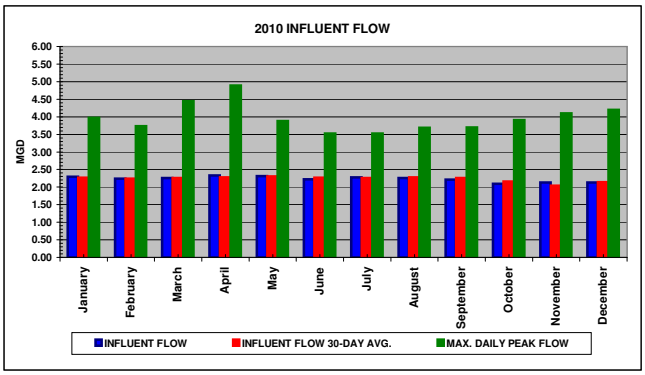
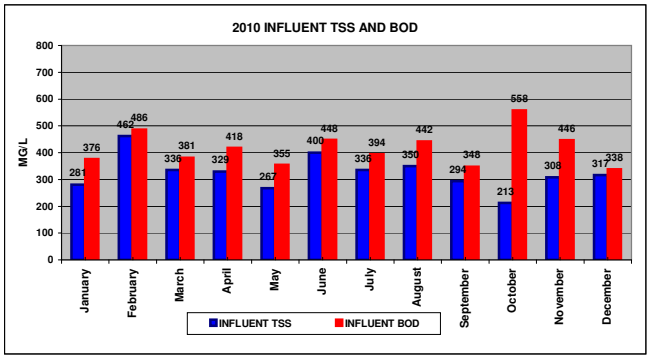
HOLLISTER WATER RECLAMATION FACILITY

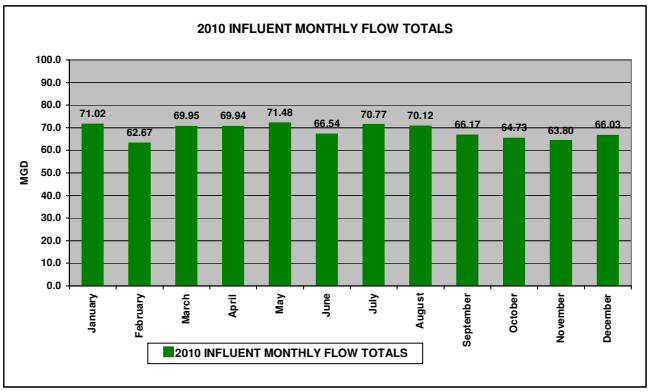
INFLUENT MONITORING RESULTS 2010

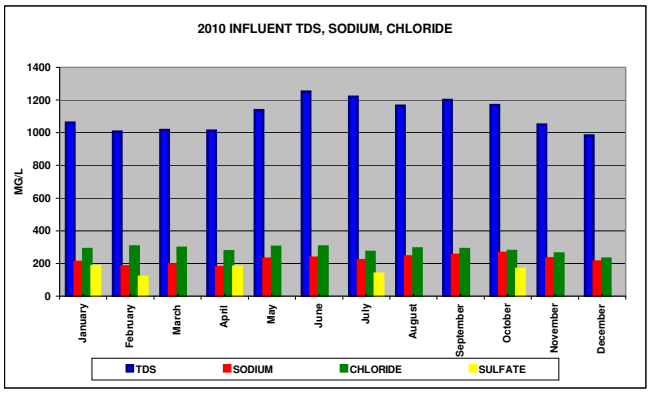
Test	FLOW	FLOW	30 Day Avg.	MAX.	TSS	BOD	Set. Solids	pH	KJELDAHL N	NITRATE-N	NITRITE-N	AMMONIA	Total Nitrogen	TDS	SODIUM	CHLORIDE	SULFATE
Units	MGD	MGD	MGD	MGD	mg/l	mg/l	ml/l	std. units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
Type	Reading	Flow Totals	Calculated	Reading	Composite	Composite	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Composite	Composite	Composite	Grab
Frequency	Daily	Monthly	daily	Daily	Weekly	Weekly	Weekly	Weekly		monthly		monthly	monthly	Quarterly	Quarterly	Quarterly	Quarterly
January	2.29	71.02	2.27	3.97	281	376	14	7.73	54.0	0.9	<0.1	34.2	55.0	1061	210	288	185
February	2.24	62.67	2.24	3.73	462	486	11	8.02	71.0	1.0	<0.1		72.1	1006	182	304	117
March	2.26	69.95	2.26	4.44	336	381	17	7.80	75.0	0.6	0.1	44.3	75.7	1017	194	296	
April	2.33	69.94	2.28	4.89	329	418	9	7.79	50.5	0.8	<0.1	25.2	51.4	1013	179	275	181
May	2.31	71.48	2.30	3.88	267	355	7	7.87	62.0	0.6	<0.1	44.1	62.7	1137	229	301	
June	2.22	66.54	2.27	3.52	400	448	14	7.91	69.0	1.0	<0.1	45.6	85.1	1252	235	304	
July	2.28	70.77	2.26	3.52	336	394	10	7.98	45.0	0.6	<0.1	43.0	45.7	1219	219	271	138
August	2.26	70.12	2.28	3.69	350	442	15	7.84	48.0	0.7	0.1	35.9	48.8	1165	243	292	
September	2.21	66.17	2.26	3.70	294	348	16	7.62	75.0	0.9	<0.1	61.1	76.0	1200	252	287	
October	2.09	64.73	2.16	3.91	213	558	16	7.67	63.0	1.0	ND	46.6	63.8	1169	264	277	166
November	2.13	63.80	2.04	4.10	308	446	14	7.63	64.5	1.0	ND	49.5	65.2	1050	232	260	
December	2.13	66.03	2.14	4.20	317	338	9	7.55	47.0	1.0	ND	37.0	47.6	982	211	229	
AVERAGE	2.23	67.77	2.23	3.96	324	416	13	7.78	60.3	0.8	0.1	42.4	62.4	1106	221	282	157
MAX.	2.33	71.48	2.30	4.89	462	558	17	8.02	75.0	1.0	0.1	61.1	85.1	1252	264	304	185
MIN.	2.09	62.67	2.04	3.52	213	338	7	7.55	45.0	0.6	ND	25.2	45.7	982	179	229	117
TOTAL	26.75	813.22															
SAMPLES	12	12	12	12	12	12	12	12	12	12	12	11	12	12	12	12	5

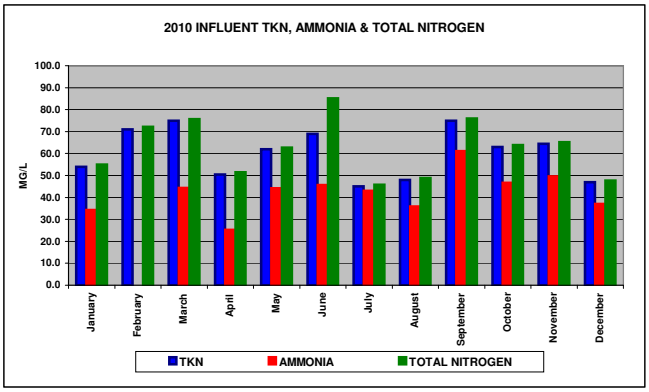
Test	Bromo-dichloromethane	Bromoform	Chloroform	Dibromo-chloromethane	Total Trihalomethanes	Dibromoacetic Acid	Dichloracetic	Monobromoacetic Acid	Monochloracetic Acid	Total Haloacetic Acids	Trichloroacetic Acid	Perchlorate	Boron
Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
Type	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab
Frequency	Quarterly	Quarterly	Quarterly	Quarterly	Quarterly	Quarterly	Quarterly	Quarterly	Quarterly	Quarterly	Quarterly	Quarterly	Quarterly
January	ND	ND	ND	ND	ND	4.9	5.4	ND	2.1	16.0	3.1	ND	0.7
February													
March													
April	1.0	2.2	2.4	1.8	7.4	7.0	11.0	ND	4.2	34.0	12.0	ND	0.8
May													
June													
July	ND	ND	1.1	ND	1.1	1.6	1.9	ND	ND	6.8	3.3	ND	0.7
August													
September													
October	ND	ND	4.8	ND	4.8	3.6	51.0	ND	8.6	220.0	150.0	ND	0.9
November													
December													
AVERAGE	1.0	2.2	2.8	1.8	4.4	4.3	17.3	ND	5.0	69.2	42.1	ND	0.8
MAX.	1.0	2.2	4.8	1.8	7.4	7.0	51.0	ND	8.6	220.0	150.0	ND	0.9
MIN.	ND	ND	ND	ND	ND	1.6	1.9	ND	ND	6.8	3.1	ND	0.7
TOTAL	1.0	2.2	8.3	1.8	13.3	17.1	69.3	ND	14.9	276.8	168.4	ND	3.1
SAMPLES	4	4	4	4	4	4	4	4	4	4	4	4	4


2010 INFLUENT FLOW
MGD
6.00
5.50
5.00
4.50
4.00
3.50
3.00
2.50
2.00
1.50
1.00
0.50
0.00
January
February
March
April
May
June
July
August
September
October
November
December
INFLUENT FLOW
INFLUENT FLOW 30-DAY AVG.
MAX. DAILY PEAK FLOW


2010 INFLUENT TSS AND BOD
MG/L
800
700
600
500
400
300
200
100
0
281
376
462
486
336
381
329
418
267
355
400
448
336
394
350
442
294
348
213
558
308
446
317
338
January
February
March
April
May
June
July
August
September
October
November
December
INFLUENT TSS
INFLUENT BOD


2010 INFLUENT MONTHLY FLOW TOTALS
MGD
100.0
90.0
80.0
70.0
60.0
50.0
40.0
30.0
20.0
10.0
0.0
71.02
62.67
69.95
69.94
71.48
66.54
70.77
70.12
66.17
64.73
63.80
66.03
January
February
March
April
May
June
July
August
September
October
November
December
2010 INFLUENT MONTHLY FLOW TOTALS


2010 INFLUENT TDS, SODIUM, CHLORIDE
MG/L
1400
1200
1000
800
600
400
200
0
January
February
March
April
May
June
July
August
September
October
November
December
TDS
SODIUM
CHLORIDE
SULFATE


2010 INFLUENT TKN, AMMONIA & TOTAL NITROGEN
MG/L
100.0
90.0
80.0
70.0
60.0
50.0
40.0
30.0
20.0
10.0
0.0
January
February
March
April
May
June
July
August
September
October
November
December
TKN
AMMONIA
TOTAL NITROGEN