WASTEWATER TREATMENT FACILITY
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February 9, 2007

Mr. Roger Briggs, Executive Officer
Regional Water Quality Control Board
Central Coast Region
895 Aerovista Place, Suite 101
San Luis Obispo, CA 93401-7906

Subject: 2007 Annual Pretreatment Program Report

Dear Mr. Briggs:

Enclosed herewith is the City of Santa Cruz Pretreatment Program Report for 2007, comprising of all data, analyses and narratives as prescribed in the Regional Board order No. R3-2005-0003 of May 12-13, 2005.
If you have questions about this report, please contact Akin Babatola, Wastewater Laboratory/Pretreatment Manager, at (831) 420-6045.

Sincerely,

Dan Seidel
Superintendent, Wastewater Collection and Treatment Facility.

cc: U. S. EPA, Region IX
State Water Resources Control Board
Manager, County Sanitation District, Department of Public Works, Santa Cruz County.
Director of Public Works, File 950-75, Wastewater Pretreatment Reports
Wastewater Laboratory/Pretreatment Manager
Industrial Waste Inspectors

CITY OF SANTA CRUZ WASTEWATER TREATMENT PLANT

PRETREATMENT PROGRAM

2007

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: 1-1-07 (PSSD) Start Date — 12-31-07 (PSED) End Date

	City	Total
Number of Significant Industrial Users in SNC With Pretreatment Compliance Schedule:	0	0 (SSNC)
Number of Notices of Violation and Administrative Orders Issued Against Significant Industrial Users:	0	0 (FENF)
Number of Civil and Criminal Judicial Actions Against Significant Industrial Users:	0	0 (JUDI)
Number of Significant Industrial Users with Significant Violations Published:	0	0 (SVPU)
Number of Industrial Users From Which Penalties Have Been Collected:	0	0 (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

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

Analyses of pollutants identified in Section 307(a) of the Clean Water Act (CWA) for samples of POTW influent, effluent and dewatered sludge were conducted throughout 2007. Two significant changes were implemented in the pretreatment program to implement the successful analyses of pollutants identified under Section 307(a) of the Clean Water Act. These are:

1. The near-simultaneous implementation of high volume integrative sampling for trace organic compounds for thirty (30) days at the effluent and influent in 2007. This representative method of sampling wastewater for trace organic compounds was approved by the Regional Water Quality Control Board in the NPDES permit issued to the City of Santa Cruz in May 2005. 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. The membranes were processed under license and a patent agreement granted by USGS to Environmental Testing Services (ETS), St. Joseph, MO. Thereafter the ampoules of chemical extracts were analyzed with approved EPA analytical methods. Many trace compounds and their congeners became amenable to analysis and should also be more amenable to control measures. The implementation of this integrative sampling method at the influent and effluent stations of the facility allowed the pretreatment program to assess pass-through to the effluent of the facility.
2. In May 2007, Plant management instituted a change in data objectives for assessing the quality of the Class B Biosolids generated at the facility in 2007, with reference to the Hazardous waste levels of its constituents per California Title 22. The previous frame of reference, specified under the NPDES permit was to analyze the biosolids quality for land application limits only. The new frame of reference is inclusive of more pollutants and a table of the analytical data summary data of the plant's biosolids now contains a column listing the threshold limit concentrations of inorganic and bioaccumulative toxic substances as identified in the California Water at Code Title 22.

The remainder of this section of the report includes data summaries and graphs of select data including those from the sampling methods utilizing Semi-Permeable Membrane Device (SPMD) as the high volume integrative method, and the threshold limit concentrations for biosolids. Additionally, all data referenced in this section are included in the Discharger Self-Monitoring Program, MRP No 00-044.

Finally, the data summaries indicate that compliance with the WDR and MRP requirements has been good, there was no violation of the MRP No 00-044 in 2007, and no problems are anticipated for 2008.

WWTF TOTAL WASTEWATER PLANT FLOWS - 2007

Monthly Averages	Influent Flow	Effluent Flow	City Influent Flow	County Influent Flow
Units	MGD	MGD	MGD	MGD
January	9.3	10.9	5.0	4.3
February	11.1	12.2	6.0	5.0
March	8.8	9.7	4.4	4.4
April	9.1	10.5	4.7	4.4
May	8.6	9.3	4.3	4.3
June	8.4	9.9	4.0	4.4
July	8.5	10.4	4.0	4.5
August	8.4	9.7	4.0	4.4
September	9.0	10.4	4.7	4.3
October	9.3	10.9	5.0	4.3
November	8.9	9.7	4.5	4.3
December	9.1	10.1	4.7	4.4
Annual Average	9.0	10.3	4.6	4.4
Annual High	11.1	12.2	6.0	5.0

WWTF TOTAL SUSPENDED SOLIDS (TSS) - 2007

Monthly Averages	Influent TSS	Effluent TSS	Effluent TSS	Effluent TSS	TSS Removal
Units	mg/l	mg/l	lb/day	kg/day	%
January	277.2	4.9	444.9	201.8	98.2%
February	255.6	3.5	363.4	164.8	98.6%
March	277.2	3.0	235.6	106.9	99.0%
April	352.0	4.0	427.0	193.7	97.8%
May	267.7	3.4	263.2	119.4	98.7%
June	472.0	6.0	533.9	242.2	99.4%
July	377.1	3.3	286.8	130.1	99.1%
August	320.5	3.1	253.2	114.9	99.0%
September	369.3	4.1	356.7	161.8	98.9%
October	343.7	4.9	447.8	203.1	98.6%
November	335.8	5.4	437.0	198.2	98.4%
December	305.6	5.5	461.2	209.2	98.2%
Annual Average	329.5	4.3	375.9	170.5	98.7%
Annual High	472.0	6.0	533.9	242.2	99.4%

WWTF TOTAL ORGANIC CARBON (TOC) - 2007

Monthly Averages	Influent TOC	Effluent TOC	Effluent TOC	Effluent TOC	TOC Removal
Units	mg/l	mg/l	lb/day	kg/day	%
January	109.3	12.8	1,145.9	548.8	87.9%
February	139.0	11.5	1,180.6	535.5	90.6%
March	103.1	9.5	506.6	229.8	87.8%
April	103.3	10.6	947.0	429.5	89.5%
May	107.7	11.0	843.8	359.0	89.8%
June	111.6	12.4	1,054.1	478.1	88.2%
July	125.6	11.6	1,039.2	471.4	90.6%
August	106.7	12.3	1,000.8	453.9	88.5%
September	102.3	12.6	1,099.2	498.6	87.7%
October	120.9	13.8	1,231.1	558.4	88.6%
November	124.1	11.9	971.6	440.7	90.4%
December	86.1	12.3	1,038.4	471.0	86.2%
Annual Average	111.6	11.9	1,004.8	456.2	88.8%
Annual High	139.0	13.8	1,231.1	558.4	90.6%

TABLE 1. - SELECT CONVENTIONAL POLLUTANTS

Monthly Averages	Influent PH	Effluent PH	Influent Settleable Solids	Effluent Settleable Solids	Influent Oil and Grease	Effluent Oil and Grease
Units	SI	SI	ml/L	ml/L	mg/L	mg/L
January	7.4	7.2	14.3	<0.05	24.5	<5
February	7.3	7.2	14.5	<0.05	27.0	<5
March	7.4	7.1	16.1	<0.05	40.1	<5
April	7.4	7.1	14.1	<0.05	44.3	<5
May	7.4	7.1	10.2	<0.05	24.9	<5
June	7.4	7.2	10.9	<0.05	41.1	<5
July	7.3	7.1	19.8	<0.05	31.6	<5
August	7.4	7.1	14.7	<0.05	39.4	<5
September	7.4	7.0	12.4	<0.05	31.6	<5
October	7.3	7.0	18.4	<0.05	25.1	<5
November	7.4	7.1	15.2	<0.05	29.0	<5
December	7.5	7.1	16.1	<0.05	31.7	<5
Annual Average	7.4	7.1	14.7	<0.05	32.5	<5
Annual High	7.5	7.2	19.8	<0.05	44.3	<5

TABLE 2. - SELECT CONVENTIONAL POLLUTANTS

Monthly Averages	Effluent Turbidity	Effluent Temperature	Effluent Ammonia-N	Effluent Urea-N	Effluent Nitrate	Effluent Silicate
Units	NTU	°C	υg/L	υg/L	mg/L	mg/L
January	3.8	18.3	29,738.5	205.0	9.1	34.0
February	3.2	18.6	29,166.7	540.0	4.6	60.0
March	2.4	19.6	28,879.3	112.0	5.2	33.0
April	1.8	21.1	28,505.6	118.0	4.7	35.0
May	3.1	22.7	26,578.6	150.0	NA	33.0
June	2.8	24.0	26,114.3	130.0	6.1	37.0
July	2.3	25.3	26,325.0	130.0	11.0	36.0
August	2.1	24.9	24,480.0	140.0	1.5	36.0
September	1.9	25.0	9,450.0	120.0	8.8	37.0
October	2.1	23.7	43,200.0	110.0	6.0	43.0
November	3.6	22.4	21,433.3	93.0	12.0	37.0
December	3.6	19.8	19,125.0	90.0	12.0	40.0
Annual Average	2.7	22.1	26,083.0	161.5	7.4	38.4
Annual High	3.8	25.3	43,200.0	540.0	12.0	60.0

Data derived from integrative sampling; for trace organics begin with the table below:

Sampled: 03/02/07 To 03/30/07	CITY OF SANTA CRUZ ANNUAL INFLUENT/EFFLUENT PESTICIDES					
			Sampling Quality Control		Influent	Effluent
	Method Detection Limit (MDL)	Reporting Limit (RL)	Solvent Blank	Day 0 Matrix Blank	L-472-07	L-472-07
	ng/mL (ppb)	ng/mL (ppb)	ng/mL (ppb)	ng/mL (ppb)	ng/mL (ppb)	ng/mL (ppb)
Aldrin	0.50	1.00	< mdl	< mdl	< mdl	< mdl
Chlordane, cis	0.50	1.00	< mdl	< mdl	**2.90**	**5.97**
Chlordane, trans	0.50	1.00	< mdl	< mdl	**2.68**	**4.74**
Chlorpyrifos	1.50	3.00	< mdl	< mdl	**7.63**	**23.5**
Dacthal	0.50	1.00	< mdl	< mdl	< mdl	< mdl
DDD, o,p'	1.00	2.00	< mdl	< mdl	< mdl	< mdl
DDD, p,p'	1.00	2.00	< mdl	< mdl	< mdl	< mdl
DDE, o,p'	1.00	2.00	< mdl	< mdl	< mdl	< mdl
DDE, p,p'	1.00	2.00	< mdl	< mdl	**2.31**	**2.77**
DDMU, p,p'	2.00	4.00	< mdl	< mdl	< mdl	< mdl
DDT, o,p'	1.00	2.00	< mdl	< mdl	< mdl	< mdl
DDT, p,p'	1.00	2.00	< mdl	< mdl	**1.03**	**1.34**
Diazinon	10.0	20.0	< mdl	< mdl	< mdl	< mdl
Dieldrin	0.50	1.00	< mdl	< mdl	< mdl	< mdl
Endosulfan I	1.00	2.00	< mdl	< mdl	< mdl	< mdl
Endrin	0.50	1.00	< mdl	< mdl	< mdl	< mdl
HCB	0.50	1.00	< mdl	< mdl	**1.97**	**4.22**
HCH, alpha	0.25	0.50	< mdl	< mdl	< mdl	< mdl
HCH, beta	0.50	1.00	< mdl	< mdl	< mdl	< mdl
HCH, gamma	0.25	0.50	< mdl	< mdl	**1.46**	**0.763**
Heptachlor	0.50	1.00	< mdl	< mdl	< mdl	< mdl
Heptachlor epoxide	0.50	1.00	< mdl	< mdl	**0.82**	**1.70**

Methoxychlor	2.50	5.00	< mdl	< mdl	< mdl	< mdl
Mirex	1.50	3.00	< mdl	< mdl	< mdl	< mdl
Nonachlor, cis	0.50	1.00	< mdl	< mdl	< mdl	< mdl
Nonachlor, trans	0.50	1.00	< mdl	< mdl	**1.29**	**2.37**
Oxadiazon	1.50	3.00	< mdl	< mdl	< mdl	< mdl
Oxychlordane	0.50	1.00	< mdl	< mdl	< mdl	< mdl
Paathion, methyl	1.50	3.00	< mdl	< mdl	< mdl	< mdl
Parathion, ethyl	2.00	4.00	< mdl	< mdl	< mdl	< mdl
Tedion	1.00	2.00	< mdl	< mdl	< mdl	< mdl

Sampled: 03/02/07 To 03/30/07	CITY OF SANTA CRUZ ANNUAL INFLUENT/EFFLUENT Volatile Organic Compounds (VOCs)				
	Lab Number:	L-472-07-1	L-472-07-2	L-472-07-3	
	Sample Name:	Day Zero	Influent	Effluent	
		Sampling QC			
Compound Name	Reporting Limits (ug/mL)	ug/mL [ppm]	ug/mL [ppm]	ug/mL [ppm]	
Phenol	5	< mdl	< mdl	< mdl	
Bis(2-chloroethyl) ether	5	< mdl	< mdl	< mdl	
2-Chlorophenol	5	< mdl	< mdl	< mdl	
1,3-Dichlorobenzene	5	< mdl	< mdl	< mdl	
1,4-Dichlorobenzene	5	< mdl	< mdl	< mdl	
1,2-Dichlorobenzene	5	< mdl	< mdl	< mdl	
Bis(2-chloroisopropyl) ether	5	< mdl	< mdl	< mdl	
2-Methylphenol	5	< mdl	< mdl	< mdl	
N-Nitrosodi-n-propylamine	5	< mdl	< mdl	< mdl	
Hexachloroethane	5	< mdl	< mdl	< mdl	
4-Methylphenol	5	< mdl	< mdl	< mdl	
Nitrobenzene	5	< mdl	< mdl	< mdl	
Isophorone	5	< mdl	< mdl	< mdl	
2-Nitrophenol	5	< mdl	< mdl	< mdl	
2,4-Dimethylphenol	5	< mdl	< mdl	< mdl	
Bis(2-chloroethoxy)methane	5	< mdl	< mdl	< mdl	
2,4-Dichlorophenol	5	< mdl	< mdl	< mdl	
1,2,4-Trichlorobenzene	5	< mdl	< mdl	< mdl	
Naphthalene	5	< mdl	< mdl	< mdl	
4-Chloroaniline	5	< mdl	< mdl	< mdl	
Hexachlorobutadiene	5	< mdl	< mdl	< mdl	
4-Chloro-3-methylphenol	5	< mdl	< mdl	< mdl	
2-Methylnaphthalene	5	< mdl	< mdl	< mdl	

Hexachlorocyclopentadiene	15	< mdl	< mdl	< mdl	
2,4,6-Trichlorophenol	5	< mdl	< mdl	< mdl	
2,4,5-Trichlorophenol	5	< mdl	< mdl	< mdl	
2-Chloronaphthalene	5	< mdl	< mdl	< mdl	
2-Nitroaniline	5	< mdl	< mdl	< mdl	
2,6-Dinitrotoluene	5	< mdl	< mdl	< mdl	
Dimethyl phthalate	5	< mdl	< mdl	< mdl	
Acenaphthylene	5	< mdl	< mdl	< mdl	
3-Nitroaniline	15	< mdl	< mdl	< mdl	
Acenaphthene	5	< mdl	< mdl	< mdl	
2,4-Dinitrophenol	5	< mdl	< mdl	< mdl	
2,4-Dinitrotoluene	5	< mdl	< mdl	< mdl	
Dibenzofuran	5	< mdl	< mdl	< mdl	
4-Nitrophenol	5	< mdl	< mdl	< mdl	
Diethyl phthalate	5	< mdl	< mdl	< mdl	
Fluorene	5	< mdl	< mdl	< mdl	
4-Chlorophenyl phenyl ether	5	< mdl	< mdl	< mdl	
4,6-Dinitro-2-methylphenol	5	< mdl	< mdl	< mdl	
Carbazole	5	< mdl	< mdl	< mdl	
4-Bromophenyl phenyl ether	5	< mdl	< mdl	< mdl	
Hexachlorobenzene	5	< mdl	< mdl	< mdl	
Pentachlorophenol	5	< mdl	< mdl	< mdl	
4-Nitroaniline	15	< mdl	< mdl	< mdl	
Phenanthrene	5	< mdl	< mdl	< mdl	
Anthracene	5	< mdl	< mdl	< mdl	
Di-n-butyl phthalate	5	< mdl	< mdl	< mdl	
Fluoranthene	5	< mdl	< mdl	< mdl	
Pyrene	5	< mdl	< mdl	< mdl	
Butyl benzyl phthalate	5	< mdl	< mdl	< mdl	
Benz[a]anthracene	5	< mdl	< mdl	< mdl	
Chrysene	5	< mdl	< mdl	< mdl	
Bis(2-ethylhexyl) phthalate	30	< mdl	< mdl	< mdl	

Di-n-octyl phthalate	5	< mdl	< mdl	< mdl	
Benzo[b]fluoranthene	5	< mdl	< mdl	< mdl	
Benzo[k]fluoranthene	5	< mdl	< mdl	< mdl	
Benzo[a]pyrene	5	< mdl	< mdl	< mdl	
Indeno[1,2,3-cd]pyrene	5	< mdl	< mdl	< mdl	
Dibenz[a,h]anthracene	5	< mdl	< mdl	< mdl	
Benzo[g,h,i]perylene	5	< mdl	< mdl	< mdl	

< mdl = below method detection limit

Sampled: 03/02/07 To 03/30/07	CITY OF SANTA CRUZ ANNUAL INFLUENT/EFFLUENT PolyChlorinated-BiPhenyls (PCBs)					
			Sampling Quality Control			
PCBs	Method Detection Limit (MDL)	Reporting Limit (RL)	Solvent Blank	Matrix Blank / Day 0	Influent L-472-07	Effluent L-472-07
All analyses in (ng/uL) units ppb						
8	0.25	0.50	< mdl	< mdl	**0.711**	**0.929**
18	0.25	0.50	< mdl	< mdl	**0.834**	**1.38**
27	0.25	0.50	< mdl	< mdl	< mdl	< mdl
28	0.25	0.50	< mdl	< mdl	**1.35**	**1.96**
29	0.25	0.50	< mdl	< mdl	< mdl	< mdl
30	0.25	0.50	< mdl	< mdl	< mdl	< mdl
31	0.25	0.50	< mdl	< mdl	**1.12**	**1.81**
33	0.25	0.50	< mdl	< mdl	**0.856**	**1.10**
44	0.25	0.50	< mdl	< mdl	**0.836**	**1.11**
49	0.25	0.50	< mdl	< mdl	**0.685**	**1.04**
52	0.25	0.50	< mdl	< mdl	**1.00**	**1.69**
56	0.25	0.50	< mdl	< mdl	< mdl	**3.56**
60	0.25	0.50	< mdl	< mdl	< mdl	**0.215**
66	0.25	0.50	< mdl	< mdl	**0.631**	**0.761**
70	0.25	0.50	< mdl	< mdl	**0.900**	**1.45**
74	0.25	0.50	< mdl	< mdl	**0.304**	**0.441**
87	0.25	0.50	< mdl	< mdl	**0.477**	**0.576**
95	0.25	0.50	< mdl	< mdl	**0.572**	**1.06**
97	0.25	0.50	< mdl	< mdl	**< mdl**	**0.290**
99	0.25	0.50	< mdl	< mdl	**< mdl**	**0.442**
101	0.25	0.50	< mdl	< mdl	**0.617**	**1.13**
105	0.25	0.50	< mdl	< mdl	< mdl	< mdl

110	0.25	0.50	< mdl	< mdl	**0.672**	**1.07**
114	0.25	0.50	< mdl	< mdl	< mdl	< mdl
118	0.25	0.50	< mdl	< mdl	**0.411**	**0.744**
128	0.25	0.50	< mdl	< mdl	< mdl	< mdl
137	0.25	0.50	< mdl	< mdl	< mdl	< mdl
138	0.25	0.50	< mdl	< mdl	< mdl	**0.487**
141	0.25	0.50	< mdl	< mdl	< mdl	**0.282**
149	0.25	0.50	< mdl	< mdl	**0.431**	**0.590**
151	0.25	0.50	< mdl	< mdl	< mdl	< mdl
153	0.25	0.50	< mdl	< mdl	**0.437**	**0.515**
156	0.25	0.50	< mdl	< mdl	< mdl	< mdl
157	0.25	0.50	< mdl	< mdl	< mdl	< mdl
158	0.25	0.50	< mdl	< mdl	< mdl	< mdl
169	0.25	0.50	< mdl	< mdl	< mdl	< mdl
170	0.25	0.50	< mdl	< mdl	< mdl	< mdl
174	0.25	0.50	< mdl	< mdl	< mdl	< mdl
177	0.25	0.50	< mdl	< mdl	< mdl	< mdl
180	0.25	0.50	< mdl	< mdl	< mdl	< mdl
183	0.25	0.50	< mdl	< mdl	< mdl	< mdl
187	0.25	0.50	< mdl	< mdl	< mdl	**0.288**
189	0.25	0.50	< mdl	< mdl	< mdl	< mdl
194	0.25	0.50	< mdl	< mdl	< mdl	< mdl
195	0.25	0.50	< mdl	< mdl	< mdl	< mdl
200	0.25	0.50	< mdl	< mdl	< mdl	< mdl
201	0.25	0.50	< mdl	< mdl	< mdl	< mdl
203	0.25	0.50	< mdl	< mdl	< mdl	< mdl
206	0.25	0.50	< mdl	< mdl	< mdl	< mdl
209	0.25	0.50	< mdl	< mdl	< mdl	< mdl

Annual Influent 2007 –TCDD and equivalents				
Sample Composite dates: 09/04/07 through 10/04/07	**Concentration Units: pg/L**	**Method Detection Limit Units: pg/L**	**Summation of Congeners**	**WHO TEQ: 1.06 Concentration (pg/L)**
2,3,7,8-TCDD	<0.927	0.337		
1,2,3,7,8-PeCDD	0.953[J]	0.338		
1,2,3,4,7,8-HxCDD	< 1.52	0.738		
1,2,3,6,7,8-HxCDD	< 1.62	0.801	**Total TCDD**	10.3
1,2,3,7,8,9-HxCDD	< 1.71	0.729	**Total PeCDD**	4.29[J,M]
1,2,3,4,6,7,8-HpCDD	7.15[J]	0.642	**Total HxCDD**	<1.71
OCDD	31.7[J]	1.34	**Total HpCDD**	13.6[J]
2,3,7,8-TCDF	< 0.699	0.346		
1,2,3,7,8-PeCDF	< 1.80	0.454		
2,3,4,7,8-PeCDF	< 2.00	0.488		
1,2,3,4,7,8-HxCDF	<0.499	0.268		
1,2,3,6,7,8-HxCDF	0.512	0.26		
2,3,4,6,7,8-HxCDF	0.580	0.327		
1,2,3,7,8,9-HxCDF	< 0.789	0.276	**Total TCDF**	11.6
1,2,3,4,6,7,8-HpCDF	3.35[J]	0.332	**Total PeCDF**	2.70[J]
1,2,3,4,7,8,9:HpCDF	< 0.671	0.398	**Total HxCDF**	4.53[J]
OCDF	5.72[J]	1.19	**Total HpCDF**	5.98[J]
J Flags denote concentration values derived outside of the calibration range, and are reported for informational values only. M Flags denote maximum possible concentration.				

Wet Weather Semi-Annual Effluent 2007 –TCDD and equivalents				
Sample Composite Dates: 03/02/07 through 03/30/07				WHO TEQ: 0.000611
Compound	Concentration Units: pg/L	Method Detection Limit Units: pg/L	Summation of Congeners	Concentration (pg/L)
2,3,7,8-TCDD	< 0.194	0.337		
1,2,3,7,8-PeCDD	< 1.07	0.338		
1,2,3,4,7,8-HxCDD	< 2.26	0.738		
1,2,3,6,7,8-HxCDD	< 2.45	0.801	**Total TCDD**	**560**
1,2,3,7,8,9-HxCDD	< 2.67	0.729	**Total PeCDD**	**8.49**
1,2,3,4,6,7,8-HpCDD	< 4.17	0.642	**Total HxCDD**	**<.267**
OCDD	6.11[J]	1.34	**Total HpCDD**	**4.17**
2,3,7,8-TCDF	< 1.23	0.346		
1,2,3,7,8-PeCDF	< 1.91	0.454		
2,3,4,7,8-PeCDF	< 1.86	0.488		
1,2,3,4,7,8-HxCDF	< 1.09	0.268		
1,2,3,6,7,8-HxCDF	< 1.16	0.26		
2,3,4,6,7,8-HxCDF	< 1.24	0.327		
1,2,3,7,8,9-HxCDF	< 1.76	0.276	**Total TCDF**	**167**
1,2,3,4,6,7,8-HpCDF	< 2.21	0.332	**Total PeCDF**	**24.7**
1,2,3,4,7,8,9:HpCDF	< 2.61	0.398	**Total HxCDF**	**2.11**
OCDF	< 3.04	1.19	**Total HpCDF**	**< 2.61**
J Flags denote concentration values derived below calibration range; and reported for informational values only.				

ANNUAL BIOSOLIDS QUALITY DATA - 2007

Pollutants	ANALYTICAL RESULTS IN WET WEIGHT ONLY						Hazardous Waste Limits (Max Allowable) mg/Kg Wet Weight TTLC
	1-May-07	4-Jun-07	1-Aug-07	1-Oct-07	3-Dec-07	Units	
Antimony	0.7	0.7	0.8	0.7	0.6	mg/kg	500.0
Arsenic	3.1	2.8	3.3	3.0	2.3	mg/kg	500.0
Asbestos	<1%	<1%	<1%	<1%	<1%	mg/kg	<1%
Barium	100	100	110	110	92	mg/kg	10,000.0
Beryllium	<0.5	<0.5	<0.5	<0.5	<0.5	mg/kg	75.0
Cadmium	0.6	0.55	0.6	0.6	0.5	mg/kg	100.0
Chromium	7.7	6.7	10	13	7.2	mg/kg	500.0
Cobalt	1.1	1.1	1.3	1.4	1.1	mg/kg	8,000.0
Copper	150	66	160	120	140	mg/kg	2,500.0
Fluoride	2.3	1.8	4.9	2.3	4.6	mg/kg	18,000.0
Lead	9.0	6.4	6.5	5.4	4.9	mg/kg	1,000.0
Mercury	0.27	0.28	0.4	0.3	0.2	mg/kg	20.0
Moisture	77.1%	80.0%	77.7%	75.6%	76.1%	%	
Molybdenum	2.3	2.6	2.4	2.5	2.0	mg/kg	35,000.0
Nickel	4.7	4.1	4.9	4.9	3.9	mg/kg	2,000.0
Nitrate-N	4.6	<1.0	3.3	7.0	4.4	mg/kg	
Nitrogen-Organic **(TON)**	9,000	8,900	9,000	9,400	9,000	mg/kg	
Nitrogen-Total Kjeldahl **(TKN)**	11,000	11,000	11,000	12,000	11,000	mg/kg	
Nitrogen-Ammonia	2,300	2,500	2,400	2,200	2,200	mg/kg	
Selenium	1.5	1.4	1.5	1.6	1.3	mg/kg	100.0
Silver	4.4	5.0	4.5	6.5	6.2	mg/kg	500.0
Thallium	<0.5	<0.5	<0.5	<0.5	<0.5	mg/kg	700.0
Vanadium	7.0	5.8	7	8	7.4	mg/kg	2,400.0
Zinc	290	260	300	310	260	mg/kg	5,000.0

SECTION II UPSET, INTERFERENCE, AND PASS-THROUGH

II. Upset, Interference, and Pass-Through

There was no incident of pass-through, interference or upset documented throughout the calendar year 2007. 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.

As a result of the Reasonable Potential Analyses (RPA) performed on annualized plant effluent data derived from 24 hour composited samples through 2004, modifications were made to the permit to allow for improved monitoring of trace compounds and priority pollutants that might constitute pass-through. These modifications allow for the specific uses of integrative high volume sampling technologies to aggregate for trace organic compounds and other compounds of emerging concern (CEC), and subsequent analyses by EPA approved methods.

All analyses for trace metals and priority pollutants were performed within the methods and provisions of 40CFR 136, and many trace compounds are now detectable and quantifiable at levels above laboratory detection limits, when integrative sampling for thirty days are used.

In conclusion, the data indicate that compliance with the WDR and MRP requirements has been good, and no problems are anticipated for 2008.

SECTION III BASELINE MONITORING REPORTS

III. BASELINE MONITORING REPORTS

This section includes a summary of the changes documented in the Baseline Monitoring reports in 2007. It also includes the cumulative number of industrial users notified of the Baseline Monitoring Reports (BMR) and the cumulative number of industrial users and their responses.
The Industry Baseline Monitoring Reports (BMR) was reviewed in order to reflect any changes undertaken by permitted industries during the course of 2007.

Changes in BMR and industrial users and responses in 2007 include:

- One IU, **City of Santa Cruz Water Department –** was issued a new Wastewater Discharge Permit for a proposed Desalination Pilot Plant that is not in operation yet. Consequently, no discharge to sewer has taken place and no sampling has been performed to date.

- One IU, **Almar Dry Cleaners** – discontinued using perchlorates and therefore did not need to have their permit renewed when it expired on 12/31/07.

- One SIU, **Santa Cruz Class III Landfill** – was issued a new permit on October 11, 2007. Their permit expired on 9/14/07.

- One SIU, **Santa Cruz Sentinel** – discontinued their newspaper press on April 29, 2007 and moved to San Jose. Their permit was not renewed when it expired on 1/14/08.

- One IU, **Beach City Gas Station (Groundwater Discharge)** – informed our office of the completion and opening of Fin's Coffee on December 1, 2007.

- One IU, **Classic Cleaners** – was issued a new permit on June 25, 2007. Classic is now under new ownership and continues to use perchlorates in the dry cleaning processes.

- One IU, **Del Mar Cleaners** – discontinued using perchlorates and therefore did not need to have their permit renewed when it expired on 12/31/07.

- One IU, **Vapor Cleaners** – discontinued using perchlorates and therefore did not need to have their permit renewed when it expired on 12/31/07.

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.ci.santa-cruz.ca.us/pw/environmental/baselinereport.pdf

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 Waste stream 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.

CITY OF SANTA CRUZ PRETREATMENT PROGRAM

INFORMATION REQUIREMENTS FOR
BASELINE MONITORING REPORT

Facility Name _____

Owner/Operator _____

Address _____

_____

_____

1) Briefly describe the products produced and manufacturing process used in your operation
_____
_____
_____
_____.

2) Production Rate: _____

3) SIC Code: _____

4) Facility Diagram: Attach a copy of your facility flow schematic diagram of all regulated process, including points of discharge to the sanitary sewer system.

5) Wastewater Flow Measurement:

Regulated Process (Type)	Daily Average (gal/day)	Daily Maximum (gal/day)	Estimated (E) or Measured (M)

Non-Regulated Process (Type)	Daily Average (gal/day)	Daily Maximum (gal/day)	Estimated (E) or 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

7) Certification: Are pretreatment standards for your industry being met on a consistent basis by this facility?

☐1 YES ☐2 NO If "yes," go on to Question 9.

8) If answer to number 7 is "no," will additional pretreatment and/or operations and maintenance be required for this facility to meet pretreatment standards?

☐3 YES ☐4 NO

If "no," attach explanation for non-compliance.

If "yes," 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

SECTION IV LIST OF INDUSTRIAL USERS

SECTION IV LIST OF INDUSTRIAL USERS

The following section includes lists of Industrial Users within the reach and purview of the Pretreatment program in 2007.
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.

Complete Business Listing by Class

CLASS	IU Name	IU Number	Business Address			STATUS
AUTO BODY						
	Advanced Collision Centers	AB0001	122	Hubbard	St.	OPEN
	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
	Harrison Auto Body	AB0005	1006	Water	St.	CLOSE
	La Vars Auto Body	AB0014	105	Bronson	St.	OPEN
	Perrigos	AB0006	251	Washington	St.	OPEN
	Rolfs Auto Body	AB0007	1800	Soquel	Ave.	CLOSE
	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.	OPEN
	T. & J. Autobody	AB0016	815	Almar	Ave.	CLOSE
	TDKS	AB0012	125	River	St.	CLOSE
	Westons Auto	AB0015	1298	Fair	Ave.	OPEN
AUTO DEALER	North Bay Ford Dealership	AD0001	1999	Soquel	Ave.	OPEN
	Pacific Coast Interprises	AD0005	1266	Soquel	Ave.	OPEN
	Santa Cruz Dodge	AD0006	1616	Soquel	Ave.	OPEN

CLASS	IU Name	IU Number	Business Address			STATUS
	Santa Cruz Nissan/Volkswagen	AD0007	1616	Soquel	Ave.	OPEN
	Subaru of Santa Cruz	AD0008	1219	Soquel	Ave.	OPEN
AUTO DETAIL						
	Santa Cruz Auto Detail Shop	ADT003	1207	Water	St.	OPEN
	Water St. Auto Detail	ADT004	1025	Water	St.	CLOSE
AUTO ELECTRIC						
	Auto Electric Specialist	AE0001	397	Coral	St.	CLOSE
	Tims Auto Electric	AE0002	226	Benito	St.	OPEN
AUTO FORKLIFTS						
	K Lift Service Co Inc.	AF0001	1360	Burton	Ave.	CLOSE
	C. Obert and Company	APS001	2131	Delaware	Ave.	CLOSE
AUTO PARTS STORES	Santa Cruz Auto Parts	AP0001	1919	Soquel	Ave.	OPEN
AUTO RENTAL	Autoworld Sales and Leasing	ART007	725	Soquel	Ave.	OPEN
	Avis Rent a Car	ART008	630	Ocean	St.	OPEN
	Budget Car and Truck Rental	ART006	919 C	Ocean	St.	OPEN
	Enterprise Rent A Car	ART003	1303	Ocean	St.	OPEN
	Hertz Local Edition	ART001	2125	Delaware	Ave.	CLOSE

CLASS	IU Name	IU Number	Business Address			STATUS
AUTO RENTAL	Hertz Local Edition	ART009	130	Center	St.	OPEN
	Laidlaw Transportation Services	ART010	117	Fern	St.	OPEN
	Ryder Truck Rental & Thrifty Car Rental	ART005	1010	Water	St.	CLOSE
	The Z Zone	ART011	703	Pacific	Ave.	OPEN
	Thrifty Car Rental	ART004	1303	Ocean	St.	CLOSE
AUTO REPAIR	A-1 Mobile Service	AR0042	743	Sanborn	Pl.	OPEN
	AAAA Elite Auto Service	AR0002	110	Stanford	Ave.	CLOSE
	Aamco Transmissions	AR0052	1915	Soquel	Ave.	OPEN
	Advanced Auto	AR0003	1025	Water	St.	OPEN
	Ainsworth Santa Cruz	AR0004	220 "A"	Front	St.	OPEN
	B and E Mobile Repair	AR0005	134	Fernside	St.	CLOSE
	Bear Service	AR0006	112	Coral	St.	CLOSE
	Big O Tires	AR0050	1025	Water	St.	OPEN
	C & C Auto Service	AR0009	318	River	St.	CLOSE
	Cashs Automotive Service	AR0010	619	River	St.	OPEN
	Central Coast Citroen	AR0011	318	Morrissey	Blvd.	CLOSE
	Chandler Auto Repair	AR0012	501	Soquel	Ave.	CLOSE
	Chuck Manning Auto Services	AR0038	1000	Water	St.	OPEN
	Clutch House Inc.	AR0013	1203	Water	St.	CLOSE
	Comprehensive Mechanics	AR0020	115	Mcpherson	St.	OPEN
	Eastman Motors	AR0014	325	Ingalls	St.	CLOSE
	Eurotechs	AR0016	211	Cedar	St.	CLOSE
	Evolution Automotive Repair	AR0056	815	Almar	Ave.	OPEN
	Fidelity Automotive	AR0017	916	Soquel	Ave.	OPEN
	Gerry Brown Imported Car Service Inc,	AR0007	318	River	St.	CLOSE
	Goodyear Tires & Auto Repair	AR0059	1203	Water	St.	OPEN
	Graniterock-Fleet Maintenance Yard	AR0039	129	Coral	St.	OPEN
	Hashimoto Toyota Auto Repair	AR0018	226	Benito	Ave.	CLOSE
	Hennings Werkstatt Inc.	AR0019	1025	Water	St.	OPEN
	J.V. Tire & Truck Accessories	AR0048	220	Lincoln	St.	OPEN

CLASS	IU Name	IU Number	Business Address			STATUS
AUTO REPAIR	Jiffy Lube, Store # 2334	AR0055	1705	Soquel	Ave.	OPEN
	Jim Ludy Automotive Maintenance	AR0022	501	Soquel	Ave.	OPEN
	Legacy Automotive	AR0021	318	River	St.	OPEN
	Marty Mechanic	AR0046	1915	15th	Ave.	OPEN
	Maxwell Tire & Alignment	AR0058	1807	Soquel	Ave.	OPEN
	Mechanic on Wheels	AR0051	295	Day Valley		CLOSE
	Midas Muffler Shop	AR0023	1218	Ocean	St.	OPEN
	Mobile German Auto Works	AR0054	1743	Escalona	Dr.	OPEN
	Mobile Mechanic H & D	AR0024	222	Columbia	St.	CLOSE
	Monterey Bay Automotive	AR0047	318C	River	St.	OPEN
	Polar Radiator Service Inc.	AR0025	114	Coral	St.	OPEN
	Putney and Perry	AR0027	325	Front	St.	OPEN
	Quality Automotive	AR0044	908	Ocean	St.	OPEN
	R & V Fields Brakes	AR0028	1000	Water	St.	CLOSE
	Rene's Auto Repair	AR0049	501	Soquel	Ave.	OPEN
	Reyes Auto Repair	AR0057	217	McPhearson	St.	OPEN
	RPM Auto and Truck	AR0036	1025-C	Water	St.	
	RPM Auto Repair	AR0037	1025-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
	Volks Café	AR0043	1823	Soquel	Ave.	OPEN
	Water Star Motors	AR0033	318 A	River	St.	OPEN
	Westside Brake and Muffler Repair	AR0034	116	Mc Pherson	St.	CLOSE
	Wheel Works	AR0040	220	Front	St.	OPEN
	Wilson's Tire & Service	AR0053	1807	Soquel	Ave.	CLOSE

CLASS	IU Name	IU Number	Business Address			STATUS
	Work Force	AR0035	312	May	Ave.	OPEN
AUTO SALES						
	AA Low Cost Auto Rental And Sales	AS0001	310	Front	St.	CLOSE
	Auto Zone	AS0002	1800	Soquel	Ave.	OPEN
	AutoRose	AS0003	1215	Water	St.	CLOSE
	Beach Auto Sales/Pacific Avenue Motors	AS0008	512	Pacific	Ave.	OPEN
	Beach Front Auto Wholesales	AS0004	1303	Ocean	St.	CLOSE
	Car Store Santa Cruz	AS0006	1025	Water	St.	CLOSE
	Cheney Used Car Lot, Al	AS0005	1926	Soquel	Ave.	CLOSE
	LBCO	AS0007	512	Pacific	Ave.	CLOSE
	Premier Auto	AS0009	1025	Water	St.	CLOSE
	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.	OPEN
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

CLASS	IU Name	IU Number	Business Address			STATUS
AUTO-MOTORCYCLE SALES	Cycle Revolution	AM0001	322	Pacific	Ave.	OPEN
	Santa Cruz Custom Motorcycles	AMS001	2119	Delaware	Ave.	CLOSE
	Santa Cruz Harley Davidson Inc	AM0002	1148	Soquel	Ave.	OPEN
	SC Custom Motorcycles	AM0003	2119	Delaware	Ave.	OPEN
BAKERY						
	Allbright Donut Shoppe	"000007	1055	Water	St.	OPEN
	Aunt Netties Bakery	"000009	104	Bronson	St.	CLOSE
	Bagelry on Cedar Street	"000011	320	Cedar	St.	OPEN
	Bagelry on Seabright Avenue	"000010	1636	Seabright	Ave.	OPEN
	Beckmans Bakery	"000019	104	Bronson	St.	OPEN
	Beckmans Old World Bakery	"000020	2341	Mission	St.	OPEN
	Black China Bakery	"000024	104	Bronson	St.	OPEN
	Cefieros Donuts	"000050	1222	Mission	St.	CLOSE
	Costco/Bakery Department	"000059	220	Sylvania	Ave.	OPEN
	Emilys Good Things To Eat	"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 Café	"000291	550	River	St.	OPEN
	Hoffmans Bakery	"000324	1100	Pacific	Ave.	OPEN
	Kellys French Bakery	"000349	401	Ingalls	St.	OPEN
	Kellys French Pastries	"000118	1547	Pacific	Ave.	CLOSE
	La Huixtepecana	"000138	1705	Mission	St.	OPEN
	Noahs New York Bagel	"000148	1411	Pacific	Ave.	OPEN
	Pacific Cookie Company	"000162	1203	Pacific	Ave.	OPEN
	Pacific Cookie Company	"000176	303	Potrero	St.	OPEN
	Rebeccas Mighty Muffins	"000176	514	Front	St.	CLOSE
	The Buttery	"000226	702	Soquel	Ave.	OPEN

CLASS	IU Name	IU Number	Business Address			STATUS
BOAT REPAIR						
	Aquarius Boat Works	BR0004	495	Lake	Ave.	OPEN
	Daves Outboard	BR0001	105	Bronson	St.	OPEN
	Monterey Bay Marine Engine Co.	BR0002	555	Brommer	St.	OPEN
	Pacific Yachts	BR0003	413	Lake	Ave.	CLOSE
	Santa Cruz Port District	BW0001	135	Fifth	Ave.	OPEN
CONVALESCENT						
	Dominican Rehabilitation Services	CON001	610	Frederick	St.	OPEN
	ElderDay Adult Health Care	"000077	1410	Ocean	St.	CLOSE
	Front Street Residential	"000094	126	Front	St.	OPEN
	New Life Center	"000146	707	Fair	St.	OPEN
DRY CLEANER						
	Almar Cleaners and Shoe Repair I	DC0004	857	Almar	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
	Pacific Dry Cleaners	DC0007	511	Cedar	St.	CLOSE
	Vapor Cleaners	DC0006	285	Water	St.	OPEN
ENGINE STEAM CLEANING	Isiah's Auto Detailing	ESC001	1025	Water	St.	CLOSE

CLASS	IU Name	IU Number	Business Address			STATUS
FLEET TRANSPORTATION						
	ABC Sedans and Limousines	FT0008	P.O Box			CLOSE
	Beckman's Bakery (Fleet)	FT0007	104	Bronson	St.	OPEN
	Goodwill Industries	FT0001	350	Encinal	St.	OPEN
	Graniterock-Concrete Production Yard	FT0002	303	Coral	St.	OPEN
	Las Animas Concrete	FT0003	146	Encinal		OPEN
	Producers Dairy	FT0005	104	Bronson	St.	CLOSE
	U.S. Post Office	FT0009	850	Front	St.	OPEN
	United Parcel Service	FT0006	251	Sylvania	Ave.	OPEN
	Yellow Cab Co.	FT0004	131	Front	St.	CLOSE
FOOD CATERING						
	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						
	Albertson's Grocery	"000131	911	Soquel	Ave.	CLOSE
	California Market	"000046	1616	Market	St.	CLOSE
	Days Market Liquors & Deli	"000065	526	Seabright	Ave.	OPEN
	Del Mar Theatre	"000323	1124	Pacific	Ave.	CLOSE
	Del Pueblo Market	"000067	2118	Soquel	Ave.	OPEN
	Dos Mini Market	"00069	1822	Soquel	Ave.	CLOSE
	Esperanza Market	"000083	341	Ocean	St.	OPEN
	Irenes Kitchen & Deli	"000107	354	Washington	St.	CLOSE
	La Esperanza Market	"000082	1204	Mission	St.	OPEN
	Linda Vista Market	"000126	2404	Mission	St.	CLOSE
	New Leaf Community-Mission St	"000145	2351	Mission	St.	OPEN

New Leaf Community-Pacific Avenue	"000144	1134	Pacific	Ave.	OPEN
Quality Market	"000173	221	Riverside	Ave.	OPEN
Safeway Stores on Mission	"000187	2111	Mission	St.	OPEN
Safeway Stores on Morrissey	"000186	117	Morrissey	Ave.	OPEN
Shoppers Corner/Meat Dept.	"000198	622	Soquel	Ave.	OPEN
Sun Market	"000207	220	Liebrandt	Ave.	OPEN
Zannottos Family Markets	"000249	700	Front	St.	CLOSE

GAS STATION

5th Ave Center Inc.	GAS023	2003	Mission	St.	OPEN
Andys BP/Gas & Shop	GAS002	2003	Mission	St.	CLOSE
Arco, Kwik Serve Gas Station	GAS017	1725	Mission	St.	OPEN
Beach City Gas Station	GAS003	1104	Ocean	St.	CLOSE
Beacon Gas Station #3735	GAS006	1516	Soquel	Ave.	CLOSE
Beacon Station, 1319 Ocean St., #3503 Valero	GAS004	1319	Ocean	St.	CLOSE
Beacon Station, 2202 Mission St., #3734	GAS005	2202	Mission	St.	CLOSE
Betty's Union Service	GAS010	433	Ocean	St.	CLOSE
Bobs Chevron Service	GAS008	805	Ocean	St.	CLOSE
Chevron-Mission Smog Repair	GAS009	823	Mission	St.	OPEN
Gas and Shop	GAS018	2003	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
Sav on Gasoline	GAS015	1415	Ocean	St.	OPEN
Shell Gas Station-Ocean St	GAS011	745	Ocean	St.	CLOSE
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	GAS021	2202	Mission	St.	
Valero Gas and Shop - Mission Street	GAS022	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						
	Anderson Pacific Engineering-Laurel Street Bridge	GW0002		Laurel Street Bridge		CLOSE
	Beach City Gas Station	GW0016	1104	Ocean	St.	CLOSE
	CALTRANS	GW0001		Mission	St.	CLOSE
	Conoco Phillips Service Station # 4818	GW0003	1505	Soquel	Ave.	OPEN
	Dominican Hospital	GW0012	610	Frederick	St.	OPEN
	Dominican Hospital	GW0006	610	Frederick	St.	OPEN
	Fins Coffee	GW0018	1104	Ocean	St.	OPEN
	Former Beach City Gas Station	GW0017	1104	Beach	St.	OPEN
	Granite Construction Company	GW0008	1280	Shaffer	Rd.	CLOSE
	Pacific States Environmental	GW0015	125	River	St.	OPEN
	Pacific States Environmental	GW0010	1010	Pacific	Ave.	CLOSE
	Pacific Union Apartments, Inc	GW0013	1010	Pacific	Ave	CLOSE
	Pacific Union Apartments, Inc	GW0011	1010	Pacific	Ave.	CLOSE
	Santa Cruz Industries	GW0004	411	Swift	St.	OPEN
	Ultramar Inc./Beacon Service Station # 735	0002GD	1516	Soquel	Ave.	CLOSE
	Vapor Cleaners Ground Water-Weber, Hayes & Associates	GW0005	285	Water	St.	OPEN
	Weber Hayes and Associates	GW0014	1415	Ocean	St.	OPEN
HOTEL						
	Best Western All Suites Inn	"000381	500	Ocean	St.	OPEN
	West Coast Santa Cruz Hotel	"000236	175	West Cliff	Dr.	OPEN
LABORATORY						
	Santa Cruz Biotechnology	NC0006	2161	Delaware	Ave.	OPEN

CLASS	IU Name	IU Number	Business Address			STATUS
LAUNDRY						
	Bei Scott Laundry	LY0001	815	Soquel	Ave.	OPEN
MANUFACTURING						
	Anadanzia	MF0003	2125	Delaware	Ave.	CLOSE
	Anatometal Inc.	MF0009	411	Ingalls	St.	OPEN
	Bonny Doon Winery	WINE01	328	Ingalls	Ave.	OPEN
	Dallas Electronics	MF0006	2151	Delaware	Ave.	OPEN
	E.V. Moceo	MF0005	1206	Fair	Ave.	CLOSE
	Good Earth Tea's	MF0002	831	Almar	Ave.	OPEN
	Harmony Foods	SIU001	2200	Swift	St.	OPEN
	Johnson Diversey Equipment	MF0004	2841	Mission	St.	OPEN
	Radiac Abrasives	MF0001	815	Almar	Ave.	CLOSE
	Santa Cruz Mountain Bikes	MF0010	104	Bronson	St.	OPEN
	Shens Gallery	0001MF	2117	Delaware	Ave.	OPEN
	Tobeys Rasp Service	MF0007	719	Swift	St.	CLOSE
	University Business Park (former Wrigley's Building)	MF0008	2801	Mission	St.	OPEN
MEDICAL LAB						
	Santa Cruz Medical Clinic	Phot05	2025	Soquel	Ave.	OPEN

CLASS	IU Name	IU Number	Business Address			STATUS
PHOTOFINISHER						
	Covello and Covello Photography	Phot04	602	Mission	St.	OPEN
	Longs Drugs (Front St.)	Phot01	600	Front	St.	OPEN
	Longs Drugs (Mission St)	Phot02	1700	Mission	St.	OPEN
	Rite Aid #5979	Phot06	901	Soquel	Ave.	OPEN
	Walgreen Drug Stores	Phot03	1718	Soquel	Ave.	OPEN
PRINTER						
	Santa Cruz County Sentinel	NC0002	207	Church	St.	CLOSE
	Santa Cruz Printery	PRT001	110A	Vernon	St.	OPEN
PUBLIC AGENCY						
	City of Santa Cruz Fleet Services	PA0005	1125	River	St.	OPEN
	City of Santa Cruz Water Treatment Plant	SIU002	715	Graham Hill	Rd.	OPEN
	City of Santa Cruz, Class III Landfill	NC0004	605	Dimeo	Ln.	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	PA0002	120	Golf Club	Dr.	OPEN
	Santa Cruz Metro Transit District	PA0001	1200	River	St.	OPEN
	Santa Cruz Metro Transit District	PA0003	111	Dubois	St.	OPEN
	University of California Santa Cruz	NC0005	1156	High	St.	OPEN
RECREATION VEHICLE REPAIR						
	RV Service Center of Santa Cruz	RVR001	2525	Mission	St.	OPEN
	RVs of Merritt	RVR002	1605	Soquel	Ave.	CLOSE

CLASS	IU Name	IU Number	Business Address			STATUS
RESTAURANT	418 Front Street Café	"000358	418	Front	St.	CLOSE
	A & W Family Restaurant	"000005	902	Ocean	St.	CLOSE
	Acapulco Restaurant	"000001	1116	Pacific	Ave.	OPEN
	Adolfs	"000002	525	Water	St.	OPEN
	Al Dente	"000003	415	Seabright	Ave.	OPEN
	Aldos Bakery and Pasta	"000004	841	Almar	Ave.	CLOSE
	Aldo's Bakery and Pasta	"000312	841	Almar	St.	CLOSE
	Aldos Restaurant	"000006	616	Atlantic	Ave.	OPEN
	Almar Grill	"000314	841	Almr	Ave.	CLOSE
	Anchor Deli	"000299	2332	Mission	St.	CLOSE
	Aqua Blu	"000400	1108	Pacific	Ave.	OPEN
	Asian Rose Café Downtown	"000008	1547	Pacific	Ave.	OPEN
	Asian Rose on Soquel	"000133	1116	Soquel	Ave.	CLOSE
	Bad Ass Coffee	"000145	1207	Pacific	Ave.	OPEN
	Baja Fresh	"000365	1133	Pacific	Ave.	OPEN
	Bakers Square Restaurant	"000012	1107	Ocean	St.	OPEN
	Barosa Grill	"000351	515	Cedar	St.	OPEN
	Baskin Robins	"000014	1917	Mission	St.	CLOSE
	Batik Café	"000422	1209	Soquel	Ave.	OPEN
	Batish House	"000015	1310	Mission	St.	OPEN
	Beach Street Café	"000017	399	Beach	St.	OPEN
	Beans	"000018	901	River	St.	CLOSE
	Beas Koffee Kup	"000016	1209	Soquel	Ave.	CLOSE
	Benten Restaurant	"000021	1547	Pacific	Ave.	OPEN
	Betty's Burgers	"000423	505	Seabright	Ave.	OPEN
	Between Two Slices	"000022	2226	Soquel	Ave.	CLOSE
	Big Js Pizza	"000023	845	Almar	Ave.	CLOSE
	Black China Bakery Café	"000375	1121	Soquel	Ave.	OPEN
	Blimpies	"000025	1024	Water	St.	CLOSE
	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

CLASS	IU Name	IU Number	Business Address			STATUS
RESTAURANT	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
	Boccis Cellar	"000040	140	Encinal	St.	OPEN
	Borders Café	"000289	1200	Pacific	Ave.	OPEN
	Bread Shop Granola	"000042	400	Beach	St.	CLOSE
	Bruno's BBQ	"000413	303	Protrero	St.	OPEN
	Buffalo Bill	"000354	107	Leonard	St.	OPEN
	Burger King on Mission Street	"000041	2015	Mission	St.	OPEN
	Burger King on Soquel Avenue	"000042	1302	Soquel	Ave.	OPEN
	Burrito & Oriental Express	"000043	920	Pacific	Ave.	CLOSE
	Café Bella Napoli	"000044	502	Water	St.	CLOSE
	Café Brazil	"000045	1410	Mission	St.	OPEN
	Café El Palomar	"000391	2222	East Cliff	Dr.	OPEN
	Cafe La Vie	"000404	429	Front	St.	OPEN
	Café Limelight	"000288	1016	Cedar	St.	OPEN
	Café Lola	"000340	1520	Mission	St.	CLOSE
	Café Mare	"000335	740	Front	St.	OPEN
	Callahans	"000047	507	Water	St.	OPEN
	Carpos	"000337	2018	Mission	St.	CLOSE
	Casa Blanca	"000048	101	Main	St.	OPEN
	Catalyst	"000049	1011	Pacific	Ave.	OPEN
	Center Street Grill	"000408	1001	Center	St.	OPEN
	Chai Brewers	"000051	306	Protrero	St.	CLOSE

CLASS	IU Name	IU Number	Business Address			STATUS
RESTAURANT	Charlie Hong Kong Noodles	"000193	1141	Soquel	Ave.	OPEN
	Chill Out Café	"000325	1222	Soquel	Ave.	OPEN
	China One Intl Buffet	"000352	525	Water	St.	CLOSE
	China Station	"000052	2301	Mission	St.	CLOSE
	China Szechwan Restaurant	"000053	221	Cathcart	St.	OPEN
	Chocolate	"000096	1522	Pacific	Ave.	OPEN
	Civic Center/Santa Cruz	"000054	307	Church	St.	OPEN
	Clouds Downtown	"000055	110	Church	St.	OPEN
	Club Caution	"000386	516	Front	St.	OPEN
	Coffeetopia	"000290	1723	Mission	St.	OPEN
	Coldstone Creamery	"000380	1129	Pacific	Ave.	OPEN
	Cooper St Café	"000056	725	Front	St.	CLOSE
	Costa Brava on Pacific Avenue	"000058	1222	Pacific	Ave.	OPEN
	Costa Brava on Seabright	"000057	505	Seabright	Ave.	CLOSE
	Costa Brava River St.	"000338	420	River	St.	OPEN
	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
	Cruisers	"000336	429	Front	St.	CLOSE
	Cypress Lounge	"000112	120	Union	St.	OPEN
	Daffo-Deli Pizza	"000064	125	Beach	St.	CLOSE
	De LaVeaga 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
	Dominicks Fish & Poultry	"000070	118	Coral	St.	CLOSE
	Dominoes Pizza	"000071	2391	Mission	St.	OPEN
	Donbo Restaurant	"000405	103	Lincoln	St.	OPEN
	Donnelly Fine Chocolates	"000177	1509	Mission	St.	OPEN
	Double Rainbow Café	"000072	1123	Pacific	Ave.	CLOSE
	E3 Playhouse	"000403	435	Front	St.	CLOSE

CLASS	IU Name	IU Number	Business Address			STATUS
RESTAURANT	El Centro Food Court	"000073	1108	Pacific	Ave.	CLOSE
	El Charrito Burrito	"000370	1024	Water	St.	CLOSE
	El Paisano Tamales	"000074	609	Beach	St.	OPEN
	El Palomar	"000075	1336	Pacific	Ave.	OPEN
	El Salvadoreno Restaurant	"000076	2106	Mission	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
	Eriks Deli Café	"000081	712	Front	St.	OPEN
	Eriks Deli, Coral Street	"000080	365	Coral	St.	CLOSE
	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.	OPEN
	Foster Freeze on Laurel Street	"000091	229	Laurel	St.	OPEN
	Freddys Taqueria	"000093	325	Barson	St.	CLOSE
	Fresh Prep Kitchens	"000401	504-A	Front	St.	OPEN
	Gabriella Café	"000095	910	Cedar	St.	OPEN
	Garage Sports Bar	"000321	603	Front	St.	CLOSE
	Gelatomania	"000374	110	Cooper	St.	OPEN
	Golden City	"000320	1230	Mission	St.	OPEN
	Golden West Restaurant	"000098	909	Ocean	St.	CLOSE
	Greek Orthodox Church	"000373	223	Church	St.	OPEN
	Hacienda Taqueria	"000355	303	Beach	St.	OPEN
	Harbor High School	"000311	300	La Fonda	Ave.	OPEN
	Harvey West Clubhouse	"000099	325	Evergreen	St.	OPEN
	Harvey West Clubhouse	"000301	325	Evergreen	St.	OPEN
	Health Services Agency	"000104	1080	Emiline	St.	CLOSE
	Herland Café	"000100	904	Center	St.	CLOSE
	Hernandez Market	"000345	354	Washington	St.	OPEN
	Hindquarter Bar & Grill	"000101	303	Soquel	Ave.	OPEN
	Hobees Santa Cruz	"000102	740	Front	St.	CLOSE

CLASS	IU Name	IU Number	Business Address			STATUS
RESTAURANT	Holiday Inn Santa Cruz	"000103	611	Ocean	St.	CLOSE
	Homeless Community Resource Center	"000360	115	Coral	St.	OPEN
	Hoots Yogurt	"000307	827	Water	St.	CLOSE
	House of Bread	"000303	1101	Pacific	Ave.	OPEN
	Ideal Bar & Grill	"000105	106	Beach	St.	OPEN
	Il Trullo, Italian Restaurant	"000398	503	Water	St.	CLOSE
	Ixtayopan Ice Cream and Coffee	"000368	1224	Soquel	Ave.	CLOSE
	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.	OPEN
	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
	Jitlada	"000328	107	Leonard	St.	CLOSE
	Joes Pizza & Subs	"000115	841	Branciforte	Ave.	OPEN
	Johnny's Harborside	"000389	493	Lake	Ave.	OPEN
	Juice Hut	"000116	2381	Mission	St.	CLOSE
	Jumpin Juice Java	"000396	1010	Pacific	Ave.	OPEN
	Jumping Monkey Cafe	"000395	418	Front	St.	OPEN
	K2 Café & Bistro	"000117	104	Bronson	St.	CLOSE
	Kelly's French Pastry	"000344	401	Ingals	St.	OPEN
	Kentucky Fried Chicken on Branciforte	"000120	841	Branciforte	Ave.	OPEN
	Kentucky Fried Chicken on Mission	"000119	1618	Mission	St.	OPEN
	Kiantis Pizza and Pasta	"000382	1100	Pacific	Ave.	OPEN
	King & I Thai Cuisine	"000313	1108	Pacific	Ave.	CLOSE
	King Chwan	"000121	415	Ocean	St.	OPEN
	Kuumbwa Jazz Center	"000122	320	Cedar	St.	OPEN
	L-8 Buffet	"000363	431	Front	St.	OPEN
	La Barrenada	"000357	313	Beach	St.	OPEN
	La Mission Restaurant	"000123	1719	Mission	St.	OPEN
	La Posada	"000124	609	Frederick	St.	OPEN

CLASS	IU Name	IU Number	Business Address			STATUS
RESTAURANT	La Posta	"000416	538	Seabright	Ave.	OPEN
	Las Palmas Taco Bar	"000125	55	Front	St.	OPEN
	Lava Rock Café	"000372	541	Seabright	Ave.	CLOSE
	Lifestyle Culinary Arts	"000420	101	Cooper	St.	OPEN
	Lilian's Italian Kitchen	"000418	1116	Soquel	Ave.	OPEN
	Lindas Seabreeze Café	"000127	542	Seabright	Ave.	OPEN
	Lisa's Bakery and Cafe	"000402	381	Soquel	Ave.	CLOSE
	Little Ceasers Pizza	"000366	233	Ocean	St.	OPEN
	Little Shanghai Restaurant	"000128	1010	Cedar	St.	OPEN
	Los Cabos Restaurant	"000281	313	Beach	St.	CLOSE
	Los Laureles	"000294	233	Ocean	St.	CLOSE
	Los Pinos	"000129	2019	Pacific	Ave.	OPEN
	Louden Nelson Center	"000130	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
	Manilla Turo Turo	"000155	1133	Pacific	Ave.	CLOSE
	Marcelos The Restaurant	"000135	1520	Mission	St.	CLOSE
	Mariannes Ice Cream	"000136	1220	Ocean	St.	OPEN
	Mariannes-Westside Production	"000327	2100	Delaware	#D	OPEN
	Marinis Downtown	"000137	1308	Pacific	Ave.	OPEN
	Masako Sushi	"000406	1520	Mission	St.	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
	Michaels Westside Café	"000141	1421	Mission	St.	CLOSE
	Mike's Deli	"000259	1222	Soquel .	Ave.	
	Mikes Deli and Café	"000257	1222	Soquel	Ave.	CLOSE
	Mission Hill Junior High Kitchen	"000399	425	King	St.	OPEN
	Mobo Sushi & The Moon	"000142	105	River	St.	OPEN
	Mountain Roastings Coffee	"000143	307	Beach	St.	CLOSE

CLASS	IU Name	IU Number	Business Address			STATUS
RESTAURANT	New Wing Wah	"000097	107	Leonard	St.	CLOSE
	Ninety Nine Bottles	"000147	110	Walnut	Ave.	OPEN
	Old Sashmill Café	"000150	303	Protrero	St.	CLOSE
	Omei Sichuan Restaurant	"000149	2316	Mission	St.	OPEN
	One Double Oh Seven	"000151	1007	Soquel	Ave.	CLOSE
	Oswalds	"000152	1547	Pacific	Ave.	CLOSE
	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.	OPEN
	Papagayo Mexican Restaurant	"000296	1116	Pacific	Ave.	CLOSE
	Parwana	"000346	1209	Soquel	Ave.	CLOSE
	Peach Garden	"000013	1733	Seabright	Ave.	OPEN
	Pearl Alley Bistro	"000156	110	Walnut	Ave.	OPEN
	Pearl Chinese Restaurant	"000157	538	Seabright	Ave.	CLOSE
	Pergolesis	"000158	418	Cedar	St.	OPEN
	Petes Coffee & Tea	"000159	1409	Pacific	Ave.	OPEN
	Petes Family Restaurant	"000160	2018	Mission	St.	CLOSE
	Pizza Amore	"000161	103	Cliff	St.	CLOSE
	Pizza Hut	"000163	1820	Mission	St.	CLOSE
	Pizza My Heart	"000164	1116	Pacific	Ave.	OPEN
	Planet Fresh Burritos	"000165	1003	Cedar	St.	OPEN
	Plantronics	"000412	345	Encinal	St.	OPEN
	Pleasure Point Pizza	"000342	1917	Mission	St.	CLOSE
	Poet & Patriot Irish Pub	"000166	320	Cedar	St.	OPEN
	Polar Bear Ice Cream	"000167	389	Coral	St.	OPEN
	Polar Bear Ice Cream on Soquel Ave.	"000168	1224	Soquel	Ave.	CLOSE
	Pontiac Grill	"000169	429	Front	St.	CLOSE
	Popas	"000170	2332	Mission	St.	CLOSE
	Portuguese Hall	"000171	716	Evergreen	St.	OPEN
	Positively Front Street	"000172	44	Front	St.	CLOSE
	Quiznos Sub	"000383	1010	Pacific	Ave.	OPEN
	R & R Burgers & Grill	"000424	1024	Water	St.	OPEN

CLASS	IU Name	IU Number	Business Address			STATUS
RESTAURANT	Rasoi	"000174	1218	Mission	St.	CLOSE
	Real Thai Kitchen	"000175	1632	Seabright	Ave.	OPEN
	Red Lantern	"000106	1001	Center	St.	CLOSE
	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	"000180	733	River	St.	CLOSE
	River Street Shelter	"000104	115	Coral	St.	OPEN
	Rock Café	"000331	104	Bronson	St.	CLOSE
	Rock N Tacos	"000181	381	Soquel	Ave.	CLOSE
	Rosie McCanns Irish Pub	"000182	1220	Pacific	Ave.	OPEN
	Round Table Pizza	"000183	1221	Mission	St.	CLOSE
	Royal Taj Indian Cuisine	"000184	270	Soquel	Ave.	OPEN
	Sa Tarng	"000343	2238	Mission	St.	CLOSE
	Sabieng Thai House	"000295	1218	Mission	St.	OPEN
	San Pablo Taqueria	"000362	429	Front	St.	CLOSE
	Santa Cruz Bible Church	"000188	440	Frederick	St.	OPEN
	Santa Cruz Billiards	"000189	325	Soquel	Ave.	CLOSE
	Santa Cruz Brewing Company	"000190	516	Front	St.	CLOSE
	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
	Santa Cruz Operations	"000192	400	Encinal	St.	CLOSE
	Santa Cruz Sports Bar & Grill	"000211	1003	Cedar	St.	CLOSE
	Sa-Tarng	"000334	2238	Mission	St.	OPEN
	Saturn Café	"000285	145	Laurel	St.	OPEN
	Saturn Café	"000194	1230	Mission	St.	CLOSE
	Scotty's Café	"000385	303	Protrero		CLOSE
	Seabright Brewery	"000195	519	Seabright	Ave.	OPEN
	Seabright Wine & Cheese	"000196	519	Seabright	Ave.	CLOSE
	Shogun Restaurant	"000287	1123	Pacific	Ave.	OPEN
	So Say We	"000199	418	Front	St.	CLOSE

CLASS	IU Name	IU Number	Business Address			STATUS
RESTAURANT	Soif	"000353	105	Walnut	Ave.	OPEN
	Sri	"000371	736	Water	St.	OPEN
	St Francis Kitchen	"000200	205	Mora	St.	OPEN
	Staff Of Life	"000201	1305	Water	St.	OPEN
	Stagnaro Bros. Seafood	"000202	320	Washington	St.	OPEN
	Starbucks Coffee	"000279	1335	Pacific	Ave.	OPEN
	Storr's Winery	"000308	303	Potrero	St.	OPEN
	Stortis Pizzeria	"000203	920	Pacific	Ave.	OPEN
	Straw Hat Pizza	"000390	1221	Mission	St.	CLOSE
	Subway Sandwiches	"000205	825	Pacific	Ave.	OPEN
	Subway Sandwiches	"000204	2215	Mission	St.	OPEN
	Sukeroku Japanese Restaurant	"000206	1701	Mission	St.	OPEN
	Sunshine Villa	"000208	80	Front	St.	OPEN
	Surf Bowl Café	"000209	115	Cliff	St.	CLOSE
	Sushi Totoro	"000407	1701	Mission	St.	OPEN
	Swagat Indian Cuisine	"000210	1723	Soquel	Ave.	CLOSE
	Sweet Spot	"000411	827	Water	St.	OPEN
	Szechwan Garden	"000212	617	Pacific	Ave.	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
	Tacos Morenos Two	"000217	303	Beach	St.	CLOSE
	Takara Japanese Restaurant	"000218	1800	Soquel	Ave.	CLOSE
	Tampico Kitchen	"000221	822	Pacific	Ave.	OPEN
	Tams Chinese Restaurant	"000219	2403	Mission	St.	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 La Mission	"000298	920	Pacific	Ave.	CLOSE
	Taqueria Los Pericos	"000409	139	Water	St.	OPEN
	Taqueria Santa Cruz on Mission Street	"000222	2215	Mission	St.	OPEN

CLASS	IU Name	IU Number	Business Address			STATUS
RESTAURANT	Taqueria Santa Cruz Two on Soquel Avenue	"000223	1002	Soquel	Ave.	OPEN
	Taqueria Tropical	"000377	325	Barson	St.	OPEN
	Taqueria Vallarta	"000364	1101	Pacific	Ave.	OPEN
	Taqueria Vallarta	"000224	608	Soquel	Ave.	OPEN
	Tarantella	"000341	400	Encinel	St.	OPEN
	Thai House	"000225	353	Soquel	Ave.	OPEN
	Thai Noodle House	"000397	2106 A	Mission	St.	OPEN
	Thai Orchid	"000348	2238	Mission	St.	OPEN
	The Buzz	"000090	415	River	St.	CLOSE
	The Kind Grind	"000392	2222	East Cliff	Dr.	OPEN
	The Noodle House	"000369	381	Soquel	Ave.	CLOSE
	Togos Eatery Mission Street	"000227	1917	Mission	St.	CLOSE
	Togos Eatery Ocean Street	"000282	902	Ocean	St.	OPEN
	Togos Eatery Pacific Avenue	"000228	1315	Pacific	Ave.	CLOSE
	Tokyo Shushi	"000332	381	Soquel	Ave.	CLOSE
	Tony & Albas Pizza	"000229	817	Soquel	Ave.	OPEN
	Trinideli	"000393	2222	East Cliff	Dr.	CLOSE
	Turkey Shack	"000134	139	Water	St.	CLOSE
	UCSC Building 1101 Pacific	"000333	1101	Pacific	Ave.	CLOSE
	UCSC Inn and Conference Center	"000350	611	Ocean	St.	OPEN
	Upper Crust Pizza	"000230	2415	Mission	St.	OPEN
	Vasilis	"000231	1501	Mission	St.	OPEN
	Vegas	"000309	325	Barson	St.	CLOSE
	Veterans Memorial Building	"000232	846	Front	St.	OPEN
	Walnut Avenue Café	"000233	106	Walnut	Ave.	OPEN
	Washrock	"000234	135	Laurel	St.	CLOSE
	Weinershnitzel	"000235	800	Soquel	Ave.	CLOSE
	Westside Café	"000243	2238	Mission	St.	CLOSE
	Westside Coffee Company	"000237	849	Almar	Ave.	OPEN
	Westside Thai Restaurant	"000253	2238	Mission	St.	CLOSE
	Wharf/ Andys End of the Wharf	"000300	71	SC Municipal Wharf		OPEN

CLASS	IU Name	IU Number	Business Address			STATUS
RESTAURANT						
	Wharf/Carniglias	"000238		Municipal Wharf		OPEN
	Wharf/Dolphin Restaurant	"000239		Municipal Wharf		OPEN
	Wharf/Gilberts Seafood Grill	"000240	460	Municipal Wharf		OPEN
	Wharf/Gildas Family Restaurant	"000241	494	Municipal Wharf		OPEN
	Wharf/Marinis Munchies	"000242		Municipal Wharf		OPEN
	Wharf/Miramar	"000243		Municipal Wharf		OPEN
	Wharf/Olitas Cantina & Grill	"000384	650	Municipal Wharf		OPEN
	Wharf/Riva Fish House	"000245		Municipal Wharf		OPEN
	Wharf/Seacloud Restaurant	"000246	650	Municipal Wharf		CLOSE
	Wharf/Stagnaro Bros. Seafood	"000247		Municipal Wharf		OPEN
	Wired Wash Café	"000356	135	Laurel	St.	OPEN
	Woodstock's Pizza	"000421	710	Front	St.	OPEN
	X'in Asian Bistro	"000379	841	Almar	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
	Zoccolis Pasta House	"000251	431	Front	St.	CLOSE

CLASS	IU Name	IU Number	Business Address			STATUS
SIGNIFICANT CATEGORICAL						
	Persys Engineering	CAT004	815	Swift	St.	OPEN
	Salz Leathers	CAT001	1040	River	St.	CLOSE
	Texas Instruments	CAT002	2300	Delaware	Ave.	CLOSE
	Yield Masters	003CAT	2501	Mission	St.	CLOSE
SIGNIFICANT NON CATEGORICAL						
	UCSC - 2300 Delaware (former TI building)	NC0007	2300	Delaware	Ave.	OPEN
	Texas Instruments - S.C. Design Center	TI0001	1201	Shaffer	Rd.	CLOSE

SECTION V. 2007 FOURTH QUARTERLY STATUS REPORT

The following section includes the compliance table and summary of industrial users in violation of applicable pretreatment standards in the fourth quarter of 2007.

V. 2007 FOURTH QUARTERLY STATUS REPORT

Narrative summary

Persys Engineering – exceeded the local limit for Copper one time during the fourth quarter of 2007. A verbal warning was issued to Persys with the plan to resample within 45 days of the violation. This report is being prepared within that window of 45 days.

CITY OF SANTA CRUZ
WWTF PRETREATMENT PROGRAM REPORT
QUARTERLY STATUS REPORT, Fourth Quarter, 2007

INDUSTRIAL USER NAME & ADDRESS	COMPLIANCE STATUS	PREVIOUS QUARTERS NOT IN COMPLIANCE	PARAMETER	REPORTED LEVEL (mg/l)	LIMIT VIOLATED (mg/l)	FLOW	CORRECTIVE/ ENFORCEMENT ACTIONS
Persys Engineering Inc 815 Swift Street Santa Cruz, CA 95060	B	0	Copper	0.6	0.5	A	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

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).
D. On a compliance schedule.
E. Not achieving compliance and not on a compliance schedule.
F. Unknown.

Compliance Determination
1) POTW Sampling
2) IU Self-Monitoring
3) Combination-1 & 2
4) Other (explain)

SECTION VI . SUMMARY OF COMPLIANCE AND ENFORCEMENT ACTIVITIES

The following pages summarize the compliance and enforcement activities relating to the permitted industrial users within the purview of the City of Santa Cruz Pretreatment Program during the calendar year 2007. The section also includes a table describing the enforcement activities of all permitted industries in the area.

VI. SUMMARY OF COMPLIANCE AND ENFORCEMENT ACTIVITIES

ALMAR CLEANERS - was in compliance throughout 2007. As of August, 2007 they discontinued using Perchlorate. They switched to DF-2000 Fluid, a synthetic aliphatic hydrocarbon. Their permit expired on 12/31/07 and was not renewed due to the discontinued use of perchlorate.

AQUARIUS BOAT WORKS – inconsistently achieved compliance throughout 2007. City monitoring results from June 6, 2007 show a copper violation. The copper concentration was 1.9ppm which violates the City limit of 0.75ppm. A Notice of Violation (NOV) was issued on June 19, 2007, requiring them to re-sample and submit the analytical data by July 18, 2007. Data was received on July 17, 2007. Subsequent City monitoring and self-monitoring results were in compliance with the City's local limits throughout the remainder of 2007.

BARITEAU'S DRY CLEANING - was in compliance throughout 2007.

BEACH CITY GAS STATION - (Groundwater Discharger) – was issued a two year groundwater discharge permit, # GW0018, on 10/27/06. This site remained under construction for the remainder of 2006 and most of 2007. During this time the ground water extraction and treatment system was removed with zero discharge to sewer. On December 1, 2007 Fin's Coffee was completed and opened for business. Construction and implementation of a new groundwater extraction, treatment, and discharge system for this site remained incomplete for the remainder of 2007.

CLASSIC CLEANERS – was in compliance throughout 2007.

DEL MAR CLEANERS – was in compliance throughout 2007. As of January, 2007 they discontinued using perchlorate. They switched to DF-2000 Fluid, a synthetic aliphatic hydrocarbon. Their permit expired on 12/31/07 and was not renewed due to the discontinued use of perchlorate.

HARMONY FOODS – was in compliance throughout 2007.

PERSYS ENGINEERING – was in compliance throughout 2007.

SANTA CRUZ BIOTECHNOLOGY - was in compliance throughout 2007.

SANTA CRUZ CLASS III LANDFILL – was in compliance throughout 2007. Their permit expired on 9/14/07. They were issued a new permit on October 11, 2007.

SANTA CRUZ SENTINEL - was in compliance throughout 2007. The Sentinel Press stopped on Sunday April 29, 2007, and the newspaper operations were moved to San Jose. The site was inspected twice, on September 27, and October 5, 2007, to assess the site and ensure that all hazardous materials were adequately manifested and disposed of. Coordination for the site closure involved the Santa Cruz County Environmental Health who oversaw closure of the site. The building was vacated by December 31st, 2007. The Sentinel permit expired on January 14, 2008.

SANTA CRUZ WATER PLANT (Graham Hill Rd) – was in compliance throughout 2007.

SANTA CRUZ WATER DEPARTMENT (Pilot Desalination Plant) – This project remained under planning and construction throughout 2007.

SHELL SERVICE STATION – On January 10th, 2007, Delta Environmental Consultants requested termination of Shell Service Station groundwater discharge permit # GW007. On February 1, 2007 a letter was issued to Jeff Whitworth, Environmental Engineer – Shell Oil Products US, which officially terminated the ground water discharge permit for this site. There was no operational groundwater remediation at this site during 2007. Delta Environmental Consultants, on behalf of Shell Oil, will continue to evaluate alternative remediation for this site.

U-DO-IT CAR WASH – was in compliance throughout 2007. The wastewater Discharge Permit # NC0007, for this site, was subject to review for renewal on Jan 31, 2008. After reviewing the local limit discharge compliance data for the past three years it was determined that a wastewater discharge permit would no longer be necessary for this site. A letter was issued on December 6, 2007 to Norman Bei, owner of U-Do-It Car Wash, informing him of the pending non permit status for this site.

UNIVERSITY OF CALIFORNIA AT SANTA CRUZ (UCSC) – was in compliance throughout 2007.

VALERO (MISSION ST.) – has continued using in-situ oxygen diffusion groundwater treatment remediation for this site. There has been zero discharge to sewer from this site throughout 2007. Valero has opted to maintain an active groundwater discharge permit until the expiration date of September 1, 2008.

VALERO (SOQUEL AVE.) – In February 2007 environmental management for this site was transferred from Delta Environmental Consultants to Kadence Environmental Consultants. Valero, Soquel Ave., was in compliance throughout 2007.

VAPOR CLEANERS - was in compliance throughout 2007. As of November, 2007 they discontinued using perchlorate. They switched to DF-2000 Fluid, a synthetic aliphatic hydrocarbon. Their permit expired on 12/31/07 and was not renewed due to the discontinued use of perchlorate.

2007 Permitted User Inspection/Monitoring Summary

Industry	Quarter	P.O.T.W. Monitoring	Self Monitoring	Inspections	Compliance Status	Summary Activities
Almar Cleaners	1	0	1	0	A,2	See attachment
	2	0	0	0	A,2	"
	3	1	0	1	A,1	"
Aquarius Boat Works	2	1	1	1	B,1	"
	3	0	1	0	A,2	"
	4	1	1	1	A,3	"
Bariteau's Dry Cleaning	1	0	1	0	A,2	"
	2	1	0	0	A,1	"
	3	0	1	1	A,3	"
Beach City Gas Station	1	0	0	0	A,4	"
	2	0	0	0	A,4	"
	3	0	0	0	A,4	"
	4	0	0	0	A,4	"
Classic Cleaners	1	0	1	0	A,2	"
	2	1	0	0	A,1	"
	3	0	1	1	A,2	"
Del Mar Cleaners	1	0	0	0	A,2	"
	2	0	0	0	A,2	"
	3	1	0	1	A,1	"
Harmony Foods	1	1	1	1	A,3	"
	2	0	1	1	A,2	"
	3	0	1	0	A,2	"
	4	0	1	0	A,2	"
Persys Engineering	2	0	1	0	A,2	"
	4	1	1	1	A,3	"

2007 Permitted User Inspection/Monitoring Summary

Industry	Quarter	P.O.T.W. Monitoring	Self Monitoring	Inspections	Compliance Status	Summary Activities
Santa Cruz Biotechnology	2	0	1	0	A,2	"
	4	1	1	1	A,3	"
Santa Cruz Class III Landfill	2	1	0	0	A,1	"
	3	1	0	1	A,1	"
	4	0	0	0	A,1	"
Santa Cruz Sentinel	1	0	1	0	A,2	"
	2	0	1	0	A,2	"
	3	0	0	1	A,2	"
	4	0	0	1	A,2	"
Santa Cruz Water Plant	1	1	13	1	A,3	"
	2	0	13	0	A,2	"
	3	0	13	0	A,2	"
	4	0	13	0	A,2	"
Shell Gas Station	2	0	0	0	A,4	"
	4	0	0	0	A,4	"
U-Do-It Car Wash	2	0	1	0	A,2	"
	4	1	1	1	A,3	"

 2007 Permitted User Inspection/Monitoring Summary

Industry	Quarter	P.O.T.W. Monitoring	Self Monitoring	Inspections	Compliance Status	Summary Activities
University of California at Santa Cruz	1	1	1	1	A,3	See attachment
	2	0	1	0	A,2	"
	3	0	1	0	A,2	"
	4	0	1	0	A,3	"
Valero, former Beacon Station Mission Street	1	0	3	0	A,2	"
	4	0	0	1	A,4	"
Valero, former Beacon Station Soquel Avenue	1	0	3	0	A,2	"
	2	0	1	0	B,2	"
	3	0	1	0	B,2	"
	4	1	2	1	A,3	"
Vapor Cleaners	1	0	1	0	A,2	"
	2	1	0	0	A,1	"
	3	0	1	1	A,2	"

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

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).
D. On a compliance schedule.
E. Not achieving compliance and not on a compliance schedule.
F. Unknown.

Compliance Determination
1) POTW Sampling
2) IU Self-Monitoring
3) Combination-1 & 2
4) Other (explain)

SECTION VII. PRETREATMENT PROGRAM CHANGES

VII. Pretreatment Program Changes

The following section is a narrative of the most significant program changes to the City's Pretreatment Program during 2007. These changes including the following:

1. Development of influent level concentrations for trace organic compounds for recalculating Local Limits and Maximum Allowable Headworks Limits (MAHLs)
2. Development of diversion strategies for pharmaceuticals as pollutants refractory to conventional wastewater treatment processes.

Local Limits and MAHLs:

An internal program audit in 2005 revealed that the program needed to recalculate the data used to derive the local limits because several major dischargers into the treatment plant had left the city. These industrial dischargers contributed a significant proportion of the data used to derive the MAHLs prior to 1998, and therefore they influenced the values derived for the local limits. In addition, the County Sanitation District performed significant maintenance activities on the conveyance system into the facility and reduced the flow and strength of sewage previously attributed to the county. Therefore the program informed the pretreatment compliance auditors of these changes and secured funding to recalibrate the numeric and narrative values comprising the Local Limits. The exercise which began with selected sampling of conventional pollutants from trunklines feeding the headworks in 2006, began to acquire data on trace organic compounds in 2007. These data are presented in tabular form earlier in this report (See Section 1:
(at Data derived from integrative sampling; for trace organics begin with the table below)).
The next steps in the Local Limits development process will require the selection and engagement of professional engineering/consultancy services, which will begin in the next fiscal year.

Development of Diversion strategies for pharmaceuticals from the wastewater treatment train:

The program instituted the collection and safe disposal of these compounds by installation of vaults at pharmacies and at the local Police Department in October 2007. This development followed comprehensive data review of the plant's (and similar treatment facilities) ability to remove trace organic compounds; pharmaceuticals and other personal care products after initiating integrative sampling at the influent and effluent of the facility in 2006 and 2007. Best management practices appear to be very effective low-cost mechanisms to control these compounds, which are refractory to treatment and challenging to quantify, and to prevent their pass-through. Working with

other agencies and the California legislature a bill supporting the collection and responsible diversion of pharmaceuticals from the wastewater treatment stream was conceived and signed into law by the state governor in October 2007.

The Pretreatment program had initiated the deployment of an integrative sampling technology into monitoring for trace and toxicologically significant compounds. This deployment will continue to allow the appropriate analyses of these compounds and will allow an accurate assessment of the ability of our programs to prevent pass-through. Prior methodologies had relied upon grab sampling and often returned data at censored levels. As a result of the City's efforts to improve its monitoring responsibilities to the Ocean Plan, these devices were acquired for the lab and the pretreatment programs. Results of these deployments will be useful in refining the local limits for dischargers to the facility.

SECTION VIII. PRETREATMENT PROGRAM BUDGET SUMMARY

VIII. PRETREATMENT PROGRAM BUDGET SUMMARY

The Pretreatment Program Budget for the fiscal year 2007/2008 included:

Salaries and Benefits	**$305,639**
Supplies and Services	**$63,450**
Capital Outlay	**$0**
Total	**$369, 089**

Current Equipment Includes:

1. 3 composite samplers
2. 3 trucks (shells, racks, sliding beds, crane/hoist)
3. 3 digital cameras
4. 1 digital camcorder
5. 2 Polaroid cameras
6. 1 van sample refrigerator
7. 2 portable pH meters
8. 1 Delta-Tox mobile toxicity analyzer
9. 1 Laptop computer (Outreach)
10. 3 portable storm water analytical kits
11. 2 portable 4-way gas meters
12. 3 computers
13. 1 office color laser printer
14. 1 HP Laser printer
15. Office furniture
16. Tool boxes
17. 1 pretreatment software package
18. 1 portable (continuous) pH meter
19. 1 portable flow meter
20. 1 deionized water system
21. 1 Labware© wash machine
22. 1 conductivity meter
23. 2 portable peristaltic pumps
24. 1 refrigerator
25. 1 ice machine
26. 4 pagers

And miscellaneous tools and equipment.

SECTION IX. PUBLIC PARTICIPATION

IX. 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 2007.

The annual publication of significant violators for the year 2007, as required by 40 CFR 403.8(f)(2)(vii), was accomplished in February 2008.
A scanned copy of the proof of publication is attached to this section of the report.

The program's **Clean Ocean Business (COB)** published the list of businesses whose adherence to the best management practices (BMP) prescribed by the program have advanced the goals of maintaining the integrity of those systems. In addition to the publication of this annual list, the program makes decals for display by the businesses both as an incentive to the public to identify and support their efforts, as well as to invite other businesses to participate.

The program also initiated a concerted effort to divert unused pharmaceuticals from the sewer system after several studies and publications indicated their levels of pass-through and the deleterious effects in the discharge waters and sediments. The program funded and participated in the creation of a Community TV ad informing citizens of other and more responsible disposal options. These advertisements began to run in August 2007.

The Pretreatment program participated in the annual Currents, a regional program of information booths and interaction hosted by the Moss Landing Marine Laboratories to visitors and families. Program staff distributed information on activities and options to reduce and recycle waste products.

Environmental Compliance program staff provided Food Service Facilities with BMPs to address **FOG** (Food Oil and Grease) and mat washing issues to comply with Sewer and Storm Water Ordinances throughout 2007.

Environmental Compliance program staff and management participated at the annual **Public Works/Safety Day** in May 2007. An information booth including displays of posters, information on vehicle service facilities programs (VSF), landscaping, home maintenance activities with potential impacts on the sewer and storm water lines was manned by staff and management for the event.

Environmental Compliance program staff and management also participated at the annual **National Night Out** in May 2007. This annual event was coordinated by the Police Department and was used as an opportunity for the program to use an information booth to present posters, information on VSF, landscaping, home maintenance activities with potential impacts on the sewer and storm water lines.

SECTION X. CHANGES IN SLUDGE DISPOSAL

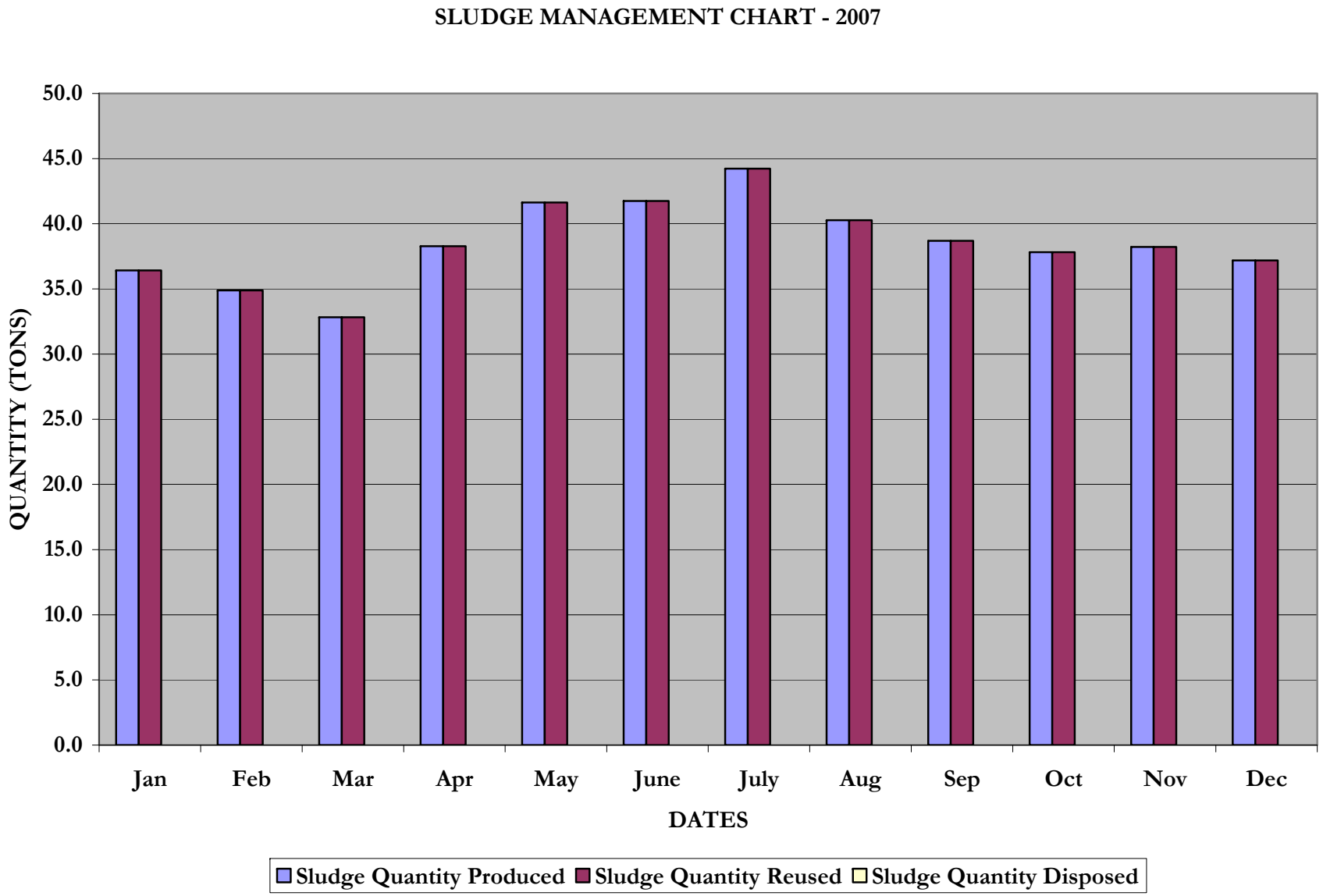
X. CHANGES IN SLUDGE DISPOSAL

There were no major changes to the City's sludge treatment and/or disposal program activities in 2007. The following data and charts are provided to illustrate the sludge loading and biosolids quality at the facility through the reporting period of 2007.

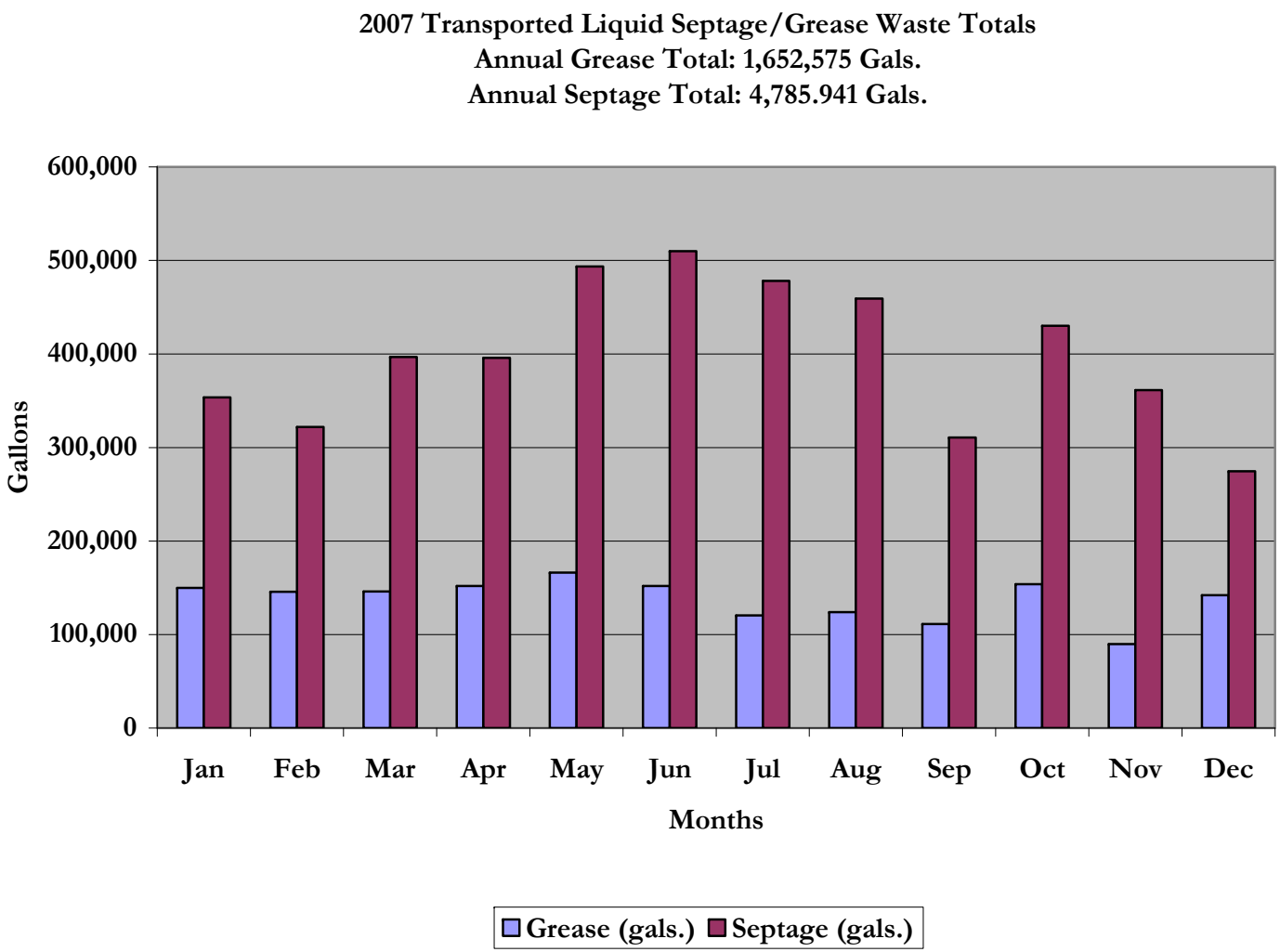
City of Santa Cruz Sludge Production and Disposal Data 2007

2007	Sludge Quantity	Sludge Reuse	Sludge Disposed
Months	Tons	Tons	Tons
January	36.4	36.4	0.0
February	34.9	34.9	0.0
March	32.8	32.8	0.0
April	38.3	38.3	0.0
May	41.6	41.6	0.0
June	41.7	41.7	0.0
July	44.2	44.2	0.0
August	40.3	40.3	0.0
September	38.7	38.7	0.0
October	37.8	37.8	0.0
November	38.2	38.2	0.0
December	37.2	37.2	0.0
Average	38.5	38.5	0
Max	44.2	44.2	0
Min	32.8	32.8	0
Count	12	12	12

Biosolids Quality from Bi-Monthly Sludge Monitoring	ANALYTICAL RESULTS IN WET WEIGHT ONLY						Hazardous Waste Limits (Max Allowable) mg/Kg Wet Weight TTLC
2007	1-May-07	4-Jun-07	1-Aug-07	1-Oct-07	3-Dec-07	Units	
Antimony	0.7	0.7	0.8	0.7	0.6	mg/kg	500.0
Arsenic	3.1	2.8	3.3	3.0	2.3	mg/kg	500.0
Asbestos	<1%	<1%	<1%	<1%	<1%	mg/kg	<1%
Barium	100	100	110	110	92	mg/kg	10,000.0
Beryllium	<0.5	<0.5	<0.5	<0.5	<0.5	mg/kg	75.0
Cadmium	0.6	0.55	0.6	0.6	0.5	mg/kg	100.0
Chromium	7.7	6.7	10	13	7.2	mg/kg	500.0
Cobalt	1.1	1.1	1.3	1.4	1.1	mg/kg	8,000.0
Copper	150	66	160	120	140	mg/kg	2,500.0
Fluoride	2.3	1.8	4.9	2.3	4.6	mg/kg	18,000.0
Lead	9.0	6.4	6.5	5.4	4.9	mg/kg	1,000.0
Mercury	0.27	0.28	0.4	0.3	0.2	mg/kg	20.0
Moisture	77.1%	80.0%	77.7%	75.6%	76.1%	%	
Molybdenum	2.3	2.6	2.4	2.5	2.0	mg/kg	35,000.0
Nickel	4.7	4.1	4.9	4.9	3.9	mg/kg	2,000.0
Nitrate-N	4.6	<1.0	3.3	7.0	4.4	mg/kg	
Nitrogen-Organic	9,000	8,900	9,000	9,400	9,000	mg/kg	
Nitrogen-Total Kjeldahl	11,000	11,000	11,000	12,000	11,000	mg/kg	
Nitrogen-Ammonia	2,300	2,500	2,400	2,200	2,200	mg/kg	
Selenium	1.5	1.4	1.5	1.6	1.3	mg/kg	100.0
Silver	4.4	5.0	4.5	6.5	6.2	mg/kg	500.0
Thallium	<0.5	<0.5	<0.5	<0.5	<0.5	mg/kg	700.0
Vanadium	7.0	5.8	7	8	7.4	mg/kg	2,400.0
Zinc	290	260	300	310	260	mg/kg	5,000.0



The remainder of the section contains the data and chart of the liquid waste and grease generated and managed by the treatment facility in 2007.


2007 Transported Liquid Septage/Grease Waste Totals
Annual Grease Total: 1,652,575 Gals.
Annual Septage Total: 4,785.941 Gals.
600,000
500,000
400,000
300,000
200,000
100,000
0
Gallons
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
Months
Grease (gals.)
Septage (gals.)

Liquid Waste Inventory Report - 2007		
Month	**Grease (gallons)**	**Septage (gallons)**
January	149,927	353,587
February	145,708	321,850
March	145,935	396,829
April	151,941	395,872
May	166,191	493,561
June	151,905	510,010
July	120,428	478,116
August	123,865	459,332
September	111,145	310,689
October	153,751	430,088
November	89,628	361,375
December	142,151	274,632
Totals	1,652,575	4,785,941

END OF PRETREATMENT ANNUAL REPORT 2007