CITY OF SANTA CRUZ WASTEWATER TREATMENT PLANT

PRETREATMENT PROGRAM

2010 ANNUAL REPORT

PRETREATMENT ANNUAL REPORT

PCS Data Entry Form

PPS1

POTW Name City of Santa Cruz Wastewater Treatment Plant

NPDES Permit #: CA0048194

Period Covered By This Report:	1-1-10 (PSSD) Start Date	to	12-31-10 (PSED) End Date
Number of Significant Industrial Users in SNC With Pretreatment Compliance Schedule:	0		(SSNC)
Number of Notices of Violation and Administrative Orders Issued Against Significant Industrial Users:	0		(FENF)
Number of Civil and Criminal Judicial Actions Against Significant Industrial Users:	0		(JUDI)
Number of Significant Industrial Users with Significant Violations Published:	0		(SVPU)
Number of Industrial Users From Which Penalties Have Been Collected:	e 4		(IUPN)

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SECTION I. ANALYSIS OF POLLUTANTS IDENTIFIED IN SECTION 307(A) OF THE CLEAN WATER ACT, POLLUTANTS CONTRIBUTING TO PASS-THROUGH	
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ANALYSIS OF POLLUTANTS IDENTIFIED IN SECTION 307(A) OF THE CLEAN WATER ACT, POLLUTANTS CONTRIBUTING TO PASS-THROUGH

This section of the report contains data summaries, graphs and narratives to provide analyses of pollutants identified in Section 307(a) of the Clean Water Act (CWA) for samples of POTW influent, effluent and dewatered sludge that might have contributed to pass-through in 2010.

The pretreatment program and the laboratory collaborated to deploy integrative sampling devices in the effluent troughs during two thirty-day sampling periods in 2009, and in the effluent trough once in 2010. These devices are prescribed in the NPDES permit CA 0048194, issued to the City in 2005. The underlying technologies enable the facility to better evaluate the fate of trace organic compounds through the wastewater treatment facility, and contribute ways for the pretreatment program to assess the effectiveness of the source control programs of the City to limit the potential for pass-through. This novel process, originally developed by the United States Geological Survey (USGS) utilizes the fugacity of trace organic compounds in water to sequester the compounds into a semi-permeable membrane, at standard temperatures over a longer period of typically 30 days. The membrane is processed under license and a patent agreement granted by USGS to Environmental Sampling Technologies, Inc. (EST), St. Joseph, MO. Thereafter the ampoules of chemical extracts were analyzed with approved EPA analytical methods. Data from the processes have been analyzed for evidence of pass-through for compounds that have become amenable to analyses. The data are presented subsequently in this section.

Later in the report we present the data developed largely from these technologies and utilized for the revision of our Local Limits for regulating discharge through the wastewater treatment facility. The exercise of developing and revising the Local limits took three years and assistance of an engineering consulting firm – Kennedy/Jenks Associates.

Highlights of the new limits include the first comprehensive limits for trace organics and specific pesticides as well as new limits for priority pollutants including TSS.

The analyses of data on conventional priority pollutants including metals and nutrients indicate that there was no pass-through and the treatment processes remain effective as configured to meet secondary treatment standards.

Finally, there was no violation of the MRP No 00-044 during the period covered by this report.

The monitoring data indicate that compliance with the Waste Discharge Requirements (WDR) and Monitoring Requirement Program (MRP) has been good, and no problems are anticipated for 2011.

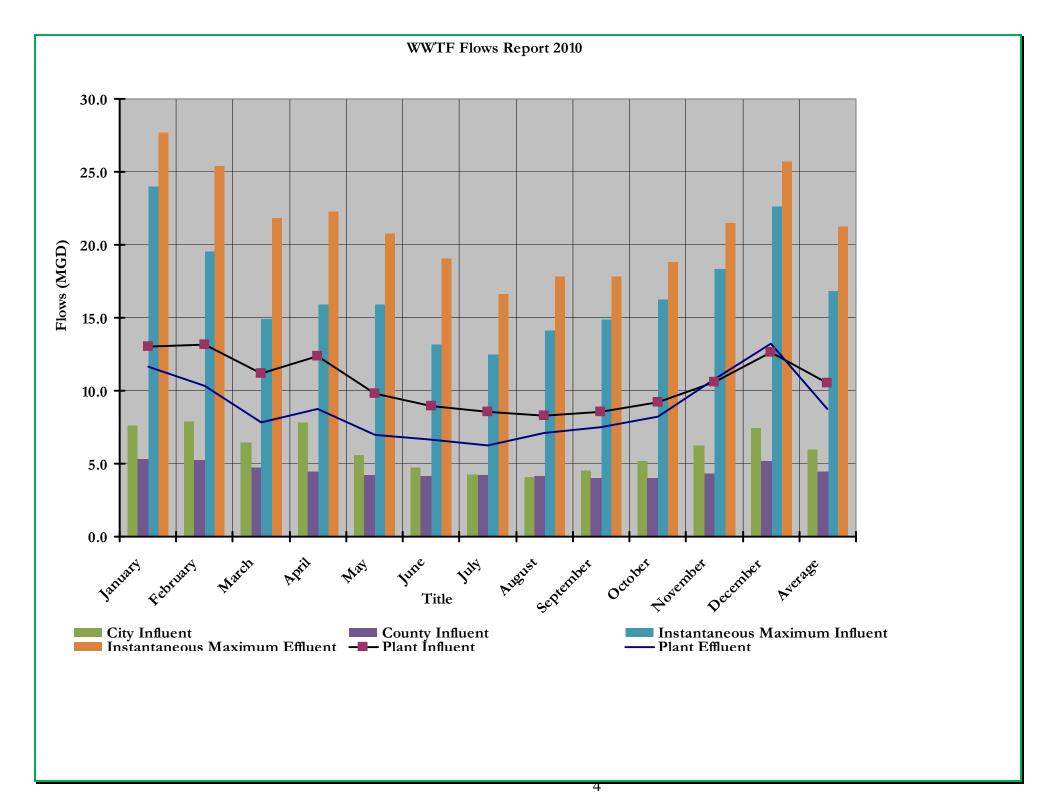
The remainder of this section of the report includes data summaries and graphs of select data including those from the sampling methods including the new integrative method. All data referenced in this section are included in the Discharger Self- Monitoring Program, MRP No 00-044.

WWTF WASTEWATER TREATMENT DATA SUMMARY - MONTHLY FLOW AVERAGES 2010

2010 MONTHS	Average Influent Flow	Peak Influent Instantaneous Maximum Flow	Average City Influent Flow	Average County Influent Flow	Average Effluent Flow	Peak Effluent Instantaneous Maximum
	MGD	MG	MG	MG	MGD	MG
January	13.0	27.7	7.6	5.3	11.7	24.0
February	13.1	25.4	7.9	5.3	10.3	19.5
March	11.2	21.8	6.5	4.7	7.8	15.0
April	12.3	22.3	7.8	4.5	8.8	16.0
May	9.8	20.8	5.6	4.2	7.0	15.9
June	8.9	19.1	4.7	4.2	6.6	13.2
July	8.5	16.6	4.3	4.2	6.2	12.5
August	8.3	17.8	4.1	4.1	7.1	14.1
September	8.6	17.8	4.6	4.0	7.5	14.8
October	9.2	18.8	5.2	4.0	8.2	16.2
November	10.6	21.5	6.2	4.3	10.8	18.3
December	12.6	25.7	7.4	5.2	13.2	22.6
Average	10.5	21.3	6.0	4.5	8.8	16.9
Maximum	13.1	27.7	7.9	5.3	13.2	24.0

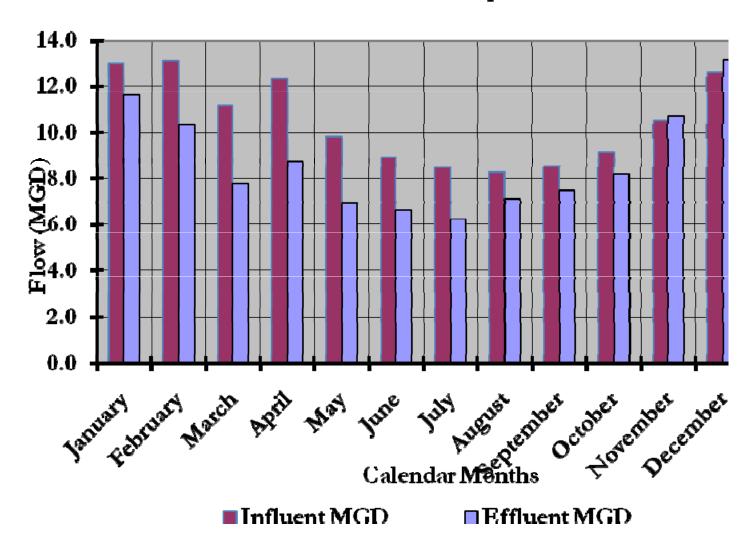
NPDES Limit 1: Average Dry Weather Maximum Effluent Flow 17 MGD

NPDES LIMIT 2: Maximum Daily Effluent Flow: 81 MGD



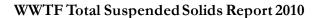
Calendar Months	Influent Flow Influent MGD	Effluent Flow Effluent MGD
January	13.0	11.7
February	13.1	10.3
March	11.2	7.8
April	12.3	8.8
May	9.8	7.0
June	8.9	6.6
July	8.5	6.2
August	8.3	7.1
September	8.6	7.5
October	9.2	8.2
November	10.6	10.8
December	12.6	13.2
Average	10.5	8.8
Minimum	8.3	6.2
Maximum	13.1	13.2

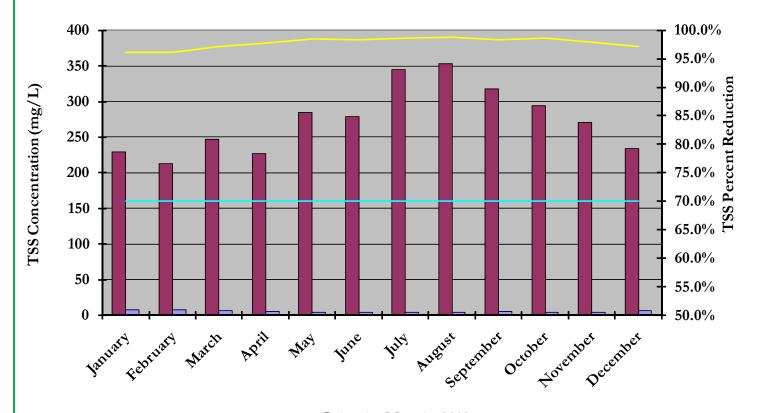




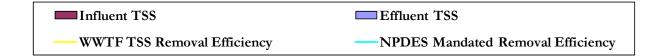
WWTF TOTAL SUSPENDED SOLIDS (TSS) DATA SUMMARY - MONTHLY AVERAGES 2010

2010 Monthly Averages	Influent TSS mg/l	Effluent TSS mg/l	TSS Removal	Average Monthly Effluent TSS Load pounds/day	Average Monthly Effluent TSS Load kilograms/day
January	381.1	5.5	98.6%	321.5	145.8
February	259.9	7.0	97.3%	925.2	419.7
March	343.5	4.6	98.7%	348.3	158.0
April	381.3	5.2	98.6%	315.2	143.0
May	395.9	4.4	98.9%	285.3	129.4
June	436.8	4.8	98.9%	300.3	136.2
July	482.9	4.6	99.0%	257.4	116.7
August	432.7	4.7	98.9%	264.4	119.9
September	349.4	4.4	98.7%	314.7	142.7
October	371.9	5.7	98.5%	432.2	196.0
November	363.1	5.7	98.4%	361.0	163.7
December	356.8	6.4	98.2%	458.9	221.9
Averages	379.6	5.3	98.6%	382.0	174.4
NPDES Limit 1 (Maximum 30-Day Effluent)		≤30 mg/L		4,253	1,929
NPDES Limit 2 (Maximum 7-Day Effluent Limit)		≤45 mg/L		6,380	2,894
NPDES Limit 3 (Minimum Monthly Average Removal)		O'	85%		



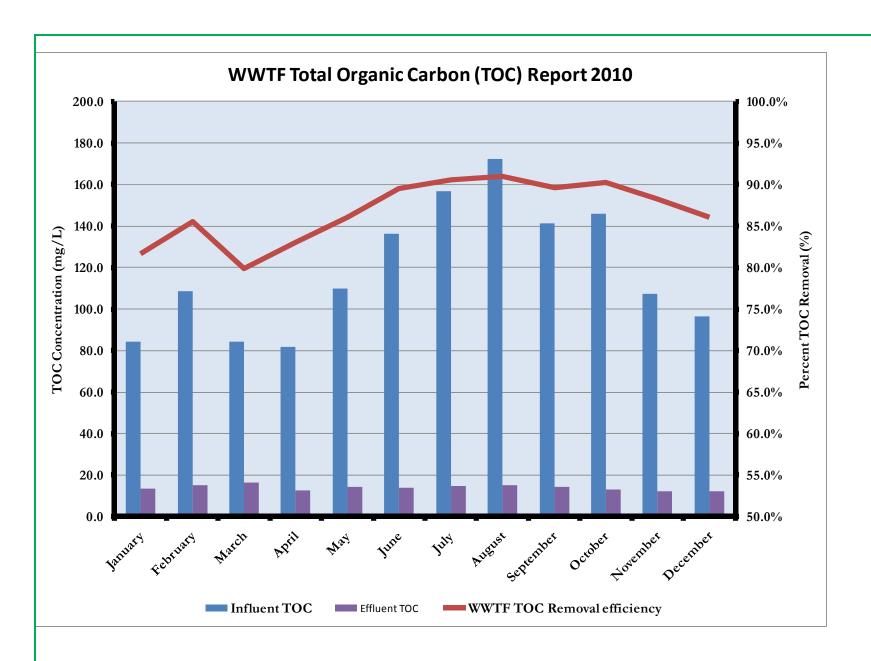


Calendar Months 2010



Total Organic Carbon Treatment (TOC) Report -2010

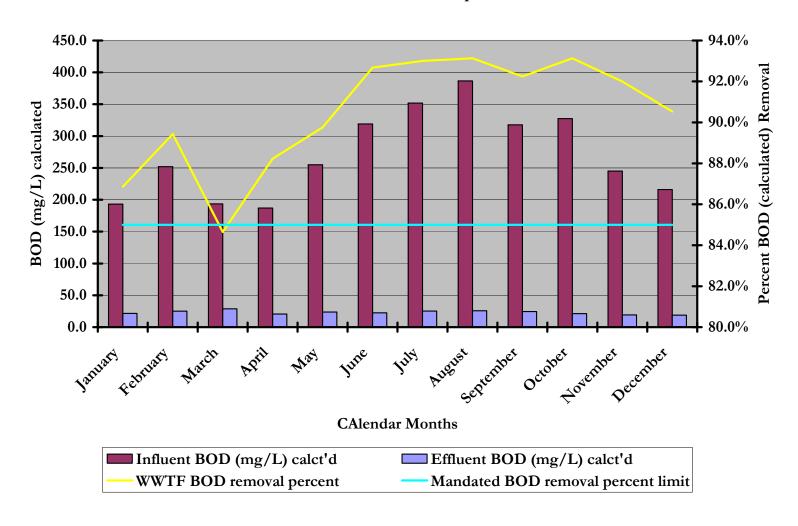
2010 Monthly Averages	Influent TOC	Effluent TOC	TOC Removal	Average Monthly Effluent TOC Load	Average Monthly Effluent TOC Load
	mg/l	mg/l	0/0	pounds/day	kilograms/day
January	84.4	13.4	81.7%	1426.3	647.0
February	108.7	15.0	85.5%	1035.6	469.8
March	84.5	16.3	79.8%	1079.9	489.8
April	81.9	12.9	83.0%	997.0	452.2
May	110.0	14.3	86.1%	853.7	387.2
June	136.5	13.7	89.5%	792.8	359.6
July	156.8	14.8	90.6%	765.1	347.1
August	172.3	15.0	91.0%	891.6	404.4
September	141.5	14.4	89.6%	895.8	406.3
October	145.9	13.2	90.2%	910.1	412.8
November	107.5	12.3	88.2%	1166.2	529.0
December	96.3	12.1	86.0%	1044.8	473.9
Averages	118.9	13.9	86.8%	988.2	448.3
NPDES Limit 1 (Maximum 30-Day Effluent TOC)		≤15.6 mg/L		2,198	1,609
NPDES Limit 2 (Maximum 7-Day Effluent TOC Limit)		≤25 mg/L		3,545	2,574
NPDES Limit 3 (Site-specific TOC Equivalent Minimum Monthly Average TOC Removal)			70%		



WWTF BIOCHEMICAL OXYGEN DEMAND (BOD Equivalent) TREATMENT DATA - MONTHLY AVERAGES 2010

2010 Monthly Averages	Influent BOD (calculated)	Effluent BOD (calculated)	WWTF BOD (calculated) Removal
	mg/l	mg/l	0/0
January	193.1	21.7	86.9%
February	252.0	25.2	89.4%
March	193.5	28.8	84.6%
April	187.0	20.4	88.2%
May	254.9	23.9	89.8%
June	318.9	22.5	92.7%
July	351.9	25.2	93.0%
August	386.6	25.7	93.1%
September	317.6	24.3	92.2%
October	327.5	21.2	93.1%
November	244.9	19.2	92.0%
December	216.1	18.7	90.5%
Averages	289.5	22.4	91.6%
NPDES Limit 1: (Maximum 30-Day Calculated Effluent BOD mg/L)		25	
NPDES Limit 2: (Maximum 7-Day Calculated Effluent BOD mg/L)		45	
NPDES Limit 3: Minimum Monthly BOD (calculated) Removal Average %			85%

WWTF Calculated BOD Report 2010



WWTF TRACE ORGANIC COMPOUNDS (TrOC or COMPOUNDS OF EMERGING CONCERN) in CALIFORNIA OCEAN PLAN TABLE B TREATMENT DATA - ANNUAL AVERAGES 2009

	WET SEASON MARCH 2009			
COMPOUNDS	INFLUENT (pg/L)	EFFLUENT (pg/L)	PERCEIVED* CHANGE (%)	
Aldrin	ND	ND	Perceived change values are	
chlordane, cis	21.63	57.73	represented in this column,	
chlordane, trans	21.32	46.63	only for compounds where a	
chlorpyrifos	131.36	154.54	measurable difference (%) exists, and is not excessively	
dacthal	ND	ND	confounded by the onerous	
DDD, o,p'	2.71	5.65	challenge of measurements in	
DDD, p,p'	1.49	3.78	the Influent.	
DDE, o,p'	0.29	0.42		
DDE, p,p'	14.41	21.35		
DDT, o,p'	2.20	2.43		
DDT, p,p'	4.88	7.08		
diazinon	ND	ND		
dieldrin	40.42	153.32		
endosulfan I	ND	ND		
endosulfan II	ND	ND		
endosulfan sulfate	ND	ND		
endrin	ND	ND		
heptachlor	2.36	2.66		
heptachlor epoxide	9.96	32.67		
hexachlorobenzene	4.85	17.88		
methoxychlor	3.15	2.76	13	
mirex	0.14	0.09	38	
nonachlor, cis	2.04	4.40		
nonachlor, trans	7.94	19.64		
oxychlordane	0.76	4.00		
Naphthalene	31,625.34	9,171.45	71	

Methylnaphthalene, 2-	12,898.15	4,531.69	65
Methylnaphthalene, 1-	5,992.65	1,995.78	67
Dimethylnaphthalene, 2,6-	1,788.88	466.30	74
Trimethylnaphthalene, 2,3,5-	425.45	215.49	49
Naphthalenes, C1 -	20,488.62	7,177.23	65
Naphthalenes, C2 -	7,276.05	2,260.26	69
Naphthalenes, C3 -	4,907.36	2,572.75	48
Naphthalenes, C4 -	1,736.72	2,030.55	
Biphenyl	2,588.78	952.57	63
Acenaphthylene	202.70	110.21	46
Acenaphthene	1,730.12	707.48	59
Fluorene	1,590.19	795.61	50
Methylfluorene, 1-	428.75	317.48	26
Fluorenes, C1 -	1,236.01	1,190.44	4
Fluorenes, C2 -	1,927.09	2,704.40	
Fluorenes, C3 -	1,784.70	2,120.26	
Dibenzothiophene	596.55	300.04	50
Dibenzothiophenes, C1 -	1,651.22	2,079.94	
Dibenzothiophenes, C2 -	625.25	949.79	
Dibenzothiophenes, C3 -	491.16	753.62	
Phenanthrene	5,414.56	1,879.05	65
Methylphenanthrene, 1-	294.01	181.44	38
Phenanthrene/Anthracene, C1 -	1,513.72	1,277.94	16
Phenanthrene/Anthracene, C2 -	1,332.68	2,332.22	
Phenanthrene/Anthracene, C3 -	578.56	977.31	
Phenanthrene/Anthracene, C4 -	291.44	519.71	
Anthracene	877.65	396.10	55
Fluoranthene	1,372.28	1,993.22	
Fluoranthene/Pyrenes, C1 -	780.00	1,193.97	

Pyrene	1,111.39	1,848.04	
Benz(a)anthracene	168.19	271.38	
Chrysene	169.33	250.45	
Chrysenes, C1 -	100.32	155.28	
Chrysenes, C2 -	61.74	73.31	
Chrysenes, C3 -	ND	29.98	
Benzo(b)fluoranthene	74.97	106.47	
Benzo(k)fluoranthene	ND	34.20	
Benzo(e)pyrene	55.20	72.95	
Benzo(a)pyrene	52.71	59.54	
Indeno(1,2,3-c,d)pyrene	ND	ND	
Dibenz(a,h)anthracene	ND	ND	
Benzo(g,h,i)perylene	ND	28.45	
8 - PCB	4.16	4.77	
18	5.48	7.65	
27	ND	0.46	
28	7.56	8.08	
29	ND	10.81	
31	6.68	7.97	
33	5.17	4.65	10
44	5.24	5.79	
49	3.61	4.45	
52	6.45	9.10	
56	2.09	2.04	3
60	1.12	1.06	6
64	1.30	1.24	5
66	3.79	4.00	
70	5.21	6.98	
74	2.31	2.64	

77 0.76 0.99 87 2.33 2.89 95 4.20 5.68 97 1.35 1.95 99 1.97 2.46 101 4.46 6.72 105 2.15 1.98 8 110 5.98 6.72 114 ND ND 118 4.69 5.15 126 0.43 0.20 54 128 0.54 0.58 137 0.48 0.31 35 138 2.85 2.67 6 141 0.55 0.73 146 ND ND ND 149 2.76 3.03 151 0.66 0.94 153 3.11 3.72 156 0.80 0.52 35 157 0.50 0.24 52 158 0.57 0.49 13 169 ND ND ND 177 0.41 0.53 0.53				
95	77	0.76	0.99	
97	87	2.33	2.89	
99 1.97 2.46 101 4.46 6.72 105 2.15 1.98 8 110 5.98 6.72 114 ND ND 118 4.69 5.15 126 0.43 0.20 54 128 0.54 0.58 137 0.48 0.31 35 138 2.85 2.67 6 141 0.55 0.73 146 ND ND 149 2.76 3.03 151 0.66 0.94 153 3.11 3.72 156 0.80 0.52 35 157 0.50 0.24 52 158 0.57 0.49 13 169 ND ND 170 0.43 0.11 76 170 0.43 0.11 76	95	4.20	5.68	
101 4.46 6.72 105 2.15 1.98 8 110 5.98 6.72 114 ND ND 118 4.69 5.15 126 0.43 0.20 54 128 0.54 0.58 137 0.48 0.31 35 138 2.85 2.67 6 141 0.55 0.73 6 146 ND ND ND 149 2.76 3.03 151 0.66 0.94 153 3.11 3.72 35 156 0.80 0.52 35 157 0.50 0.24 52 158 0.57 0.49 13 169 ND ND ND ND 170 0.43 0.11 76 174 0.21 0.53 0.53 0.53 0.53 0.53	97	1.35	1.95	
105 2.15 1.98 8 110 5.98 6.72 114 ND ND 118 4.69 5.15 126 0.43 0.20 54 128 0.54 0.58 137 0.48 0.31 35 138 2.85 2.67 6 141 0.55 0.73 6 146 ND ND ND 149 2.76 3.03 151 0.66 0.94 153 3.11 3.72 35 35 156 0.80 0.52 35 157 0.50 0.24 52 2 158 0.57 0.49 13 169 ND ND ND ND 170 0.43 0.11 76 174 0.21 0.53 0.53 0.53 0.53 0.53	99	1.97	2.46	
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114 ND ND 118 4.69 5.15 126 0.43 0.20 54 128 0.54 0.58 137 0.48 0.31 35 138 2.85 2.67 6 141 0.55 0.73 6 144 ND ND ND 149 2.76 3.03 6 151 0.66 0.94 6 153 3.11 3.72 6 156 0.80 0.52 35 157 0.50 0.24 52 158 0.57 0.49 13 169 ND ND 170 0.43 0.11 76 174 0.21 0.53	105	2.15	1.98	8
118 4.69 5.15 126 0.43 0.20 54 128 0.54 0.58 137 0.48 0.31 35 138 2.85 2.67 6 141 0.55 0.73 6 146 ND ND ND 149 2.76 3.03 3.03 151 0.66 0.94 3.72 156 0.80 0.52 35 157 0.50 0.24 52 158 0.57 0.49 13 169 ND ND 170 0.43 0.11 76 174 0.21 0.53	110	5.98	6.72	
126 0.43 0.20 54 128 0.54 0.58 137 0.48 0.31 35 138 2.85 2.67 6 141 0.55 0.73 146 ND ND 149 2.76 3.03 151 0.66 0.94 153 3.11 3.72 156 0.80 0.52 35 157 0.50 0.24 52 158 0.57 0.49 13 169 ND ND 170 0.43 0.11 76 174 0.21 0.53	114	ND	ND	
128 0.54 0.58 137 0.48 0.31 35 138 2.85 2.67 6 141 0.55 0.73 146 ND ND 149 2.76 3.03 151 0.66 0.94 153 3.11 3.72 156 0.80 0.52 35 157 0.50 0.24 52 158 0.57 0.49 13 169 ND ND ND 170 0.43 0.11 76 174 0.21 0.53	118	4.69	5.15	
137 0.48 0.31 35 138 2.85 2.67 6 141 0.55 0.73 146 ND ND 149 2.76 3.03 151 0.66 0.94 153 3.11 3.72 156 0.80 0.52 35 157 0.50 0.24 52 158 0.57 0.49 13 169 ND ND 170 0.43 0.11 76 174 0.21 0.53	126	0.43	0.20	54
138 2.85 2.67 6 141 0.55 0.73 146 ND ND 149 2.76 3.03 151 0.66 0.94 153 3.11 3.72 156 0.80 0.52 35 157 0.50 0.24 52 158 0.57 0.49 13 169 ND ND 170 0.43 0.11 76 174 0.21 0.53	128	0.54	0.58	
141 0.55 0.73 146 ND ND 149 2.76 3.03 151 0.66 0.94 153 3.11 3.72 156 0.80 0.52 35 157 0.50 0.24 52 158 0.57 0.49 13 169 ND ND 170 0.43 0.11 76 174 0.21 0.53	137	0.48	0.31	35
146 ND ND 149 2.76 3.03 151 0.66 0.94 153 3.11 3.72 156 0.80 0.52 35 157 0.50 0.24 52 158 0.57 0.49 13 169 ND ND 170 0.43 0.11 76 174 0.21 0.53	138	2.85	2.67	6
149 2.76 3.03 151 0.66 0.94 153 3.11 3.72 156 0.80 0.52 35 157 0.50 0.24 52 158 0.57 0.49 13 169 ND ND 170 0.43 0.11 76 174 0.21 0.53	141	0.55	0.73	
151 0.66 0.94 153 3.11 3.72 156 0.80 0.52 35 157 0.50 0.24 52 158 0.57 0.49 13 169 ND ND 170 0.43 0.11 76 174 0.21 0.53	146	ND	ND	
153 3.11 3.72 156 0.80 0.52 35 157 0.50 0.24 52 158 0.57 0.49 13 169 ND ND 170 0.43 0.11 76 174 0.21 0.53	149	2.76	3.03	
156 0.80 0.52 35 157 0.50 0.24 52 158 0.57 0.49 13 169 ND ND 170 0.43 0.11 76 174 0.21 0.53	151	0.66	0.94	
157 0.50 0.24 52 158 0.57 0.49 13 169 ND ND 170 0.43 0.11 76 174 0.21 0.53	153	3.11	3.72	
158 0.57 0.49 13 169 ND ND 170 0.43 0.11 76 174 0.21 0.53	156	0.80	0.52	35
169 ND ND 170 0.43 0.11 76 174 0.21 0.53	157	0.50	0.24	52
170 0.43 0.11 76 174 0.21 0.53	158	0.57	0.49	13
174 0.21 0.53	169	ND	ND	
	170	0.43	0.11	76
177 0.41 0.17 59	174	0.21	0.53	
37	177	0.41	0.17	59
180 0.82 0.76 8	180	0.82	0.76	
183 1.16 0.63 46	183	1.16	0.63	46
187 1.50 1.10 26	187	1.50	1.10	26

189	0.87		100
194	ND	ND	
195	ND	ND	
198_199	1.59	0.72	55
200	0.14	0.14	
201	0.85	0.24	72
203	0.35	0.14	60
206	0.72	ND	
209	ND	ND	

WWTF INFLUENT & EFFLUENT DATA 2010 MONTHLY AVERAGES – PH; CHLORINE; OIL & GREASE

2010 Months	Influent pH	Effluent pH	Daily Maximum Chlorine Residual	Peak Maximum Chlorine Residual	Influent Oil and Grease Monthly	Effluent Oil and Grease Monthly
	SI	SI	ug/l	ug/l	mg/l	mg/l
January	7.3	7.0	18.3	129.3	30	<5
February	7.3	7.0	14.2	50.0	15	<5
March	7.3	7.1	0.1	15.3	20	<5
April	7.2	7.1	0.0	0.5	17	<5
May	7.3	7.2	1.8	63.6	41	<5
June	7.3	7.1	0.0	0.0	15	<5
July	7.3	7.1	0.3	0.9	39	<5
August	7.4	7.3	7.0	160.7	31	<5
September	7.3	7.2	8.0	69.8	22	<5
October	7.2	7.1	5.5	61.5	26	<5
November	7.2	7.1	0.3	33.9	29	<5
December	7.1	6.9	14.1	56.1	21.0	<5
Averages	7.3	7.1	5.8	53.5	25.5	<5
Minimum	7.1	6.9	0.0	0.0	15.0	<5
Maximum	7.4	7.3	18.3	160.7	41.0	<5
NPDES Limit 1		Maximum: 9.0	Daily Maximum: 1,120	Instantaneous Maximum: 8,400		Monthly Average: 25
NPDES Limit 2		Minimum: 6.0	6-Month Median: 280			Monthly Maximum: 40
NPDES Limit 3						7-Day Average: 75

WWTF NPDES COMPOUNDS ANALYZED ON QUARTERLY FREQUENCY - EFFLUENT DATA - 2010

2010 Quarterly Data	Effluent Acute Toxicity (Quarterly)	Effluent Chronic Toxicity (Quarterly)	Effluent Phenols (Quarterly)	Effluent Total Sulfides (Quarterly)
	TUa	TUc	mg/L	mg/L
January	1.3	8	<0.001	<0.10
February				
March				
April	1.5	16	<0.001	<0.10
May				
June				
July	1.5	16	<0.001	<0.10
August				
September				
October	1.4	6.9	0.012	<0.10
November				
December	1.4	8		
Averages	1.4	10.98	0.0046	<0.1
Maximum	1.5	16	0.012	<0.1
NPDES Maximum Effluent Limits	4.47	140		

<u>WWTF NPDES NUTRIENTS; TEMPERATURE; TURBIDITY; SILICATES MONTHLY SUMMARY - 2010</u>

Monthly Averages	Effluent Turbidity (Monthly)	Effluent Temperature	Ammonia Nitrogen	Ortho- Phosphate	Urea	Nitrates	Dissolved Silicate
	NTU	°C	μg/L	mg/L	mg/L	mg/L	mg/L
January	4.7	17.6	38,000	6.1	0.08	40	33
February	2.8	17.7	14,000	5.1	0.08	26	31
March	3.9	17.8	27,400	5.7	0.07	7.2	34
April	3.1	17.9	27,200	4.7	0.10	21	28
May	3.6	20.0	32,600	9.1	0.17	1.2	32
June	3.0	24.1	27,410	9.6	0.11	23	34
July	3.5	23.9	34,570	8.8	0.10	17	36
August	2.8	24.1	35,080	5.3	0.08	15	36
September	3.3	24.3	36,740	6.2	0.13	28	37
October	3.0	23.3	38,800	4.7	0.11	39	37
November	3.1	20.6	19,825	5.8	0.1	51	35
December	2.6	18.8	23,850	5.8	0.10	11	33
Average	3.3	20.8	29,622.9	6.4	0.1	23.3	33.8
Minimum	2.6	17.6	14,000.0	4.7	0.07	0.9	32.0
NPDES Monthly Average Limit	75		Instantaneous Maximum: 840,000				
NPDES Weekly Average Limit	100		Daily Maximum: 336,000				
NPDES Daily Maximum Limit	225		6-Month Median: 84,000				

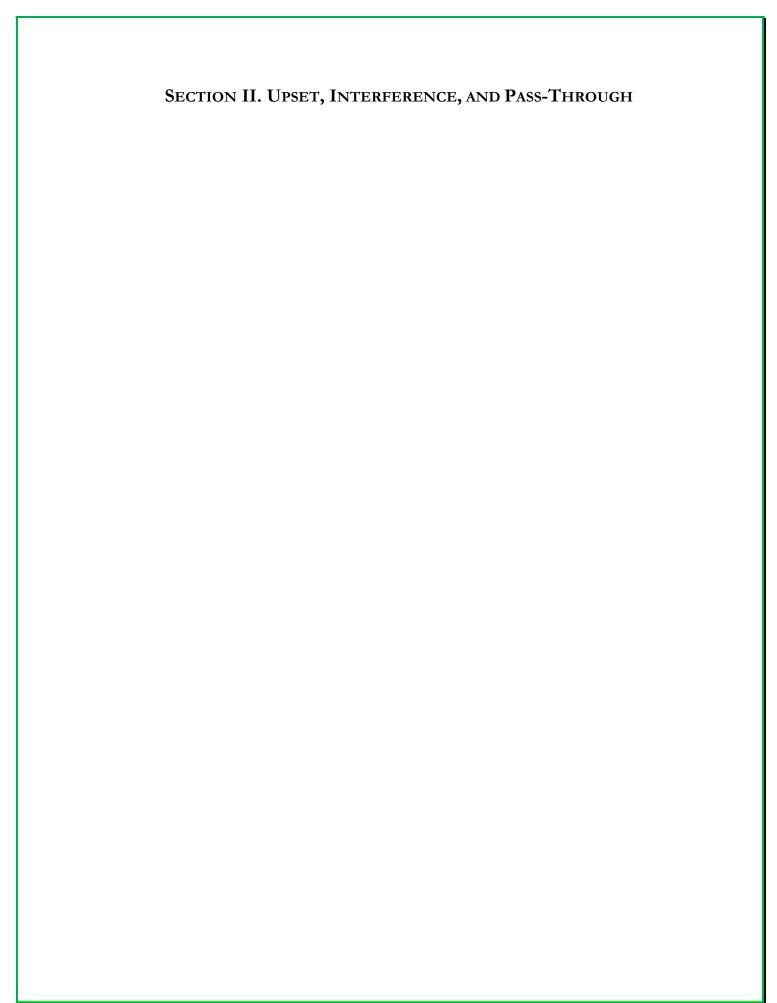
	EFFLUENT
TRACE ORGANIC	CONCENTRATIONS
COMPOUNDS	(pg/L)
Aldrin	ND
chlordane, cis	16.73
chlordane, trans	12.37
chlorpyrifos	15.84
dacthal	ND
DDD, o,p'	ND
DDD, p,p'	4.13
DDE, o,p'	ND
DDE, p,p'	8.70
DDT, o,p'	ND
DDT, p,p'	ND
diazinon	3.56
dieldrin	ND
endosulfan I	26.85
endosulfan II	ND
endosulfan sulfate	ND
endrin	ND
heptachlor	ND
heptachlor epoxide	ND
hexachlorobenzene	ND
methoxychlor	ND
mirex	ND
nonachlor, cis	ND
nonachlor, trans	12.99

oxychlordane	ND
Naphthalene	928.76
Methylnaphthalene, 2-	1,008.10
Methylnaphthalene, 1-	806.34
Dimethylnaphthalene, 2,6-	293.40
Trimethylnaphthalene, 2,3,5-	76.25
Naphthalenes, C1 -	1,989.62
Naphthalenes, C2 -	1,623.02
Naphthalenes, C3 -	1,538.86
Naphthalenes, C4 -	750.11
Biphenyl	297.04
Acenaphthylene	ND
Acenaphthene	376.53
Fluorene	581.13
Methylfluorene, 1-	168.10
Fluorenes, C1 -	562.62
Fluorenes, C2 -	720.00
Fluorenes, C3 -	536.67
Dibenzothiophene	196.00
Dibenzothiophenes, C1 -	482.10
Dibenzothiophenes, C2 -	310.77
Dibenzothiophenes, C3 -	225.41
Phenanthrene	2,007.46
Methylphenanthrene, 1-	123.92
Phenanthrene/Anthracene, C1 -	716.53
Phenanthrene/Anthracene, C2 -	959.36
Phenanthrene/Anthracene, C3 -	469.27
Phenanthrene/Anthracene, C4 -	247.81
Anthracene	157.14
Fluoranthene	856.92
Fluoranthene/Pyrenes, C1 -	404.81

Pyrene	523.21
Benz(a)anthracene	94.01
Chrysene	90.02
Chrysenes, C1 -	75.33
Chrysenes, C2 -	43.08
Chrysenes, C3 -	ND
Benzo(b)fluoranthene	43.31
Benzo(k)fluoranthene	17.06
Benzo(e)pyrene	36.21
Benzo(a)pyrene	30.46
Indeno(1,2,3-c,d)pyrene	ND
Dibenz(a,h)anthracene	ND
Benzo(g,h,i)perylene	ND
8 - PCB	3.71
18	4.09
27	ND
28	4.59
29	17.74
31	4.43
33	ND
44	3.55
49	2.51
52	4.27
56	2.71
60	ND
64	ND
66	ND
70	ND
74	ND
77	ND
87	ND

95	ND
97	ND
99	ND
101	3.16
105	ND
110	3.31
114	ND
118	ND
126	ND
128	ND
137	ND
138	ND
141	ND ND
146	ND
149	ND
151	ND
153	ND
156	ND
157	ND
158	ND
169	ND
170	ND
174	ND
177	ND
180	ND
183	ND
187	ND
189	ND
194	ND
195	ND
198_199	ND

200	ND
201	ND
203	ND
206	ND
209	ND
2,3,7,8-TCDD	3.88E-03
1,2,3,7,8-PeCDD	3.45E-02
1,2,3,4,7,8-HxCDD	6.84E-02
1,2,3,6,7,8-HxCDD	8.60E-02
1,2,3,7,8,9-HxCDD	7.45E-02
1,2,3,4,6,7,8-HpCDD	2.00E-01
OCDD	3.99E-01
2,3,7,8-TCDF	4.17E-03
1,2,3,7,8-PeCDF	5.56E-03
2,3,4,7,8-PeCDF	5.75E-03
1,2,3,4,7,8-HxCDF	1.48E-02
1,2,3,6,7,8-HxCDF	1.41E-02
2,3,4,6,7,8-HxCDF	1.56E-02
1,2,3,7,8,9-HxCDF	1.34E-02
1,2,3,4,6,7,8-HpCDF	2.00E-02
1,2,3,4,7,8,9-HpCDF	0.00E+00
OCDF	1.75E-01



UPSET, INTERFERENCE, AND PASS-THROUGH

The pretreatment program had two broad review exercises where Plant and Program records were evaluated for local limits revision; and specifically for upsets, interferences and pass-through in 2010. These included the Local Limits revision exercise completed in July 2010, and the annual report development, which culminated in this report.

Although there was one (1) incident of TOC removal limit failure in 2010, all the data indicate that this was not an incident of pass-through, interference or upset. No incident of pass-through, interference or upset was documented throughout the calendar year 2010, (please refer to data and report summary in Section I. Analyses of Pollutants Identified in Section 307(a) of the Clean Water Act, Pollutants contributing to Pass-Through).

In addition to the review exercises mentioned above, the pretreatment program was able to evaluate the plant effluent loads of trace organic compounds; and commonly analyzed metals through the plant and into the discharge area. The trace organic loads' analyses were done through the implementation of the integrative sampling devices during the dry season in 2010, and the review of metals analyses in 2010 was performed with the semi-annual effluent data of the same period.

As a result of the implementation of the integrative sampling processes, it has been possible to conclude an update of the Local Limits, and implement an updated listing in 2010. The newer limits are presented in this section following this introduction.

The City is continuing to evaluate professional laboratories with expanded capabilities to develop a clearer evaluation of all the compounds in the State's Ocean Plan's Table B during 2010.

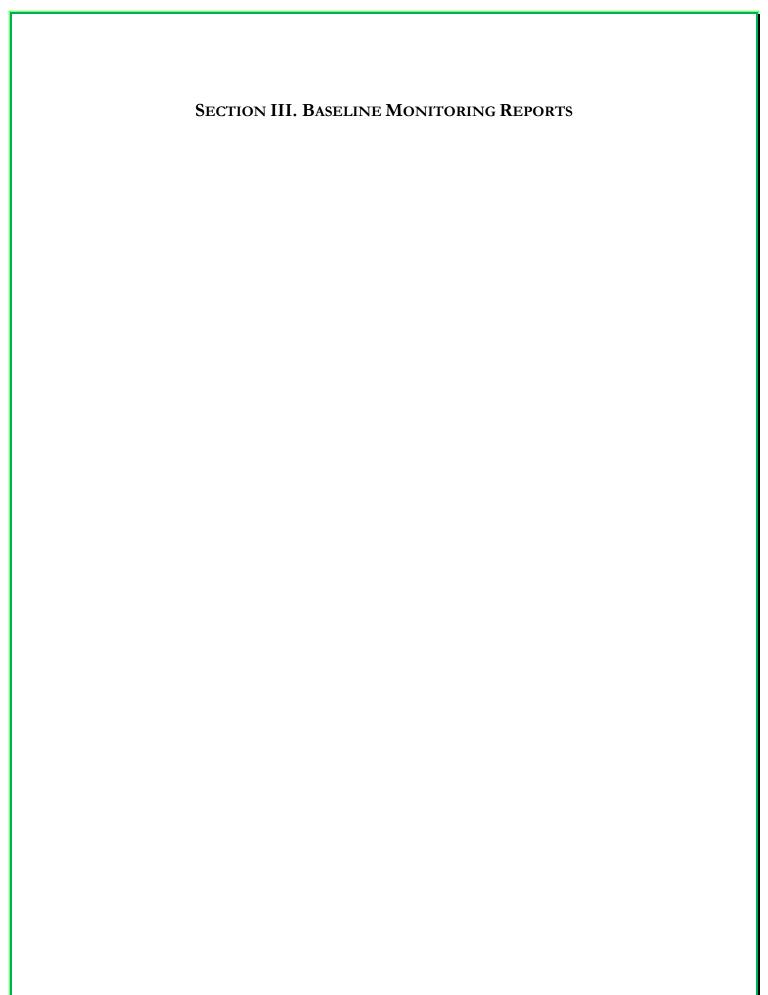
In conclusion, the data indicate that compliance with the WDR and MRP requirements has been good, and no problems are anticipated for 2011

<u>Updated Local Limits Table–2010Trace Organic Compounds Table</u>

Updated Local Limits			
Pollutant	Limit (mg/l)	Governing Factor	
chlordane	1.48479E-05	NPDES Monthly Effluent Limits	
DDT, o,p'	0.011185859	NPDES Monthly Effluent Limits	
dieldrin	9.3839E-05	NPDES Monthly Effluent Limits	
endosulfan I	0.0057246	Chronic water Quality Standards	
endrin	0.0015134	Chronic water Quality Standards	
heptachlor	0.000137081	NPDES Monthly Effluent Limits	
heptachlor epoxide	1.39E-05	NPDES Monthly Effluent Limits	
hexachlorobenzene	23.49999996	Activated Sludge Inhibition	
Naphthalene	2350	Activated Sludge Inhibition	
Phenanthrene/Anthracene, C1 -	2349.999991	Activated Sludge Inhibition	
Anthracene	2422.680408	Activated Sludge Inhibition	
Fluoranthene	123.3749924	NPDES Monthly Effluent Limits	
8 - PCB	0.000138859	NPDES Monthly Effluent Limits	
2,3,7,8-TCDD	2.5326E-09	NPDES Monthly Effluent Limits	

<u>Updated Local Limits – Metals Table</u>

Pollutant	Limit	Governing Factor
	(mg/l)	
Arsenic	0.211242707	Anaerobic Digester Inhibition
Cadmium	1.568452026	Anaerobic Digester Inhibition
Chromium	35.64614286	Anaerobic Digester Inhibition
Hexavalent Chromium	5.264	NPDES Daily Effluent Limits
Copper	2.174054422	Anaerobic Digester Inhibition
Cyanide	0.080227743	Anaerobic Digester Inhibition
Lead	6.039768675	NPDES Daily Effluent Limits
Mercury	0.317630133	NPDES Daily Effluent Limits
Nickel	1.150027211	Anaerobic Digester Inhibition
Selenium	96.28260293	NPDES Daily Effluent Limits
Silver	0.704495238	Anaerobic Digester Inhibition
Zinc	25.22494114	Anaerobic Digester Inhibition
Total Suspended Solids	3000	NPDES Daily Limit



BASELINE MONITORING REPORTS

Industry Baseline Monitoring Reports (BMR) have been reviewed in order to reflect any changes undertaken by permitted industries during the course of 2010.

Changes in status include:

- One IU, City of Santa Cruz Water Department discontinued temporary wastewater discharge from its pilot desalination plant, which was operated under permit through June 2010. The discharge to sewer met the limits and conditions of the permit. The permit has been terminated with the successful completion of the project. The site was closed and treatment equipment was removed as of April 16, 2010.
- One IU, **Cal Clean (Beacon Station #3528)** was issued a temporary wastewater discharge permit for discharging treated water from a groundwater remediation system. The permit is now closed.
- One IU, **Sav-On-Gas** was issued a wastewater discharge permit for discharging treated water from a groundwater remediation system.
- One IU, **Valero**—installed an in-situ oxygen diffusion groundwater treatment remediation system on June 16, 2010. The previously installed groundwater pump and treat remediation system they had in place was dismantled, and they no longer discharge wastewater from the groundwater system into the City's sewer facility.

All Industrial Permit users were current through 2010, and as a result, no new permits were reissued for Industrial Users in 2010.

The following is the current version of the City's Baseline Monitoring Report Form as made available to the public through the City's website at: http://www.cityofsantacruz.com/Modules/ShowDocument.aspx?documentid=6019

CITY OF SANTA CRUZ PRETREATMENT PROGRAM

INSTRUCTIONS FOR BASELINE MONITORING REPORT

Following are instructions for filling out the "Information Requirements for Baseline Monitoring Report" form:

- 1. Briefly describe the nature of business or service performed at this facility. This description should include all manufacturing processes, including those not related to the categorical industry (use additional sheets if necessary).
- 2. Give the production rate of this facility (usually given as an annual average production or monthly average).
- 3. Provide the appropriate Standard Industrial Classification (SIC) code for this facility.
- 4. Self-explanatory.
- 5. Provide average and maximum waste flows from all regulated process streams. If process waste streams are combined either with other process waste streams or non-process (sanitary, cooling water, etc.) waste streams, these individual flow rates should be given.
- 6. Each industrial user will sample, analyze and report on all regulated pollutants specific to each process (refer to appropriate subcategory in regulations for specific pollutants). An attachment should be provided indicating the types of samples (i.e., grab, composite, flow proportioned) the frequency and number of samples; time, date, and locations of the sampling events; and certification that the method of analysis meets the regulatory requirements. The facility must ascertain whether it can meet the 30-day average, calculated average, daily maximum or calculated maximum limit.

All pretreatment standards are process related and a facility must comply with the standard at the end of each regulated process. However, EPA recognizes that many facilities combine their wastewater process lines, cooling water, and sanitary wastes prior to treatment or discharge to municipal sewers. Hence, a facility can sample at a combined point, but will need to adjust the categorical limit by employing the *Combined wastestream formula* which is contained in Section 403.6(e) of the General Pretreatment Regulations (Federal Register January 28, 1981). If this is the case with your facility, you must employ the formula and provide all additional data used for calculations. For further explanation, please refer to 40 CFR 403.6(e).

- 7. If answer was yes, skip Question 8, and go to Question 9.
- 8. An explanation is needed describing how the facility intends to meet Categorical Standards. If additional pretreatment and/or operations and maintenance are required, then an attachment must be provided describing the proposed system and a schedule of dates for commencement and completion of events leading to the construction and operation of the system.
- 9. Any other environmental control permits (i.e., NPDES, hazardous material, etc.) held by this facility must be listed.

INFORMATION REQUIREMENTS FOR BASELINE MONITORING REPORT

Facility Name Owner/Operator Address			
1) Briefly describe the	products produced as	nd manufacturing pro	ocess used in your operation
2) Production Rate:			·
3) SIC Code:			
4) Facility Diagram: At process, including poir			e diagram of all regulated m.
5) Wastewater Flow M Regulated Process (Type)		Daily Maximum (gal/day) or	Estimated (E) Measured (M)
Non-Regulated Process (Type)	Daily Average (gal/day)	Daily Maximum (gal/day) or	Estimated (E) Measured (M)

- 6) Measurement of Pollutants: Attach the most recent results from the sampling and analysis during normal working hours of all regulated process streams including the following information:
- a. Sample Type (i.e., flow proportional, composite, grab)
- b. Frequency of Samples
- c. Time, date, and location of sampling event
- d. Method of analysis
- e. Comparison of results with applicable pretreatment standards
- f. If alternate limits (i.e., combined wastestream formula) are calculated, include the limit and all supporting data

Certification: Are pretreatment standards for your industry being met on a consistent basis by this facility? YES NO If "yes", go on to Question 9. If answer to number 7 is "no", will additional pretreatment and/or operations and maintenance be required for this facility to meet pretreatment standards? YES NO If "no", attach a description of the required pretreatment and/or operations and maintenance to gain compliance, and include schedule of dates for commencement and completion of events leading to the construction and operation of this additional pretreatment. 9) List any other environmental control permits held by this facility: I have personally examined and am familiar with the information submitted on this form and attachments. Based upon my inquiry of those individuals immediately responsible for obtaining the information reported herein, I believe that the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, as dictated by 40 CFR 403.12(m). Signature of Official Date Title of Official

INFORMATION REQUIREMENTS FOR BASELINE MONITORING REPORT

SECTION IV. LIST OF INDUSTRIAL USERS

LIST OF INDUSTRIAL USERS

The following section includes lists of Industrial Users within the reach and purview of the Pretreatment program in 2010.

The list of permitted industrial users includes a breakdown of categorical industrial users, significant industrial users, dry cleaners, and treated groundwater dischargers.

The "Complete Business Listing by Class" includes all users subject to inspection and is organized by type of business.

PART IV. PERMITTED INDUSTRIAL USERS

PART IV. Federal Category Industrial User/ or Noncategorical

Industrial User/ Categorical Federal Standards Local Limits

Name and Address Operation Max. Avg.

Parameter Limit Limit Parameter Limit (mg/l

SIGNIFICAN	T INDUSTRIA	AL USERS				
	Root Popois and	NI / A			РН	5-10
Aquarius Boat	Boat Repair and Maintenance	N/A			TSS	1000
Works	Wiamichanic				BOD	
495 Lake Avenue					O & G	20
					Copper	0.75
					Lead	2.00
					Mercury	0.05
					Sulfide	0.20
					TPH, gas	20.0
					TPH, diesel	20.0
					BTEX	0.25
					MTBE	0.25
					Tributyltin	
Santa Cruz Class III Landfill	Landfill	N/A			All Local Limits EPA Priority	
605 Dimeo Lane					Pollutants	
	Gro	undwater Di	ischarge	rs		
Valero (Soquel)					TPH-g	100.0
Former Beacon	Groundwater	N/A			BTEX	1.0
Service Station #3735	Discharger				MTBE	1.0

Other Permitted Dischargers									
Bay Photo	DI.	27/4			рН	5-10 units			
Bay Photo 2161 Delaware	Photo processor	N/A	A		silver	0.5			
					Flow				

Complete	Business	Listing	by	Class
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<u>CLASS</u>	IU Name	IU Number	<u>Busin</u>	ess Address		<u>STATUS</u>
AUTO BODY		_				
	Advanced Collision Centers	AB0001	122	Hubbard	St.	CLOSE
	Bordner Auto Body	AB0002	130	Center	St.	OPEN
	Canepa Design	AB0013	1191	Water	St.	CLOSE
	Chuck Fanucci Auto Body	AB0004	211	Mcpherson	St.	OPEN
	Collins Auto Body	AB0003	113	Watson	St.	OPEN
	GMP Speed and Machine	AB0017	2119	Delaware	Ave.	OPEN
	La Vars Auto Body	AB0014	105	Bronson	St.	OPEN
	Perrigos	AB0006	251	Washington	St.	OPEN
	Santa Cruz Auto Body Inc.	AB0009	324	River	St.	OPEN
	Scotts Body Shop	AB0011	140	Center	St.	OPEN
	T&T Customs	AB0018	2117	Delaware	Ave.	CLOSE
	Westons Auto	AB0015	1298	Fair	Ave.	OPEN
AUTO DEALER		_				
	North Bay Ford Dealership	AD0001	1999	Soquel	Ave.	OPEN
	Santa Cruz Dodge	AD0006	1616	Soquel	Ave.	OPEN
	Santa Cruz Nissan/Volkswagen	AD0007	1616	Soquel	Ave.	OPEN
AUTO DETAIL		_				
	Santa Cruz Auto Detail Shop	ADT003	1207	Water	St.	CLOSE
AUTO ELECTRIC		_				
	Tims Auto Electric	AE0002	226	Benito	St.	OPEN
CLASS	IU Name	<u>IU Number</u>	<u>Busin</u>	ess Address		<u>STATUS</u>
AUTO PARTS STORES		_				
	Santa Cruz Auto Parts	AP0001	1919	Soquel	Ave.	OPEN

	Reyes Muto Repair	11 11 00 <i>3</i> /	∠1 /	IVICI IICAISOII	St.	OLLIN
	Reyes Auto Repair	AR0049 AR0057	217	McPhearson	St.	OPEN
	Rene's Auto Repair	AR0027 AR0049	501	Soquel	Ave.	OPEN
	Putney and Perry	AR0025 AR0027	325	Front	St. St.	OPEN
	Polar Radiator Service Inc.	AR0047 AR0025	114	Coral	St. St.	OPEN
	Monterey Bay Automotive	AR0034 AR0047	318C	River	St.	OPEN
	Mobile German Auto Works	AR0023 AR0054	1743	Escalona	δι. Dr.	OPEN
AUTO REPAIR	Midas Muffler Shop	AR0023	1218	Ocean	St.	OPEN
<u>CLASS</u>	IU Name	<u>IU Number</u>	Busine	ess Address		STATUS
	Maxwell Tire & Alignment	AR0058	1807	Soquel	Ave.	OPEN
	Marty Mechanic	AR0046	1915	15th	Ave.	OPEN
	Legacy Automotive	AR0021	318	River	St.	OPEN
	Jim Ludy Automotive Maintenance	AR0022	501	Soquel	Ave.	OPEN
	Jiffy Lube, Store # 2334	AR0055	1705	Soquel	Ave.	OPEN
	Hennings Werkstatt Inc.	AR0019	1025	Water	St.	OPEN
	Graniterock-Fleet Maintenance Yard	AR0039	129	Coral	St.	OPEN
	Goodyear Tires & Auto Repair	AR0059	1203	Water	St.	OPEN
	Good Guys Diesel	AR0060	1191	Water	St.	OPEN
	Folks Čafé	AR0043	1823	Soquel	Ave.	OPEN
	Fidelity Automotive	AR0017	916	Soquel	Ave.	OPEN
	Evolution Automotive Repair	AR0056	815	Almar	Ave.	OPEN
	Comprehensive Mechanics	AR0020	115	Mcpherson	St.	OPEN
	Cashs Automotive Service	AR0010	619	River	St.	OPEN
	Big O Tires	AR0050	1025	Water	St.	OPEN
	Advanced Auto	AR0003	1025	Water	St.	OPEN
	Aamco Transmissions	AR0052	1915	Soquel	Ave.	OPEN
AUTO REPAIR	A-1 Mobile Service	AR0042	743	Sanborn	Pl.	OPEN
	THE Z. ZOHE	- AK1011	103	1 aciiic	IIVC.	CLOSE
	Laidlaw Transportation Services The Z Zone	ART010 ART011	117 703	Fern Pacific	St. Ave.	CLOSE CLOSE
	Hertz Local Edition	ART009	130	Center	St.	OPEN
	Enterprise	ART012	919	Ocean	St.	OPEN
	Budget Car and Truck Rental	ART006	919 C	Ocean	St.	CLOSE
	Avis Rent a Car	ART008	630	Ocean	St.	OPEN
	Autoworld Sales and Leasing	ART007	725	Soquel	Ave.	OPEN
	A 1101 1T '	A D/HOOF	705	0 1		ODENI

			1025-			
	RPM Auto Repair	AR0037	C	Water	St.	OPEN
	Rustys Honda and Mazda Repair	AR0029	318	River	St.	OPEN
	Santa Cruz Auto Tech	AR0030	738	Branciforte	Ave.	OPEN
	Santa Cruz Automotive	AR0045	124	Benito	St.	OPEN
	Santa Cruz Import Truck Service	AR0031	132	Benito	Ave.	OPEN
	Santa Cruz Motorsports	AR0008	211	Cedar	St.	OPEN
	Stanford Ave. Garage	AR0041	110	Stanford	Ave.	OPEN
	The Engine Room	AR0015	125	Front	St.	OPEN
	Water Star Motors	AR0033	318 A	River	St.	OPEN
	Wheel Works	AR0040	220	Front	St.	OPEN
	Work Force	AR0035	312	May	Ave.	OPEN
AUTO SALES		_				
	Auto Zone	AS0002	1800	Soquel	Ave.	CLOSE
	Beach Auto Sales/Pacific Avenue Motors	AS0008	512	Pacific	Ave.	OPEN
	Surf City Motors	AS0010	1025	Water	St.	OPEN
AUTO TOWING		_				
	Lifesaver Towing	AT0002	505	River	St.	OPEN
	North County Recovery and Towing Inc.	AT0001	1210	Fair	Ave.	CLOSE
CLASS	<u>IU Name</u>	<u>IU Number</u>	Busin	ess Address		<u>STATUS</u>
AUTO WASH		_				
	Bei Scott Car Wash/Mission	AW0001	2321	Mission	St.	OPEN
	Bei Scott Car Wash/Water	AW0003	827	Water	St.	OPEN
	Whalers Car Wash	AW0002	2001	Soquel	Ave.	OPEN
AUTO-MOTORCYCI	LE SALES	_				
	Cycle Revolution	AM0001	322	Pacific	Ave.	OPEN
	Santa Cruz Harley Davidson Inc	AM0002	1148	Soquel	Ave.	CLOSE
	SC Custom Motorcycles	AM0003	2119	Delaware	Ave.	CLOSE
BAKERY		_				
	Allbright Donut Shoppe	000007	1055	Water	St.	OPEN
	Bagelry on Cedar Street	000011	320	Cedar	St.	OPEN

Bagelry on Seabright Avenue	000012	1636	Seabright	Ave.	OPEN
0,	000019	104	Bronson	St.	OPEN
	000020	2341	Mission	St.	CLOSE
· · · · · · · · · · · · · · · · · · ·	000024	104	Bronson	St.	OPEN
Costco/Bakery Department	000059	220	Sylvania	Ave.	OPEN
, <u>,</u>	000079	1129	Mission	St.	OPEN
Ferrells Donut Shop #1	000086	2227	Mission	St.	OPEN
Ferrells Donut Shop #2	000089	1403	Ocean	St.	OPEN
Gigi's Bakery and Čafé	000291	550	River	St.	OPEN
Hoffmans Bakery	000324	1100	Pacific	Ave.	OPEN
Kellys French Bakery	000349	401	Ingalls	St.	OPEN
Noahs New York Bagel	000148	1411	Pacific	Ave.	OPEN
Pacific Cookie Company	000255	303	Potrero	St.	OPEN
Pacific Cookie Company	000162	1203	Pacific	Ave.	OPEN
The Buttery	000226	702	Soquel	Ave.	OPEN
IU Name	<u>IU Number</u>	<u>Busin</u>	ess Address		<u>STATUS</u>
Monterey Bay Marine Engine Co.	BR0002	555	Brommer	St.	OPEN
Santa Cruz Port District	BW0001	135	Fifth	Ave.	CLOSE
					
Dominican Rehabilitation Services	CON001	610	Frederick	St.	OPEN
Front Street Residential	000094	126	Front	St.	OPEN
New Life Center	000146	707	Fair	St.	OPEN
Almar Cleaners and Shoe Repair I	DC0004	857		Ave.	OPEN
Bariteaus	DC0005	620	Water	St.	OPEN
Classic Cleaners	DC0003	609	Soquel	Ave.	OPEN
Del Mar Cleaners	DC0002	1307	Soquel	Ave.	OPEN
Mission Dry Cleaner	DC0001	1224	Mission	St.	OPEN
Vapor Cleaners	DC0006	285	Water	St.	OPEN
	<u></u>				
	Emilys Good Things To Eat Ferrells Donut Shop #1 Ferrells Donut Shop #2 Gigi's Bakery and Café Hoffmans Bakery Kellys French Bakery Noahs New York Bagel Pacific Cookie Company Pacific Cookie Company The Buttery IU Name Monterey Bay Marine Engine Co. Santa Cruz Port District Dominican Rehabilitation Services Front Street Residential New Life Center Almar Cleaners and Shoe Repair I Bariteaus Classic Cleaners Del Mar Cleaners Mission Dry Cleaner	Beckmans Bakery 000019 Beckmans Old World Bakery 000020 Black China Bakery 000024 Costco/Bakery Department 000059 Emilys Good Things To Eat 000079 Ferrells Donut Shop #1 000086 Ferrells Donut Shop #2 000089 Gigi's Bakery and Café 000291 Hoffmans Bakery 000324 Kellys French Bakery 000349 Noahs New York Bagel 000148 Pacific Cookie Company 000255 Pacific Cookie Company 000162 The Buttery 000226 IU Name IU Number Monterey Bay Marine Engine Co. BR0002 Santa Cruz Port District BW0001 Dominican Rehabilitation Services CON001 Front Street Residential 000094 New Life Center 000146 Almar Cleaners and Shoe Repair I DC0004 Bariteaus DC0005 Classic Cleaners DC0002 Mission Dry Cleaner DC0001	Beckmans Bakery 000019 104 Beckmans Old World Bakery 000020 2341 Black China Bakery 000024 104 Costco/Bakery Department 000059 220 Emilys Good Things To Eat 000079 1129 Ferrells Donut Shop #1 000086 2227 Ferrells Donut Shop #2 000089 1403 Gigi's Bakery and Café 000291 550 Hoffmans Bakery 000324 1100 Kellys French Bakery 000349 401 Noahs New York Bagel 000148 1411 Pacific Cookie Company 000255 303 Pacific Cookie Company 000162 1203 The Buttery 000226 702 IU Name IU Number Busin Monterey Bay Marine Engine Co. BR0002 555 Santa Cruz Port District BW0001 135 Dominican Rehabilitation Services CON001 610 Front Street Residential 00094 126 New Life Center 000146 </td <td>Beckmans Bakery 000019 104 Bronson Beckmans Old World Bakery 000020 2341 Mission Black China Bakery 000024 104 Bronson Costco/Bakery Department 000059 220 Sylvania Emilys Good Things To Eat 000079 1129 Mission Ferrells Donut Shop #1 000086 2227 Mission Ferrells Donut Shop #2 000089 1403 Ocean Gig's Bakery and Café 000291 550 River Hoffmans Bakery 000349 401 Ingalls Noahs New York Bagel 000148 1411 Pacific Pacific Cookie Company 000255 303 Potrero Pacific Cookie Company 000162 1203 Pacific The Buttery 000226 702 Soquel IU Name IU Number Business Address Monterey Bay Marine Engine Co. BR0002 555 Brommer Santa Cruz Port District BW0001 135 Fifth <</td> <td>Beckmans Bakery 000019 104 Bronson St. Beckmans Old World Bakery 000020 2341 Mission St. Black China Bakery 000024 104 Bronson St. Costco/Bakery Department 000059 220 Sylvania Ave. Emilys Good Things To Eat 000079 1129 Mission St. Ferrells Donut Shop #1 000086 2227 Mission St. Ferrells Donut Shop #2 000089 1403 Ocean St. Gig's Bakery and Café 000291 550 River St. Hoffmans Bakery 000349 401 Ingalls St. Kellys French Bakery 000349 401 Ingalls St. Noahs New York Bagel 000148 1411 Pacific Ave. Pacific Cookie Company 000255 303 Potrero St. Pacific Cookie Company 000162 1203 Pacific Ave. IU Name IU Number Business Address</td>	Beckmans Bakery 000019 104 Bronson Beckmans Old World Bakery 000020 2341 Mission Black China Bakery 000024 104 Bronson Costco/Bakery Department 000059 220 Sylvania Emilys Good Things To Eat 000079 1129 Mission Ferrells Donut Shop #1 000086 2227 Mission Ferrells Donut Shop #2 000089 1403 Ocean Gig's Bakery and Café 000291 550 River Hoffmans Bakery 000349 401 Ingalls Noahs New York Bagel 000148 1411 Pacific Pacific Cookie Company 000255 303 Potrero Pacific Cookie Company 000162 1203 Pacific The Buttery 000226 702 Soquel IU Name IU Number Business Address Monterey Bay Marine Engine Co. BR0002 555 Brommer Santa Cruz Port District BW0001 135 Fifth <	Beckmans Bakery 000019 104 Bronson St. Beckmans Old World Bakery 000020 2341 Mission St. Black China Bakery 000024 104 Bronson St. Costco/Bakery Department 000059 220 Sylvania Ave. Emilys Good Things To Eat 000079 1129 Mission St. Ferrells Donut Shop #1 000086 2227 Mission St. Ferrells Donut Shop #2 000089 1403 Ocean St. Gig's Bakery and Café 000291 550 River St. Hoffmans Bakery 000349 401 Ingalls St. Kellys French Bakery 000349 401 Ingalls St. Noahs New York Bagel 000148 1411 Pacific Ave. Pacific Cookie Company 000255 303 Potrero St. Pacific Cookie Company 000162 1203 Pacific Ave. IU Name IU Number Business Address

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FLEET TRANSPO		ET000 7	104	D	C.	ODENI
	Beckman's Bakery (Fleet) Goodwill Industries	FT0007 FT0001	104 350	Bronson Encinal	St.	OPEN OPEN
	Goodwill Industries Graniterock-Concrete Production Yard				St.	OPEN
		FT0002	303	Coral	St.	
	Las Animas Concrete	FT0003	146	Encinal	C.	OPEN
	U.S. Post Office	FT0009	850	Front	St.	OPEN
	United Parcel Service	FT0006	251	Sylvania	Ave.	OPEN
CLASS	IU Name	<u>IU Number</u>	Busin	ess Address		<u>STATUS</u>
FOOD CATER						
	Aunt Netties-Westside	000326	2100	Delaware	Ave.	OPEN
	Russos Commercial Kitchen	000185	216	Fern	St.	OPEN
	Sushi Now	000330	254	Portrero	Ave.	OPEN
FOOD MARKET		<u> </u>				
	Days Market Liquors & Deli	000065	526	Seabright	Ave.	OPEN
	Del Pueblo Market	000067	2118	Soquel	Ave.	OPEN
	Esperanza Market	000083	341	Ocean	St.	OPEN
	La Esperanza Market	000082	1204	Mission	St.	OPEN
	New Leaf Community-Mission St	000433	1101	Fair	Ave.	OPEN
	New Leaf Community-Mission St	000145	2351	Mission	St.	CLOSE
	New Leaf Community-Pacific Avenue	000144	1134	Pacific	Ave.	OPEN
	Quality Market	000177	221	Riverside	Ave.	OPEN
	Safeway Stores on Mission	000173	2111	Mission	St.	OPEN
	Safeway Stores on Morrissey	000187	117	Morrissey	Ave.	OPEN
		000180	622	•		OPEN
	Shoppers Corner/Meat Dept.			Soquel	Ave.	
	Sun Market	000207	220	Liebrandt	Ave.	CLOSE
GAS STATION						
	5th Ave Center Inc.	GAS023		Mission	St.	OPEN
	Arco, Kwik Serve Gas Station	GAS017	1725	Mission	St.	OPEN
	Chevron-Mission Smog Repair	GAS009	823	Mission	St.	CLOSE
	Ocean St Chevron	GAS012	404	Soquel	Ave.	OPEN
	Rod & Ros	GAS014	1024	Water	St.	OPEN
	Rotten Robbie #35	GAS013	1906	Mission	St.	OPEN
	Santa Cruz County Fleet Services	GAS025	691	Ocean	St.	OPEN

	Sav on Gasoline	GAS015	1415	Ocean	St.	OPEN
<u>CLASS</u>	IU Name	IU Number	Business Address			<u>STATUS</u>
GAS STATION						
	Unocal 76	GAS016	904	Mission	St.	OPEN
	Unocal 76, Santa Cruz Gas	GAS019	805	Ocean	St.	OPEN
	Unocal/Harbor 76	GAS001	1505	Soquel	Ave.	OPEN
	Valero Gas - Ocean Street	GAS024	1319	Ocean	St.	OPEN
	Valero Gas and Shop - Mission Street	GAS022	2202	Mission	St.	OPEN
	Valero Gas and Shop - Mission Street	GAS021	2202	Mission	St.	OPEN
	Valero Gas and Shop - Soquel Ave	GAS020	1516	Soquel	Ave.	OPEN
	Valero Gas and Shop former Bobs Beacon Service	GAS007	335	Mission	St.	OPEN
GROUNDWATER						
	CalClean	GW0026	335	Mission	St.	CLOSE
	Conoco Phillips Service Station # 4818	GW0003	1505	Soquel	Ave.	OPEN
	Dominican Hospital	GW0006	610	Frederick	St.	OPEN
	Dominican Hospital	GW0012	610	Frederick	St.	OPEN
	Fins Coffee	GW0018	1104	Ocean	St.	OPEN
	Santa Cruz Industries	GW0004	411	Swift	St.	CLOSE
	Sav On Gas	GW0014	1415	Ocean	St.	OPEN
	Valero California Retail Co.	GW0019	1516	Soquel	Ave.	OPEN
HOTEL		_				
	Best Western All Suites Inn	000381	500	Ocean	St.	OPEN
LABORATORY		_				
	Santa Cruz Biotechnology	NC0006	2161	Delaware	Ave.	OPEN
LAUNDRY	Bei Scott Laundry	 LY0001	815	Soquel	Ave.	OPEN
	Del Scott Laureny		015	ooquei	1110.	OI LIV
CLASS	III NI	III NI 1	D ·	A 1.1		
<u>CLASS</u>	<u>IU Name</u>	IU Number	Busin	ess Address		<u>STATUS</u>

Anatometal Inc.	MF0009	411	T11		
D D W''		411	Ingalls	St.	OPEN
Bonny Doon Winery	WINE01	328	Ingalls	Ave.	OPEN
Dallas Electronics	MF0006	2151	Delaware	Ave.	OPEN
Good Earth Tea's	MF0002	831	Almar	Ave.	OPEN
Johnson Diversey Equipment	MF0004	2841	Mission	St.	OPEN
Santa Cruz Mountain Bikes	MF0010	104	Bronson	St.	OPEN
Shens Gallery	0001MF	2117	Delaware	Ave.	CLOSE
University Business Park (former Wrigley's Building)	MF0008	2801	Mission	St.	OPEN
	_				
Santa Cruz Medical Clinic	Phot05	2025	Soquel	Ave.	OPEN
	-				
Covello and Covello Photography	Phot04	602	Mission	St.	CLOSE
	Phot01	600	Front	St.	CLOSE
Longs Drugs (Mission St)	Phot02	1700	Mission	St.	CLOSE
Rite Aid #5979	Phot06	901	Soquel	Ave.	CLOSE
Walgreen Drug Stores	Phot03	1718	Soquel	Ave.	OPEN
	-				
Santa Cruz County Sentinel	NC0002	207	Church	St.	CLOSE
	-				
City of Santa Cruz Fleet Services	PA0005	1125	River	St.	OPEN
County of Santa Cruz Fleet Services	PA0004	701	Ocean	St.	OPEN
Santa Cruz High School	PA0006	415	Walnut	Ave.	OPEN
Santa Cruz Metro Transit District	PA0001	1200	River	St.	OPEN
Santa Cruz Metro Transit District	PA0002	120	Golf Club	Dr.	OPEN
Santa Cruz Metro Transit District	PA0003	111	Dubois	St.	CLOSE
IU Name	IU Number	<u>Busin</u>	ess Address		<u>STATUS</u>
LE REPAIR	_				
RV Service Center of Santa Cruz	RVR001	2525	Mission	St.	OPEN
	Johnson Diversey Equipment Santa Cruz Mountain Bikes Shens Gallery University Business Park (former Wrigley's Building) Santa Cruz Medical Clinic Covello and Covello Photography Longs Drugs (Front St.) Longs Drugs (Mission St) Rite Aid #5979 Walgreen Drug Stores Santa Cruz County Sentinel City of Santa Cruz Fleet Services County of Santa Cruz Fleet Services Santa Cruz High School Santa Cruz Metro Transit District Santa Cruz Metro Transit District Santa Cruz Metro Transit District IU Name	Johnson Diversey Equipment Santa Cruz Mountain Bikes Shens Gallery University Business Park (former Wrigley's Building) Santa Cruz Medical Clinic Phot05 Covello and Covello Photography Longs Drugs (Front St.) Longs Drugs (Mission St) Rite Aid #5979 Walgreen Drug Stores Phot03 Santa Cruz County Sentinel NC0002 City of Santa Cruz Fleet Services County of Santa Cruz Fleet Services PA0004 Santa Cruz High School Santa Cruz Metro Transit District Santa Cruz Metro Transit District PA0003 IU Name IU Number	Johnson Diversey Equipment Santa Cruz Mountain Bikes Shens Gallery University Business Park (former Wrigley's Building) Santa Cruz Medical Clinic Phot05 Covello and Covello Photography Longs Drugs (Front St.) Longs Drugs (Mission St) Rite Aid #5979 Walgreen Drug Stores Phot03 Phot04 Phot05 Phot05 Phot06 Phot09 Phot	Johnson Diversey Equipment Santa Cruz Mountain Bikes Shens Gallery University Business Park (former Wrigley's Building) Santa Cruz Medical Clinic Phot05 Covello and Covello Photography Longs Drugs (Front St.) Longs Drugs (Mission St) Rite Aid #5979 Walgreen Drug Stores Phot03 Santa Cruz County Sentinel City of Santa Cruz Fleet Services County of Santa Cruz Fleet Services Santa Cruz High School Santa Cruz Metro Transit District PA0001 Santa Cruz Metro Transit District PA0003 IU Name MF0004 Bronto Hot04 602 Mission Phot05 Front Hot06 Phot07 Front Hot06 Phot09 Front Hot06 Phot09 Front Hot06 Phot09 Front Hot06 Phot03 Front Hot06 Phot07 Front Hot06 Phot07 Front Hot06 Phot07 Front Hot07 Front Hot08 Front Hot09 Front Ho	Johnson Diversey Equipment Santa Cruz Mountain Bikes Shens Gallery University Business Park (former Wrigley's Building) Santa Cruz Medical Clinic Phot05 Santa Cruz Medical Clinic Phot05 Soquel Ave. Covello and Covello Photography Longs Drugs (Mission St) Rite Aid #5979 Walgreen Drug Stores Phot03 Santa Cruz County Sentinel Phot03 St. City of Santa Cruz Fleet Services County of Santa Cruz Fleet Services Santa Cruz High School Santa Cruz Metro Transit District PA0002 Description Phot04 Resource Phot05 Description Phot05 Description Phot06 Phot07 Phot09 Phot0

RESTAURANT						
	515 Kitchen & Cocktails	000474	515	Cedar	St	OPEN
	A slice of Kianti's	000451	46	Front	St	OPEN
	Acapulco Restaurant	000001	1116	Pacific	Ave.	OPEN
	Aldos Restaurant	000006	616	Atlantic	Ave.	OPEN
	Aqua Blu	000400	1108	Pacific	Ave.	OPEN
	Asana Teas	000436	103	Lincoln	St.	OPEN
	Bad Ass Coffee	000415	1207	Pacific	Ave.	CLOSE
	Barosa Grill	000351	515	Cedar	St.	CLOSE
	Batik Café	000422	1209	Soquel	Ave.	CLOSE
	Batish House	000015	1310	Mission	St.	OPEN
	Beach Street Café	000017	399	Beach	St.	OPEN
	Benten Restaurant	000021	1547	Pacific	Ave.	OPEN
	Betty's Burgers	000423	505	Seabright	Ave.	OPEN
	Black China Bakery Café	000375	1121	Soquel	Ave.	OPEN
	Boardwalk/Barbary Coast	000026	400	Beach	St.	OPEN
	Boardwalk/Barnacle Bills	000027	400	Beach	St.	OPEN
	Boardwalk/Beach Deck	000028	400	Beach	St.	OPEN
	Boardwalk/Burgers	000029	400	Beach	St.	OPEN
	Boardwalk/Coasters Bar-Grill	000359	400	Beach	St.	OPEN
	Boardwalk/Coconut Grove	000030	400	Beach	St.	OPEN
	Boardwalk/Dipper Diner	000031	400	Beach	St.	OPEN
	Boardwalk/Fish & Fry	000032	400	Beach	St.	OPEN
	Boardwalk/Fishermans Galley	000033	400	Beach	St.	OPEN
	Boardwalk/Funnel Cakes	000034	400	Beach	St.	OPEN
	Boardwalk/Gyros	000035	400	Beach	St.	OPEN
	Boardwalk/Handout	000036	400	Beach	St.	OPEN
	Boardwalk/Hodgies	000037	400	Beach	St.	OPEN
	Boardwalk/Hot Dog/Chicken	000038	400	Beach	St.	OPEN
	Boardwalk/Pizza Hut/Taqueria	000039	400	Beach	St.	OPEN
	Boardwalk-Surf City Grill	000394	400	Beach	St.	OPEN
<u>CLASS</u>	IU Name	IU Number	<u>Busin</u>	ess Address		STATUS
RESTAURANT						
	Boccis Cellar	000040	140	Encinal	St.	OPEN
	Bonny Doon Vineyard Tasting Room	000429	334	Ingalls	St.	OPEN
	Borders Café	000289	1200	Pacific	Ave.	OPEN
	Buffalo Bill	000354	107	Leonard	St.	OPEN
	Burger King on Mission Street	000041	2015	Mission	St.	OPEN
	0 0		-		-	

	Burger King on Soquel Avenue	000042	1302	Soquel	Ave.	OPEN
	Café Brazil	000045	1410	Mission	St.	OPEN
	Café El Palomar	000391	2222	East Cliff	Dr.	OPEN
	Cafe La Vie	000404	429	Front	St.	CLOSE
	Café Limelight	000288	1016	Cedar	St.	OPEN
	Café Mare	000335	740	Front	St.	OPEN
	Callahans	000047	507	Water	St.	OPEN
	Casa Blanca	000048	101	Main	St.	OPEN
	Catalyst	000049	1011	Pacific	Ave.	OPEN
	Center Street Grill	000408	1001	Center	St.	OPEN
	Cereality Cereal Bar and Café	000425	1315	Pacific	Ave.	CLOSE
	Charlie Hong Kong Noodles	000193	1141	Soquel	Ave.	OPEN
	Chill Out Café	000325	1222	Soquel	Ave.	OPEN
	China Szechwan Restaurant	000053	221	Cathcart	St.	CLOSE
	Chocolate	000096	1522	Pacific	Ave.	OPEN
	Civic Center/Santa Cruz	000054	307	Church	St.	OPEN
	Clouds Downtown	000055	110	Church	St.	OPEN
	Coffeetopia	000290	1723	Mission	St.	OPEN
	Coldstone Creamery	000380	1129	Pacific	Ave.	OPEN
	Costa Brava on Pacific Avenue	000058	1222	Pacific	Ave.	CLOSE
	Costa Brava River St.	000338	420	River	St.	CLOSE
	Costco/Deli Department	000060	220	Sylvania	Ave.	OPEN
	County Cafeteria	000061	701	Ocean	St.	OPEN
	County Jail/Foodservices	000062	259	Water	St.	OPEN
	Crepe Place	000063	1134	Soquel	Ave.	OPEN
	Crow's Nest	000361	2218	East Cliff	Dr.	OPEN
CLASS	IU Name	<u>IU Number</u>	Busin	ess Address		<u>STATUS</u>
RESTAURANT	M. C	000475	1200	D. 'C	Λ	ODENI
	Motiv	000475	1209	Pacific	Ave	OPEN
	Pacific Blue Inn	000487	636	Pacific	Ave	OPEN
	Surf City Billiards & Café	000479	931	Pacific	Ave	OPEN
	Woodie"s Café	000458	1007	Municipal Wh		OPEN
	Joe's Pizza & Sub	000465	1207	Pacific	Ave	OPEN
	China Express/Metro Center	000466	920	Pacific	Ave	OPEN
	Java Bobs/Froyo	000471	1010	Pacific	Ave	OPEN
	Eric's Deli Café	000473	155	Walnut	Ave	OPEN

I Love Sushi	000478	516	Front	St	OPEN
India Joze	000478	418	Front	St	OPEN
Farmhouse Culture	000483	303	Potrero # 01A	St	OPEN
Laili Restaurant	000469	101B	Cooper	St	OPEN
El Rio Market Taqueria	000492	220	Liebrandt	Ave	OPEN
Firefly Café	000492	131	Front, Suite A	St	OPEN
Hula's Island Grill	000453	221	Cathcart	St	OPEN
Oswald's	000455	121	Soquel	Ave	OPEN
The Penny Ice Creamery	000455	913	Cedar	St	OPEN
Sitar Indian Cuisine	000464	1133	Pacific	Ave	OPEN
Café Delmarette	000461	1126	Pacific	Ave	OPEN
Cypress Lounge	000112	120	Union	St.	OPEN
De La Hacienda	000480	354	Washington	St. St	OPEN
De La Veaga Golf Course/Restaurant	000066	401	Upper Park	Rd.	OPEN
DeLaveaga Elementary School	000310	1145	Morrissey	Blvd.	OPEN
Dennys Restaurant	000068	1515	Ocean	St.	OPEN
Dominican Hospital	000259	610	Frederick	St.	OPEN
Dominoes Pizza	000071	2391	Mission	St.	OPEN
Donnelly Fine Chocolates	000177	1509	Mission	St.	OPEN
Dream Inn	000430	175	West Cliff	Dr.	OPEN
Drunk Monkeys	000428	415	Seabright	Ave.	CLOSE
El Paisano Tamales	000074	609	Beach	St.	OPEN
El Palomar	000075	1336	Pacific	Ave.	OPEN
El Pollo Loco	000426	712	Front	St.	CLOSE
Elks Lodge No. 824	000078	150	Jewell	St.	OPEN
Elm Street Mission	000322	117	Elm	St.	OPEN
Engfer Pizza Works	000306	537	Seabright	Ave.	OPEN
Falafel House	000085	113	Walnut	St.	OPEN
Falafel Hut	000087	309	Beach	St.	OPEN
Falafel Of Santa Cruz	000088	1510	Mission	St.	OPEN
Feel Good Foods, Kitchen	000388	306	Protrero	St.	OPEN
Foster Freeze East S.C. on Soquel Avenue	000092	1836	Soquel	Ave.	CLOSE
Foster Freeze on Laurel Street	000091	229	Laurel	St.	OPEN
		504-			
Fresh Prep Kitchens	000401	Α	Front	St.	OPEN
Gabriella Café	000095	910	Cedar	St.	OPEN
Gelatomania	000374	110	Cooper	St.	CLOSE
Gilberts Firefish Grill	000457		Municipal Whar	f	OPEN
			-		

Golden City 000320 1230 Mission St. Greek Orthodox Church 000373 223 Church St. Hacienda Taqueria 000355 303 Beach St.	OPEN OPEN
Tacicina Taguciia (000)	OPEN
Harbor High School 000311 300 La Fonda Ave.	OPEN
Harvey West Clubhouse 000099 325 Evergreen St.	OPEN
Hernandez Market 000345 354 Washington St.	OPEN
<u>CLASS</u> <u>IU Name</u> <u>Business Address</u>	<u>STATUS</u>
RESTAURANT	
Hindquarter Bar & Grill 000101 303 Soquel Ave.	OPEN
Homeless Community Resource Center 000360 115 Coral St.	OPEN
Ideal Bar & Grill 000105 106 Beach St.	OPEN
Jack In The Box 000108 640 Ocean St.	OPEN
Jacks Hamburgers 000109 202 Lincoln St.	OPEN
Jalapenos Taqueria on Laurel Street 000110 206 Laurel St.	OPEN
Jalapenos Taqueria on Soquel Avenue 000111 1201 Soquel Ave.	CLOSE
Jamba Juice 000278 1550 Pacific Ave.	OPEN
Java Junction 000113 519 Seabright Ave.	OPEN
Java Junction River St 000339 580 River St.	OPEN
Jefferys Restaurant 000114 2050 Soquel Ave.	OPEN
Joes Pizza & Subs 000115 841 Branciforte Ave.	OPEN
Johnny's Harborside 000389 493 Lake Ave.	OPEN
Jumpin Juice Java 000396 1010 Pacific Ave.	CLOSE
Jumping Monkey Cafe 000395 418 Front St.	CLOSE
Kelly's French Pastry 000344 401 Ingals St.	OPEN
Kentucky Fried Chicken on Branciforte 000120 841 Branciforte Ave.	CLOSE
Kentucky Fried Chicken on Mission 000119 1618 Mission St.	OPEN
Khyber Pass 000031 810 Pacific Ave.	OPEN
Kiantis Pizza and Pasta 000382 1100 Pacific Ave.	OPEN
King Chwan 000121 415 Ocean St.	OPEN
Kuumbwa Jazz Center 000122 320 Cedar St.	OPEN
L-8 Buffet 000363 431 Front St.	CLOSE
La Barrenada 000357 313 Beach St.	OPEN
La Mission Restaurant 000123 1719 Mission St.	OPEN
La Posada 000124 609 Frederick St.	OPEN
La Posta 000416 538 Seabright Ave.	OPEN
Las Palmas Taco Bar 000125 55 Front St.	OPEN
Lilian's Italian Kitchen 000418 1116 Soquel Ave.	OPEN

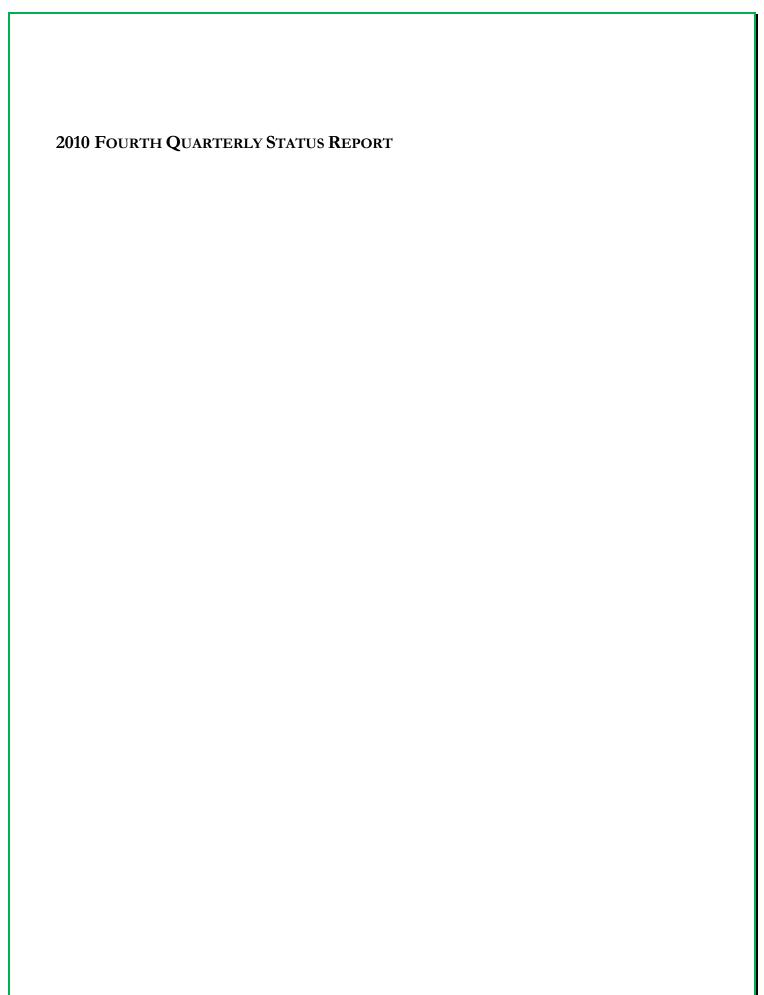
	Lindas Seabreeze Café	000127	542	Seabright	Ave.	OPEN
<u>CLASS</u>	IU Name	IU Number	<u>Busin</u>	ess Address		<u>STATUS</u>
	Little Ceasers Pizza	000366	233	Ocean	St.	OPEN
	Little Shanghai Restaurant	000128	1010	Cedar	St.	OPEN
	Los Pinos	000120	2019	Pacific	Ave.	OPEN
	Louden Nelson Center	000120	301	Center	St.	OPEN
	Lulu Carpenters	000084	1545	Pacific	Ave.	OPEN
	Lulu's at the Octagon	000419	118	Cooper	St.	OPEN
	Mackenzies Kandy Kitchen	000132	1492	Soquel	Ave.	OPEN
	Mangiamo Pizza	000440	845	Almar	Ave.	OPEN
	Mariannes Ice Cream	000136	1220	Ocean	St.	OPEN
	Mariannes-Westside Production	000327	2100	Delaware	#D	OPEN
	Marinis Downtown	000137	1308	Pacific	Ave.	OPEN
	May's Sushi Restaurant	000417	1800	Soquel	Ave.	OPEN
	McDonalds Ocean	000139	1210	Ocean	St.	OPEN
	McDonalds, Mission	000252	1421	Mission	St.	OPEN
	Mei Garden	000140	533	Ocean	St.	OPEN
	Metro-Downtown	000329	920	Pacific	Ave.	OPEN
	Mission Hill Junior High Kitchen	000399	425	King	St.	OPEN
	Mobo Sushi & The Moon	000142	105	River	St.	OPEN
	Ninety Nine Bottles	000147	110	Walnut	Ave.	OPEN
	Ocean City Buffet	000435	431	Front	St.	OPEN
	Omei Sichuan Restaurant	000149	2316	Mission	St.	OPEN
	Pacific Avenue Pizza	000153	1415	Pacific	Ave.	OPEN
	Pacific Cultural Center	000154	1307	Seabright	Ave.	OPEN
	Pacific Thai	000378	1319	Pacific	Ave.	OPEN
	Papa Murphys	000286	1820	Mission	St.	CLOSE
	Peach Garden	000013	1733	Seabright	Ave.	OPEN
	Pergolesis	000158	418	Cedar	St.	OPEN
	Petes Coffee & Tea	000159	1409	Pacific	Ave.	OPEN
	Parish Publick House	000443	841	Almar	Ave.	OPEN
	Pearl of the Ocean	000447	736	Water	St.	OPEN
	Phoenix Restaurant	000434	2301	Mission	St.	OPEN
CLASS	<u>IU Name</u>	IU Number	<u>Busin</u>	ess Address		STATUS

RESTAURANT						_
	Pizza My Heart	000164	1116	Pacific	Ave.	OPEN
	Planet Fresh Burritos	000165	1003	Cedar	St.	OPEN
	Plantronics	000412	345	Encinal	St.	OPEN
	Poet & Patriot Irish Pub	000166	320	Cedar	St.	OPEN
	Polar Bear Ice Cream	000167	389	Coral	St.	OPEN
	Portuguese Hall	000171	716	Evergreen	St.	OPEN
	Quiznos Sub	000383	1010	Pacific	Ave.	OPEN
	R & R Burgers & Grill	000424	1024	Water	St.	CLOSE
	Real Thai Kitchen	000175	1632	Seabright	Ave.	OPEN
	Red Restaurant and Bar	000410	1003	Cedar	St.	OPEN
	Ristorante Avanti	000178	1711	Mission	St.	OPEN
	Ristorante Italiano	000179	555	Soquel	Ave.	OPEN
	River Café and Cheese Shop	000376	415	River	St.	OPEN
	River Street Shelter	000104	115	Coral	St.	OPEN
	Rosie McCanns Irish Pub	000182	1220	Pacific	Ave.	OPEN
	Royal Taj Indian Cuisine	000184	270	Soquel	Ave.	OPEN
	Sabieng Thai House	000295	1218	Mission	St.	OPEN
	Samba Rock Cafe	000432	291	Water	St.	OPEN
	Santa Cruz Bible Church	000188	440	Frederick	St.	OPEN
	Santa Cruz Coffee Roasting Co.	000191	1330	Pacific	Ave.	OPEN
	Santa Cruz Diner	000292	909	Ocean	St.	OPEN
	Santa Cruz Metro Center	000197	920	Pacific	Ave.	OPEN
	Sa-Tarng	000334	2238	Mission	St.	CLOSE
	Saturn Café	000285	145	Laurel	St.	OPEN
	Seabright Brewery	000195	519	Seabright	Ave.	OPEN
	Shogun Restaurant	000287	1123	Pacific	Ave.	OPEN
	Soif	000353	105	Walnut	Ave.	OPEN
	Sri	000371	736	Water	St.	CLOSE
	St Francis Kitchen	000200	205	Mora	St.	OPEN
	Staff Of Life	000201	1305	Water	St.	OPEN
	Stagnaro Bros. Seafood	000202	320	Washington	St.	OPEN
<u>CLASS</u>	IU Name	IU Number		ess Address		STATUS
RESTAURANT						
	Starbucks Coffee	000279	1335	Pacific	Ave.	OPEN
	Storr's Winery	000308	303	Potrero	St.	OPEN
	Subway Sandwiches	000205	825	Pacific	Ave.	OPEN
	Subway Sandwiches	000204	2215	Mission	St.	OPEN
	Sunshine Villa	000208	80	Front	St.	OPEN
		~				•

	Surfrider Cafe	000445	429	Front	St.	OPEN
	Sushi Totoro	000407	1701	Mission	St.	OPEN
	Sweet Spot	000411	827	Water	St.	OPEN
	Taco Bell	000213	802	Pacific	Ave.	OPEN
	Taco Bell 3175 on Soquel Avenue	000215	1404	Soquel	Ave.	OPEN
	Taco Bell on Mission Street	000214	1405	Mission	St.	OPEN
	Tacos Morenos on Water Street	000216	1053	Water	St.	OPEN
	Tampico Kitchen	000221	822	Pacific	Ave.	OPEN
	Tams Chinese Restaurant	000219	2403	Mission	St.	OPEN
	Taqueria Agave	000439	1836	Soquel	Ave.	OPEN
	Taqueria Apatzingan	000387	303	Beach	St.	OPEN
	Taqueria Cancun	000256	528	Seabright	Ave.	OPEN
	Taqueria El Dandy	000367	920	Pacific	Ave.	OPEN
	Taqueria La Cabana	000347	2332	Mission	St.	OPEN
	Taqueria Los Pericos	000409	139	Water	St.	OPEN
	Taqueria Santa Cruz on Mission Street	000222	2215	Mission	St.	OPEN
	Taqueria Santa Cruz Two on Soquel Avenue	000223	1002	Soquel	Ave.	OPEN
	Taqueria Tropical	000377	325	Barson	St.	OPEN
	Taqueria Vallarta	000224	608	Soquel	Ave.	OPEN
	Taqueria Vallarta	000364	1101	Pacific	Ave.	OPEN
	Taqueria Vallarta-Mission	000437	1221	Mission	St.	OPEN
	Thai House	000225	353	Soquel	Ave.	OPEN
			2106			
	Thai Noodle House	000397	Α	Mission	St.	OPEN
	Thai Orchid	000348	2238	Mission	St.	OPEN
	The Greek	000444	435	Front	St.	OPEN
	The Kind Grind	000392	2222	East Cliff	Dr.	OPEN
<u>CLASS</u>	IU Name	<u>IU Number</u>	<u>Busin</u>	ess Address		<u>STATUS</u>
RESTAURANT						
	Togos Eatery Ocean Street	000282	902	Ocean	St.	OPEN
	Tony & Albas Pizza	000229	817	Soquel	Ave.	OPEN
	Top a Lot Yogurt	000427	738	Water	St.	OPEN
	UCSC - 2300 Delaware (former TI building)	NC0007	2300	Delaware	Ave.	OPEN
	UCSC Inn and Conference Center	000350	611	Ocean	St.	OPEN
	Upper Crust Pizza	000230	2415	Mission	St.	OPEN
	Vasilis	000231	1501	Mission	St.	OPEN
	Veterans Memorial Building	000232	846	Front	St.	CLOSE
	Viva's Organic Mexican Food	000446	1201	Soquel	Ave.	OPEN
	Walnut Avenue Café	000233	106	Walnut	Ave.	OPEN

	Westside Coffee Company	000237	849	Almar	Ave.	OPEN
	Wharf/ Andys End of the Wharf	000300	71	Municipal Wha		OPEN
	Wharf/Carniglias	000238		Municipal Wha		OPEN
	Wharf/Dolphin Restaurant	000239		Municipal Wha		OPEN
	Wharf/Gilberts Seafood Grill	000240	460	Municipal Wha		OPEN
	Wharf/Gildas Family Restaurant	000241	494	Municipal Wha		OPEN
	Wharf/Marinis Munchies	000242		Municipal Wha		OPEN
	Wharf/Miramar	000243		Municipal Wha		OPEN
	Wharf/Olitas Cantina & Grill	000384	650	Municipal Wha		OPEN
	Wharf/Riva Fish House	000245		Municipal Wha		OPEN
	Wharf/Seacloud Restaurant	000246	650	Municipal Wha		CLOSE
	Wharf/Stagnaro Bros. Seafood	000247		Municipal Wha		OPEN
	Whole Foods Market	000438	911	Soquel	Ave.	OPEN
	Wired Wash Café	000356	135	Laurel	St.	CLOSE
	Woodstock's Pizza	000421	710	Front	St.	OPEN
	Yan Flower	000414	617	Pacific	Ave.	OPEN
	Yogurt Delite	000244	1306	Mission	St.	OPEN
	Zacharys Restaurant	000248	819	Pacific	Ave.	OPEN
	Zoccolis Delicatessen	000250	1534	Pacific	Ave.	OPEN
CLASS	<u>IU Name</u>	IU Number	Busin	ess Address		<u>STATUS</u>
CLASS SIG CATEGORICAL	IU Name	<u>IU Number</u>	Busin	ess Address		<u>STATUS</u>
	IU Name Persys Engineering	IU Number CAT004	Busin 815	ess Address Swift	St.	<u>STATUS</u> OPEN
					St.	
SIG CATEGORICAL SIG INDUSTRIAL					St.	
SIG CATEGORICAL SIG INDUSTRIAL USER	Persys Engineering City of Santa Cruz Water Treatment Plant	CAT004	815	Swift		OPEN
SIG CATEGORICAL SIG INDUSTRIAL USER	Persys Engineering City of Santa Cruz Water Treatment Plant	CAT004	815	Swift		OPEN
SIG CATEGORICAL SIG INDUSTRIAL USER	Persys Engineering City of Santa Cruz Water Treatment Plant	CAT004SIU002	815 715	Swift Graham Hill	Rd.	OPEN
SIG CATEGORICAL SIG INDUSTRIAL USER	Persys Engineering City of Santa Cruz Water Treatment Plant CAL Aquarius Boat Works	CAT004 SIU002 BR0004	815 715 495	Swift Graham Hill Lake	Rd.	OPEN OPEN
SIG CATEGORICAL SIG INDUSTRIAL	Persys Engineering City of Santa Cruz Water Treatment Plant CAL Aquarius Boat Works Bay Photo, Inc.	CAT004 SIU002 BR0004 NC0008	815 715 495 2161	Swift Graham Hill Lake Delaware	Rd. Ave. Ave.	OPEN OPEN OPEN

TENTOOD ADV DED WIT						
TEMPORARY PERMIT	City of Santa Cruz Water Department Pilot Desal Plant	NC008	809	Center	St.	CLOSE
WASTE HAULER						
	49er Rooter and Drain Service	S0709	774	Delta Way		OPEN
	A-1 Septic Service	S0710	10	Flora	Ln.	OPEN
	Allard's Septic Service	S0702	12968	HWY 9		OPEN
				E. Vine		
	Ameriguard Maintenance Services	S0601	4681	Avenue		OPEN
	Art Edsberg Drilling & Sanitation	S0705	613	Lakeview	Rd.	CLOSE
	California Department of Parks and Rec	S0811	303	Big Trees Park	Rd.	OPEN
	Coastal Septic	S0704	5460	McKinley Way		OPEN
	D & G Sanitation	S0706	116	Grove	St.	CLOSE
			1128-			
	Greenline Liquid Waste Hauler	S0703	Α	Madison	Ln.	OPEN
	Jeff Hill & Sons Excavation	S0711	485	Marion	Ave.	OPEN
	J-J Septic	S0708	80	Airport	Blvd.	CLOSE
	Mr Pumper Septic and Drain	S0812	676	West	Dr.	OPEN
	Pete's Outflow Technicians	S0707	3146	Valencia	Rd.	OPEN
	The Honey Bucket Man	S0810	6116	HWY 9		OPEN
	Tom's Septic Construction	S0602	13570	Blackie	Rd.	OPEN



2010 FOURTH C	DUARTERLY STATUS REPORT

The following section includes significant program activities completed during the fourth quarter of 2010, including the compliance table and narrative summary of industrial users in violation of applicable pretreatment standards in the fourth quarter of 2010.

During the fourth quarter of 2010, the City updated the Local Limits based upon monitoring information developed over the preceding five years, and specifically informed about the changes in the industrial users composition of the City.

The updated Local Limits have been presented in two tables earlier in the annual report. A copy of the updated Sewer Use Ordinance now follows on the next five (5) pages:

ORDINANCE NO. 2010-20

AN ORDINANCE OF THE CITY OF SANTA CRUZ AMENDING SECTION 16.08.110 OF THE SANTA CRUZ MUNICIPAL CODE PERTAINING TO WASTEWATER DISCHARGES INTO THE CITY SEWER SYSTEM

BE IT ORDAINED By The City Of Santa Cruz As Follows:

Section 1: Section 16.08.110 of the Santa Cruz Municipal Code is hereby amended to read as follows:

16.08.110 PROHIBITIONS AND LIMITATIONS ON WASTEWATER DISCHARGES.

- (a) General Prohibitions on Wastewater Discharges. No person shall introduce, discharge, convey, or permit or allow to be discharged or conveyed, to a public sewer any wastewater containing pollutants of such character or quantity that will:
- (1) Interfere with the process or efficiency of the wastewater treatment system or not be susceptible to treatment.
- (2) Constitute a slug loading.
- (3) Cause a pass through or interference to occur at the POTW, either alone or in combination with a discharge(s) from other sources.
- (4) Be at a discharge flow rate that would exceed the carrying capacity of the sanitary sewer.
- (5) Violate state or federal pretreatment standards.
- (6) Inhibits the processing, use, or disposal of sludge.
- (7) Violate any of the provisions of this chapter.
- (b) Specific Prohibitions on Wastewater Discharges. No person shall discharge or cause or allow to be discharged into POTW any wastewater which contains the following:
- (1) Flammables and Explosives.
- (A) Explosive mixtures, liquids, solids, or gases that are or may be sufficient, either alone or by interaction with other substances, to cause fire or explosion or be injurious in any other way to any persons, the wastewater treatment system or to the operation of the system. At no time shall two successive readings on an explosion hazard meter, at the point of discharge into the sewer system, be more than five percent nor any single reading over ten percent of the lower explosive limit (LEL) of the meter. When calibrating explosion hazard meters, the meter shall be calibrated using a representative standard of the combustibles expected to be present in the wastewater discharge. If a methane standard is used, the meter alarm shall be set at the lowest LEL for those combustibles expected to be present in the wastewater discharge.
- (B) Pollutants which create a fire or explosion hazard in the POTW including, but not limited to, waste streams with a closed cup flash point of less than 60°C or 140°F using test methods specified in 40 CFR 261.21.

- (2) Corrosive Wastes. Pollutants that cause corrosive structural damage to the POTW, but in no case discharges with a pH less than 5.0
- (3) Solid or Viscous Pollutants. Solid or viscous pollutants in amounts which may cause obstruction to the flow in the POTW or interfere with the proper operation of the wastewater treatment system.
- (4) Flow Rate and/or Pollutant Concentration. Any pollutant, including oxygen-demanding pollutants (BOD, TOC, etc.), released in a discharge at a flow rate and/or pollutant concentration which will cause interference with the POTW.
- (5) Temperature. Heat in amounts that will inhibit biological activity in the POTW resulting in interference, but in no case heat in such quantities that the temperature at the POTW exceeds 40°C (104°F).
- (6) Oil and Grease. Petroleum oil, cutting oil, or products of mineral oil origin in amounts that will cause interference or pass-through.
- (7) Gases, Vapors, Fumes. Pollutants which result in the presence of toxic gases, vapors, or fumes within the POTW in a quantity that may cause acute worker health and safety problems.
- (8) Transported Pollutants. Any trucked or hauled pollutants, except at discharge points designated by the POTW.
- (9) Noxious Materials. Noxious or malodorous solids, liquids or gases, which, whether singly or by interaction with other wastes, are capable of creating an odor nuisance or hazard to life, or are sufficient to prevent entry into a sewer for its maintenance and repair.
- (10) Toxic Substances. Any toxic substances in amounts exceeding standards promulgated by the Administrator of the United States Environmental Protection Agency pursuant to Section 307(a) of the Clean Water Act. Also included are any chemical elements or compounds, or other taste or odor producing substances, or any other substances which are not susceptible to treatment or which may interfere with the biological processes or efficiency of the wastewater treatment system, or that will pass through the POTW, or that will accumulate to toxic levels in marine waters, sediments or biota.
- (11) Radioactive Wastes. Except as allowed in this chapter, no user shall discharge or permit to be discharged any radioactive waste into the public sewer.
- (12) Waste Radiator Coolant. Waste radiator coolant or any radiator flushing wastewater generated from auto, truck, or equipment maintenance.
- (13) Discolored Material. Wastes with objectionable color not removable by the wastewater treatment system, which cause discoloration of the POTW effluent such that receiving water quality requirements established by law cannot be met.
- (14) Engine and Vehicle Parts Cleaning Wastes. Wastewater or other wastes from the cleaning of engines, undercarriages or vehicle parts. Such wastes must be either recycled in a closed-loop recycling system or hauled off-site for proper disposal.
- (15) Hazardous Waste. Hazardous waste as defined by the California Code of Regulations (CCR) at 22 CCR 66261.3.

(c) Specific Limitations on Wastewater Discharges. The following are the maximum concentrations of pollutants allowable in wastewater discharges to the wastewater treatment system, unless state or federal limits are lower in which case those limits shall control. Dilution of any wastewater discharge for the purpose of satisfying these pretreatment standards or any applicable pretreatment standards shall be considered a violation of this chapter and is prohibited.

Grab samples must be used for pH, cyanide, oil and grease, sulfide, and volatile organic compounds. Composite samples for 24 hours or other time period approved by the director are required for all other parameters, using flow-proportional techniques where feasible.

Pollutant	Concentration
Arsenic	0.21 mg/l
Cadmium	1.57 mg/l
Chromium, total	35.65 mg/l
Chromium, hexavalent	5.26 mg/l
Copper	2.17 mg/l
Cyanide	0.08 mg/l
Lead	6.04 mg/l
Mercury	0.32 mg/l
Nickel	1.15 mg/l
Selenium	96.28 mg/l
Silver	0.71 mg/1
Sulfide (dissolved)	0.20 mg/1 - Monthly Average;
	1.0 mg/l – Maximum
Suspended solids	3000 mg/l
Zinc	25.23 mg/l
pH	5.0 to 10.0 units
Total petroleum hydrocarbons	100 mg/l
Temperature	≤104°F (40°C)
Oil or grease of animal or vegetable origin	300 mg/l (unless exempt by Section 16.08.190)
MTBE	1.0 mg/l
TTO*	1.0 mg/l
Phenols, total** Phenols, chlorinated***	150 mg/l 0.60 mg/l
Chlordane	$1.48 \times 10^{-5} \text{mg/l}$
DDT, o,p'	0.011 mg/l
dieldrin	9.40 x10 ⁻⁵ mg/l
endosulfan I	0.006 mg/l
1 •	0.000 /1

0.002 mg/l

endrin

heptachlor	0.00014 mg/l	
heptachlor epoxide	$1.39 \times 10^{-5} \text{ mg/l}$	
hexachlorobenzene Naphthalene	23.50 mg/l 2350 mg/l	
Phenanthrene/Anthracene, C1 -	2349.99 mg/l	
Anthracene	2422.68 mg/l	
Fluoranthene	123.38 mg/l	
8 - PCB 2,3,7,8-TCDD	0.000138859 mg/l 2.53 x10 ⁻⁹ mg/l	
,-,-,-	8	
(CFR) at 40 CFR433.11e with qua	antifiable concentrations greate FR 136 or other methods appr	d in the Code of Federal Regulations er than 0.01 mg/l when measured using roved for NPDES monitoring, and other
** Phenols, total, by EPA Metho	od 420.1.	
*** Phenols, chlorinated, is define	ned as the sum of 2-chlorophe	nol, 2,4-dichlorophenol,
pentachlorophenol, 2,4,6-trichloro	ophenol and 4-chloro-3-methyl	phenol (p-choloro-m-cresol).
(Ord. 2002-24 § 2 (part), 2002).		
Section 2. This Ordinance shall be	e in force and take effect thirty	y (30) days after final adoption.
PASSED FOR PUBLICAT	TION this day of,	2010 by the following vote:
AYES: Councilmember:		
NOES: Councilmember:		
ABSENT: Councilmember:		
DISQUALIFIED: Councilmember	r:	
	APPROVED:	
		Mayor
ATTEST:		
City Clerk		
PASSED FOR FINAL AD	OOPTION this day of,	2010 by the following vote:
AYES: Councilmember:		
NOES: Councilmember:		
ABSENT: Councilmember:		

APPROVED: _____

Mayor

DISQUALIFIED: Councilmember:

ATTEST: City Clerk		
This is to certify that the above and foregoing document is the original of Ordinance No. 2010-20 and that it has been published or posted in accordance with the Charter of the City of Santa Cruz.		
City Cloub		
City Clerk		

	der of this section includes the narrati to be in violation of the pretreatment	ve and table summary for the lone indu t program during the fourth quarter.	
	City of Santa Cruz Pretreatment Program - Fourth Quarter 2010, Summary Attachment		
All permits	All permitted Industrial Users were in compliance throughout the fourth quarter 2010		

CITY OF SANTA CRUZ CITY OF SANTA CRUZ PRETREATMENT PROGRAM

QUARTERLY STATUS REPORT, Fourth Quarter, 2010

INDUSTRIAL USER NAME & ADDRESS	COMPLIANCE STATUS	PREVIOUS QUARTERS NOT IN COMPLIANCE	PARAMETER	REPORTED LEVEL (mg/l)	LIMIT VIOLATED (mg/l)	FLOW	CORRECTIVE/ ENFORCEMENT ACTIONS
NA	NA	NA	NA	NA	NA	NA	See Summary Attachment

Comment Section
Additional Comments
should be footnoted
and addressed on an
attached sheet.

Flow Key

A. 0-10,000 gpd

B. 10,000-30,000 gpd

C. 30,000-50,000 gpd

D. 50,000-100,000 gpd

E. >100,000 gpd

D. On a compliance schedule.

E. Not achieving compliance and not on a compliance schedule.

Non-Compliance Status Key

A. Consistently Achieving Compliance

B. Inconsistently Achieving Compliance

C. Significantly violated applicable pretreatment requirements as defined by 40 CFR 403.8 (f)(2)(vii).

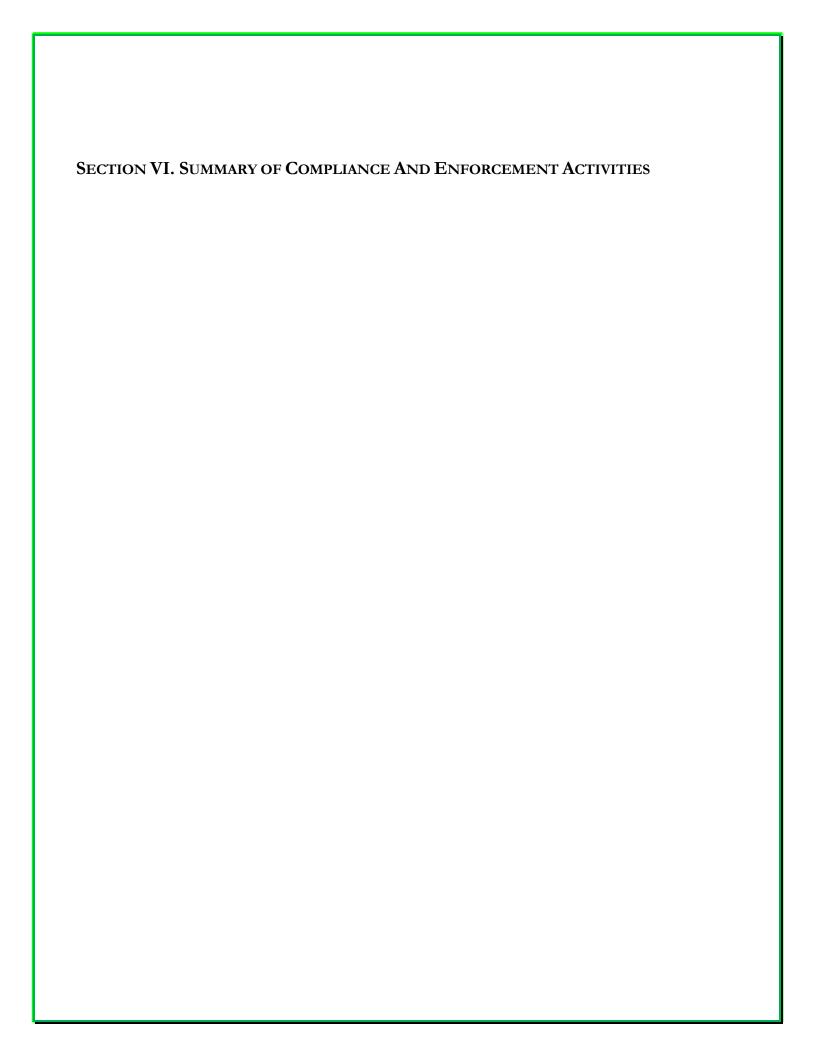
1) POTW Sampling

2) IU Self-Monitoring

3) Combination-1 & 2

Compliance Determination

4) Other (explain)



The followin	ummary of the	compliance and	enforcement activitie
Pretreatment	e calendar year 2	2010. The section	e City of Santa Cruz also includes a table in Santa Cruz.

PART VI. 2010 PERMITTED USER INSPECTION/MONITORING SUMMARY

<u>Industry</u>	<u>Quarter</u>	P.O.T.W. Monitoring	Self Monitoring	Inspections	Compliance Status	Summary Activities
AQUARIUS BOAT	2	0	1	0	A,2	See attachment
WORKS	4	1	0	1	В,3	attachment
	1 2	3	1 1	0	A,3 B,3	
BAY PHOTO	3	2	3	0	A,3	
	4	1	3	1	A,3	
	· ·				11,0	
CLASSIC	2	0	1	0	A,2	"
CLEANERS	4	1	1	1	A,3	"
FINS-COFFEE	3	0	1	0	Λ 2	
BEACH CITY GAS	4	0	0	0	A,2 A,4	"
STATION	7		· ·	1	71,4	
	4		44	0	A 2	
	1 2	0	11	0	A,3 A,3	
HARMONY FOODS	$\frac{2}{3}$	0	4	0	A,3	
	4	2	1	1	A,3	
	1	0	0	0	A,3	
DEDOVO	2	0	1	0	A,3	
PERSYS	3	0	0	0	A,3	
	4	1	1	1	A,3	
SC COUNTY	2	0	3	0	A,2	"
FLEET	3	0	3	0	A,2 A,2	"
SERVICES/RRM	4	1	3	1	B,3	
	'	1		1	15,5	
SANTA CRUZ	1	0	13	1	A,2	"
WATER PLANT	2	0	13	1	A,2	"
	3	0	13	1	A,2	"
	4	1	13	1	A,2	
CANIT'A ODITT	4		0	0	A 2	1
SANTA CRUZ BIOTECHNOLOGY	7 2	0	0	0	A,3	
PIOTECHNOLOGI	3	0	0	0	A,3	
	4	1	1	1	A,3 A,3	
	<u>'</u>					
SANTA CRUZ	1	0	0	0	A,1	
CLASS III	2	1	0	0	A,1	
LANDFILL	3 4	0	0	0	A,1 Δ 1	
	4	1	U	1	A,1	

	1		I		I	
	4	0	2	0	A 2	See
	1	U	3	Ü	A,2	attachment
Sav-On-Gas	2	0	1	0	A,2	"
	3	0	0	0	A,2	"
	4	1	1	1	A,3	"

Comment Section	Non-Compliance Status Key	Compliance Determination
A. 0-10,000 gpd	A. Consistently Achieving Compliance	1) POTW Sampling
B. 10,000-30,000 gpd	B. Inconsistently Achieving Compliance	2) IU Self-Monitoring
C. 30,000-50,000 gpd	C. Significantly violated applicable	3) Combination-1 & 2
D. 50,000-100,000 gpd	pretreatment requirements as defined	4) Other (explain)
E. >100,000 gpd	by 40 CFR 403.8 (f)(2)(vii).	
	D. On a compliance schedule.	
	E.Not achieving compliance and not on a com F.Unknown.	npliance schedule.

VI. Summary of Compliance and Enforcement Activities

BAY PHOTO - was inconsistently achieving compliance throughout 2010. One City 24-hour monitoring event found silver was being discharged from the pretreatment system at an average concentration of 84 ppm, resulting in a discharge to the sewer main of 1.1 ppm, both in violation of the 0.7 local limit. A Notice of Violation was issued to the business and an increased frequency, every 30 days, of self-monitoring was implemented for the final 6 months of 2010, in addition to almost monthly monitoring by the City. Subsequent to this violation of silver concentration, all samples from Bay Photo's pretreatment system have been in compliance with local limits.

PERSYS - was in compliance throughout 2010.

SANTA CRUZ CLASS III LANDFILL - was in compliance throughout 2010.

HARMONY FOODS – was in compliance throughout 2010. A single upset in operations at Harmony Foods caused the discharge of wastewater with a concentration of total suspended solids at 5,800 mg/L in violation of the 3,000 mg/L local limit. Harmony Foods subsequently retested the wastewater and found they had come back into compliance, a result verified by the City.

SANTA CRUZ BIOTECHNOLOGY – was in compliance throughout 2010.

SANTA CRUZ CLASS III LANDFILL – was in compliance throughout 2010.
SANTA CRUZ COUNTY FLEET SERVICES/RRM – (treated groundwater discharger) – was in compliance throughout 2010.
SANTA CRUZ WATER PLANT (Graham Hill Rd) – was in compliance throughout 2010.
UNIVERSITY OF CALIFORNIA AT SANTA CRUZ (UCSC) – was in compliance throughout 2010.

SECTION VII. PRETREATMENT PROGRAM CHANGES	

PRETREATMENT PROGRAM CHANGES

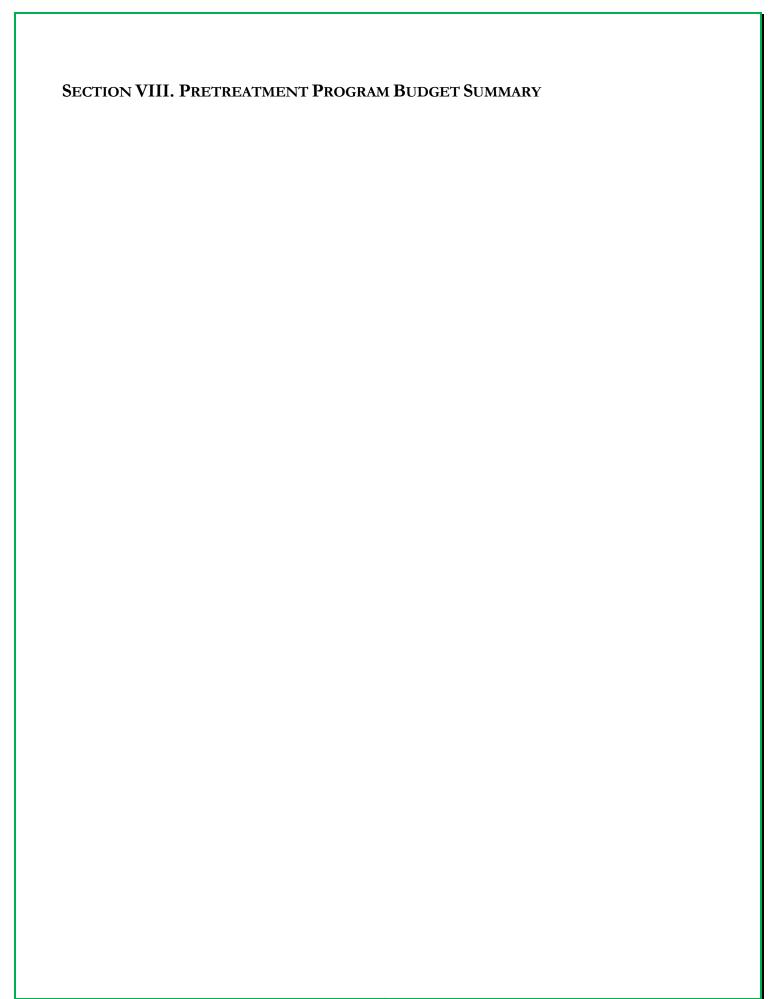
The Pretreatment program at the City of Santa Cruz completed the technical update to the Local Limits to regulate discharge into the wastewater treatment facility in 2010. The new limits were promulgated into the Sewer Use Ordinance in November 2010. Highlights of the new limits are the incorporation of numeric limits for trace organics, upward revision of the limit for Total Suspended Solids, and the reduction of Arsenic loads acceptable to the WWTF.

Additionally, the Environmental Compliance program at the City operates the Pretreatment program and has had the responsibilities for storm water monitoring and inspections since 2003, and since 2007. The program has utilized the integrated high volume water sampling technologies of SPMD (Semi Permeable Membrane Devices) to calculate potential effluent loads and pass through of trace organics in the effluent.

Finally, the City continued the program for safe and responsible disposal of unwanted pharmaceuticals as a free program to the community to prevent their common discharge into the sewer system, and as a way to divert them from the ocean and surface waters. Otherwise, there are few program changes to report for 2010.

Three of the significant program developments in 2010 are as follows:

- **1. Local Limits:** The City concluded the revision of the Local Limits and updated the Sewer Use Ordinance accordingly. The revision was undertaken because of the changed profile of the major dischargers into the sewer system and the ability to treat higher levels of solids for the community.
- **2. Compounds of Emerging Concern:** The Pretreatment program analyzed the data from simultaneous deployment of an integrative sampling technology into monitoring for trace and toxicologically significant compounds at the end of the dry weather season in 2009 and the effluent in 2010. The analyses indicate that the compounds do not currently pose challenges for violations and/or pass-through at the facility, and the data was integral to the revision of the Local Limits concluded in 2010. And
- 3. Program Organization and Staffing: The Pretreatment program finally filled the vacancy for a third Environmental Compliance Inspector position in August 2010. This allowed the implementation of a geographic grid of responsibility within City limits for staff Inspectors, and consequently this should translate to more proactive inspections, patrols, and more effective intervention.



VIII. PRETREATMENT PROGRAM BUDGET SUMMARY

The Pretreatment Program Budget for the fiscal year 2009/2010 includes:

Salaries and Benefits

\$305,639

Supplies and Services (approximately) \$63,450

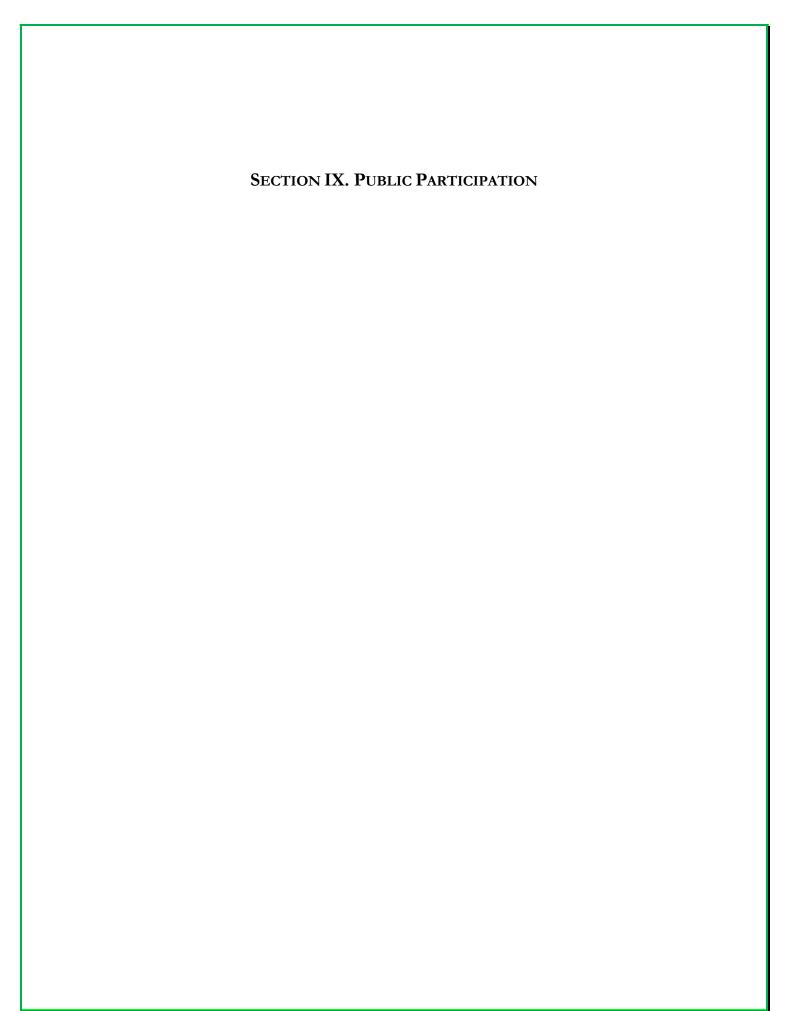
Capital Outlay

\$20,000

Total \$389,089

Current equipment includes:

- 1. 3 composite samplers
- 2. 3 trucks (shells, racks, sliding beds, crane/hoist)
- 3. 3 digital cameras
- 4. 3 digital pens
- 5. 1 digital camcorder
- 6. 3 portable pH meters
- 7. 3 portable Redox/Conductivity meters
- 8. 1 Delta-Tox mobile toxicity analyzer
- 9. 2 Laptop computers (One outreach laptop)
- 10. 3 desktop workstations
- 11. 2 portable multi gas detectors
- 12. 1 HP Laser printer
- 13. Office furniture
- 14. Tool boxes
- 15. 1 pretreatment database site license
- 16. 1 portable (continuous) pH meter
- 17. 1 portable flow meter
- 18. 1 conductivity meter
- 19. 2 portable peristaltic pumps
- 20. 1 refrigerator
- 21. 3 cell phones
- 22. 1. Hydrolab® multi-sonde
- 23. 2 one million candle power flashlights
- 24. And miscellaneous tools and equipment.



PUBLIC PARTICIPATION

The following section consists of a few highlights of the public outreach and public participation events of the Pretreatment program staff and management in the year 2010:

1. Clean Ocean Business (COB) Recognition event (October 12, 2010): The Clean Ocean Business, a public outreach program to encourage compliance with the City's sewer use and storm water ordinances, recognized and celebrated 10-year consistent compliance by 18 Vehicle Service Facilities and 5-year consistent compliance by 21 VSF in 2010. Businesses so honored were awarded plaques and certificates at the City Hall's Courtyard during a televised event and at the scheduled City Council meeting of

2. Sewer Use Ordinance Updated:

A Powerpoint presentation of the revised Local Limits and updated Sewer Use Ordinance was made before City Council on October 12, 2010. This was preceded by a similar presentation made to the City's Public Works and Transportation Committee on September 22, 2010.

- 3. World Water Monitoring Day Program staff and management participated in in October 2010. Activities included ordering and distribution of posters created for the California Department of Toxic Substances for the event.
- 4. Environmental Compliance program staff and management participated at the annual **Public Works Safety Day** in May 2010. The program events focused on sustainable practices in the watershed and community.

The SNC publication for Santa Cruz in 2010 will be published in March 2010, due to a database malfunction. The proof of that publication will be included in the first quarterly report for 2011.

SECTION X. CHANGES IN	N SLUDGE DISPOSAL	
	66	

CHANGES IN SLUDGE DISPOSAL

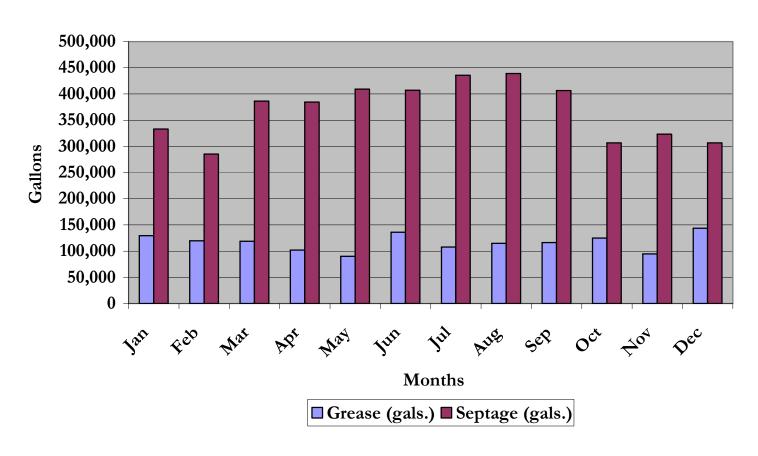
There were no major changes to the City's sludge treatment and/or disposal program activities in 2010, although there were changes to the disposal options for the biosolids product. These changes were to effect disposal by land application and/or alternative daily coverage at the landfill to replace the previous practice of hauling solely to Kern County.

The remainder of the information in this section includes data and graphs provided to illustrate the biosolids quality and loading at the facility through the reporting period of 2010, as well as the quantity of grease and septage wastes received from licensed liquid waste handlers at the facility in 2010.

City of Santa Cruz Sludge Production and Disposal Data 2010

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2010 MONTHS	Sludge Quantity	Sludge Reuse
	Tons	Tons
JANUARY	792.1	792.1
FEBRUARY	746.8	746.8
MARCH	744.3	744.3
APRIL	642.7	642.7
MAY	708.5	708.5
JUNE	851.4	851.4
JULY	879.4	879.4
AUGUST	871.0	871.0
SEPTEMBER	828.5	828.5
OCTOBER	768.3	768.3
NOVEMBER	832.2	832.2
DECEMBER	792.1	792.1
MONTHLY AVERAGE	788.1	788.1
MONTHLY MINIMUM	642.7	642.7
MONTHLY MAXIMUM	879.4	879.4
ANNUAL TOTAL	9457.1	9457.1

2010 Transported Liquid Septage/Grease Waste Totals Annual Grease Total: 1,397,918 Gals. Annual Septage Total: 4,423,550 Gals.



	Grease	Septage
Month	(gallons)	(gallons)
January	129,290	333,186
February	119,554	285,383
March	118,742	386,444
April	102,088	384,470
May	90,114	409,316
June	136,070	407,173
July	107,793	435,687
August	114,883	439,144
September	116,410	406,405
October	124,749	306,543
November	94,575	323,297
December	143,650	306,502
Totals	1,397,918	4,423,550

