting in a spill of approximately 72 gallons. A large amount of roots found in the private manhole was identified as being the cause of the spill that traveled down driveway and along curb and gutter. The Collections Crew notified the property manager to stop using the water and immediately call a plumber. The collections crew then washed down and used a micro-septic disinfectant to clean the area. The property owner was notified to repair the private manhole.

2. 1/23/13 – 671 Cold Springs Road: A local plumbing contractor, while cleaning the private sewer lateral with a hydro-jetter caused a sewer overflow from a cleanout located in the parking lot of the Montecito Covenant Church resulting in a spill of approximately 250 gallons which traveled southerly down the side of Cold Springs Road. The plumber cleared the blockage and the majority of the water, approximately 225 gallons from the hydro-jetter was captured and diverted to another clean-out. The plumbing contractor hired Service Master to remove all debris from the sewer overflow and to clean and disinfect the area.

3. 7/3/13 – 1409 School House Road: Private sewer lateral cleanout located in the property overflowed resulting in a spill of approximately 15 gallons. The cause of the spill was unknown at the time. The property owner was immediately notified to stop using water and directed to call a plumber. The collections crew then washed down and used a micro-septic disinfectant to clean the area. A video inspection provided at a later date to the District showed that the private lateral had several areas of heavy root intrusion and the owner was required to replace the private lateral.

DISTRICT

4. 1/04/13 – Category 2: Manhole #190-2G – In front of the property known as 900 Cold Springs Road. A large amount of roots found in the manhole was identified as the reason the manhole overflowed causing a sewer spill of approximately 108 gallons. The spill traveled from the manhole alongside the Cold Springs roadway ending 30 ft. down from the manhole. The collections crew contained and recovered 108 gallons of sewage plus 50 gallons of washed down water that was used to rinse the area. The collections crew used a micro-septic disinfectant to clean the area.

5. 2/27/13 – Category 2: 196-2G – In front of the property known as 800 Cold Springs Road. A large amount of paper towels and debris found in the manhole was identified as the cause of the manhole overflowing causing a sewer spill of approximately 25 gallons. The spill traveled alongside of the road way ending approximately 320 ft. down Cold Springs Road. The spill had cleared itself prior to the collections crew arriving. The area was rinsed down and cleaned with a micro-septic disinfectant.

6. 10/31/13 – Category 3: 726-5D – Lower Manning Park. A large amount of roots was identified as being the cause of a sewer overflow in the parking lot. An estimated spill of 10 gallons traveled approximately 50 ft. down the curb in the parking lot area. The spill was stopped by hydro-jetting the sewer main from the downstream manhole. The collections crew contained and recovered 50 gallons of sewage plus 60 gallons of washed down water that was used to rinse the area. A micro-septic disinfectant was used to clean the area.

MONTECITO SANITARY DISTRICT

Mission, History and Future Goals

OUR MISSION

To provide the residents of Montecito with a community service to protect public health and to preserve the natural environment through collection, treatment and disposal of wastewater in the most cost effective way possible.

To meet all regulatory discharge requirements as directed by Local, State and Federal agencies.

OUR BACKGROUND

The Montecito Sanitary District (MSD) is an independent special district voted into existence in 1947 by the residents of Montecito. A few highlights of MSD's history include the following:

- 1947: The Montecito Sanitary District was voted into existence by the residents.
- 1947-1960: The community worked toward implementation of service by approving a bond issue, selecting a plant site, and establishing a District boundary.
- 1960: A $900,000 bond issue was passed to build a 750,000 gallon per day extended aeration, secondary treatment plant, an ocean outfall and trunk sewer system.
- 1961-1969: Six assessment districts were formed to finance the installation of 70 miles of collection system pipelines.
- 1981: Voters approved a $3.1 million revenue bond issue to incorporate new technology and expand the plant's capacity to 1.5 MGD.
- 1982-1999: During this time period a second activated sludge reactor basin was added to the treatment plant; two additional secondary clarifiers were constructed; the volume of the aerobic digester was increased; a dissolved air flotation thickener and a belt filter press were installed; a second effluent chlorine contact chamber was constructed along with a de-chlorination chamber; a 250 KW emergency generator was installed at the treatment plant. In the mid 1990's, sodium hypochlorite and sodium bisulfite liquids, replaced gaseous chlorine and sulfur dioxide for safety reasons.

- 2000 - 2006: During this time period the District completed the following capital improvement projects: bulk chemical storage tanks were replaced with larger, double wall containment with earthquake restraints; six new disinfection chemical feed pumps for sodium hypochlorite and sodium bisulfite were installed, improving reliability and adding redundancy; a paperless data trend process recorder was installed; an aeration system optimization project was completed, the laboratory was upgraded; the influent pump station was replaced, increasing the station's pumping capacity from 3.5 MGD to 5.0 MGD; a SCADA control center and the construction of a new 3,600 square foot maintenance building.

- 2007 - 2008: The Montecito Board of Director's identified and approved "mission critical" capital improvement projects totaling approximately $11 million. The District then issued Certificates of Participation (COP's) to fund the capital program. The following projects were completed in 2007 and 2008: a new SCADA server with expandability for future was put on line for the influent pump station control; the waste activated sludge pump was replaced; the aeration air header made of deteriorated ductile iron pipe was replaced with a new stainless steel pipe; a new 125 KW portable emergency generator that can be used to power a portion of the treatment plant or as a redundant back up at pump stations was purchased; the Posilipo Lift Station (Lift Station No. 4) was completely refurbished including the replacement of the existing 6" dual force mains with dual 8" lines; a new fully redundant pumping system (three new pumps) were installed along with an automatic switch over to generator power.

- 2009: The District completed the following capital improvement projects: the influent channel grinders were replaced with two new units increasing flow volume from 3.5 mgd to 6.0 mgd; the secondary clarifiers (3 & 4) were refurbished and the effluent channel was refurbished.

- 2010: Completed the refurbishment of two motor control centers (MCC) and replacement of another (MCC); installation of a new 450 KW emergency diesel powered generator providing 100 percent of the treatment plant and associated facilities power requirements during main power outages. The total cost of these treatment plant electrical upgrades was $540,000. The new laboratory building design and site grading was completed in the fall of 2010.

- 2011: The new laboratory building construction was completed in December 2011 and the District Board accepted the project as complete in January 2012. Also completed in 2011 were upgrades to the treatment plant SCADA monitoring system. Additional essential treatment plant equipment was added to the SCADA system. An after-hours alarm notification system was added to the SCADA system as the primary notification system with the existing auto dialer (ADA) becoming the back up. Three effluent disinfection chemical dosing pumps were replaced with new pumps.

- 2012: Refurbishment of all four Secondary Clarifiers; installation of two new sodium hypochlorite chemical feed pumps and one sodium bisulfite chemical feed pump; all three Influent Pumps were retrofitted with new high chrome impellors and volutes and the Influent Variable Frequency Drive motors were replaced with new energy efficient units.

- 2013: Capital projects completed included the remodel of the former lab into an Operations Control Center; the refurbishment of the Belt Filter Press System; the replacement of the sodium hypochlorite and sodium bisulfite analyzers and the replacement of a 3,000 gallon hypochlorite tank.

- 2014: Future projects include ELAP Accreditation of the District Testing Laboratory and updating the treatment plant SCADA computer.