

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
CENTRAL VALLEY REGION

ADMINISTRATIVE CIVIL LIABILITY ORDER NO. R5-2011-0518

MANDATORY PENALTY
IN THE MATTER OF

MAXWELL PUBLIC UTILITIES DISTRICT
WASTEWATER TREATMENT FACILITY
COLUSA COUNTY

This Order is issued to the Maxwell Public Utilities District (hereafter referred to as Discharger) pursuant to California Water Code (CWC) section 13385, which authorizes the imposition of Administrative Civil Liability (ACL). This Order is based on findings that the Discharger violated provisions of Waste Discharge Requirements (WDRs) Orders R5-2002-0022 and R5-2009-0009 (NPDES No. CA0079987) and Time Schedule Order (TSO) R5-2007-0073.

The Executive Officer of the California Regional Water Quality Control Board, Central Valley Region (Central Valley Water Board or Board) finds the following:

1. The Discharger owns and operates a wastewater collection, treatment, and disposal system, and provides sewerage service to the community of Maxwell. Treated municipal wastewater is discharged to an unnamed tributary to Lurline Creek, tributary to the Colusa Basin Drain, a water of the United States.
2. On 1 March 2002, the Central Valley Water Board issued WDRs Order R5-2002-0022. On 5 February 2009, effective 27 March 2009, the Board issued WDRs Order R5-2009-0009 which included new requirements and rescinded Order R5-2002-0022. The WDRs include effluent limitations and other requirements, including a time schedule to comply with tertiary treatment requirements by 18 May 2010.
3. On 22 June 2007, the Central Valley Water Board issued Time Schedule Order (TSO) R5-2007-0073. The TSO allowed the Discharger until 18 May 2010 to comply with final effluent limitations, and included interim effluent limitations for BOD, total suspended solids, and total coliform organisms. The interim effluent limitations remained in effect until 18 May 2010. On 8 October 2009, the Board issued Order R5-2009-0098 amending TSO R5-2007-0073 to include a time schedule for continuous chlorine and turbidity monitoring and adding an interim effluent limitation for turbidity. This Order considered the interim effluent limitations and the protection from Mandatory Minimum Penalties provided by TSO R5-2007-0073 and Order R5-2009-0098.
4. Compliance with the TSO exempted the Discharger from MMPs for violations of effluent limitations for BOD, total suspended solids, and total coliform organisms in accordance with CWC section 13385(j)(3) beginning 22 June 2007 and ending 18 May 2010. Because CDO R5-2002-0023 provided the Discharger with five years to comply with effluent limitations for ammonia, the exemption from mandatory minimum penalties pursuant to CWC section 13385(j)(3) does not apply for this constituent after 1 February 2007.

5. The Discharger submitted a Wastewater Facilities Plan describing construction of a new wastewater treatment facility. Treated wastewater will be discharged to agricultural land instead of surface waters. TSO R5-2007-0073 allows the Discharger until 18 May 2010 to complete the land discharge facility. However, the project was slowed down due to wetlands and endangered species issues. By letters dated 10 December 2009, 26 March 2010, and 8 November 2010, the Discharger has requested an extension of the compliance time schedule. The new facility is scheduled to be in operation by 31 November 2011.
6. On 18 September 2008, the Executive Officer issued ACL Order R5-2008-0561, assessing \$1,617,000 dollars for mandatory minimum penalties for the period of 1 January 2000 through 30 April 2008. The Order allowed the entire \$1,617,000 penalty to be applied to the land disposal compliance project, and required that the land application wastewater treatment plant be fully operational by 18 May 2010. Due to "unforeseeable contingencies", on 28 December 2010, the Executive Officer modified the time schedule to require that the plant be fully operational by 31 January 2012. This Order contains the same compliance schedule as ACL Order R5-2008-0561.
7. On 12 November 2010, Central Valley Water Board staff issued the Discharger a Notice of Violation and draft Record of Violations for effluent limitation violations from 1 May 2008 through 30 September 2010, as well as five effluent limitation violations that occurred in May and June 2007 but were not previously addressed in ACL Order R5-2008-0561. On 23 November 2010, the Discharger responded and disagreed with some of the violations. Staff deleted those violations protected by TSO R5-2007-0073. Staff and the Discharger are now in agreement as to the violations as contained in Attachment A, incorporated herein by reference. In its 23 November 2010 letter, the Discharger requested that all penalties be applied toward its compliance project.
8. CWC section 13385(h) and (i) require assessment of mandatory minimum penalties and state, in part, the following:

CWC section 13385(h)(1) states,

Notwithstanding any other provision of this division, and except as provided in subdivisions (j), (k), and (l), a mandatory minimum penalty of three thousand dollars (\$3,000) shall be assessed for each serious violation.

CWC section 13385 (h)(2) states,

For the purposes of this section, a 'serious violation' means any waste discharge that violates the effluent limitations contained in the applicable waste discharge requirements for a Group II pollutant, as specified in Appendix A to Section 123.45 of Title 40 of the Code of Federal Regulations, by 20 percent or more or for a Group I pollutant, as specified in Appendix A to Section 123.45 of Title 40 of the Code of Federal Regulations, by 40 percent or more.

CWC section 13385(i)(1) states,

Notwithstanding any other provision of this division, and except as provided in subdivisions (j), (k), and (l), a mandatory minimum penalty of three thousand dollars (\$3,000) shall be assessed for each violation whenever the person does any of the following four or more times in any period of six consecutive months, except that the requirement to assess the mandatory minimum penalty shall not be applicable to the first three violations:

- A) Violates a waste discharge requirement effluent limitation.
- B) Fails to file a report pursuant to Section 13260.
- C) Files an incomplete report pursuant to Section 13260.
- D) Violates a toxicity effluent limitation contained in the applicable waste discharge requirements where the waste discharge requirements do not contain pollutant-specific effluent limitations for toxic pollutants.

9. CWC section 13323 states, in part:

Any executive officer of a regional board may issue a complaint to any person on whom administrative civil liability may be imposed pursuant to this article. The complaint shall allege the act or failure to act that constitutes a violation of law, the provision authorizing civil liability to be imposed pursuant to this article, and the proposed civil liability.

10. WDRs Order R5-2002-0022 Effluent Limitations B.1b. states in part:

Effluent shall not exceed the following limits (after 31 January 2007):

<u>Constituent</u>	<u>Units</u>	<u>Average Monthly</u>	<u>Average Weekly</u>	<u>7-Day Median</u>	<u>Average Daily</u>	<u>Daily Maximum</u>
<u>Turbidity</u>	NTU				2	5 ⁵

⁵ The turbidity shall not exceed 5 NTU more than 5 percent of the time within a 24-hour period. At no time shall the turbidity exceed 10 NTU.

11. WDRs Order R5-2002-0022 Effluent Limitations B.1b. also states in part:

<u>Constituents</u>	<u>Units</u>	<u>Average Monthly</u>	<u>Average 4-Day</u>	<u>Average Daily</u>	<u>Average 1-Hour</u>
<u>Ammonia</u>	mg/L lb/day ²	Attachment B	Attachment C	-- --	Attachment D

¹ Based upon a design treatment capacity of 0.20 mgd ($x \text{ mg/L} \times 8.345 \times 0.20 \text{ mgd} = y \text{ lbs/day}$)

² The mass limit (lb/day) for ammonia shall be equal to the concentration limit (from Attachments) multiplied by the design flow of 0.20 mgd and the unit conversion factor of 8.345 (see footnote 1 for equation).

Note Attachment B is a table entitled "Temperature- and pH-Dependent Effluent Limits For Ammonia Criterion Continuous Concentration, Maximum Average Monthly Concentration."

Attachment C is a table entitled "Temperature- and pH-Dependent Effluent Limits For Ammonia, Maximum 4-day Average."

Attachment D is a table entitled "pH-Dependent Effluent Limits For Ammonia Criterion Maximum Concentration, Maximum 1-Hour Average."

The applicable effluent limitations from Attachments B, C, and D of Order R5-2002-0022, based upon appropriate discharge temperature and pH, are as listed in Attachment A of this Order.

12. WDRs Order R5-2002-0022 Effluent Limitations B.4. states: “The discharge shall not have a pH less than 6.5 nor greater than 8.5.”
13. WDRs Order R5-2009-0009 Final Effluent Limitations and Discharge Specifications IV.A.1.a. states, in part:

The Discharger shall maintain compliance with the effluent limitations specified in Table 6:

Parameter	Units	Effluent Limitations				
		Average Monthly	Average Weekly	Maximum Daily	Instantaneous Minimum	Instantaneous Maximum
Ammonia Nitrogen (Total as N)	mg/L	0.6	--	1.5	--	--
Biochemical Oxygen Demand (5-Day@20°C)	mg/L	10	15	20		
	lbs/day ¹	17	25	33		
pH	su	--	--	--	6.5	8.5
Total Coliform	MPN/100 mL	--	--	--	--	240
Total Suspended Solids	mg/L	10	15	20		
	lbs/day ¹	17	25	33		

¹ Based upon an average dry weather flow of 0.2 mgd

14. WDRs Order R5-2009-0009 Final Effluent Limitations and Discharge Specifications IV.A.1.e. states, in part:
- e. Total Coliform Organisms. Effluent total coliform organisms shall not exceed:
 - i. 2.2 most probable number (MPN) per 100 mL, as a 7-day median; and
 - ii. 23 MPN/100 mL, more than once in any 30-day period.
15. WDRs Order R5-2009-0009 Interim Effluent Limitations and Discharge specifications IV.A.2.a. states in part:
- a. Effective immediately and ending on 18 May 2010... These interim effluent limitations shall apply in lieu of the corresponding final effluent limitations specified for the same parameters during the time period in this provision.

Parameter	Units	Effluent Limitations				
		Average Monthly	Average Weekly	Maximum Daily	Instantaneous Minimum	Instantaneous Maximum
Ammonia Nitrogen, Total (as N)	mg/L	--	--	8	--	--

16. According to the Discharger's self-monitoring reports, the Discharger committed two hundred twenty-one (221) serious Group I violations of the above effluent limitations contained in Orders R5-2002-0022 and R5-2009-0009 during the period beginning 1 May 2008 and ending 30 September 2010, as well as five (5) violations that were not previously assessed in ACL Order R5-2008-0561. The violations are defined as serious because measured concentrations of Group I constituents exceeded maximum prescribed levels by more than 40 percent on these occasions. The mandatory minimum penalty for the serious violations is **six hundred sixty-three thousand dollars (\$663,000)**.
17. According to the Discharger's self-monitoring reports, the Discharger committed one hundred ninety-five (195) non-serious violations of the above effluent limitations contained in Order R5-2002-0022 and R5-2009-0009 during the period beginning 1 May 2008 and ending 30 September 2010. The non-serious violations are subject to mandatory penalties under CWC section 13385(i)(1) because these violations were preceded by three or more similar violations within a six-month period. The mandatory minimum penalty for the non-serious violations is **five hundred eighty-five dollars (\$585,000)**.
18. The total amount of the mandatory penalties assessed for the cited effluent violations is **one million two hundred forty-eight thousand dollars (\$1,248,000)**. A detailed list of the cited effluent violations is included in Attachment A, a part of this Order. This Complaint addresses administrative civil liability for violations that are specifically identified in Attachment A.
19. CWC section 13385 (k) states:
 - (1) In lieu of assessing all or a portion of the mandatory minimum penalties pursuant to subdivisions (h) and (i) against a publicly owned treatment works serving a small community, the state board or the regional board may elect to require the publicly owned treatment works to spend an equivalent amount towards the completion of a compliance project proposed by the publicly owned treatment works, if the state board or the regional board finds all of the following:
 - (A) The compliance project is designed to correct the violations within five years.
 - (B) The compliance project is in accordance with the enforcement policy of the state board, excluding any provision in the policy that is inconsistent with this section.
 - (C) The publicly owned treatment works has prepared a financing plan to complete the compliance project.
 - (2) For the purposes of this subdivision, "a publicly owned treatment works serving a small community" means a publicly owned treatment works serving a population of 10,000 persons or fewer or a rural county, with a financial hardship as determined by the state board after considering such factors as median income of the residents, rate of unemployment, or low population density in the service area of the publicly owned treatment works.

20. Staff at the State Water Resources Control Board prepared a memorandum dated 6 March 2008, which determined that the Maxwell Public Utilities District Wastewater Treatment Plant is a publicly owned treatment works serving a small community with a financial hardship within the meaning of CWC section 13385(k)(2). On 4 August 2008, the Executive Director of the State Water Board confirmed that determination.
21. The Discharger is in the process of spending an estimated \$11.7 million on the construction of a new land discharge wastewater treatment plant, thereby correcting the violations that led to the assessment of the ACL penalty. Of this amount, \$6.7 million of revenue is from a grant and cannot be used to offset the mandatory minimum penalties. The new plant will consist of improvements to the existing mechanical headworks, installation of a second aeration lagoon, installation of constructed wetlands after the oxidation ponds, construction of a pump station to move effluent to a storage pond located at the land application site, and installation of a SCADA system to monitor plant processes and performance. The Discharger will construct a new irrigation system for land application of treated effluent at an agricultural parcel. On 11 January 2008, the Discharger's General Manager submitted a detailed outline of the project, the construction schedule, and a listing of project costs. On 8 November 2010, the Discharger's General Manager submitted an updated schedule.
22. As described in Finding No. 6, the Discharger was allowed to apply its previous \$1,617,000 mandatory penalty toward the above Compliance Project. This Order allows \$1,248,000 in mandatory penalties to be applied to the same Compliance Project. Because the Discharger has secured \$5 million in loan funding, applying a total of \$2,865,000 in mandatory penalties toward the cost of the project complies with CWC 13385(k) and the Enforcement Policy as required under 13385(k).
23. The Central Valley Water Board finds that the Compliance Project has been designed to correct the violations that have led to the issuance of this Administrative Civil Liability Order within five years, is as short as possible, and that the project is in accordance with the Enforcement Policy of the State Water Board. The Discharger plans to expend on the Compliance Project an amount in excess of the mandatory minimum penalty that is required by CWC sections 13385(h) and (i).
24. This Order constitutes a settlement of the violations herein mentioned. Notice of this settlement was published on the Central Valley Water Board's website, and was provided to all interested parties. The 30-day public notice and comment period mandated by Federal regulations (40 CFR 123.27) has expired and no comments were received.
25. On 23 April 2009, the Central Valley Water Board delegated the authority to issue Administrative Civil Liability Orders, where the matter is not contested by the Discharger, to the Executive Officer.
26. Issuance of this Administrative Civil Liability Order to enforce CWC Division 7, Chapter 5.5 is exempt from the provisions of the California Environmental Quality Act (Pub. Resources

Code section 21000 et seq.), in accordance with California Code of Regulations, title 14, section 15321(a)(2).

MAXWELL PUBLIC UTILITIES DISTRICT IS HEREBY GIVEN NOTICE THAT:

1. The Discharger shall be assessed an Administrative Civil Liability in the amount of **one million two hundred forty-eight thousand dollars (\$1,248,000)**.
2. The entire \$1,248,000 penalty shall be deemed satisfied by the Central Valley Water Board through completion of the compliance project, as long as the Discharger completes the project by the schedule below:

<u>Task</u>	<u>Compliance Date</u>
Complete Construction of the Land Application Wastewater Treatment Plant	30 November 2011
Full Operation of the Land Application Wastewater Treatment Plant	31 January 2012
Submit final project report describing whether the project goals, costs, milestones, and completion dates have been met. The final accounting shall detail describe the funds spent for this particular project.	1 April 2012

3. Beginning **1 March 2011**, the District shall submit monthly reports regarding the progress of construction. The reports shall describe the construction tasks completed to date and provide an updated schedule. In addition, a progress report shall be submitted on or before each of the above compliance dates. The report shall describe the work undertaken to comply with this Order.
4. The Assistant Executive Officer may extend the deadlines contained in this Order if the Discharger demonstrates that unforeseeable contingencies have created delays, provided that the Discharger continues to undertake all appropriate measures to meet the deadlines. The Discharger shall make any deadline extension request in writing at least 30 days prior to the deadline. Under no circumstances may the completion of the Compliance Project extend past 18 September 2013, which is five years from the date on which Order R5-2008-0561 was approved (i.e., the initial order allowing the Discharger's MMPs to be directed towards the Compliance Project). The Discharger must obtain written approval from the Assistant Executive Officer for any significant departures from the project outlined in Finding No. 21 and the time schedule shown above. Failure to obtain approval for any significant departures may result in the assessment of the full amount of the suspended mandatory minimum penalty.
5. If, in the judgment of the Assistant Executive Officer, the Discharger fails to complete the Compliance Project in accordance with the by the due date listed above (including any extensions approved by the Assistant Executive Officer), or fails to construct the compliance project in accordance with the updated schedule submitted to the Central Valley Water Board on 8 November 2010, the Assistant Executive Officer may demand payment of the suspended liability that reflects the portion of the compliance project that

has not been satisfactorily completed. Payment must be made within 30 days of such a demand.

6. Should the Discharger fail to take any of the above actions, the Assistant Executive Officer may refer the matter to the State Attorney General for enforcement of the terms of this Order.
7. This Order is final upon signature.

Any person aggrieved by this action of the Central Valley Water Board may petition the State Water Board to review the action in accordance with CWC section 13320 and California Code of Regulations, title 23, sections 2050 and following. The State Water Board must receive the petition by 5:00 p.m., 30 days after the date that this Order becomes final, except that if the thirtieth day following the date that this Order becomes final falls on a Saturday, Sunday, or state holiday (including mandatory furlough days), the petition must be received by the State Water Board by 5:00 p.m. on the next business day. Copies of the law and regulations applicable to filing petitions may be found on the Internet at:

http://www.waterboards.ca.gov/public_notices/petitions/water_quality
or will be provided upon request.

Original signed by

KENNETH D. LANDAU, Assistant Executive Officer

4 February 2011

DATE

ATTACHMENT A
ADMINISTRATIVE CIVIL LIABILITY ORDER NO. R5-2011-0518

**Maxwell Public Utility District
Wastewater Treatment Plant**

RECORD OF VIOLATIONS (May/June 2007 and 1 May 2008 -30 September 2010) MANDATORY PENALTIES
(Data reported under Monitoring and Reporting Programs R5-2002-0022 and R5-2009-0009)

<u>Date</u>	<u>Violation Type</u>	<u>Units</u>	<u>Limit</u>	<u>Measure</u> <u>d</u>	<u>Period Type</u>	<u>Remarks</u>	<u>CIWQS</u>
<i>Violations of Order R5-2002-0022:</i>							
The following five violations occurred in May and June 2007 but were not previously addressed in ACLO R5-2008-0561:							
25-May-07	Turbidity	NTU	2	71	Daily Avg.	1	769257
25-May-07	Turbidity	NTU	5	71	Daily Max	1	769258
25-May-07	Turbidity	NTU	10	71	Instantaneous	1	769259
1-Jun-07	Turbidity	NTU	10	45	Instantaneous	1	769272
8-Jun-07	Turbidity	NTU	10	62	Instantaneous	1	769281
New violations which occurred after ACLO R5-2008-0561 was issued:							
6-Jun-08	pH	SU	8.5	10	Instantaneous	4	805959
6-Jun-08	Ammonia	lbs/day	0.56	1.03	1-hr Average	1	805960
6-Jun-08	Ammonia	mg/L	0.34	2	1-hr Avg	1	805961
6-Jun-08	Ammonia	lbs/day	0.58	1.03	4-Day Avg	1	805962
6-Jun-08	Ammonia	mg/L	0.35	2	4-Day Avg	1	805963
13-Jun-08	pH	SU	8.5	10	Instantaneous	4	805964
13-Jun-08	Ammonia	lbs/day	0.56	0.78	1-hr Average	4	805965
13-Jun-08	Ammonia	mg/L	0.34	1.47	1-hr Average	1	805966
13-Jun-08	Ammonia	lbs/day	0.58	0.78	4-Day Avg	4	805967
13-Jun-08	Ammonia	mg/L	0.35	1.47	4-Day Avg	1	805969
20-Jun-08	Ammonia	lbs/day	0.56	0.81	1-hr Average	1	805971
20-Jun-08	Ammonia	lbs/day	0.58	0.81	4-Day Avg	1	805973
20-Jun-08	Ammonia	mg/L	0.34	1.49	1-hr Average	1	805972
20-Jun-08	Ammonia	mg/L	0.35	1.49	4-Day Avg	1	805974
20-Jun-08	pH	SU	8.5	10	Instantaneous	4	805970
27-Jun-08	Ammonia	lbs/day	0.34	0.6	1-hr Average	4	805976
27-Jun-08	Ammonia	lbs/day	0.41	0.6	4-Day Avg	4	805978
27-Jun-08	Ammonia	mg/L	0.34	0.87	1-hr Average	1	805977
27-Jun-08	Ammonia	mg/L	0.35	0.87	4-Day Avg	1	805979
27-Jun-08	pH	SU	8.5	10	Instantaneous	4	805975
30-Jun-08	Ammonia	lbs/day	0.23	0.69	Monthly	1	806098
30-Jun-08	Ammonia	mg/L	0.34	1.1	1-hr Average	1	806064
30-Jun-08	Ammonia	mg/L	0.35	0.985	4-Day Avg	1	806097
30-Jun-08	Ammonia	mg/L	0.14	1.39	Monthly	1	806099
30-Jun-08	pH	SU	8.5	10	Instantaneous	4	806062
4-Jul-08	pH	SU	8.5	10	Instantaneous	4	806100
11-Jul-08	Ammonia	mg/L	0.34	0.87	1-hr Average	1	806102
11-Jul-08	Ammonia	mg/L	0.22	0.87	4-Day Avg	1	806104

ATTACHMENT A
TENTATIVE ADMINISTRATIVE CIVIL LIABILITY ORDER NO. R5-2011-0518
MANDATORY PENALTY
MAXWELL PUBLIC UTILITY DISTRICT WASTEWATER TREATMENT PLANT
COLUSA COUNTY

<u>Date</u>	<u>Violation Type</u>	<u>Units</u>	<u>Limit</u>	<u>Measure d</u>	<u>Period Type</u>	<u>Remarks</u>	<u>CIWQS</u>
11-Jul-08	pH	SU	8.5	10	Instantaneous	4	806101
18-Jul-08	Ammonia	mg/L	0.34	0.62	1-hr Average	1	806107
18-Jul-08	Ammonia	mg/L	0.22	0.62	4-Day Avg	1	806108
18-Jul-08	pH	SU	8.5	10	Instantaneous	4	806105
25-Jul-08	Ammonia	lbs/day	0.34	0.45	4-Day Avg	4	806112
25-Jul-08	Ammonia	mg/L	0.34	0.7	1-hr Average	1	806111
25-Jul-08	Ammonia	mg/L	0.22	0.7	4-Day Average	1	806114
25-Jul-08	pH	SU	8.5	10	Instantaneous	4	806110
31-Jul-08	Ammonia	lbs/day	0.15	0.36	Monthly	1	806116
31-Jul-08	Ammonia	mg/L	0.09	0.73	Monthly	1	806117
1-Aug-08	Ammonia	lbs/day	0.345	0.48	4-Day Avg	4	806120
1-Aug-08	Ammonia	mg/L	0.34	0.69	1-hr Average	1	806119
1-Aug-08	Ammonia	mg/L	0.22	0.69	4-Day Avg	1	806121
1-Aug-08	pH	SU	8.5	10	Instantaneous	4	806118
8-Aug-08	Ammonia	lbs/day	0.56	1.13	1-hr Average	1	806123
8-Aug-08	Ammonia	lbs/day	0.34	1.13	4-Day Avg	1	806125
8-Aug-08	Ammonia	mg/L	0.34	2.05	1-hr Average	1	806124
8-Aug-08	Ammonia	mg/L	0.21	2.05	4-Day Avg	1	806126
8-Aug-08	pH	SU	8.5	10	Instantaneous	4	806122
15-Aug-08	Ammonia	lbs/day	0.34	0.55	4-Day Avg	1	806138
15-Aug-08	Ammonia	mg/L	0.34	0.8	1-hr Average	1	806128
15-Aug-08	Ammonia	mg/L	0.22	0.8	4-Day Avg	1	806139
15-Aug-08	pH	SU	8.5	10	Instantaneous	4	806127
22-Aug-08	Ammonia	lbs/day	0.562	0.62	1-hr Average	4	806141
22-Aug-08	Ammonia	lbs/day	0.34	0.62	4-Day Avg	1	806143
22-Aug-08	Ammonia	mg/L	0.34	0.87	1-hr Average	1	806142
22-Aug-08	Ammonia	mg/L	0.22	0.87	4-Day Avg	1	806144
22-Aug-08	pH	SU	8.5	10	Instantaneous	4	806140
29-Aug-08	Ammonia	lbs/day	0.56	0.66	1-hr Average	4	806146
29-Aug-08	Ammonia	lbs/day	0.34	0.66	4-Day Avg	1	806150
29-Aug-08	Ammonia	mg/L	0.34	0.95	1-hr Average	1	806148
29-Aug-08	Ammonia	mg/L	0.22	0.95	4-Day Avg	1	806151
29-Aug-08	pH	SU	8.5	10	Instantaneous	4	806145
31-Aug-08	Ammonia	lbs/day	0.147	0.688	Monthly	1	806153
31-Aug-08	Ammonia	mg/L	0.089	1.072	Monthly	1	806154
31-Aug-08	Coliform	MPN/100 mL	23	26	30-day Median	4	806152
5-Sep-08	Ammonia	lbs/day	0.562	1.58	1-hr Average	1	806159
5-Sep-08	Ammonia	lbs/day	0.34	1.58	4-Day Avg	1	806164
5-Sep-08	Ammonia	mg/L	0.34	1.92	1-hr Average	1	806161

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COLUSA COUNTY

<u>Date</u>	<u>Violation Type</u>	<u>Units</u>	<u>Limit</u>	<u>Measure d</u>	<u>Period Type</u>	<u>Remarks</u>	<u>CIWQS</u>
5-Sep-08	Ammonia	mg/L	0.221	1.92	4-Day Avg	1	806165
5-Sep-08	pH	SU	8.5	10	Instantaneous	4	806156
12-Sep-08	pH	SU	8.5	10	Instantaneous	4	806167
24-Sep-08	Ammonia	lbs/day	0.34	0.43	4-Day Avg	4	806172
24-Sep-08	Ammonia	mg/L	0.34	0.76	1-hr Average	1	806170
24-Sep-08	Ammonia	mg/L	0.221	0.76	4-Day Avg	1	806174
24-Sep-08	pH	SU	8.5	10	Instantaneous	4	806169
26-Sep-08	Ammonia	lbs/day	0.34	0.445	4-Day Avg	4	806181
26-Sep-08	Ammonia	mg/L	0.34	0.78	1-hr Average	1	806177
26-Sep-08	Ammonia	mg/L	0.221	0.77	4-Day Avg	1	806182
26-Sep-08	pH	SU	8.5	10	Instantaneous	4	806175
30-Sep-08	Ammonia	lbs/day	0.148	0.63	Monthly	1	806185
30-Sep-08	Ammonia	mg/L	0.089	0.91	Monthly	1	806187
30-Sep-08	TSS	mg/L	160	167	Monthly	4	806183
3-Oct-08	pH	SU	8.5	8.6	Instantaneous	4	806188
10-Oct-08	Ammonia	mg/L	1.23	1.88	1-hr Average	1	806190
10-Oct-08	Ammonia	mg/L	0.739	1.88	4-Day Avg	1	806362
10-Oct-08	pH	SU	8.5	8.8	Instantaneous	4	806189
17-Oct-08	Ammonia	mg/L	0.88	0.94	1-hr Average	4	806365
17-Oct-08	Ammonia	mg/L	0.54	0.94	4-Day Avg	1	806366
17-Oct-08	pH	SU	8.5	9	Instantaneous	4	806363
24-Oct-08	Ammonia	mg/L	0.639	0.85	4-Day Avg	4	806369
24-Oct-08	pH	SU	8.5	8.9	Instantaneous	4	806368
31-Oct-08	Ammonia	lbs/day	0.54	0.668	Monthly	4	806374
31-Oct-08	Ammonia	mg/L	0.88	1.05	1-hr Average	4	806372
31-Oct-08	Ammonia	mg/L	0.33	1.102	Monthly	1	806376
31-Oct-08	pH	SU	8.5	9	Instantaneous	4	806371
7-Nov-08	Ammonia	lbs/day	1.48	2.13	1-hr Average	1	806380
7-Nov-08	Ammonia	lbs/day	2.029	2.13	4-Day Avg	4	806383
7-Nov-08	Ammonia	mg/L	0.88	3.4	1-hr Average	1	806382
7-Nov-08	Ammonia	mg/L	1.215	3.4	4-Day Avg	1	806386
7-Nov-08	pH	SU	8.5	9	Instantaneous	4	806378
14-Nov-08	Ammonia	lbs/day	1.734	2.09	1-hr Average	4	806390
14-Nov-08	Ammonia	mg/L	1.039	4.9	1-hr Average	1	806392
14-Nov-08	Ammonia	mg/L	1.369	4.9	4-Day Avg	1	806394
14-Nov-08	pH	SU	8.5	8.9	Instantaneous	4	806387
21-Nov-08	Ammonia	mg/L	1.232	3.65	1-hr Average	1	806398
21-Nov-08	Ammonia	mg/L	1.65	3.65	4-Day Avg	1	806400
21-Nov-08	pH	SU	8.5	8.8	Instantaneous	4	806396

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COLUSA COUNTY

<u>Date</u>	<u>Violation Type</u>	<u>Units</u>	<u>Limit</u>	<u>Measure</u> <u>d</u>	<u>Period Type</u>	<u>Remarks</u>	<u>CIWQS</u>
24-Nov-08	Ammonia	lbs/day	0.97	1.81	1-hr Average	1	806403
24-Nov-08	Ammonia	lbs/day	1.37	1.79	4-Day Avg	4	806407
24-Nov-08	Ammonia	mg/L	0.82	3.425	4-Day Avg	1	806409
24-Nov-08	pH	SU	8.5	9.3	Instantaneous	4	806402
30-Nov-08	Ammonia	lbs/day	0.81	1.95	Monthly	1	806411
30-Nov-08	Ammonia	mg/L	0.48	3.7875	Monthly	1	806412
5-Dec-08	Ammonia	lbs/day	0.87	1.9	1-hr Average	1	806421
5-Dec-08	Ammonia	lbs/day	1.24	1.9	4-Day Avg	1	806425
5-Dec-08	Ammonia	mg/L	0.52	2.87	1-hr Average	1	806423
5-Dec-08	Ammonia	mg/L	0.74	2.87	4-Day Avg	1	806427
5-Dec-08	pH	SU	8.5	9.4	Instantaneous	4	806419
12-Dec-08	pH	SU	8.5	9.1	Instantaneous	4	806429
19-Dec-08	Ammonia	lbs/day	0.97	1.7	1-hr Average	1	806433
19-Dec-08	Ammonia	lbs/day	1.37	1.7	4-Day Avg	4	806437
19-Dec-08	Ammonia	mg/L	0.58	2.8	1-hr Average	1	806434
19-Dec-08	Ammonia	mg/L	0.82	2.8	4-Day Avg	1	806439
19-Dec-08	pH	SU	8.5	9.3	Instantaneous	4	806431
22-Dec-08	Ammonia	lbs/day	1.27	1.9	1-hr Average	1	806447
22-Dec-08	Ammonia	lbs/day	1.76	1.8	4-Day Avg	4	806451
22-Dec-08	Ammonia	mg/L	0.76	3.24	1-hr Average	1	806449
22-Dec-08	Ammonia	mg/L	1.06	3.02	4-Day Avg	1	806452
22-Dec-08	pH	SU	8.5	9.1	Instantaneous	4	806445
29-Dec-08	Ammonia	lbs/day	0.87	3.4	1-hr Average	1	806454
29-Dec-08	Ammonia	lbs/day	1.24	3.4	4-Day Avg	1	806456
29-Dec-08	Ammonia	mg/L	0.52	5.36	1-hr Average	1	806455
29-Dec-08	Ammonia	mg/L	0.74	5.36	4-Day Avg	1	806457
29-Dec-08	pH	SU	8.5	9.4	Instantaneous	4	806453
31-Dec-08	Ammonia	lbs/day	0.57	1.784	Monthly	1	806458
31-Dec-08	Ammonia	mg/L	0.34	2.984	Monthly	1	806459
9-Jan-09	Ammonia	lbs/day	0.784	3.11	1-hr Average	1	830395
9-Jan-09	Ammonia	lbs/day	1.13	3.46	4-Day Avg	1	830397
9-Jan-09	Ammonia	mg/L	0.47	5.92	1-hr Average	1	830388
9-Jan-09	Ammonia	mg/L	0.674	5.92	4-Day Avg	1	830396
9-Jan-09	pH	SUs	8.5	9.5	Instant Max	4	830390
16-Jan-09	Ammonia	lbs/day	0.868	2.48	1-hr Average	1	830401
16-Jan-09	Ammonia	lbs/day	1.24	2.63	4-Day Avg	1	830403
16-Jan-09	Ammonia	mg/L	0.52	5.22	1-hr Average	1	830400
16-Jan-09	Ammonia	mg/L	0.741	5.22	4-Day Avg	1	830402
16-Jan-09	pH	SU	8.5	9.4	Instant Max	4	830391

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<u>Date</u>	<u>Violation Type</u>	<u>Units</u>	<u>Limit</u>	<u>Measure</u> <u>d</u>	<u>Period Type</u>	<u>Remarks</u>	<u>CIWQS</u>
23-Jan-09	Ammonia	lbs/day	0.665	4.35	1-hr Average	1	830406
23-Jan-09	Ammonia	lbs/day	0.964	3.87	4-Day Avg	1	830410
23-Jan-09	Ammonia	mg/L	0.398	6.95	1-hr Average	1	830404
23-Jan-09	Ammonia	mg/L	0.578	6.95	4-Day Avg	1	830407
23-Jan-09	pH	SU	8.5	9.7	Instant Max	4	830392
30-Jan-09	Ammonia	lbs/day	0.784	4.13	1-hr Average	1	830412
30-Jan-09	Ammonia	lbs/day	1.13	3.84	4-Day Avg	1	830414
30-Jan-09	Ammonia	mg/L	0.47	8.25	1-hr Average	1	830411
30-Jan-09	Ammonia	mg/L	0.674	8.25	4-Day Avg	1	830413
30-Jan-09	pH	SUs	8.5	9.5	Instant Max	4	830394
31-Jan-09	Ammonia	lbs/day	0.445	3.57	Monthly	1	830417
31-Jan-09	Ammonia	mg/L	0.267	6.59	Monthly	1	830416
6-Feb-09	Ammonia	mg/L	0.47	8.03	1-hr Average	1	822672
6-Feb-09	Ammonia	mg/L	0.674	8.03	4-Day Avg	1	822673
11-Feb-09	Ammonia	mg/L	1.06	7.74	1-hr Average	1	822680
11-Feb-09	Ammonia	mg/L	1.43	7.74	4-Day Avg	1	822681
20-Feb-09	Ammonia	mg/L	1.02	17.4	1-hr Average	1	822689
20-Feb-09	Ammonia	mg/L	1.39	17.4	4-Day Avg	1	822690
27-Feb-09	Ammonia	mg/L	0.989	5.33	1-hr Average	1	822704
27-Feb-09	Ammonia	mg/L	1.35	5.33	4-Day Avg	1	822705
28-Feb-09	Ammonia	mg/L	0.485	9.63	Monthly	1	822789
6-Mar-09	Ammonia	mg/L	0.899	4.04	1-hr Average	1	822797
6-Mar-09	Ammonia	mg/L	1.23	4.04	4-Day Avg	1	822798
6-Mar-09	pH	SU	8.5	8.99	Instantaneous	4	822803
13-Mar-09	Ammonia	mg/L	0.832	3.58	1-hr Average	1	822811
13-Mar-09	Ammonia	mg/L	1.15	3.58	4-Day Avg	1	822812
13-Mar-09	pH	SU	8.5	9.04	Instantaneous	4	822816
20-Mar-09	Ammonia	mg/L	0.989	2.89	1-hr Average	1	822828
20-Mar-09	Ammonia	mg/L	1.08	2.89	4-Day Avg	1	822829
20-Mar-09	pH	SU	8.5	8.9	Instantaneous	4	822834
<i>Violations of Order R5-2009-0009:</i>							
27-Mar-09	pH	SU	8.5	9.2	Instantaneous	4	822622
3-Apr-09	pH	SU	8.5	9.5	Instantaneous	4	822549
6-Apr-09	pH	SU	8.5	9.6	Instantaneous	4	822561
17-Apr-09	pH	SU	8.5	9.4	Instantaneous	4	822591
24-Apr-09	pH	SU	8.5	9.1	Instantaneous	4	822606
1-May-09	pH	SU	8.5	9.3	Instantaneous	4	827783
8-May-09	pH	SU	8.5	9.2	Instantaneous	4	827784
15-May-09	pH	SU	8.5	9.1	Instantaneous	4	827785

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<u>Date</u>	<u>Violation Type</u>	<u>Units</u>	<u>Limit</u>	<u>Measure d</u>	<u>Period Type</u>	<u>Remarks</u>	<u>CIWQS</u>
22-May-09	pH	SU	8.5	9.5	Instantaneous	4	827786
29-May-09	pH	SU	8.5	9.5	Instantaneous	4	827787
6-Jun-09	pH	SU	8.5	9.4	Instantaneous	4	845305
13-Jun-09	pH	SU	8.5	9.3	Instantaneous	4	845306
20-Jun-09	pH	SU	8.5	9.7	Instantaneous	4	845307
27-Jun-09	pH	SU	8.5	9.1	Instantaneous	4	845308
30-Jun-09	pH	SU	8.5	9.6	Instantaneous	4	845309
10-Jul-09	pH	SU	8.5	9.7	Instant Max	4	845310
17-Jul-09	pH	SU	8.5	9.9	Instant Max	4	845311
24-Jul-09	pH	SU	8.5	8.96	Instant Max	4	845312
31-Jul-09	pH	SU	8.5	9.5	Instant Max	4	845313
7-Aug-09	pH	SU	8.5	9.59	Instant Max	4	863980
14-Aug-09	pH	SU	8.5	9.45	Instant Max	4	863981
19-Aug-09	pH	SU	8.5	9.7	Instant Max	4	863982
21-Aug-09	pH	SU	8.5	9.53	Instant Max	4	863983
26-Aug-09	pH	SU	8.5	9.48	Instant Max	4	863984
28-Aug-09	pH	SU	8.5	9.53	Instant Max	4	863985
4-Sep-09	pH	SU	8.5	9.7	Instant Max	4	856409
11-Sep-09	pH	SU	8.5	9.6	Instant Max	4	856424
18-Sep-09	pH	SU	8.5	9.5	Instant Max	4	856447
25-Sep-09	pH	SU	8.5	9.4	Instant Max	4	856454
2-Oct-09	pH	SU	8.5	9.1	Instant Max	4	853986
7-Oct-09	pH	SU	8.5	9.1	Instant Max	4	863987
9-Oct-09	pH	SU	8.5	9.2	Instant Max	4	863988
14-Oct-09	pH	SU	8.5	8.9	Instant Max	4	863989
16-Oct-09	pH	SU	8.5	8.9	Instant Max	4	863990
21-Oct-09	pH	SU	8.5	8.7	Instant Max	4	863991
23-Oct-09	pH	SU	8.5	8.8	Instant Max	4	863992
28-Oct-09	pH	SU	8.5	8.8	Instant Max	4	863993
30-Oct-09	pH	SU	8.5	8.9	Instant Max	4	863994
4-Nov-09	pH	SU	8.5	9.1	Instant Max	4	863995
6-Nov-09	pH	SU	8.5	9.2	Instant Max	4	863996
12-Nov-09	pH	SU	8.5	8.8	Instant Max	4	863997
13-Nov-09	pH	SU	8.5	9	Instant Max	4	863999
18-Nov-09	pH	SU	8.5	9	Instant Max	4	864000
20-Nov-09	pH	SU	8.5	8.7	Instant Max	4	864001
18-Dec-09	Ammonia	mg/L	8	9	Daily	4	864002
21-Dec-09	Ammonia	mg/L	8	10	Daily	4	864003
6-Jan-10	pH	SU	8.5	8.6	Instant Max	4	877227

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<u>Date</u>	<u>Violation Type</u>	<u>Units</u>	<u>Limit</u>	<u>Measure</u> <u>d</u>	<u>Period Type</u>	<u>Remarks</u>	<u>CIWQS</u>
15-Jan-10	pH	SU	8.5	8.6	Instant Max	4	877228
15-Jan-10	Ammonia	mg/L	8	9	Daily	4	877229
TSO protection ends May 18, 2010							
19-May-10	pH	SU	8.5	9.6	Instant Max	4	877257
21-May-10	BOD	mg/L	20	22	Daily	4	877258
21-May-10	pH	SU	8.5	9.4	Instant Max	4	877259
21-May-10	TSS	mg/L	20	65	Daily	1	877260
21-May-10	TSS	lbs/day	33	51	Daily	1	877261
22-May-10	BOD	mg/L	15	22	Weekly	1	877262
22-May-10	TSS	mg/L	15	65	Weekly	1	877263
22-May-10	TSS	lbs/day	25	51	Weekly	1	877264
26-May-10	pH	SU	8.5	9.4	Instant Max	4	877265
28-May-10	BOD	mg/L	20	49	Daily	1	877266
28-May-10	BOD	lbs/day	33	43	Daily	4	877267
28-May-10	pH	SU	8.5	9.4	Instantaneous	4	877268
28-May-10	TSS	mg/L	20	104	Daily	1	877269
28-May-10	TSS	lbs/day	33	90	Daily	1	877270
29-May-10	BOD	mg/L	15	49	Weekly	1	877271
29-May-10	BOD	lbs/day	25	43	Weekly	1	877272
29-May-10	TSS	mg/L	15	104	Weekly	1	877273
29-May-10	TSS	lbs/day	25	90	Weekly	1	877274
31-May-10	Ammonia	mg/L	0.6	0.8	Monthly	4	877275
31-May-10	BOD	mg/L	10	36	Monthly	1	877276
31-May-10	BOD	lbs/day	17	28	Monthly	1	877277
31-May-10	TSS	mg/L	10	81	Monthly	1	877278
31-May-10	TSS	lbs/day	17	64	Monthly	1	877279
2-Jun-10	pH	SU	8.5	9.7	Instant Max	4	879742
4-Jun-10	BOD	mg/L	20	48	Daily	1	879756
4-Jun-10	BOD	mg/L	15	48	Weekly	1	879757
4-Jun-10	BOD	lbs/day	33	47	Daily	1	879758
4-Jun-10	Coliform	MPN/100 ml	23	65	>once/30 days	4	879743
4-Jun-10	pH	SU	8.5	9.5	Instant Max	4	879745
4-Jun-10	TSS	mg/L	20	114	Daily	1	879759
4-Jun-10	TSS	lbs/day	33	111	Daily	1	879760
5-Jun-10	TSS	mg/L	15	114	Weekly	1	879761
5-Jun-10	TSS	lbs/day	25	111	Weekly	1	879762
9-Jun-10	pH	SU	8.5	9.6	Instant Max	4	879746
11-Jun-10	BOD	mg/L	15	18	Weekly	4	879763
11-Jun-10	pH	SU	8.5	9.9	Instant Max	4	879747

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<u>Date</u>	<u>Violation Type</u>	<u>Units</u>	<u>Limit</u>	<u>Measure</u> <u>d</u>	<u>Period Type</u>	<u>Remarks</u>	<u>CIWQS</u>
11-Jun-10	TSS	mg/L	20	40	Daily	1	879764
12-Jun-10	TSS	mg/L	15	40	Weekly	1	879765
12-Jun-10	TSS	lbs/day	25	31	Weekly	4	879766
16-Jun-10	pH	SU	8.5	9.8	Instant Max	4	879748
18-Jun-10	BOD	mg/L	20	34	Daily	1	879767
18-Jun-10	BOD	mg/L	15	34	Weekly	1	879768
18-Jun-10	pH	SU	8.5	9.8	Instant Max	4	879749
18-Jun-10	TSS	mg/L	20	81	Daily	1	879769
18-Jun-10	TSS	lbs/day	33	41	Daily	4	879770
19-Jun-10	TSS	mg/L	15	81	Weekly	1	879771
19-Jun-10	TSS	lbs/day	25	41	Weekly	1	879772
22-Jun-10	BOD	mg/L	20	22	Daily	4	879773
23-Jun-10	Coliform	MPN/100 ml	23	170	>once/30 days	4	879750
23-Jun-10	Coliform	MPN/100 ml	2.2	5	7-Day Median	4	879751
23-Jun-10	pH	SU	8.5	9.7	Instant Max	4	879752
25-Jun-10	BOD	mg/L	15	22	Weekly	1	879774
25-Jun-10	Coliform	MPN/100 ml	2.2	8	7-Day Median	4	879753
25-Jun-10	pH	SU	8.5	9.4	Instant Max	4	879754
25-Jun-10	TSS	mg/L	20	50	Daily	1	879775
26-Jun-10	TSS	mg/L	15	50	Weekly	1	879776
26-Jun-10	TSS	lbs/day	25	30	Weekly	4	879777
30-Jun-10	BOD	mg/L	10	31	Monthly	1	879778
30-Jun-10	BOD	lbs/day	17	23	Monthly	1	879779
30-Jun-10	pH	SU	8.5	9.4	Instant Max	4	879755
30-Jun-10	TSS	mg/L	10	71	Monthly	1	879780
30-Jun-10	TSS	lbs/day	17	53	Monthly	1	879782
2-Jul-10	BOD	mg/L	20	25	Daily	4	881338
2-Jul-10	pH	SU	8.5	9.6	Instant Max	4	881342
2-Jul-10	TSS	mg/L	20	62	Daily	1	881369
2-Jul-10	TSS	lbs/day	33	38	Daily	4	881357
3-Jul-10	BOD	mg/L	15	25	Weekly	1	881332
3-Jul-10	TSS	mg/L	15	62	Weekly	1	881361
3-Jul-10	TSS	lbs/day	25	38	Weekly	1	881351
7-Jul-10	pH	SU	8.5	9.7	Instant Max	4	881343
9-Jul-10	BOD	mg/L	20	29	Daily	1	881339
9-Jul-10	pH	SU	8.5	9.7	Instant Max	4	881344
9-Jul-10	TSS	mg/L	20	122	Daily	1	881370
9-Jul-10	TSS	lbs/day	33	76	Daily	1	881358
10-Jul-10	BOD	mg/L	15	29	Weekly	1	881333

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<u>Date</u>	<u>Violation Type</u>	<u>Units</u>	<u>Limit</u>	<u>Measure</u> <u>d</u>	<u>Period Type</u>	<u>Remarks</u>	<u>CIWQS</u>
10-Jul-10	TSS	mg/L	15	122	Weekly	1	881363
10-Jul-10	TSS	lbs/day	25	76	Weekly	1	881352
14-Jul-10	pH	SU	8.5	9.7	Instant Max	4	881345
16-Jul-10	pH	SU	8.5	9.6	Instant Max	4	881346
16-Jul-10	TSS	mg/L	20	54	Daily	1	881368
17-Jul-10	BOD	mg/L	15	19	Weekly	4	881334
17-Jul-10	TSS	mg/L	15	54	Weekly	1	881364
17-Jul-10	TSS	lbs/day	25	32	Weekly	4	881353
21-Jul-10	pH	SU	8.5	9.7	Instant Max	4	881347
23-Jul-10	BOD	mg/L	20	22	Daily	4	881340
23-Jul-10	pH	SU	8.5	9.6	Instant Max	4	881348
23-Jul-10	TSS	mg/L	20	68	Daily	1	881371
23-Jul-10	TSS	lbs/day	33	40	Daily	4	881359
24-Jul-10	BOD	mg/L	15	22	Weekly	1	881335
24-Jul-10	TSS	mg/L	15	68	Weekly	1	881365
24-Jul-10	TSS	lbs/day	25	40	Weekly	1	881354
28-Jul-10	pH	SU	8.5	9.9	Instant Max	4	881349
30-Jul-10	BOD	mg/L	20	24	Daily	4	881341
30-Jul-10	pH	SU	8.5	10	Instant Max	4	881350
30-Jul-10	TSS	mg/L	20	88	Daily	1	881372
30-Jul-10	TSS	lbs/day	33	52	Daily	1	881360
31-Jul-10	Ammonia	mg/L	0.6	0.9	Monthly	1	881331
31-Jul-10	BOD	mg/L	15	24	Weekly	1	881336
31-Jul-10	BOD	mg/L	10	24	Monthly	1	881337
31-Jul-10	TSS	mg/L	15	88	Weekly	1	881366
31-Jul-10	TSS	mg/L	10	79	Monthly	1	881367
31-Jul-10	TSS	lbs/day	25	52	Weekly	1	881355
31-Jul-10	TSS	lbs/day	17	48	Monthly	1	881356
4-Aug-10	Coliform	MPN/100 mL	2.2	7	7-Day Median	1	882640
4-Aug-10	pH	SU	8.5	9.7	Instant Max	4	882653
6-Aug-10	Coliform	MPN/100 mL	2.2	9	7-Day Median	1	882641
6-Aug-10	pH	SU	8.5	10.1	Instant Max	4	882655
6-Aug-10	TSS	mg/L	20	39	Daily Max	1	882662
7-Aug-10	BOD	mg/L	15	18	Weekly Ave	4	882637
7-Aug-10	TSS	mg/L	15	39	Weekly Ave	1	882670
11-Aug-10	Coliform	MPN/100 mL	2.2	10	7-Day Median	1	882642
11-Aug-10	pH	SU	8.5	9.63	Instant Max	4	882656
13-Aug-10	Coliform	MPN/100 mL	2.2	11	7-Day Median	4	882644
13-Aug-10	pH	SU	8.5	9.87	Instant Max	4	882657

ATTACHMENT A
TENTATIVE ADMINISTRATIVE CIVIL LIABILITY ORDER NO. R5-2011-0518
MANDATORY PENALTY
MAXWELL PUBLIC UTILITY DISTRICT WASTEWATER TREATMENT PLANT
COLUSA COUNTY

<u>Date</u>	<u>Violation Type</u>	<u>Units</u>	<u>Limit</u>	<u>Measure</u> <u>d</u>	<u>Period Type</u>	<u>Remarks</u>	<u>CIWQS</u>
14-Aug-10	TSS	mg/L	15	19	Weekly Ave	4	882671
18-Aug-10	Coliform	MPN/100 mL	2.2	14	7-Day Median	4	882645
18-Aug-10	pH	SU	8.5	10.02	Instant Max	4	882658
20-Aug-10	BOD	mg/L	20	39	Daily Max	1	882634
20-Aug-10	Coliform	MPN/100 mL	2.2	11	7-Day Median	4	882647
20-Aug-10	pH	SU	8.5	9.93	Instant Max	4	882659
20-Aug-10	TSS	mg/L	20	144	Daily Max	1	882663
20-Aug-10	TSS	lbs/day	33	91	Daily Max	1	882665
21-Aug-10	BOD	mg/L	15	39	Weekly Ave	1	882638
21-Aug-10	TSS	mg/L	15	144	Weekly Ave	1	882672
21-Aug-10	TSS	lbs/day	25	91	Weekly Ave	1	882674
25-Aug-10	Coliform	MPN/100 mL	2.2	8.5	7-Day Median	4	882649
25-Aug-10	pH	SU	8.5	9.44	Instant Max	4	882660
27-Aug-10	Ammonia	mg/L	1.5	2.48	Daily Max	1	882631
27-Aug-10	BOD	mg/L	20	32	Daily Max	1	882635
27-Aug-10	Coliform	MPN/100 mL	240	500	Instant Max	4	882652
27-Aug-10	Coliform	MPN/100 mL	2.2	13	7-Day Median	4	882650
27-Aug-10	pH	SU	8.5	9.14	Instant Max	4	882661
27-Aug-10	TSS	mg/L	20	126	Daily Max	1	882664
27-Aug-10	TSS	lbs/day	33	90	Daily Max	1	882666
28-Aug-10	BOD	mg/L	15	32	Weekly Ave	1	882639
28-Aug-10	TSS	mg/L	15	126	Weekly Ave	1	882673
28-Aug-10	TSS	lbs/day	25	90	Weekly Ave	1	882675
31-Aug-10	Ammonia	mg/L	0.6	1.23	Monthly Ave	1	882632
31-Aug-10	BOD	mg/L	10	26	Monthly Ave	1	882636
31-Aug-10	Coliform	MPN/100 mL	2.2	9	7-Day Median	4	882651
31-Aug-10	TSS	mg/L	10	82	Monthly Ave	1	882668
31-Aug-10	TSS	lbs/day	17	54	Monthly Ave	1	882669
25-Sep-01	BOD	mg/L	15	24	Weekly Ave	1	884296
25-Sep-01	TSS	mg/L	15	98	Weekly Ave	1	884299
25-Sep-01	TSS	lbs/day	25	40	Weekly Ave	1	884342
1-Sep-10	Coliform	MPN/100 mL	2.2	8	7-Day Median	4	884315
3-Sep-10	Coliform	MPN/100 mL	2.2	8	7-Day Median	4	884274
3-Sep-10	pH	SU	8.5	9.74	Instant Max	4	884336
3-Sep-10	TSS	mg/L	20	83	Daily Max	1	884327
4-Sep-10	BOD	mg/L	15	17	Weekly Ave	4	884300
4-Sep-10	TSS	mg/L	15	83	Weekly Ave	1	884317
4-Sep-10	TSS	lbs/day	25	32	Weekly Ave	4	884310
8-Sep-10	Coliform	MPN/100 mL	2.2	8	7-Day Median	4	884302

ATTACHMENT A
TENTATIVE ADMINISTRATIVE CIVIL LIABILITY ORDER NO. R5-2011-0518
MANDATORY PENALTY
MAXWELL PUBLIC UTILITY DISTRICT WASTEWATER TREATMENT PLANT
COLUSA COUNTY

<u>Date</u>	<u>Violation Type</u>	<u>Units</u>	<u>Limit</u>	<u>Measure</u> <u>d</u>	<u>Period Type</u>	<u>Remarks</u>	<u>CIWQS</u>
8-Sep-10	pH	SU	8.5	9.4	Instant Max	4	884290
10-Sep-10	BOD	mg/L	20	31	Daily Max	1	884344
10-Sep-10	Coliform	MPN/100 mL	240	500	Instant Max	4	884332
10-Sep-10	Coliform	MPN/100 mL	2.2	62	7-Day Median	4	884318
10-Sep-10	Coliform	MPN/100 mL	23	50	>once/30 days	4	884294
10-Sep-10	pH	SU	8.5	9.37	Instant Max	4	884275
10-Sep-10	TSS	mg/L	20	92	Daily Max	1	884337
10-Sep-10	TSS	lbs/day	33	38	Daily Max	4	884328
11-Sep-10	BOD	mg/L	15	31	Weekly Ave	1	884313
11-Sep-10	TSS	mg/L	15	92	Weekly Ave	1	884304
11-Sep-10	TSS	lbs/day	25	38	Weekly Ave	1	884319
15-Sep-10	Coliform	MPN/100 mL	2.2	62	7-Day Median	4	884305
15-Sep-10	Coliform	MPN/100 mL	23	120	>once/30 days	4	884291
15-Sep-10	pH	SU	8.5	9.24	Instant Max	4	884345
17-Sep-10	BOD	mg/L	20	25	Daily Max	4	884333
17-Sep-10	Coliform	MPN/100 mL	2.2	56	7-Day Median	4	884320
17-Sep-10	pH	SU	8.5	9.34	Instant Max	4	884280
17-Sep-10	TSS	mg/L	20	98	Daily Max	1	884338
17-Sep-10	TSS	lbs/day	33	36	Daily Max	4	884329
18-Sep-10	BOD	mg/L	15	25	Weekly Ave	1	884306
18-Sep-10	TSS	mg/L	15	98	Weekly Ave	1	884321
18-Sep-10	TSS	lbs/day	25	36	Weekly Ave	1	884308
22-Sep-10	Coliform	MPN/100 mL	2.2	29.5	7-Day Median	4	884293
22-Sep-10	pH	SU	8.5	9.51	Instant Max	4	884346
24-Sep-10	BOD	mg/L	20	24	Daily Max	4	884334
24-Sep-10	Coliform	MPN/100 mL	2.2	22	7-Day Median	4	884323
24-Sep-10	pH	SU	8.5	9.35	Instant Max	4	884268
24-Sep-10	TSS	mg/L	20	98	Daily Max	1	884335
24-Sep-10	TSS	lbs/day	33	40	Daily Max	4	884326
29-Sep-10	Coliform	MPN/100 mL	2.2	10.5	7-Day Median	4	884309
29-Sep-10	pH	SU	8.5	9.22	Instant Max	4	884324
30-Sep-10	BOD	mg/L	10	24	Monthly Ave	1	884286
30-Sep-10	TSS	mg/L	10	93	Monthly Ave	1	884339
30-Sep-10	TSS	lbs/day	17	37	Monthly Ave	4	884330

Remarks:

1. Serious Violation: For Group 1 pollutants that exceed the effluent limitation by 40 percent or more.
2. Serious Violation: For Group 2 pollutants that exceed the effluent limitation by 20 percent or more.
3. Non-serious violation falls within the first three violations in a six-month period, thus is exempt.
4. Non-serious violation subject to mandatory minimum penalties

VIOLATIONS AS OF: 9/31/2010

Group 1 Serious Violations:	221
Group 2 Serious Violations:	0
Non-serious Violations Exempt from MMPs:	0
Non-serious Violations Subject to MMPs:	195
<u>Total Violations Subject to MMPs:</u>	<u>416</u>

Mandatory Minimum Penalty = (221 Serious Violations + 195 Non-Serious Violations) x \$3,000 = \$1,248,000

Note: "Ammonia" violations shown in the table are violations of the "Ammonia Nitrogen, Total (as N)" effluent limit.