commentletters - Comment Letter--Draft Construction Permit

From: "Joe Gannon" <jgannon@clearcreeksystems.com>
To: <commentletters@waterboards.ca.gov>
Date: Wednesday, June 11, 2008 10:16 AM
Subject: Comment Letter--Draft Construction Permit

Dear Ms. Townsend:

Please fined attached the ATS Working Group's written comments on the Proposed Draft Construction Permit and an attachment with site and background data.

Sincerely,

Joe Gannon
Clear Creek Systems, Inc.
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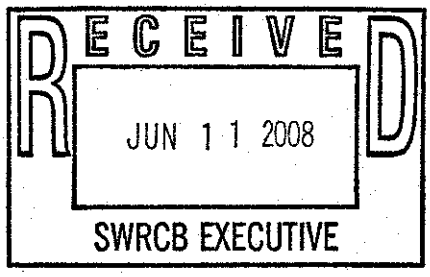

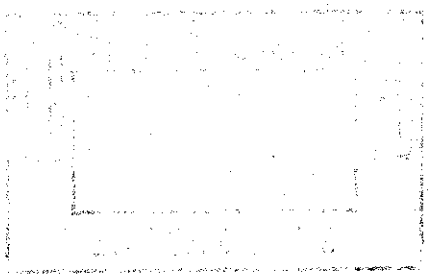

ATS Industry Comments on General NPDES Permit for Construction Activities, or Construction General Permit (CGP)

6-10-08

This document was prepared for the California State Water Resources Control Board in response to the draft General NPDES Permit for Construction Activities, or Construction General Permit (CGP). This document was prepared by stormwater treatment industry representatives (the "ATS Industry Workgroup") including:

Clear Creek Systems
Clear Water Compliance Services
HaloSource Inc.
ProTech Services Inc.

General Comments

We would like to note that, with the technical exceptions noted below, we strongly agree with the provisions of Final Draft GCP guidelines related to ATS. We believe the provisions for automated monitoring, trained and certified operators, residual testing for chemical additives, are appropriate to ensure safe operation of ATS and effectively meet water quality objectives and standards.

Comment #1. Regarding the 1000 NTU (page 4 item 16) and the 1000 NTU upper limit for the NEL (page 3, item 14).

The 1000 NTU limit is not based on accepted standards for protection of aquatic life, beneficial use, or reasonable water quality objectives.

Recognizing that Regional Water Boards will continue to establish water quality standards in Basin Plans, the 1000 NTU limit establishes a dangerous precedent. There is significant amount of scientific research that shows serious impacts occur at much lower turbidity levels. We are not specifying a specific method but include the information below for the Board's consideration.

While there are numerous sources in the literature describing the effects of turbidity on aquatic life and habitat, in the interest of brevity, we refer the following two examples:

Example 1. From TECHNICAL BASIS FOR REVISING TURBIDITY CRITERIA. Water Quality Division, Oregon Department of Environmental Quality, Tom Rosetta, October 2005

The Oregon DEQ report cites numerous studies documenting negative effects of short-term exposure of suspended sediment and turbidity increases to fish. The table below (from the OR DEQ 2005 "Modeled turbidity level effects on clear water fish" by Newcombe 2003), summarizes turbidity effects using a model "*with elements originating from past and current research, and based on extensive peer consultation and limited meta analysis of peer reviewed reports. Turbidity effects considered for the model include fish reactive distance, predator prey dynamics, egg and larval development growth rates, and habitat alteration effects.*"

Table 1.
Effects of Turbidity on Freshwater Fish

	Turbidity Levels *at* or *above* which Adverse Effects are estimated to occur to Clear Water Fish (NTUs)		
Duration	Slight impairment [behavioral effects]	Significant effects [to growth and habitat]	Severe impairment [habitat alienation]
1 hour	38	160	
2 hours	28	120	
3 hours	23	100	
8 hours	15	65	
24 hours	10	39	440
5 days	5	19	215
3 weeks	3	10	115
> 10 months		3	35

Example 2. From C.P. Newcombe, and D.D. MacDonald. 1991. Effects of Suspended Sediments on Aquatic Ecosystems. *North American Journal of Fisheries Management 11:72-82. 1991*

Lethal Effects - Mortality

- Rainbow Trout – (Acute) 200 mg/L for 24 hr leads to 5% mortality in fry
- Rainbow Trout – (Chronic) 21 mg/L for 48 days leads to 62% reduction in egg-to-fry survival
- Chinook Salmon – (Acute) 82k mg/L for 6 hr leads to 60% mortality of juveniles
- Chinook Salmon – (Chronic) 488 mg/L for 8 days leads to 50% mortality of smolts

Sublethal Effects - Reproduction

•Cutthroat Trout – 35 mg/L for 2 hr leads to feeding ceased, cover sought

•Coho Salmon – 300 mg/L for 1 hr leads to feeding ceased

Behavioral Effects – Modified Behaviors

•Whitefish – 0.7 mg/L for 1 hr leads to overhead cover abandoned

•Arctic Greyling – 100 mg/L for 1 hr leads to avoidance response

These studies clearly show that a 1000 NTU NEL will not be protective of aquatic life.

Note on measuring background turbidities: We recognize that a commonly raised criticism of background-based standards is that they can be difficult to measure; in our experience that is rarely the case. However, in order to deal with this issue, we recommend that a conservative limit be used to ensure protection of receiving waters in instances where the background levels cannot be ascertained. For example, the 65 NTU level where significant effects are observed in an 8 hour exposure, in Table 1 below. Where background levels can be measured they should be used. Given, for example, the collapse of the salmon runs in waters that are not even listed as impaired, we think this is especially important.

Note on sediment volumes: Additionally, it is useful to consider how much sediment given turbidity values correlate to:

Consider a 500 gpm flow at 1000 NTU, 8 hours a day for a 5 day week. Assume 1000 NTU = 1000 mg/L TSS (this is a conservative assumption).

500 gpm x 60 min x 8 hrs x 5 days = 1,200,000 gallons per week
1000 mg/L x 3.8 L/gal = 3800 mg/gal
1.2 M gal x 3800 mg/gal = 4560 kg or about 10,000 lbs
Assume a sediment density of 60 lbs/ ft3 (it would probably be lower since this would be unconsolidated)
10,000 lbs/60 lbs/ft3 = 167 ft3

This equals about six cubic yards of sediment per week or equivalent to a standard size dump truck pouring its load into a creek every two weeks.

This volume is consistent with what we see in ATS sedimentation basins or tanks.

Table 2
Typical ATS Performance and Background Turbidities

Project Location	Average Background Turbidity (NTU)	System Size (GPM)	Coagulant	Average Influent Turbidity (NTU)	Average Effluent Turbidity (NTU)
Kammerer Lane, CA	**90.2**	1800	Chitosan	**1517**	**15**
Pleasant Grove Creek, CA	**4.34**	600	Chitosan	**1088**	**1.8**
North Slough Creek, CA	**49.53**	600	Chitosan	**399**	**16**
Rancho Cordova, CA	**29.6**	600	Chitosan	**409**	**2.49**
Oceanside, CA	**196**	200	Chitosan	**255**	**0.5**
Roseville, CA	**33**	2400	Chitosan	**893**	**2.5**

We are also including, as an attachment to these comments, detailed water quality data for projects using ATS, in order to further quantify the typical range of water quality parameters, including background turbidities, seen during and after storm events.

Comment 2. We recommend that the CGP state that ATS is a BMP and BCT for construction storm water. This would help to ensure the evaluation of the proper range of BMP's and BCT's for construction project in order to appropriately reduce pollution in discharges. It has been our experience that an ATS is often not considered in evaluation of BMP's as part of a SWPPP. This is in part due to cost perceptions. We present real-world cost information below.

ECONOMIC CONSIDERATIONS

There has been much discussion about the costs of ATS. Most of the cost estimates used by other groups are not indicative of the real costs that members of our group have seen in operations. In addition, ATS costs have declined with innovations and refinements in the technology, which we expect to continue. Our review of real project data in California has shown that the average costs is well under 1% of the cost of a house or commercial building. Even on smaller lots less than 5 acres the costs does not exceed $8,000.00 per acre, and is normally much less, which would be less than 1% of the cost of a new house (using the housing density of 6 homes/acre). On properly planned larger projects the costs can easily be less than $2,000 per acre, or $333 per house. We would like to reiterate that this cost ensures the protection of receiving waters; it is not merely incremental step that does not adequately protect the receiving water and aquatic environment.

The following are typical costs for actual projects in California, provided to give a reference point.

Table 3
Cost and Performance for Typical Projects Utilizing ATS

Project Location	Project Size (AC)	System Size (GPM)	Coagulant	Range Influent Turb. (NTU)	Effluent Turb. (NTU)	Cost/Acre
Kammerer lane	**105**	1800	Chitosan	**548-4792**	15	**$3,267.00**
Pleasant Grove Creek	**20**	600	Chitosan	**846-1780**	1.8	**$6,000.00**
Lincoln CA	**40**	600	PAC	**300-800**	23	**$2,883.00**
Roseville CA	**800**	2400	DADMAC	**600-1000+**	12	**$ 750.00**
Oceanside, CA	**8**	200	Chitosan	**210-331**	0.5	**$3,775.00**

Roseville CA	**400**	2400	Chitosan	**365-1420**	2.5	**$1,758.00**

This demonstrates that, assuming six homes per acre, costs vary from $125 to $1000 per home.

Comment 3. The combined risk classification table be structured in such a way that a site using ATS is never higher than Level 3.

Comment 4. Attachment J should be removed. The information in the chart is already outdated and incorrect as the ATS technology is rapidly evolving.

Comment 5. Attachment E, page 1, 3.a

Current: *"Active Treatment Systems will be designed and approved by qualified personnel: CPESC, CPSWQ, registered civil or* ***other professional engineers*** *with a minimum of 10 years demonstrated construction stormwater treatment system design experience. "*

Recommendation: *..."CPESC, CPSWQ, registered civil engineer, professional engineer, or* ***others*** *with a minimum"...*

Comment 6. Attachment E, page 1.3.d

- **Current:** *"The discharger shall install and operate their ATS using personnel* ***with either a minimum of five years construction storm water experience or are licensed contractors specifically holding a California Class A Contractors license****."*

- **Recommendation:** *"The ATS installation and operation firm shall have five years construction storm water experience or be licensed contractors specifically holding a class A contractors license and all operational personnel must meet minimum training criteria listed herein."*

Attachment 1

Site 1

Date	Background Turbidity Recorded (NTU)	Background pH recorded	Background Specific Conductance(uS/cm)	Pond NTU	Pond pH	Pond Specific Conductance(uS/cm)
1/4/2008	155	6.43	53	4792	7.92	57
1/5/2008	144	6.46	65	4590	6.74	77
1/6/2008	105	5.91	55	3250	6.66	64
1/7/2008	57.9	6.24	79	3200	6.84	77
1/11/2008	69.16	6.16	81	N/A	N/A	N/A
1/15/2008	50.7	6.67	83	1302	6.8	86
1/16/2008	36.7	6.67	88	1078	6.99	88
1/17/2008	15.8	6.64	131	N/A	N/A	N/A
1/24/2008	77.4	6.51	76	910	7.14	65
1/25/2008	74.2	6.58	92	822	7.55	69
1/28/2008	66.5	6.92	71	802	7.37	77
1/29/2008	93	7.38	67	612	7.53	92
1/30/2008	210	7.24	79	574	7.54	96
1/31/2008	180	7.5	91	548	7.7	96
2/1/2008	162	7.13	126	524	7.46	88
2/4/2008	88.1	6.93	79	836	7.18	81
2/5/2008	74.7	7.05	82	694	7.26	79
2/6/2008	50.8	6.97	108	660	7.07	82
2/7/2008	46.2	7.11	111	593	7.2	86
2/8/2008	48.3	6.93	125	N/A	N/A	N/A
Average	**90.27**	**N/A**	**87.10**	**1516.88**	**N/A**	**80.00**

			System A			
Date (mm/dd)	Time (HH:MM)	PreTreat IN (NTU)	pH In	Tur Out (NTU)	pH Out	Flow
2/12	15:45	50.9	7.70	7.7	7.54	5556
2/12	15:30	50.5	7.74	5.3	7.53	7775
2/12	15:15	50.4	7.73	5.1	7.54	8023
2/12	15:00	50.9	7.72	4.9	7.54	8543
2/12	14:45	51.3	7.70	5.6	7.53	8710
2/12	14:30	51.3	7.67	5.4	7.55	8334
2/12	14:15	51.7	7.66	5.1	7.55	8059
2/12	14:00	52.4	7.64	4.9	7.53	8604
2/12	13:45	53.1	7.61	5.6	7.43	8753

2/12	13:30	53.5	7.51	5.6	6.99	5141
2/12	11:00	48.6	6.72	N/A	N/A	N/A
2/12	10:45	50.0	7.34	6.4	7.34	8384
2/12	10:30	50.0	7.20	6.1	7.24	8573
2/12	10:15	49.9	6.87	15.1	7.01	8711
2/12	10:00	52.9	6.50	29.9	6.70	5536
2/11	11:45	9.8	3.89	N/A	N/A	16
2/08	15:15	94.7	7.53	12.6	7.45	6213
2/08	15:00	95.1	7.53	8.8	7.44	8924
2/08	14:45	94.9	7.52	12.8	7.44	8831
2/08	14:30	95.3	7.50	8.8	7.42	8920
2/08	14:15	95.6	7.49	13.6	7.43	8820
2/08	14:00	95.1	7.48	9.3	7.42	8904
2/08	13:45	95.0	7.47	13.5	7.42	8852
2/08	13:30	96.6	7.44	9.4	7.39	8890
2/08	13:15	97.1	7.39	12.7	7.39	8881
2/08	13:00	97.1	7.41	11.6	7.39	9297
2/08	12:45	97.0	7.40	15.3	7.38	8404
2/08	12:30	97.0	7.38	9.9	7.38	8928
2/08	12:15	97.8	7.34	14.8	7.37	8889
2/08	12:00	98.6	7.31	10.8	7.34	8909
2/08	11:45	99.4	7.27	24.7	7.33	9231
2/08	11:30	99.8	7.23	31.6	7.29	8540
2/08	11:15	100.2	7.20	36.4	7.24	8303
2/08	11:00	100.3	7.11	25.7	7.17	7880
2/08	10:45	97.7	7.07	23.1	7.10	8647
2/08	10:30	97.4	6.87	17.3	6.92	8753
2/08	10:15	97.5	6.58	24.0	6.66	8696
2/08	10:00	89.8	5.56	N/A	N/A	1263
2/08	9:15	6.3	4.32	N/A	N/A	38
2/07	11:00	13.4	4.28	N/A	N/A	49
2/06	15:30	96.3	7.53	26.9	7.42	7443
2/06	15:15	96.4	7.52	25.4	7.38	8240
2/06	15:00	97.0	7.50	28.0	7.33	8165
2/06	14:45	98.4	7.47	18.8	7.31	8407
2/06	14:30	99.2	7.42	19.9	7.32	8484
2/06	14:15	99.7	7.33	30.4	7.32	8631
2/06	14:00	104.4	7.38	48.2	7.11	2457
2/06	13:45	111.3	7.07	N/A	N/A	126
2/06	13:30	136.6	7.26	42.2	7.33	8443
2/06	13:15	138.1	7.03	27.3	7.24	8353

2/06	13:00	134.2	6.20	12.7	6.98	1965
2/06	11:15	91.1	7.17	7.1	7.13	5269
2/06	11:00	89.7	7.12	14.7	7.11	7298
2/06	10:45	89.8	6.98	16.4	7.00	7075
2/06	10:30	89.5	6.54	12.5	6.88	7216
2/06	10:15	83.5	5.41	N/A	N/A	1051
2/05	16:15	98.2	7.50	23.8	7.38	1116
2/05	16:00	97.5	7.49	13.6	7.37	8825
2/05	15:45	98.5	7.48	11.5	7.38	8927
2/05	15:30	100.0	7.47	21.9	7.39	8645
2/05	15:15	101.8	7.47	13.5	7.37	8222
2/05	15:00	109.1	7.46	15.6	7.37	9047
2/05	14:45	123.9	7.45	20.2	7.37	8911
2/05	14:30	141.8	7.46	21.8	7.38	9185
2/05	14:15	142.8	7.45	37.4	7.35	8750
2/05	14:00	154.5	7.46	43.6	7.39	8769
2/05	13:45	160.0	7.46	47.5	7.43	9204
2/05	13:30	149.8	7.45	46.3	7.38	8694
2/05	13:15	151.4	7.45	32.2	7.39	7996
2/05	13:00	154.1	7.44	30.0	7.37	9431
2/05	12:45	154.7	7.43	32.7	7.37	9303
2/05	12:30	152.1	7.38	37.7	7.36	8531
2/05	12:15	155.7	7.37	31.9	7.35	8627
2/05	12:00	144.9	7.32	36.6	7.35	8924
2/05	11:45	148.5	7.26	36.5	7.32	8064
2/05	11:30	143.6	7.23	26.9	7.29	9024
2/05	11:15	149.6	7.17	33.4	7.27	8956
2/05	11:00	152.2	7.05	33.9	7.24	8683
2/05	10:45	137.6	6.92	23.9	7.18	8954
2/05	10:30	137.3	6.69	N/A	N/A	8392
2/05	10:15	103.1	6.47	34.8	6.83	8762
2/05	10:00	88.5	6.12	35.1	6.60	7565
2/04	17:00	130.7	7.58	18.9	7.53	7951
2/04	16:45	126.7	7.59	17.4	7.55	9465
2/04	16:30	109.5	7.61	15.5	7.56	8274
2/04	16:15	96.0	7.65	14.0	7.59	9148
2/04	16:00	99.6	7.65	15.7	7.59	8851
2/04	15:45	98.0	7.61	16.0	7.59	9107
2/04	15:30	95.6	7.61	14.5	7.57	8390
2/04	15:15	94.6	7.61	18.6	7.58	9303
2/04	15:00	95.9	7.59	15.2	7.56	8180

2/04	14:45	97.8	7.59	18.4	7.57	9541
2/04	14:30	102.3	7.57	19.7	7.56	8241
2/04	14:15	120.3	7.55	20.0	7.56	9164
2/04	14:00	131.7	7.54	24.4	7.55	8887
2/04	13:45	131.0	7.55	25.2	7.55	9143
2/04	13:30	130.4	7.50	18.6	7.54	8487
2/04	13:15	128.5	7.47	27.2	7.54	9332
2/04	13:00	128.6	7.40	18.6	7.49	8191
2/04	12:45	127.3	7.37	21.0	7.48	9536
2/04	12:30	123.4	7.22	23.2	7.39	8148
2/04	12:15	113.2	7.05	14.0	7.30	8682
2/04	12:00	75.0	6.97	8.4	7.13	8854
2/04	11:45	65.8	6.71	7.0	7.10	8747
2/01	15:45	124.5	7.51	N/A	N/A	2551
2/01	15:30	112.9	7.56	13.1	7.42	9213
2/01	15:15	81.0	7.58	12.1	7.42	9290
2/01	15:00	79.8	7.57	11.0	7.41	8230
2/01	14:45	80.0	7.57	10.3	7.39	9234
2/01	14:30	81.1	7.56	11.1	7.37	8666
2/01	14:15	82.2	7.46	10.7	7.36	9083
2/01	14:00	85.1	7.51	12.6	7.34	8789
2/01	13:45	95.9	7.44	19.9	7.32	9141
2/01	13:30	113.1	7.42	14.8	7.30	8256
2/01	13:15	118.6	7.43	24.3	7.28	9491
2/01	13:00	120.2	7.35	19.1	7.27	8260
2/01	12:45	116.0	7.30	17.6	7.26	9298
2/01	12:30	117.9	7.20	20.8	7.22	8614
2/01	12:15	115.2	7.02	15.0	7.20	9087
2/01	12:00	109.4	6.86	10.5	7.17	8863
2/01	11:45	81.4	6.76	7.8	7.13	9094
2/01	11:30	75.9	6.79	9.6	7.07	8848
2/01	11:15	76.1	6.86	13.8	6.91	9147
2/01	11:00	86.4	5.97	N/A	N/A	6954
1/31	18:15	126.9	7.56	10.0	7.41	1187
1/31	18:00	134.4	7.57	16.5	7.40	9631
1/31	17:45	128.9	7.56	24.6	7.41	8682
1/31	17:30	134.7	7.56	14.8	7.41	8794
1/31	17:15	134.5	7.56	25.2	7.41	9142
1/31	17:00	133.7	7.55	18.6	7.39	8727
1/31	16:45	133.0	7.55	17.3	7.39	9014
1/31	16:30	137.1	7.55	24.2	7.39	8956

1/31	16:15	133.2	7.54	18.8	7.39	8707
1/31	16:00	136.1	7.54	18.2	7.37	9251
1/31	15:45	134.7	7.54	20.7	7.37	8624
1/31	15:30	136.2	7.53	9.7	7.36	8819
1/31	15:15	136.7	7.53	23.8	7.38	9073
1/31	15:00	137.5	7.53	22.0	7.38	8731
1/31	14:45	139.5	7.52	22.0	7.36	9094
1/31	14:30	138.1	7.51	27.5	7.38	8893
1/31	14:15	138.3	7.49	22.8	7.36	8713
1/31	14:00	132.6	7.49	20.6	7.34	9238
1/31	13:45	126.2	7.49	20.9	7.36	8743
1/31	13:30	109.9	7.47	15.7	7.36	8899
1/31	13:15	87.8	7.46	18.4	7.34	9098
1/31	13:00	85.4	7.45	15.4	7.33	8767
1/31	12:45	85.7	7.42	14.2	7.29	9142
1/31	12:30	86.5	7.39	11.8	7.28	8895
1/31	12:15	86.2	7.34	12.3	7.28	8741
1/31	12:00	86.2	7.29	14.7	7.25	9289
1/31	11:45	86.2	7.16	14.1	7.22	8809
1/31	11:30	86.7	7.04	17.4	7.09	9348
1/31	11:15	86.0	6.85	17.6	6.90	8723
1/31	11:00	50.5	5.14	N/A	N/A	8843
1/31	10:45	6.1	3.85	N/A	N/A	1245
1/30	17:45	123.4	7.52	20.0	7.40	8039
1/30	17:30	126.5	7.53	25.8	7.41	9320
1/30	17:15	125.0	7.52	27.1	7.42	8607
1/30	17:00	122.0	7.51	24.0	7.40	8950
1/30	16:45	127.8	7.51	32.0	7.40	8750
1/30	16:30	131.1	7.50	37.8	7.40	8745
1/30	16:15	131.4	7.50	44.4	7.39	8511
1/30	16:00	152.6	7.46	34.6	7.39	8721
1/30	15:45	141.7	7.41	37.5	7.39	8872
1/30	15:30	143.4	7.34	40.8	7.38	8470
1/30	15:15	134.9	7.28	39.6	7.36	8407
1/30	15:00	140.0	7.24	38.3	7.33	8508
1/30	14:45	136.9	7.22	37.2	7.30	8491
1/30	14:30	138.9	7.15	34.8	7.28	8355
1/30	14:15	101.3	7.17	16.4	7.18	8337
1/30	14:00	82.2	6.60	12.0	6.85	6805
1/29	8:45	5.6	4.51	N/A	N/A	N/A
1/28	15:30	3.6	4.33	N/A	N/A	53

1/28	16:00	3.7	4.00	N/A	N/A	N/A
1/28	15:45	3.5	4.00	N/A	N/A	N/A
1/28	15:30	3.6	4.33	N/A	N/A	53
1/28	14:30	140.2	7.32	35.0	7.38	7889
1/28	14:15	130.4	7.31	43.7	7.37	8460
1/28	14:00	122.9	7.30	34.4	7.37	8352
1/28	13:45	122.9	7.28	36.4	7.35	8043
1/28	13:30	117.6	7.30	24.4	7.35	8149
1/28	13:15	114.0	7.28	25.8	7.33	8318
1/28	13:00	116.4	7.28	18.8	7.35	8533
1/28	12:45	120.7	7.24	33.9	7.34	8498
1/28	12:30	126.3	7.22	26.7	7.30	8141
1/28	12:15	121.4	7.16	28.5	7.30	8285
1/28	12:00	123.2	7.06	18.1	7.28	8372
1/28	11:45	130.1	7.10	24.3	7.24	8718
1/28	11:30	128.9	7.18	17.4	7.25	8078
1/28	11:15	111.4	7.13	12.9	7.20	8218
1/28	11:00	122.1	7.03	8.2	7.06	8257
1/28	10:45	84.5	5.49	8.2	6.69	6845
1/28	10:30	7.8	3.87	N/A	N/A	1043
1/28	9:45	8.0	3.87	N/A	N/A	N/A
1/25	19:15	28.9	7.40	2.0	7.24	3487
1/25	19:00	29.1	7.39	2.3	7.23	8647
1/25	18:45	29.5	7.38	2.1	7.24	8204
1/25	18:30	29.9	7.38	2.2	7.23	8363
1/25	18:15	30.8	7.39	2.0	7.22	8306
1/25	18:00	31.5	7.38	2.2	7.22	8400
1/25	17:45	31.6	7.38	2.2	7.21	8536
1/25	17:30	31.7	7.37	2.2	7.21	8383
1/25	17:15	31.6	7.36	2.0	7.19	8351
1/25	17:00	32.1	7.36	2.3	7.19	8741
1/25	16:45	33.4	7.36	2.1	7.17	8067
1/25	16:30	33.7	7.35	2.3	7.18	8383
1/25	16:15	34.5	7.36	2.0	7.17	8340
1/25	16:00	36.3	7.34	2.2	7.15	8416
1/25	15:45	41.1	7.34	2.6	7.13	8543
1/25	15:30	55.8	7.33	3.7	7.11	8341
1/25	15:15	75.9	7.34	2.7	7.11	8352
1/25	15:00	80.8	7.35	2.5	7.14	8431
1/25	14:45	74.1	7.35	2.5	7.14	8568
1/25	14:30	69.4	7.35	2.5	7.13	8395

1/25	14:15	66.8	7.34	2.4	7.11	8534
1/25	14:00	48.1	7.35	2.9	7.17	8782
1/25	13:45	37.5	7.34	2.4	7.17	7849
1/25	13:30	37.5	7.33	2.7	7.16	8406
1/25	13:15	26.9	7.33	2.7	7.17	8376
1/25	13:00	38.0	7.31	3.7	7.15	8844
1/25	12:45	39.5	7.28	3.1	7.15	7992
1/25	12:30	40.2	7.30	3.5	7.12	8359
1/25	12:15	42.1	7.29	3.0	7.14	8369
1/25	12:00	45.4	7.26	3.3	7.11	8414
1/25	11:45	58.1	7.26	3.6	7.09	8528
1/25	11:30	78.6	7.23	5.4	7.08	8281
1/25	11:15	85.8	7.20	4.1	7.06	8290
1/25	11:00	91.2	7.18	4.0	7.03	8384
1/25	10:45	92.8	7.14	6.3	7.02	8524
1/25	10:30	96.4	7.06	12.8	6.99	8294
1/25	10:15	90.3	7.08	10.4	7.00	8286
1/25	10:00	56.9	6.87	N/A	N/A	8367
1/25	9:45	59.9	6.00	N/A	N/A	2103
1/25	8:15	31.0	4.00	N/A	N/A	248
1/24	21:15	107.9	7.30	9.1	7.17	183
1/24	21:00	106.3	7.34	9.4	7.17	8218
1/24	20:45	105.7	7.35	9.7	7.17	8212
1/24	20:30	102.6	7.34	5.5	7.16	8371
1/24	20:15	103.0	7.35	16.1	7.15	8544
1/24	20:00	103.4	7.34	13.1	7.16	8199
1/24	19:45	112.3	7.34	17.9	7.15	8238
1/24	19:30	110.2	7.35	7.7	7.15	8310
1/24	19:15	110.9	7.35	7.3	7.14	8436
1/24	19:00	106.3	7.35	12.2	7.16	8487
1/24	18:45	103.5	7.36	15.6	7.15	8219
1/24	18:30	99.2	7.36	7.7	7.15	8330
1/24	18:15	110.5	7.36	9.5	7.17	8433
1/24	18:00	111.9	7.37	20.3	7.19	8460
1/24	17:45	117.7	7.35	31.2	7.20	8225
1/24	17:30	131.2	7.36	23.4	7.23	8300
1/24	17:15	147.9	7.36	33.0	7.23	8549
1/24	17:00	168.2	7.35	51.9	7.23	8326
1/24	16:45	178.1	7.33	63.9	7.25	8304
1/24	16:30	187.9	7.34	N/A	N/A	8421
1/24	16:15	176.4	7.32	N/A	N/A	8771

1/24	16:00	191.4	7.32	N/A	N/A	8195
1/24	15:45	177.8	7.28	N/A	N/A	8189
1/24	15:30	177.4	7.18	N/A	N/A	8076
1/24	15:15	172.0	6.37	N/A	N/A	5632
1/24	9:30	26.9	4.25	N/A	N/A	N/A
1/17	18:45	40.8	7.28	4.8	7.28	6478
1/17	18:30	40.9	7.30	5.6	7.28	8352
1/17	18:15	41.6	7.30	4.9	7.29	8344
1/17	18:00	41.6	7.29	5.1	7.28	8073
1/17	17:45	41.6	7.27	4.6	7.28	8154
1/17	17:30	41.7	7.29	5.1	7.30	8258
1/17	17:15	41.8	7.27	5.3	7.31	8337
1/17	17:00	42.4	7.30	5.2	7.34	8264
1/17	16:45	44.3	7.21	4.7	7.18	8178
1/17	16:30	61.7	7.23	5.3	7.19	8279
1/17	16:15	41.9	7.26	5.2	7.15	8411
1/17	16:00	114.3	7.13	N/A	N/A	5089
1/17	15:45	42.4	6.91	5.5	7.13	1739
1/17	15:30	42.3	7.04	4.7	7.13	8181
1/17	15:15	42.7	7.02	5.2	7.12	8279
1/17	15:00	42.9	6.97	5.3	7.14	8383
1/17	14:45	42.8	6.88	5.2	7.16	8313
1/17	14:30	42.8	6.80	4.6	7.14	8219
1/17	14:15	42.8	6.76	5.6	7.13	8446
1/17	14:00	42.7	6.68	4.8	7.12	8284
1/17	13:45	42.7	6.62	5.2	7.12	8135
1/17	13:30	43.5	6.62	4.5	7.13	8241
1/17	13:15	43.5	6.59	5.0	7.13	8320
1/17	13:00	44.1	6.64	5.2	7.13	8485
1/17	12:45	44.8	6.59	5.5	7.14	8283
1/17	12:30	46.9	6.72	5.1	7.15	8226
1/17	12:15	53.5	6.80	5.4	6.98	8308
1/17	12:00	62.8	6.88	5.4	6.99	8492
1/17	11:45	50.2	6.92	5.6	6.93	8223
1/17	11:30	45.9	6.90	N/A	N/A	8349
1/17	11:15	45.1	6.45	N/A	N/A	8398
1/17	11:00	33.2	3.90	N/A	N/A	1890
1/17	10:15	11.2	3.86	N/A	N/A	N/A
1/16	17:00	72.2	7.28	15.1	7.22	1835
1/16	16:45	92.2	7.34	17.2	7.21	8295
1/16	16:30	97.5	7.34	10.6	7.20	8390

1/16	16:15	97.1	7.33	12.1	7.18	8471
1/16	16:00	101.3	7.31	14.4	7.18	8267
1/16	15:45	95.0	7.30	16.5	7.18	8284
1/16	15:30	101.1	7.30	9.8	7.15	8342
1/16	15:15	94.8	7.29	7.8	7.11	8296
1/16	15:00	99.4	7.28	8.4	7.14	8312
1/16	14:45	99.1	7.27	8.6	7.13	8269
1/16	14:30	96.8	7.23	10.5	7.12	9034
1/16	14:15	99.4	7.21	7.8	7.08	7800
1/16	14:00	93.0	7.19	4.5	7.09	8179
1/16	13:45	79.5	7.18	3.4	7.08	7822
1/16	13:30	78.8	7.14	4.1	7.09	8727
1/16	13:15	76.0	7.09	3.7	7.06	8226
1/16	13:00	73.1	7.04	4.2	7.06	8159
1/16	12:45	73.6	6.96	4.0	7.08	7806
1/16	12:30	82.8	6.95	3.7	7.07	8579
1/16	12:15	84.0	6.96	4.1	7.07	8422
1/16	12:00	96.7	7.05	4.4	7.06	8270
1/16	11:45	89.4	7.03	3.3	7.05	7819
1/16	11:30	81.2	7.11	3.3	7.02	8620
1/16	11:15	69.7	7.06	3.4	7.03	8534
1/16	11:00	84.5	6.99	7.2	6.96	8350
1/16	10:45	84.7	6.88	32.3	6.91	8376
1/16	10:30	70.3	6.71	N/A	N/A	8779
1/16	10:15	36.4	5.63	N/A	N/A	1450
1/15	14:15	20.5	7.29	4.0	7.09	4979
1/15	14:00	21.3	7.28	4.3	7.10	8343
1/15	13:45	21.3	7.28	4.3	7.09	8375
1/15	13:30	21.2	7.28	3.6	7.08	8133
1/15	13:15	21.1	7.27	2.9	7.05	8218
1/15	13:00	21.6	7.27	3.4	7.08	8411
1/15	12:45	21.7	7.27	3.2	7.04	8399
1/15	12:30	21.8	7.26	3.2	7.04	8121
1/15	12:15	22.5	7.26	2.8	7.04	8216
1/15	12:00	23.4	7.27	3.1	7.04	8314
1/15	11:45	48.0	7.26	3.3	7.04	8457
1/15	11:30	26.0	7.24	3.2	7.03	8352
1/15	11:15	27.8	7.15	2.8	7.03	8267
1/15	11:00	33.5	6.97	N/A	N/A	8410
1/15	10:45	47.5	7.02	N/A	N/A	8561
1/15	10:30	33.6	6.98	N/A	N/A	8374

1/15	10:15	28.6	6.94	N/A	N/A	8242
1/15	10:00	27.4	6.79	N/A	N/A	8287
1/15	9:45	22.0	6.63	N/A	N/A	8040
1/15	9:30	59.6	5.94	N/A	N/A	3018
Totals						2642405
Average		87.3		15.1		
Median		95.0		12.7		
			System B			
Date (mm/dd)	**Time (HH:MM)**	**PreTreat In (NTU)**	**pH In**	**Tur Out (NTU)**	**pH Out**	**Flow**
2/12	15:45	52.1	7.66	8.5	7.62	5691
2/12	15:30	52.1	7.64	6.2	7.66	7484
2/12	15:15	51.4	7.62	6.1	7.64	7763
2/12	15:00	51.9	7.59	5.7	7.57	8189
2/12	14:45	52.4	7.57	6.4	7.57	8336
2/12	14:30	52.7	7.57	6.2	7.59	7974
2/12	14:15	52.7	7.53	5.8	7.55	7797
2/12	14:00	53.3	7.52	5.6	7.51	8214
2/12	13:45	54.0	7.43	6.5	7.52	8415
2/12	13:30	57.5	6.98	6.3	7.34	4529
2/12	11:00	50.9	7.26	7.1	7.35	345
2/12	10:45	50.8	7.28	7.1	7.18	8087
2/12	10:30	50.8	7.13	7.1	7.05	8271
2/12	10:15	50.7	6.30	16.6	7.00	8385
2/12	10:00	57.4	2.55	25.2	6.88	4882
2/08	15:15	93.6	7.60	13.9	7.59	6352
2/08	15:00	94.8	7.59	9.7	7.55	8636
2/08	14:45	94.9	7.57	13.9	7.55	8398
2/08	14:30	95.3	7.55	9.8	7.56	8642
2/08	14:15	95.6	7.54	14.6	7.56	8423
2/08	14:00	95.0	7.51	10.4	7.55	8640
2/08	13:45	94.8	7.50	14.6	7.54	8415
2/08	13:30	96.3	7.48	10.3	7.49	8624
2/08	13:15	96.9	7.44	13.7	7.50	8454
2/08	13:00	96.8	7.44	13.0	7.50	8991
2/08	12:45	96.8	7.40	16.0	7.50	8068
2/08	12:30	97.0	7.42	10.9	7.46	8644
2/08	12:15	97.7	7.35	15.9	7.43	8485
2/08	12:00	98.6	7.34	12.1	7.40	8654

2/08	11:45	99.2	7.30	25.9	7.40	8863
2/08	11:30	99.5	7.24	32.5	7.34	8171
2/08	11:15	100.1	7.21	36.1	7.29	7938
2/08	11:00	100.0	7.20	25.8	7.09	7622
2/08	10:45	97.6	7.18	24.5	6.97	8343
2/08	10:30	97.6	7.09	18.7	6.80	8415
2/08	10:15	102.7	6.52	23.0	6.67	8354
2/08	10:00	251.3	4.73	N/A	N/A	805
2/06	15:30	97.1	7.56	27.7	7.47	7577
2/06	15:15	97.2	7.55	26.4	7.46	8014
2/06	15:00	97.4	7.54	28.5	7.48	7915
2/06	14:45	99.1	7.52	19.9	7.42	8124
2/06	14:30	99.6	7.51	20.9	7.43	8230
2/06	14:15	100.1	7.49	31.3	7.42	8336
2/06	14:00	106.2	7.42	48.3	7.45	1985
2/06	13:45	114.4	7.45	N/A	N/A	496
2/06	13:30	139.7	7.43	41.7	7.05	8170
2/06	13:15	138.2	7.17	27.0	7.10	8093
2/06	13:00	132.9	6.23	17.0	7.38	1523
2/06	11:15	91.4	7.16	8.1	7.04	5430
2/06	11:00	91.2	7.08	16.2	6.93	7092
2/06	10:45	91.1	6.53	17.2	6.84	6864
2/06	10:30	90.7	6.36	14.0	6.86	7032
2/06	10:15	134.1	6.24	0.0	0.00	696
2/05	16:15	94.7	7.54	15.7	7.49	1471
2/05	16:00	96.0	7.54	14.6	7.50	8585
2/05	15:45	97.0	7.47	13.2	7.50	8609
2/05	15:30	98.0	7.03	22.6	7.48	8294
2/05	15:15	99.9	7.56	14.6	7.45	7999
2/05	15:00	107.9	7.51	16.6	7.39	8684
2/05	14:45	122.3	7.56	21.1	7.49	8609
2/05	14:30	138.7	7.56	22.9	7.50	8887
2/05	14:15	140.1	7.57	37.5	7.52	8451
2/05	14:00	151.5	7.56	35.9	7.53	8396
2/05	13:45	155.9	7.56	38.9	7.52	8918
2/05	13:30	146.8	7.57	44.9	7.55	8329
2/05	13:15	148.5	7.56	32.0	7.54	7802
2/05	13:00	151.0	7.55	30.4	7.52	9094
2/05	12:45	150.8	7.54	33.0	7.52	8945
2/05	12:30	149.6	7.53	37.8	7.50	8205
2/05	12:15	152.1	7.52	32.5	7.53	8352

2/05	12:00	142.2	7.51	36.2	7.52	8533
2/05	11:45	145.4	7.50	36.1	7.54	7884
2/05	11:30	141.0	7.45	27.5	7.45	8671
2/05	11:15	146.7	7.38	33.8	7.45	8658
2/05	11:00	148.3	7.33	33.8	7.45	8313
2/05	10:45	135.0	7.21	23.8	7.49	8608
2/05	10:30	134.9	7.09	N/A	N/A	8077
2/05	10:15	99.4	6.96	35.4	7.25	8437
2/05	10:00	98.2	6.57	35.3	7.13	6946
2/04	17:15	181.0	7.64	N/A	N/A	169
2/04	17:00	129.3	7.60	19.1	7.58	7935
2/04	16:45	125.3	7.60	19.2	7.59	9127
2/04	16:30	107.4	7.63	15.7	7.63	8006
2/04	16:15	95.1	7.66	15.1	7.65	8724
2/04	16:00	99.2	7.66	16.9	7.64	8539
2/04	15:45	97.2	7.65	17.0	7.65	8711
2/04	15:30	94.8	7.64	15.6	7.64	8165
2/04	15:15	94.0	7.63	19.6	7.62	8876
2/04	15:00	95.3	7.61	16.1	7.63	7959
2/04	14:45	97.2	7.61	19.7	7.62	9181
2/04	14:30	101.6	7.60	20.3	7.62	7923
2/04	14:15	120.2	7.58	21.4	7.54	8773
2/04	14:00	130.4	7.57	24.9	7.60	8588
2/04	13:45	129.7	7.56	26.0	7.62	8742
2/04	13:30	129.4	7.55	19.4	7.60	8268
2/04	13:15	127.4	7.53	28.0	7.59	8892
2/04	13:00	127.6	7.50	19.0	7.58	7967
2/04	12:45	125.8	7.45	22.6	7.56	9153
2/04	12:30	121.7	7.40	23.2	7.62	7899
2/04	12:15	111.9	7.30	14.9	7.59	8323
2/04	12:00	72.8	7.14	9.3	7.48	8569
2/04	11:45	67.0	6.57	8.5	7.32	8058
2/01	15:45	122.4	7.58	N/A	N/A	2952
2/01	15:30	111.5	7.59	14.5	7.58	8769
2/01	15:15	80.4	7.59	13.4	7.57	8954
2/01	15:00	79.7	7.58	12.3	7.55	7957
2/01	14:45	79.9	7.57	11.7	7.56	8932
2/01	14:30	81.0	7.56	12.4	7.53	8350
2/01	14:15	82.0	7.56	12.0	7.57	8752
2/01	14:00	84.9	7.55	14.4	7.56	8476
2/01	13:45	95.9	7.53	20.8	7.55	8775

2/01	13:30	113.3	7.51	15.9	7.54	8004
2/01	13:15	118.0	7.49	25.5	7.53	9148
2/01	13:00	119.5	7.45	19.8	7.51	7972
2/01	12:45	115.1	7.43	18.8	7.50	8954
2/01	12:30	117.6	7.39	21.6	7.50	8264
2/01	12:15	114.3	7.36	15.9	7.45	8755
2/01	12:00	108.6	7.32	11.8	7.39	8534
2/01	11:45	79.3	7.29	9.0	7.35	8780
2/01	11:30	75.9	7.25	11.0	7.28	8550
2/01	11:15	76.2	7.01	15.4	7.12	8773
2/01	11:00	40.5	3.91	N/A	N/A	6383
1/31	18:15	126.4	7.57	11.4	7.50	1509
1/31	18:00	132.6	7.57	18.3	7.50	9209
1/31	17:45	127.4	7.56	25.5	7.50	8364
1/31	17:30	133.0	7.55	16.0	7.50	8484
1/31	17:15	132.6	7.55	26.5	7.49	8791
1/31	17:00	131.6	7.53	19.3	7.47	8414
1/31	16:45	131.1	7.52	18.7	7.48	8685
1/31	16:30	135.3	7.52	25.1	7.49	8591
1/31	16:15	131.3	7.50	19.7	7.46	8355
1/31	16:00	134.0	7.49	19.7	7.46	8905
1/31	15:45	133.0	7.50	21.6	7.47	8319
1/31	15:30	134.4	7.49	11.0	7.44	8546
1/31	15:15	134.8	7.47	25.3	7.44	8714
1/31	15:00	135.8	7.46	22.9	7.45	8426
1/31	14:45	138.2	7.45	23.5	7.46	8769
1/31	14:30	135.5	7.43	28.2	7.47	8547
1/31	14:15	136.6	7.40	23.6	7.44	8384
1/31	14:00	131.2	7.37	21.9	7.47	8902
1/31	13:45	124.3	7.36	21.9	7.47	8379
1/31	13:30	108.0	7.35	17.0	7.44	8610
1/31	13:15	86.6	7.32	19.5	7.44	8694
1/31	13:00	84.8	7.29	16.8	7.46	8457
1/31	12:45	84.7	7.29	15.6	7.40	8851
1/31	12:30	85.8	7.25	13.1	7.37	8501
1/31	12:15	85.6	7.18	13.9	7.38	8439
1/31	12:00	85.7	7.12	16.0	7.32	8929
1/31	11:45	85.6	6.99	15.4	7.35	8524
1/31	11:30	85.9	7.06	18.7	7.24	8978
1/31	11:15	85.6	7.10	19.1	7.19	8432
1/31	11:00	95.0	4.31	N/A	N/A	8515

1/31	10:45	91.2	3.59	N/A	N/A	768
1/30	17:45	123.4	7.38	21.5	7.52	8109
1/30	17:30	127.0	7.34	27.3	7.53	8927
1/30	17:15	125.5	7.31	28.2	7.52	8288
1/30	17:00	121.9	7.23	26.0	7.48	8671
1/30	16:45	128.4	7.06	32.5	7.52	8444
1/30	16:30	130.9	7.00	38.7	7.52	8353
1/30	16:15	132.2	6.83	44.2	7.47	8251
1/30	16:00	152.6	7.19	35.3	7.48	8380
1/30	15:45	141.8	7.39	38.6	7.46	8541
1/30	15:30	143.4	7.42	41.7	7.29	8155
1/30	15:15	135.3	7.38	40.0	7.38	8143
1/30	15:00	140.7	7.21	38.9	7.42	8216
1/30	14:45	137.1	7.09	38.7	7.33	8145
1/30	14:30	138.3	7.19	34.3	7.32	8054
1/30	14:15	103.5	7.02	17.8	7.21	8036
1/30	14:00	47.7	5.21	14.4	6.98	6152
1/28	16:00	1.7	3.86	N/A	N/A	N/A
1/28	14:30	141.4	7.47	36.1	7.39	7985
1/28	14:15	132.1	7.46	43.7	7.32	8213
1/28	14:00	124.8	7.46	37.7	7.37	8010
1/28	13:45	123.8	7.44	38.8	7.34	7725
1/28	13:30	118.8	7.40	25.4	7.34	7919
1/28	13:15	115.8	7.38	27.6	7.26	7991
1/28	13:00	118.4	7.33	20.4	7.25	8215
1/28	12:45	121.6	7.28	37.1	7.22	8118
1/28	12:30	129.1	7.11	27.6	7.12	7870
1/28	12:15	123.5	6.95	30.7	7.05	7987
1/28	12:00	124.3	6.58	19.2	7.06	8076
1/28	11:45	132.8	6.46	25.2	6.96	8370
1/28	11:30	129.8	6.34	18.3	6.99	7794
1/28	11:15	113.5	6.38	13.6	6.92	7884
1/28	11:00	125.0	6.40	9.3	7.13	7950
1/28	10:45	105.4	6.36	N/A	N/A	6480
1/28	10:30	4.6	3.42	N/A	N/A	790
1/25	19:15	29.5	7.48	2.9	7.41	3693
1/25	19:00	29.8	7.48	3.1	7.41	8352
1/25	18:45	29.9	7.48	2.8	7.39	7881
1/25	18:30	30.6	7.48	2.9	7.39	8036
1/25	18:15	32.0	7.48	2.8	7.41	8022
1/25	18:00	32.4	7.48	3.1	7.41	8052

1/25	17:45	32.3	7.48	3.1	7.39	8212
1/25	17:30	32.3	7.47	3.0	7.39	8087
1/25	17:15	32.4	7.47	2.7	7.39	8060
1/25	17:00	33.0	7.46	3.2	7.39	8447
1/25	16:45	34.7	7.46	2.8	7.35	7730
1/25	16:30	34.8	7.45	3.0	7.35	8066
1/25	16:15	35.7	7.45	2.7	7.35	8026
1/25	16:00	37.7	7.45	3.0	7.34	8110
1/25	15:45	42.5	7.44	3.3	7.34	8236
1/25	15:30	58.5	7.44	4.4	7.31	8035
1/25	15:15	79.0	7.44	3.6	7.33	8012
1/25	15:00	83.4	7.45	3.5	7.33	8131
1/25	14:45	76.7	7.45	3.4	7.32	8263
1/25	14:30	72.5	7.46	3.2	7.34	8088
1/25	14:15	69.2	7.47	3.3	7.38	8225
1/25	14:00	50.0	7.47	3.5	7.33	8452
1/25	13:45	39.2	7.47	3.3	7.32	7557
1/25	13:30	39.2	7.46	3.5	7.25	8076
1/25	13:15	39.6	7.46	3.4	7.28	8053
1/25	13:00	39.4	7.44	3.9	7.28	8514
1/25	12:45	40.1	7.43	3.5	7.19	7700
1/25	12:30	41.5	7.41	3.7	7.17	8046
1/25	12:15	43.3	7.39	3.2	7.11	8063
1/25	12:00	46.9	7.37	3.7	7.21	8103
1/25	11:45	60.4	7.33	3.9	7.13	8205
1/25	11:30	81.5	7.32	5.9	7.13	7984
1/25	11:15	87.9	7.32	4.2	7.06	8005
1/25	11:00	94.2	7.28	4.1	7.07	8091
1/25	10:45	94.3	7.19	6.5	7.08	8167
1/25	10:30	99.9	6.97	14.6	6.85	7964
1/25	10:15	90.4	6.75	11.2	6.89	7964
1/25	10:00	58.0	6.57	N/A	N/A	8049
1/25	9:45	58.9	5.71	N/A	N/A	1745
1/24	21:15	108.6	7.38	9.2	7.18	488
1/24	21:00	109.8	7.39	10.7	7.21	7913
1/24	20:45	108.1	7.39	9.9	7.18	7918
1/24	20:30	105.6	7.40	6.5	7.22	8097
1/24	20:15	106.0	7.40	16.8	7.20	8146
1/24	20:00	106.1	7.40	14.5	7.18	7897
1/24	19:45	115.5	7.41	17.8	7.19	7900
1/24	19:30	112.8	7.42	8.4	7.18	7983

1/24	19:15	113.4	7.42	8.0	7.18	8136
1/24	19:00	108.5	7.42	13.4	7.21	8138
1/24	18:45	106.3	7.43	15.7	7.21	7880
1/24	18:30	101.5	7.43	8.3	7.19	7976
1/24	18:15	113.7	7.44	10.4	7.18	8123
1/24	18:00	115.6	7.45	22.0	7.16	8136
1/24	17:45	120.0	7.44	30.6	7.16	7896
1/24	17:30	136.4	7.45	23.8	7.18	7963
1/24	17:15	151.6	7.45	34.0	7.18	8194
1/24	17:00	173.0	7.44	51.8	7.19	7998
1/24	16:45	181.5	7.40	69.7	7.19	7957
1/24	16:30	197.9	6.93	N/A	N/A	8067
1/24	16:15	179.9	5.84	N/A	N/A	8350
1/24	16:00	197.9	6.33	N/A	N/A	7905
1/24	15:45	182.2	6.09	N/A	N/A	7832
1/24	15:30	175.6	6.43	N/A	N/A	7704
1/24	15:15	116.8	5.30	N/A	N/A	5175
1/17	18:45	42.0	7.43	5.5	7.41	6584
1/17	18:30	42.2	7.44	6.4	7.41	8105
1/17	18:15	42.2	7.44	5.5	7.41	7951
1/17	18:00	42.2	7.44	5.9	7.41	7839
1/17	17:45	42.1	7.44	5.3	7.40	7891
1/17	17:30	42.5	7.44	5.9	7.41	7949
1/17	17:15	42.7	7.45	6.0	7.41	8058
1/17	17:00	43.0	7.44	6.0	7.40	8013
1/17	16:45	48.1	7.39	5.3	7.39	7863
1/17	16:30	62.5	7.42	6.1	7.36	7950
1/17	16:15	42.7	7.41	6.2	7.36	8062
1/17	16:00	48.0	7.38	0.0	0.00	4644
1/17	15:45	42.9	7.42	5.8	7.32	2027
1/17	15:30	43.1	7.43	5.3	7.27	7990
1/17	15:15	43.2	7.41	5.9	7.25	8082
1/17	15:00	43.1	7.39	6.0	7.26	8215
1/17	14:45	44.0	7.36	5.9	7.28	8090
1/17	14:30	44.2	7.34	5.5	7.26	8036
1/17	14:15	44.1	7.28	6.3	7.26	8259
1/17	14:00	44.1	7.24	5.4	7.25	8021
1/17	13:45	43.9	7.18	5.9	7.20	7982
1/17	13:30	44.0	7.10	5.1	7.10	8017
1/17	13:15	44.4	7.03	5.7	7.13	8118
1/17	13:00	44.9	6.98	5.9	7.11	8260

1/17	12:45	45.7	6.88	6.3	7.13	8071
1/17	12:30	48.0	6.85	5.9	7.11	8058
1/17	12:15	55.0	6.72	6.3	7.09	8141
1/17	12:00	63.7	6.66	7.1	6.99	8305
1/17	11:45	51.3	6.61	8.2	7.01	8025
1/17	11:30	46.3	6.65	N/A	N/A	8141
1/17	11:15	44.9	6.64	N/A	N/A	8222
1/17	11:00	49.0	6.07	N/A	N/A	1482
1/16	17:00	77.4	7.15	17.4	7.26	2082
1/16	16:45	95.8	7.15	17.8	7.27	8138
1/16	16:30	100.0	7.13	11.9	7.23	8175
1/16	16:15	100.2	7.08	13.2	7.25	8296
1/16	16:00	104.2	7.03	15.9	7.23	8069
1/16	15:45	98.1	7.03	16.9	7.22	8110
1/16	15:30	104.4	7.01	10.9	7.21	8171
1/16	15:15	97.3	6.99	8.7	7.19	8136
1/16	15:00	102.4	6.97	9.6	7.22	8111
1/16	14:45	102.6	6.96	9.3	7.18	8095
1/16	14:30	99.9	6.96	12.3	7.23	8854
1/16	14:15	102.1	6.94	7.9	7.13	7622
1/16	14:00	95.6	6.91	5.4	7.20	8045
1/16	13:45	81.9	6.82	3.9	7.15	7654
1/16	13:30	80.7	6.82	4.9	7.13	8597
1/16	13:15	78.6	6.77	4.4	7.16	7979
1/16	13:00	75.4	6.74	5.0	7.10	8005
1/16	12:45	76.2	6.73	4.6	7.04	7630
1/16	12:30	85.7	6.66	4.6	7.10	8462
1/16	12:15	87.8	6.59	4.9	6.99	8243
1/16	12:00	100.0	6.55	5.2	6.97	8107
1/16	11:45	91.4	6.47	3.9	6.94	7632
1/16	11:30	83.2	6.48	4.0	6.89	8463
1/16	11:15	72.3	6.53	4.1	6.85	8331
1/16	11:00	87.2	6.64	9.3	6.77	8131
1/16	10:45	87.3	6.92	33.9	6.78	8174
1/16	10:30	29.4	4.64	N/A	N/A	8561
1/16	10:15	33.0	N/A	N/A	N/A	1112
1/15	14:15	21.4	7.17	4.9	7.10	5168
1/15	14:00	21.3	7.17	5.1	7.08	8155
1/15	13:45	21.8	7.13	5.1	7.09	8171
1/15	13:30	22.0	7.08	4.6	7.05	8007
1/15	13:15	22.0	7.04	3.8	7.03	8044

1/15	13:00	22.3	6.97	4.3	7.05	8241
1/15	12:45	22.4	6.96	4.0	7.05	8186
1/15	12:30	22.8	6.95	4.2	7.04	7985
1/15	12:15	23.8	6.88	3.6	7.00	8018
1/15	12:00	24.6	6.86	3.9	6.99	8115
1/15	11:45	49.7	6.84	4.2	7.00	8266
1/15	11:30	27.0	6.80	4.0	6.99	8151
1/15	11:15	28.8	6.73	3.5	6.97	8040
1/15	11:00	30.9	6.75	N/A	N/A	8192
1/15	10:45	51.4	6.79	N/A	N/A	8327
1/15	10:30	32.5	6.81	N/A	N/A	8161
1/15	10:15	30.0	6.84	N/A	N/A	8061
1/15	10:00	28.2	6.85	N/A	N/A	8104
1/15	9:45	23.4	6.19	N/A	N/A	7811
1/15	9:30	57.2	5.88	N/A	N/A	2688
Totals						2552048
Average		91.1		15.8		
Median		96.0		14.0		

System C

Date (mm/dd)	Time (HH:MM)	PreTreat In (NTU)	pH In	Tur Out (NTU)	pH Out	Flow
2/12	19:00	N/A	6.33	N/A	N/A	N/A
2/12	18:45	N/A	6.32	N/A	N/A	N/A
2/12	18:30	N/A	6.32	N/A	N/A	N/A
2/12	18:15	N/A	6.32	N/A	N/A	N/A
2/12	18:00	N/A	6.32	N/A	N/A	N/A
2/12	17:45	N/A	6.32	N/A	N/A	N/A
2/12	17:30	N/A	6.32	N/A	N/A	N/A
2/12	17:15	N/A	6.32	N/A	N/A	N/A
2/12	17:00	N/A	6.32	N/A	N/A	N/A
2/12	16:45	N/A	6.32	N/A	N/A	N/A
2/12	16:30	N/A	6.33	N/A	N/A	N/A
2/12	16:15	N/A	6.34	N/A	N/A	N/A
2/12	16:00	N/A	6.35	N/A	N/A	N/A
2/12	15:45	41.8	6.41	N/A	7.65	5563
2/12	15:30	51.5	6.41	N/A	7.63	7922
2/12	15:15	49.6	6.34	N/A	7.62	8209
2/12	15:00	53.2	6.42	N/A	7.62	8735
2/12	14:45	52.7	6.41	N/A	7.61	8867

2/12	14:30	54.0	6.41	N/A	7.60	8539
2/12	14:15	54.5	6.41	N/A	7.58	8241
2/12	14:00	55.1	6.37	N/A	7.56	8765
2/12	13:45	56.9	6.38	N/A	7.51	8944
2/12	13:30	23.7	6.39	N/A	7.33	5427
2/12	10:45	51.6	6.45	N/A	7.54	8432
2/12	10:30	44.3	6.45	N/A	7.47	8726
2/12	10:15	48.7	6.44	N/A	7.33	8938
2/12	10:00	52.7	6.43	N/A	6.92	5796
2/11	9:30	N/A	6.46	N/A	N/A	N/A
2/08	19:00	N/A	6.46	N/A	N/A	N/A
2/08	18:45	N/A	6.46	N/A	N/A	N/A
2/08	18:30	N/A	6.46	N/A	N/A	N/A
2/08	18:15	N/A	6.46	N/A	N/A	N/A
2/08	18:00	N/A	6.46	N/A	N/A	N/A
2/08	17:45	N/A	6.46	N/A	N/A	N/A
2/08	17:30	N/A	6.46	N/A	N/A	N/A
2/08	17:15	N/A	6.46	N/A	N/A	N/A
2/08	17:00	N/A	6.46	N/A	N/A	N/A
2/08	16:45	N/A	6.46	N/A	N/A	N/A
2/08	16:30	N/A	6.46	N/A	N/A	N/A
2/08	16:15	N/A	6.46	N/A	N/A	N/A
2/08	16:00	N/A	6.46	N/A	N/A	N/A
2/08	15:45	N/A	6.46	N/A	N/A	N/A
2/08	15:30	9.5	6.49	N/A	N/A	N/A
2/08	15:15	92.6	6.51	N/A	7.42	6302
2/08	15:00	92.9	6.51	N/A	7.40	9175
2/08	14:45	91.4	6.51	N/A	7.39	9168
2/08	14:30	92.1	6.52	N/A	7.38	9209
2/08	14:15	92.1	6.51	N/A	7.39	9168
2/08	14:00	91.4	6.51	N/A	7.35	9198
2/08	13:45	90.8	6.51	N/A	7.35	9203
2/08	13:30	91.9	6.52	N/A	7.33	9220
2/08	13:15	93.6	6.52	N/A	7.32	9218
2/08	13:00	93.6	6.53	N/A	7.31	9583
2/08	12:45	92.9	6.53	N/A	7.32	8736
2/08	12:30	92.5	6.53	N/A	7.29	9193
2/08	12:15	94.0	6.53	N/A	7.31	9225
2/08	12:00	94.3	6.52	N/A	7.28	9224
2/08	11:45	94.1	6.52	N/A	7.26	9569
2/08	11:30	94.5	6.52	N/A	7.25	8832

2/08	11:15	95.2	6.52	N/A	7.21	8610
2/08	11:00	96.4	6.52	N/A	7.17	8179
2/08	10:45	92.1	6.52	N/A	7.07	8963
2/08	10:30	92.0	6.52	N/A	6.90	9069
2/08	10:15	93.2	6.52	N/A	6.68	9035
2/08	10:00	94.4	6.53	N/A	N/A	1426
2/08	9:15	N/A	6.53	N/A	N/A	N/A
2/07	16:30	N/A	6.53	N/A	N/A	N/A
2/07	16:15	N/A	6.53	N/A	N/A	N/A
2/07	16:00	N/A	6.53	N/A	N/A	N/A
2/07	15:45	N/A	6.53	N/A	N/A	N/A
2/07	15:30	N/A	6.52	N/A	N/A	N/A
2/07	15:15	N/A	6.52	N/A	N/A	N/A
2/07	15:00	N/A	6.53	N/A	N/A	N/A
2/07	14:45	N/A	6.53	N/A	N/A	N/A
2/07	14:30	N/A	6.53	N/A	N/A	N/A
2/07	14:15	N/A	6.53	N/A	N/A	N/A
2/07	14:00	N/A	6.52	N/A	N/A	N/A
2/07	13:45	6.4	6.52	N/A	N/A	N/A
2/07	13:30	6.8	6.52	N/A	N/A	N/A
2/07	11:00	N/A	6.53	N/A	N/A	N/A
2/06	20:15	N/A	6.53	N/A	N/A	N/A
2/06	20:00	N/A	6.53	N/A	N/A	N/A
2/06	19:45	N/A	6.53	N/A	N/A	N/A
2/06	19:30	N/A	6.53	N/A	N/A	N/A
2/06	19:15	N/A	6.53	N/A	N/A	N/A
2/06	19:00	N/A	6.53	N/A	N/A	N/A
2/06	18:45	N/A	6.53	N/A	N/A	N/A
2/06	18:30	N/A	6.53	N/A	N/A	N/A
2/06	18:15	N/A	6.53	4.5	N/A	N/A
2/06	18:00	N/A	6.53	4.5	N/A	N/A
2/06	17:45	N/A	6.53	4.6	N/A	N/A
2/06	17:30	N/A	6.53	4.7	N/A	N/A
2/06	17:15	N/A	6.54	4.9	N/A	N/A
2/06	17:00	N/A	6.54	5.0	N/A	N/A
2/06	16:45	N/A	6.56	5.1	N/A	N/A
2/06	16:30	107.0	6.59	5.1	N/A	N/A
2/06	16:15	92.5	6.59	5.1	N/A	N/A
2/06	16:00	91.9	6.58	5.7	N/A	N/A
2/06	15:45	94.6	6.57	5.8	N/A	N/A
2/06	15:30	95.9	6.50	7.1	7.22	7548

2/06	15:15	96.1	6.49	7.2	7.24	8494
2/06	15:00	96.5	6.49	7.9	7.23	8439
2/06	14:45	97.7	6.49	8.7	7.22	8664
2/06	14:30	98.7	6.49	8.9	7.23	8743
2/06	14:15	99.1	6.49	9.0	6.86	8905
2/06	14:00	105.7	6.58	9.6	6.64	2702
2/06	13:45	109.8	6.61	9.7	N/A	N/A
2/06	13:30	134.8	6.52	10.2	7.04	8731
2/06	13:15	138.1	6.53	11.2	6.98	8637
2/06	13:00	104.1	6.54	11.6	6.76	2164
2/06	12:45	88.8	6.55	11.8	N/A	N/A
2/06	12:30	86.8	6.54	12.5	N/A	N/A
2/06	11:15	90.3	6.52	13.1	6.73	5313
2/06	11:00	94.3	6.30	13.2	6.41	7606
2/06	10:45	90.1	6.85	13.4	6.55	7377
2/06	10:30	89.9	6.51	13.5	6.55	7542
2/06	10:15	100.5	5.66	13.7	N/A	1243
2/05	19:45	N/A	3.92	14.1	N/A	N/A
2/05	19:30	N/A	3.92	14.2	N/A	N/A
2/05	19:15	N/A	3.92	14.2	N/A	N/A
2/05	19:00	N/A	3.92	14.4	N/A	N/A
2/05	18:45	N/A	3.92	14.5	N/A	N/A
2/05	18:30	N/A	3.92	14.5	N/A	N/A
2/05	18:15	N/A	3.92	15.1	N/A	N/A
2/05	18:00	N/A	3.92	15.3	N/A	N/A
2/05	17:45	N/A	3.92	15.5	N/A	N/A
2/05	17:30	N/A	3.92	15.6	N/A	N/A
2/05	17:15	N/A	3.92	15.6	N/A	N/A
2/05	17:00	N/A	3.92	16.2	N/A	N/A
2/05	16:45	N/A	3.93	16.3	N/A	N/A
2/05	16:30	N/A	3.93	16.4	N/A	N/A
2/05	16:15	63.8	6.37	16.5	7.43	967
2/05	16:00	96.4	7.33	17.6	7.45	9104
2/05	15:45	97.8	7.34	17.6	7.45	9208
2/05	15:30	98.9	7.32	18.5	7.44	8939
2/05	15:15	100.9	7.33	18.9	7.40	8435
2/05	15:00	107.9	7.33	18.9	7.42	9312
2/05	14:45	122.4	7.31	19.2	7.42	9151
2/05	14:30	140.4	7.32	19.2	7.43	9476
2/05	14:15	141.7	7.29	19.3	7.44	8998
2/05	14:00	153.0	7.32	19.7	7.44	9049

2/05	13:45	158.8	7.30	20.0	7.47	9452
2/05	13:30	148.3	7.32	20.1	7.43	8976
2/05	13:15	149.8	7.31	20.2	7.40	8216
2/05	13:00	152.8	7.29	20.3	7.45	9685
2/05	12:45	153.2	7.28	20.9	7.46	9542
2/05	12:30	150.8	7.28	21.0	7.43	8814
2/05	12:15	154.4	7.28	21.6	7.43	8838
2/05	12:00	143.5	7.23	21.8	7.47	9192
2/05	11:45	147.5	7.24	22.2	7.42	8302
2/05	11:30	141.5	7.21	23.1	7.43	9292
2/05	11:15	148.2	7.19	23.4	7.40	9195
2/05	11:00	151.9	7.11	23.9	7.37	8967
2/05	10:45	136.3	7.06	24.2	7.35	9175
2/05	10:30	136.4	6.93	24.4	0.00	8660
2/05	10:15	103.2	6.76	24.6	6.95	9033
2/05	10:00	88.9	6.25	24.9	6.68	7948
2/04	18:15	N/A	3.91	25.4	N/A	N/A
2/04	18:00	N/A	3.92	25.7	N/A	N/A
2/04	17:45	N/A	3.93	25.9	N/A	N/A
2/04	17:30	N/A	3.93	26.9	N/A	N/A
2/04	17:15	64.4	4.77	27.0	N/A	N/A
2/04	17:00	130.9	7.33	27.2	7.54	8088
2/04	16:45	124.7	7.32	27.8	7.57	9756
2/04	16:30	108.3	7.32	28.0	7.57	8556
2/04	16:15	94.1	7.32	29.8	7.62	9439
2/04	16:00	98.2	7.29	31.1	7.61	9100
2/04	15:45	96.6	7.27	31.7	7.62	9432
2/04	15:30	94.4	7.26	32.4	7.57	8613
2/04	15:15	93.3	7.23	32.5	7.61	9634
2/04	15:00	94.4	7.21	32.8	7.59	8428
2/04	14:45	96.3	7.23	34.2	7.60	9810
2/04	14:30	100.3	7.21	34.5	7.55	8482
2/04	14:15	117.6	7.22	34.8	7.58	9430
2/04	14:00	129.5	7.16	35.9	7.57	9125
2/04	13:45	128.8	7.20	36.1	7.59	9428
2/04	13:30	128.2	7.16	36.4	7.57	8754
2/04	13:15	126.1	7.16	36.5	7.59	9593
2/04	13:00	126.2	7.12	37.0	7.55	8427
2/04	12:45	125.3	7.05	37.4	7.55	9858
2/04	12:30	121.5	7.00	37.7	7.49	8371
2/04	12:15	111.7	6.94	41.4	7.36	8966

2/04	12:00	74.8	6.85	44.6	7.16	9084
2/04	11:45	67.8	6.36	46.6	6.93	9176
2/01	18:30	N/A	3.90	N/A	N/A	N/A
2/01	18:15	5.2	3.90	N/A	N/A	N/A
2/01	18:00	17.5	3.90	N/A	N/A	N/A
2/01	17:45	17.9	3.90	N/A	N/A	N/A
2/01	17:30	18.2	3.90	N/A	N/A	N/A
2/01	17:15	18.3	3.90	N/A	N/A	N/A
2/01	17:00	18.4	3.90	N/A	N/A	N/A
2/01	16:45	18.5	3.91	N/A	N/A	N/A
2/01	16:30	18.7	3.92	N/A	N/A	N/A
2/01	16:15	18.5	3.93	N/A	N/A	N/A
2/01	16:00	12.2	3.95	N/A	N/A	N/A
2/01	15:45	96.6	5.83	N/A	N/A	2466
2/01	15:30	111.3	7.46	13.8	7.50	9539
2/01	15:15	80.0	7.45	13.1	7.47	9526
2/01	15:00	78.6	7.45	11.8	7.46	8477
2/01	14:45	79.1	7.44	11.2	7.42	9488
2/01	14:30	79.4	7.42	11.8	7.42	8960
2/01	14:15	80.9	7.43	11.3	7.41	9366
2/01	14:00	83.5	7.44	13.2	7.38	9028
2/01	13:45	93.8	7.44	20.4	7.36	9416
2/01	13:30	110.8	7.42	15.4	7.33	8522
2/01	13:15	116.5	7.41	24.4	7.29	9792
2/01	13:00	117.7	7.41	19.6	7.38	8509
2/01	12:45	113.7	7.40	17.9	7.39	9529
2/01	12:30	115.7	7.37	21.1	7.40	8878
2/01	12:15	113.0	7.34	15.6	7.39	9387
2/01	12:00	107.6	7.31	11.5	7.29	9096
2/01	11:45	80.4	7.28	8.2	7.27	9416
2/01	11:30	74.9	7.23	9.9	7.17	9129
2/01	11:15	74.9	7.19	14.8	6.84	9410
2/01	11:00	63.6	7.03	0.0	0.00	7326
1/31	18:15	68.5	6.15	10.3	7.57	1010
1/31	18:00	132.8	7.52	16.9	7.57	9918
1/31	17:45	127.3	7.50	25.2	7.58	8934
1/31	17:30	132.3	7.50	15.2	7.57	9058
1/31	17:15	132.6	7.48	25.3	7.57	9461
1/31	17:00	131.9	7.50	19.3	7.57	9008
1/31	16:45	131.2	7.49	17.5	7.56	9265
1/31	16:30	134.9	7.49	24.7	7.57	9236

1/31	16:15	131.1	7.49	19.2	7.57	8974
1/31	16:00	134.2	7.50	18.4	7.57	9525
1/31	15:45	132.3	7.50	21.5	7.56	8900
1/31	15:30	134.0	7.49	10.3	7.54	9047
1/31	15:15	134.7	7.48	24.0	7.55	9374
1/31	15:00	135.3	7.49	22.6	7.58	8999
1/31	14:45	136.9	7.49	22.2	7.57	9347
1/31	14:30	136.1	7.47	27.7	7.58	9165
1/31	14:15	136.2	7.46	23.4	7.58	8979
1/31	14:00	130.6	7.46	20.7	7.57	9495
1/31	13:45	124.8	7.45	21.6	7.58	8966
1/31	13:30	108.7	7.46	15.9	7.59	9130
1/31	13:15	87.7	7.46	18.8	7.59	9341
1/31	13:00	85.2	7.44	15.9	7.58	9011
1/31	12:45	85.4	7.44	14.9	7.56	9372
1/31	12:30	85.9	7.44	12.3	7.55	9149
1/31	12:15	85.8	7.43	12.7	7.55	9006
1/31	12:00	85.6	7.43	15.0	7.54	9576
1/31	11:45	85.9	7.41	14.6	7.52	9030
1/31	11:30	86.2	7.38	17.6	7.50	9655
1/31	11:15	85.3	7.31	17.9	7.44	8983
1/31	11:00	85.5	6.99	N/A	N/A	9121
1/31	10:45	140.4	5.85	N/A	N/A	1441
1/30	18:00	105.0	6.91	N/A	N/A	N/A
1/30	17:45	124.9	7.41	20.3	7.45	8159
1/30	17:30	126.7	7.43	26.1	7.45	9609
1/30	17:15	125.6	7.43	27.5	7.45	8881
1/30	17:00	122.3	7.43	24.2	7.45	9200
1/30	16:45	128.0	7.43	32.3	7.45	9015
1/30	16:30	131.7	7.42	37.9	7.44	8970
1/30	16:15	131.3	7.41	44.6	7.46	8806
1/30	16:00	153.2	7.41	35.0	7.45	8946
1/30	15:45	142.2	7.40	37.6	7.45	9120
1/30	15:30	143.6	7.38	41.0	7.45	8733
1/30	15:15	135.5	7.35	39.6	7.45	8657
1/30	15:00	140.5	7.33	38.7	7.44	8745
1/30	14:45	137.6	7.31	37.4	7.41	8710
1/30	14:30	139.9	7.21	35.3	7.37	8597
1/30	14:15	53.3	7.12	17.1	7.26	8582
1/30	14:00	2.3	6.57	11.9	6.98	7130
1/28	17:45	3.0	3.92	N/A	N/A	N/A

1/28	15:30	2.6	3.92	N/A	N/A	N/A
1/28	15:15	2.6	3.93	N/A	N/A	N/A
1/28	15:00	2.5	3.93	N/A	N/A	N/A
1/28	16:00	3.0	3.93	N/A	N/A	N/A
1/28	15:30	2.6	3.92	N/A	N/A	N/A
1/28	15:15	2.6	3.93	N/A	N/A	N/A
1/28	15:00	2.5	3.93	N/A	N/A	N/A
1/28	14:45	85.4	5.69	N/A	N/A	N/A
1/28	14:30	139.4	7.39	35.3	7.45	8009
1/28	14:15	130.4	7.39	44.2	7.44	8719
1/28	14:00	123.6	7.38	35.0	7.42	8598
1/28	13:45	123.6	7.40	37.0	7.46	8326
1/28	13:30	118.1	7.39	25.0	7.46	8381
1/28	13:15	113.9	7.39	26.4	7.48	8564
1/28	13:00	116.4	7.41	19.0	7.48	8763
1/28	12:45	121.3	7.40	34.5	7.49	8764
1/28	12:30	126.7	7.38	27.3	7.49	8364
1/28	12:15	122.2	7.38	29.2	7.49	8552
1/28	12:00	124.4	7.31	18.6	7.47	8631
1/28	11:45	130.7	7.18	24.8	7.45	9002
1/28	11:30	130.1	7.09	18.2	7.42	8340
1/28	11:15	112.1	6.92	13.5	7.36	8488
1/28	11:00	106.3	6.02	8.1	7.20	8507
1/28	10:45	4.9	3.81	8.8	6.87	7112
1/28	10:30	4.5	3.80	N/A	N/A	1185
1/25	20:15	N/A	3.96	N/A	N/A	N/A
1/25	20:00	N/A	3.99	N/A	N/A	N/A
1/25	19:45	N/A	4.06	N/A	N/A	N/A
1/25	19:30	N/A	4.08	N/A	N/A	N/A
1/25	19:15	31.9	6.77	1.9	7.15	3417
1/25	19:00	29.5	7.42	2.1	7.18	8916
1/25	18:45	29.6	7.42	1.9	7.13	8478
1/25	18:30	30.5	7.43	1.9	7.13	8602
1/25	18:15	31.4	7.42	1.7	7.11	8580
1/25	18:00	31.8	7.42	2.0	7.14	8648
1/25	17:45	31.8	7.42	1.9	7.09	8820
1/25	17:30	31.9	7.43	1.9	7.10	8604
1/25	17:15	31.9	7.42	1.7	7.09	8603
1/25	17:00	32.5	7.41	2.1	7.08	8993
1/25	16:45	34.0	7.42	1.8	7.07	8344
1/25	16:30	34.3	7.41	1.9	7.07	8633

1/25	16:15	35.1	7.41	1.7	7.08	8625
1/25	16:00	37.1	7.40	2.0	7.07	8687
1/25	15:45	41.7	7.40	2.3	7.04	8824
1/25	15:30	56.7	7.40	3.4	7.06	8596
1/25	15:15	77.5	7.40	2.5	7.07	8597
1/25	15:00	83.4	7.41	2.4	7.12	8683
1/25	14:45	77.0	7.42	2.3	7.16	8836
1/25	14:30	71.6	7.43	2.3	7.14	8679
1/25	14:15	69.7	7.44	2.1	7.20	8791
1/25	14:00	50.4	7.44	2.5	7.21	9072
1/25	13:45	39.2	7.45	2.2	7.22	8109
1/25	13:30	38.6	7.45	2.6	7.22	8662
1/25	13:15	38.9	7.44	2.1	7.30	8645
1/25	13:00	39.0	7.43	2.9	7.29	9084
1/25	12:45	39.8	7.42	2.4	7.31	8293
1/25	12:30	40.9	7.41	2.7	7.32	8616
1/25	12:15	42.7	7.41	2.0	7.30	8607
1/25	12:00	45.9	7.40	2.6	7.29	8690
1/25	11:45	58.6	7.38	2.7	7.23	8761
1/25	11:30	79.6	7.37	4.6	7.21	8562
1/25	11:15	87.4	7.35	3.3	7.16	8553
1/25	11:00	92.6	7.33	3.0	7.13	8651
1/25	10:45	94.7	7.32	5.7	7.10	8747
1/25	10:30	97.4	7.27	14.2	7.05	8528
1/25	10:15	92.6	7.19	10.3	7.02	8510
1/25	10:00	58.3	6.81	N/A	N/A	8618
1/25	9:45	58.8	5.41	N/A	N/A	2277
1/24	21:15	111.2	7.06	8.4	7.21	91
1/24	21:00	109.3	7.17	9.0	7.20	8461
1/24	20:45	109.0	7.17	9.2	7.20	8481
1/24	20:30	105.2	7.17	5.1	7.23	8588
1/24	20:15	105.5	7.17	15.1	7.20	8856
1/24	20:00	106.3	7.18	12.2	7.19	8420
1/24	19:45	115.2	7.16	16.9	7.20	8446
1/24	19:30	113.3	7.17	7.2	7.18	8602
1/24	19:15	114.0	7.18	6.9	7.19	8722
1/24	19:00	108.9	7.18	11.4	7.20	8733
1/24	18:45	106.5	7.19	14.7	7.20	8436
1/24	18:30	102.0	7.20	7.0	7.19	8545
1/24	18:15	113.6	7.19	9.0	7.19	8699
1/24	18:00	114.5	7.19	18.4	7.20	8745

1/24	17:45	121.0	7.21	30.2	7.19	8471
1/24	17:30	133.6	7.21	21.4	7.18	8557
1/24	17:15	152.4	7.22	30.0	7.20	8816
1/24	17:00	172.1	7.24	48.5	7.20	8615
1/24	16:45	183.2	7.23	64.4	7.14	8531
1/24	16:30	192.3	7.26	N/A	N/A	8639
1/24	16:15	181.7	7.24	N/A	N/A	9027
1/24	16:00	196.7	7.23	N/A	N/A	8442
1/24	15:45	183.0	7.22	N/A	N/A	8355
1/24	15:30	182.1	7.13	N/A	N/A	8324
1/24	15:15	97.0	5.17	N/A	N/A	5960
1/24	15:00	7.5	3.84	N/A	N/A	N/A
1/17	20:00	N/A	3.91	N/A	N/A	N/A
1/17	19:45	N/A	3.92	N/A	N/A	N/A
1/17	19:30	N/A	3.92	N/A	N/A	N/A
1/17	19:15	2.9	3.93	N/A	N/A	N/A
1/17	19:00	22.1	4.96	N/A	N/A	N/A
1/17	18:45	41.9	7.24	4.2	7.19	6591
1/17	18:30	42.0	7.26	5.1	7.16	8607
1/17	18:15	42.1	7.25	4.5	7.13	8590
1/17	18:00	41.9	7.22	4.7	7.16	8347
1/17	17:45	42.1	7.20	4.3	7.13	8434
1/17	17:30	42.6	7.18	4.7	7.06	8527
1/17	17:15	42.5	7.18	4.7	7.06	8596
1/17	17:00	43.2	7.22	4.8	7.08	8538
1/17	16:45	44.9	7.14	4.1	7.09	8455
1/17	16:30	63.4	7.12	4.8	7.14	8493
1/17	16:15	42.6	7.08	4.8	7.15	8613
1/17	16:00	239.4	6.93	0.0	0.00	5354
1/17	15:45	152.1	7.28	4.9	7.08	1667
1/17	15:30	43.6	7.24	4.2	6.98	8437
1/17	15:15	43.4	7.25	4.6	6.96	8520
1/17	15:00	43.5	7.25	4.8	6.96	8660
1/17	14:45	44.0	7.22	4.8	6.93	8572
1/17	14:30	44.0	7.20	4.2	6.92	8478
1/17	14:15	43.9	7.20	5.0	6.97	8701
1/17	14:00	44.0	7.22	4.4	6.93	8583
1/17	13:45	44.0	7.20	4.7	6.96	8403
1/17	13:30	44.0	7.16	4.0	6.89	8480
1/17	13:15	44.2	7.16	4.5	6.94	8585
1/17	13:00	44.7	7.14	4.6	6.95	8715

1/17	12:45	45.4	7.13	5.0	6.90	8589
1/17	12:30	47.8	7.10	4.6	6.93	8479
1/17	12:15	54.3	7.09	5.0	6.85	8590
1/17	12:00	64.2	7.04	5.5	6.83	8760
1/17	11:45	51.2	6.99	7.0	6.85	8514
1/17	11:30	46.8	6.88	N/A	N/A	8585
1/17	11:15	48.9	6.59	N/A	N/A	8690
1/17	11:00	50.0	5.73	N/A	N/A	2048
1/16	18:45	N/A	3.90	N/A	N/A	N/A
1/16	18:30	N/A	3.91	N/A	N/A	N/A
1/16	18:15	N/A	3.93	N/A	N/A	N/A
1/16	18:00	N/A	3.95	N/A	N/A	N/A
1/16	17:45	N/A	3.99	N/A	N/A	N/A
1/16	17:30	N/A	4.05	N/A	N/A	N/A
1/16	17:15	N/A	4.12	N/A	N/A	N/A
1/16	17:00	47.7	5.42	15.4	7.32	1748
1/16	16:45	93.1	7.21	18.2	7.26	8566
1/16	16:30	99.6	7.20	11.5	7.24	8652
1/16	16:15	98.7	7.19	12.9	7.24	8739
1/16	16:00	103.4	7.16	15.5	7.22	8532
1/16	15:45	96.9	7.15	17.6	7.21	8537
1/16	15:30	102.8	7.15	10.7	7.21	8611
1/16	15:15	96.9	7.15	8.4	7.20	8573
1/16	15:00	101.3	7.11	9.4	7.16	8601
1/16	14:45	101.2	7.12	9.4	7.16	8548
1/16	14:30	98.8	7.11	11.2	7.13	9340
1/16	14:15	101.4	7.09	8.7	7.10	8089
1/16	14:00	95.0	7.10	4.9	7.11	8446
1/16	13:45	81.2	7.06	3.8	7.09	8093
1/16	13:30	80.4	7.03	4.4	7.09	8988
1/16	13:15	77.1	7.03	4.1	7.03	8519
1/16	13:00	74.4	7.04	4.4	7.05	8404
1/16	12:45	75.1	7.01	4.3	7.05	8070
1/16	12:30	84.5	6.99	4.0	7.05	8840
1/16	12:15	85.5	6.98	4.4	7.04	8690
1/16	12:00	98.7	6.97	4.8	7.00	8543
1/16	11:45	91.4	6.97	3.7	7.03	8092
1/16	11:30	82.9	6.93	3.6	7.02	8849
1/16	11:15	70.6	6.88	3.5	7.07	8778
1/16	11:00	85.9	6.82	7.7	7.06	8642
1/16	10:45	86.3	6.72	33.0	6.74	8611

1/16	10:30	167.5	6.60	N/A	N/A	9035
1/16	10:15	951.9	5.80	N/A	N/A	1610
1/16	9:30	N/A	3.87	N/A	N/A	N/A
1/15	18:45	N/A	3.87	N/A	N/A	N/A
1/15	18:30	N/A	3.88	N/A	N/A	N/A
1/15	18:15	N/A	3.88	N/A	N/A	N/A
1/15	18:00	N/A	3.88	N/A	N/A	N/A
1/15	17:45	N/A	3.88	N/A	N/A	N/A
1/15	17:30	N/A	3.88	N/A	N/A	N/A
1/15	17:15	N/A	3.89	N/A	N/A	N/A
1/15	17:00	N/A	3.89	N/A	N/A	N/A
1/15	16:45	N/A	3.89	N/A	N/A	N/A
1/15	16:30	N/A	3.90	N/A	N/A	N/A
1/15	16:15	N/A	3.90	N/A	N/A	N/A
1/15	16:00	N/A	3.91	N/A	N/A	N/A
1/15	15:45	N/A	3.92	N/A	N/A	N/A
1/15	15:30	N/A	3.93	N/A	N/A	N/A
1/15	15:15	N/A	3.95	N/A	N/A	N/A
1/15	15:00	N/A	3.97	N/A	N/A	N/A
1/15	14:45	N/A	3.98	N/A	N/A	N/A
1/15	14:30	6.0	6.19	N/A	N/A	N/A
1/15	14:15	20.8	7.07	3.9	7.25	4998
1/15	14:00	20.8	7.03	4.1	7.22	8606
1/15	13:45	20.8	6.98	4.1	7.23	8658
1/15	13:30	20.9	7.00	3.5	7.20	8382
1/15	13:15	21.0	6.96	2.8	7.12	8507
1/15	13:00	21.3	6.96	3.3	7.12	8619
1/15	12:45	21.3	6.94	3.1	7.09	8686
1/15	12:30	21.7	6.92	3.1	7.09	8353
1/15	12:15	22.7	6.91	2.6	7.06	8458
1/15	12:00	23.4	6.89	2.9	7.06	8591
1/15	11:45	48.4	6.87	3.2	7.04	8692
1/15	11:30	25.7	6.83	3.0	7.05	8665
1/15	11:15	27.5	6.77	2.6	7.06	8550
1/15	11:00	29.7	6.76	N/A	N/A	8671
1/15	10:45	46.3	6.73	N/A	N/A	8792
1/15	10:30	35.5	6.74	N/A	N/A	8660
1/15	10:15	28.7	6.69	N/A	N/A	8514
1/15	10:00	27.5	6.67	N/A	N/A	8547
1/15	9:45	21.7	6.68	N/A	N/A	8298
1/15	9:30	41.1	6.14	N/A	N/A	3188

1/14	17:00	40.9	3.78	N/A	N/A	22
Totals						2723001
Average		89.4		17.2		
Median		94.3		15.8		

Site 2

Date	Influent NTU	Effluent NTU	Upstream NTU
10/28/2004	4400		
10/29/2004		1.09	
		2.6	
		5.3	
		3.1	
		7.8	
11/1/2004	4036	9.4	
		1.79	
		0.97	
		0.95	
		1.25	
		2.1	
11/2/2004	4204	1.11	
		1.92	
		1.02	
		1.12	
		0.96	
		1.58	
		1.38	
11/3/2004	3892	0.96	
		1.1	
		1.12	
		1.33	
		9.6	
11/4/2004	3612	8.6	
		3.62	
		10.8	
		8.6	
		12.6	
11/5/2004		11.1	
		20.1	
		12.1	
		19.2	
		16.4	

11/8/2004	3700	12.9	
		26.4	
		21.6	
		3.38	
		11.6	
		3.38	
11/9/2004	3900	10.5	
	4280	1936	
	4800	9.2	
		14.2	
		15.1	
		16.2	
11/10/2004		8.8	
		13.1	
		13.7	
		16.8	
		16.4	
		7.47	
		11.7	
		4.68	
		13.8	
11/11/2004		4.95	
		12.9	
		10.9	
		11.2	
11/12/2004		0.48	
		0.5	
11/17/2004	1936	1.08	
		7.09	
		7.77	
		7.93	
		8	
		7.33	
		7.12	
		6.63	
11/18/2004	4816	4.67	
		6.43	
		8.02	
		7.29	
		7.34	
		6.94	

		6.85	
		6.33	
		6.87	
		6.29	
		6.54	
		5.98	
11/19/2004	1590	5.24	
		5.54	
		6.7	
		5.67	
		5.35	
		5.65	
		4.54	
		4.56	
		4.85	
		4.3	
		4.95	
		4.91	
11/22/2004		5.42	
		5.2	
		5.04	
		4.71	
		5.06	
		4.77	
		4.34	
		5.12	
		4.29	
11/23/2004		4.66	
		4.01	
		4.3	
		3.84	
		4.41	
		3.73	
		4.1	
		4.22	
		4.32	
		4.61	
		4.47	
		5.24	
11/24/2004		5.36	
		4.13	
		5.03	
		5.09	
		4.17	

		4.33	
		4.4	
12/2/2004		2.84	
		1.55	
		1.46	
		0.82	
		0.44	
		0.42	
12/6/2004	853	3.88	
		4.76	
		5.09	
		0.92	
		0.45	
		0.45	
		0.64	
		0.67	
		0.37	
12/7/2004		0.61	
		0.31	
		0.45	
		0.31	
		0.47	
		0.54	
		0.33	
		0.31	
		0.41	
12/8/2004		0.99	
		0.26	
		0.23	
		0.55	
		0.2	
		0.33	
		0.33	
		0.28	
		0.28	
		0.3	
		0.97	
		0.2	
		0.29	
12/9/2004		0.94	
		0.8	
		0.86	
		0.29	

		0.6	
		4.6	
		0.35	
		0.32	
		0.38	
		0.91	
		0.45	
		0.3	
12/10/2004		0.69	
		1.55	
		0.25	
		0.3	
		0.23	
		0.8	
		0.25	
		0.34	
12/13/2004		0.36	
		0.48	
		0.42	
		0.37	
		0.24	
		0.3	
		0.32	
12/14/2004		0.77	
		0.3	
		0.51	
		0.53	
		0.38	
		0.27	
		0.34	
		0.66	
12/15/2004	2794	0.91	
		0.6	
		0.45	
		1.2	
		1.4	
		1.61	
		1.6	
		7.92	
12/16/2004	2072	0.48	
		1.55	
		0.66	
		0.37	

		0.43	
		0.44	
		0.55	
		2.13	
12/17/2004	1466	0.6	
		1.26	
		0.58	
		0.43	
		0.4	
		0.57	
		0.47	
		0.49	
		0.57	
12/20/2004	2140	0.47	
		0.67	
		0.6	
		0.43	
		0.41	
		0.38	
		0.42	
		0.53	
12/21/2004	2108	0.53	
		0.23	
		1.54	
		0.23	
		0.33	
		0.39	
		0.45	
		0.56	
		5.13	
12/21-22/2004		2.74	
		3.02	
		3.27	
		2.28	
		2.17	
		2.3	
12/22/2004	1772	0.59	
		7.45	
12/22/23/2005		1.52	
		1.04	
		1	
		0.85	

		1.11	
		1.02	
		1.05	
		1.41	
12/28/2004		12.3	
		14.5	
		14.3	
		15.4	
		2.01	
		0.94	
		0.92	
		0.76	
		1.41	
12/29/2004	1358	1.3	
		0.69	
		0.71	
		0.59	
		1	
		20.4	
		19.5	
		20	
		19.6	
12/30/2004	1000	2.19	
		0.7	
		0.74	
		0.99	
		0.47	
		1.13	
		0.75	
		1.06	
		1.76	
		1.99	
		1.78	
		1.06	
12/31/2004		0.5	
		0.8	
		1.25	
		0.73	
		1.01	
		1.97	
		2.65	
		0.61	
		0.99	
		1.33	

		1.53	
		1.07	
12/31/2004		0.95	
		1.18	
		0.73	
		1.42	
		1.11	
		0.71	
1/1/2005		1.04	
		1.03	
		0.97	
		1.01	
		0.87	
		1.47	
		1.13	
		1.53	
		1.08	
		1.55	
		3.73	
1/2/2005		1.87	
		0.97	
		1.21	
		3.77	
		2.5	
		2.36	
		1.98	
		1.49	
		1.85	
		1.54	
		1.43	
1/2-3/2005		1.25	
		1.25	
		1.82	
		2.71	
		1.95	
		2.59	
1/3/2005		1.67	
		3.48	
		2.62	
		1.75	
		2	

		2.11	
		2.86	
		3.23	
		1.98	
		2.03	
1/3-4/2005		2.47	
		2.86	
		2.21	
		1.96	
		1.76	
		1.58	
		1.24	
		2.29	
1/4/2005		1.46	
		1.45	
		1.85	
		1.35	
		4.55	
		2.69	
		1.75	
		2.27	
		1.91	
1/4-5/2005		1.25	
		3.55	
		1.5	
		2.68	
		2.11	
		1.23	
		1.28	
1/5/2005		4.33	
		25.8	
		3.01	
		2.39	
		2.62	
		2.02	
		1.87	
1/5/2005		1.79	
		1.55	
		2.59	

		3.89	
		7.88	
		7.95	
		4.65	
		2.69	
1/6/2005		1.84	
		1.68	
		2.57	
		1.61	
		1.7	
		1.2	
		1.46	
		1.73	
		1.31	
		0.71	
		1.03	
		1.11	
1/6-7/2005		1.98	
		1.75	
		2.01	
		1.44	
		0.89	
		1.24	
		0.88	
1/7/2005		2.53	
		1.73	
		1.56	
		2.31	
		3.89	
1/7-8/2005		5.25	
		5.46	
		8.92	
1/8/2005		1.76	
1/8-9/2005		4.77	
		3.54	
		3.14	
		2.75	
		3.78	
		3.88	
		4.46	
		4.82	
		4.7	

		3.75	
		4.37	
		5.25	
1/9/2005		4.54	
		4.34	
		4.79	
		4.9	
		4.29	
		4.63	
		3.76	
		3.78	
		3.3	
1/9-10/2005		3.35	
		3.85	
		3.14	
		3.14	
		3.01	
		2.73	
		2.71	
		2.74	
		2.14	
		3.85	
		2.37	
1/10-11/2005		8.95	
		9.36	
		3.28	
		8.24	
		2.73	
		4.28	
		5.38	
		2.23	
		4.23	
		6.52	
1/11/2005		6.92	
		7.52	
		5.41	
		3.54	
		3.06	
		1.3	
		2.25	
		1.27	
		1.39	
		1.4	

		1.19	
		0.87	
1/11-12/2005		1.95	
		2.32	
		2.03	
		1.72	
		1.91	
		2.78	
		2.76	
		3.06	
		2.88	
		2.83	
		2.94	
		4.19	
1/12/2005		4.26	
		4.52	
		4.33	
		3.88	
		4.18	
		2.81	
		2.32	
		2.37	
		2.62	
		2.45	
1/12-13/2005		3.06	
		2.97	
		3.18	
		2.86	
		2.51	
		3.27	
		2.12	
		2.73	
		3.15	
		2.72	
		2.28	
		4.91	
1/13/2005		4.77	
		4.1	
1/13-14/2005		4.8	
		13.8	
		2.61	
		8.06	
		4.46	

		10.48	
1/14/2005			
		11.9	
		4.81	
		2.46	
		1.9	
		6.15	
1/15/2005			
		9.26	
		17.8	
		4.16	
		7.29	
1/15-16/2005			
		11.3	
		12.1	
		2.64	
		5.57	
		1.54	
		6.05	
		4.55	
		5.05	
		5.76	
		5.6	
		4.8	
		3.11	
1/16/2005			
		2	
		2.31	
		1.52	
		1.56	
		1.08	
		1.03	
		0.86	
		1.11	
		0.57	
		0.91	
		1.99	
		0.76	
1/16-17/2005		0.97	
		0.85	
		0.52	
		0.63	
		0.87	
		1.14	
		1.45	

1/17/2005		1.13	
		2.33	
1/18/2005		3.21	
		3.74	
		2.55	
		2.27	
		1.7	
		3.68	
		2.15	
		2.4	
		1.98	
		5.7	
		6.78	
1/18-19/2005		2.47	
		3.54	
		2.17	
		2.71	
1/19/2005		5.46	
		4.49	
		3.92	
		3.28	
		3.78	
		4.89	
		6.65	
1/19-20/2005		5.14	
		6.49	
		7.22	
		4.52	
		4.28	
		3.29	
		2.63	
		2.7	
		3.33	
		1.85	
		2.1	
		1.69	
1/20/2005		2.48	
		3.41	
		4.03	
		2.23	
		2.28	
		1.71	

1/20-21/2005		1.65	
		1.68	
		2.36	
		5.8	
		2.17	
		2.72	
		2.89	
		6.18	
		7.6	
		5.02	
		4.7	
1/21/2005	1253	3.49	
		2.83	
		1.84	
		1.79	
		1.71	
		1.11	
		1.28	
		1.62	
		1.19	
		1.92	
		1.48	
		2.81	
1/21/2005		4.7	
		3.67	
		3.79	
		4.17	
		2.93	
		3.17	
1/22/2005		2.46	
		1.96	
		1.65	
		1.73	
		1.83	
		3.06	
		1.94	
		1.21	
		1.13	
		1.38	
		1.3	
1/23/2005		1.02	
		1.24	

		1.25	
		1.43	
		0.83	
		1.04	
		1.59	
		1.14	
		0.94	
		0.87	
		0.99	
1/23-24/2005		0.77	
		0.93	
		0.85	
		0.78	
		1.05	
		1.35	
1/24/2005		1.86	
		1.47	
		1.07	
		1.12	
		0.84	
		2.05	
		1.86	
		1.18	
1/24-25/2005		1.21	
		1.34	
		1.23	
		2.1	
		1.98	
		1.81	
		2.24	
1/25/2005		1.58	
		1.63	
		2.21	
		4.54	
		4.35	
		4.2	
		4.76	
		3.63	
		3.38	
1/25-26/2005		3.02	
		2.08	
		2.26	

		2.59	
		1.39	
		2.3	
1/26/2005			
		1.38	
		1.89	
		2.03	
		2.33	
		1.55	
		1.55	
		3.25	
		4.55	
		2.56	
1/27/2005			
		3.49	
		3.66	
		3.5	
1/28/2005			
		1.91	
		1.96	
		1.81	
		2.37	
		1.65	
1/28/2005			
		3.2	
		2.73	
		2.43	
		3.05	
		3.33	
1/29/2005			
		3.72	
		3.66	
		2.86	
		3.66	
		0.4	
1/29-30/2005			
		355	
		1.91	
		2.63	
		2.28	
		2.47	
		3.54	
		2.22	
1/30/2005			
		2.07	
		4.17	
		5.06	
		1.86	

		5.06	
		2.12	
		2.36	
1/30-31/2005		2.77	
		2.72	
		3.15	
		3.41	
		3.87	
		9.09	
		2.65	
		0.78	
1/31/2005		0.56	
		0.51	
		0.69	
		0.63	
		0.61	
		0.75	
		3.4	
2/2/2005		2.48	
		1.62	
		1.16	
		1.55	
		1.96	
		2.04	
		2.95	
		4.11	
		1.14	
		1.23	
2/2/2005			
		1.76	
		1.02	
		1.48	
		0.92	
		1.18	
2/3-4/2005		1.42	
		1.37	
		1.48	
		1.74	
		0.75	
		8.1	
		4.4	

2/7/2005	1800	2.66	
		1.22	
		1.93	
		5.4	
		2.21	
		2.28	
2/8/2005		1.89	
		1.42	
		2.44	
		2.04	
		1.35	
		2.08	
2/9/2005		1.53	
		1.49	
		1.59	
		1.51	
		1.32	
		1.24	
		1.9	
2/10/2005		1.27	
		1.22	
		1.53	
		1.87	
		1.53	
		1.86	
		1.29	
2/11/2005		2.17	
		1.66	
		1.55	
		1.25	
		1.01	
		0.69	
		1.13	
2/14/2005		1.42	
		1.79	
2/17/2005		1.26	
		1.37	
		0.9	
		0.93	
2/18/2005		1.21	

		0.74	
		0.74	
2/19/2005		0.73	
		0.51	
2/22/2005		1.05	
		0.47	
		0.62	
		0.82	
		0.84	
		0.96	
2/23/2005		0.64	
		0.48	
		1.31	
2/24/2005		1.25	
		3.38	
		1.09	
2/25/2005		1.8	
		1.98	
		2.97	
		1	
		1.38	
2/26/2005		0.5	
		0.4	
		0.57	
		0.68	
2/27/2005		0.33	
		0.52	
		0.51	
		0.33	
		0.39	
		0.4	
2/28/2005		1.95	
		1.01	
		0.78	
		0.56	
		0.35	
		0.51	
		0.5	

		0.48	
3/1/2005		0.78	
		0.39	
		0.33	
		0.48	
		0.44	
		0.44	
		0.4	
		0.41	
		0.45	
3/2/2005		2.89	
		1.39	
		1.15	
		0.8	
		0.74	
3/3/2005		1.77	
		1.6	
		1.64	
		1.78	
		1.64	
		1.26	
		1.65	
3/4/2005		1.75	
		2.56	
		2.54	
		2.32	
3/6/2005		3.24	
		5.77	
		5.01	
		5.21	
		4.82	
		2.53	
3/7/2005		1.46	
		1.36	
		0.73	
		0.52	
		1.47	
		1.48	
		1.07	
		1.13	

3/8/2005		0.87	
		0.58	
		0.67	
		1.04	
		0.51	
		0.45	
		0.59	
		0.77	
3/9/2005		1.7	
		0.69	
		0.66	
		0.57	
3/10/2005		0.45	
		0.88	
		0.49	
		0.78	
		0.38	
		0.4	
		0.49	
		0.59	
		0.56	
3/11/2005		0.46	
		0.56	
		0.43	
		0.35	
		0.48	
		0.41	
		0.62	
		0.49	
		0.46	
3/14/2005		0.35	
		0.39	
		0.59	
		0.5	
		0.43	
		0.62	
		0.33	
		0.42	
		0.4	
3/15/2005		0.78	
		0.63	
		0.5	

		0.51	
		0.69	
		0.64	
		0.58	
		0.53	
		0.32	
3/16/2005		0.61	
		0.63	
		0.59	
		0.55	
		0.8	
		0.66	
		0.75	
		0.71	
3/17/2005		0.89	
		0.89	
		0.78	
		0.58	
		0.55	
		0.42	
		0.72	
		0.52	
3/18/2005		1.21	
		0.26	
		0.4	
3/21/2005		0.82	
		0.56	
		0.44	
		0.33	
		0.34	
		0.29	
3/22/2005		0.63	
		0.22	
		0.51	
		0.24	
		0.38	
		0.29	
		0.26	
		0.31	
		0.42	
		0.35	

		0.33	
		0.31	
		0.59	
3/23/2005		0.51	
		0.35	
		0.55	
		0.59	
		0.49	
		0.51	
		0.47	
		0.41	
		0.59	
3/23/2005		0.51	
		0.35	
		0.55	
		0.59	
		0.49	
		0.51	
		0.47	
		0.41	
		0.72	
3/24/2005		0.62	
		0.7	
		0.65	
		0.86	
		0.78	
		0.88	
		0.75	
		1.07	
		0.34	
3/25/2005		0.37	
		0.47	
		0.39	
		0.44	
		0.48	
		0.58	
		0.39	
		0.33	
		0.34	
		0.3	
		0.35	
3/25/2005		0.73	

		0.71	
		0.75	
		0.67	
		0.71	
		0.58	
3/26/2005	1520		
		0.94	
		0.98	
		0.96	
		0.91	
		0.87	
3/28/2005			
		1.14	
		1.16	
		1.69	
		1.68	
		1.66	
		1.7	
		1.67	
		1.69	
		1.61	
		2.3	
		2.36	
		2.34	
3/29/2005			
		2.28	
		2.2	
		2.05	
		2.72	
		2.1	
		2.2	
		2.2	
		2.4	
		4.13	
		0.79	
		0.51	
		0.64	
3/29/2005		0.91	
		0.9	
		0.85	
		0.83	
		1.55	
		1.34	
		1.36	
		0.96	
		0.98	
		1.02	

		0.79	
		0.81	
3/30/2005		1.12	
		0.54	
		0.75	
		0.63	
		0.81	
		0.87	
		0.92	
		1.05	
		1.4	
		1.28	
		1.04	
3/30-31/2005		1.74	
		1.73	
		1.35	
		1.24	
		1.34	
		1.3	
		1.41	
		1.4	
		2.21	
		2.39	
		2.19	
		1.86	
3/31/2005		1.86	
		1.75	
		1.69	
		1.4	
		1.56	
		1.57	
		1.66	
		1.14	
		1.16	
		1.34	
4/1/2005		87	
AVERAGE	2720.916667	4.810046773	

Site 3			
Date	Influent NTU	Effluent NTU	Upstream NTU
12/31/2004	289	1	
1/1/2005	381	1	

	380	0	
	380	0	
	380	0	
	380	0	
1/3/2005	99.9	0.8	
	99.9	2	
	99.9	1.6	
	99.9	1.2	
	99.9	1.4	
	99.9	1.8	
	99.9	0.9	
	99.9	1.2	
	99.9	0.04	
	99.9		
1/4/2005	99.9	1.6	
	87.2	0.6	
	180.1		
1/5/2005		1.1	
		0.6	
		0.8	
		0.4	
		0.6	
		0.7	
		0.4	
		0.4	
		0.6	
1/11/2005	49.9	0.2	
	99.9	3.7	
	99.9	5.5	
	99.9	1.9	
		0.5	
		0.5	
1/12/2005	99.9	0.6	
	99.9	1.2	
	99.9	2.4	
	99.9	0.3	
		0.4	
1/25/2005		1.3	

		2.2	
		1.3	
2/7/2005		2.9	
		2.5	
		26	
2/10/2005		1.2	
		1.7	
		2	
		3.7	
		6.6	
		12.2	
		3	
2/11/2005		3.6	
		3.5	
		4.3	
		6.4	
		6.3	
		15	
		15.3	
		2.47	
2/14/2005		1.71	
		1.79	
		2.06	
		1.48	
		1.11	
		1.21	
		1.04	
2/23/2005	46.3	0.92	
		0.43	
		0.72	
2/24/2005	35.8	0.94	
		0.69	
		0.86	
		0.48	
		1.21	4.06
3/1/2005	48.2	0.84	
	6.6	0.72	
		0.72	
		0.46	9.23
3/3/2005	86.8		

		0.8	
		0.45	
		0.31	
		0.81	
		0.63	
		0.47	
		0.41	
3/4/2005	84.4	0.51	6.23
		0.55	
3/7/2005	76.5	0.38	4.35
		0.51	
3/24/2005	38.5	2.14	5.43
		2.08	
3/25/2005	37.1	1.12	5.41
		1.12	
		1.12	
		0.55	
		0.37	
		0.27	
		0.22	
		0.7	
		0.97	
		0.72	
		0.49	
		0.46	
		0.43	
4/12/2005	44.6.5	1.3	
		1.56	
		1.91	
AVERAGE	132.3777778	1.926037736	5.785

Site 4

Date:	Influent NTU	Effluent NTU #1*	Effluent NTU #2*	Upstream NTU
1/9/2005	143	2.63	1.35	28.7
		2.19	2.77	
		2.25	1.07	
		22.4	4.96	
		8.04	.3.4	
		17.2	16.6	
1/10/2005	82.7	0.75	2.85	4.1
		1.3	0.9	
		0.57	0.79	

			1.63	
			4.63	
1/12/2005	56.5	0.08	1.23	51.9
1/13/2005	230	1.01	1.28	33.5
		0.44	0.41	
		0.53	1.43	
		0.34	3.03	
		0.35	1.53	
1/14/2005		0.59		14.0
		1.07		
		0.52		
1/15/2005		0.34	1.14	17.0
		0.34	0.45	
		0.39	0.48	
			0.56	
1/16/2005	10.2	0.23	1.78	41.5
		0.58	0.33	
		0.34	0.23	
		0.33	0.46	
		0.26		
		0.12		
1/17/2005	90-10	1.5	1.2	32.7
		0.68	0.86	
		0.26	0.64	
1/18/2005	57.4	1.26	7.25	29.3
		0.34	1.1	
		0.56	0.94	
		0.57	0.51	
		0.63	0.65	
		0.85	0.8	
		0.7	0.48	
		0.44	0.41	
1/19/2005	631	0.5	0.4	18.0
		0.68	0.49	
		0.31	0.3	
		0.24		
		0.21	1.39	
		0.14	0.25	
		0.26	0.17	
		0.15	0.25	

1/24/2005	985	2.49	8.69	24.3
		16.9	40	
		6.32	3.97	
		1.2	0.45	
		0.8	0.77	
1/25/2005	533	1.2	1.5	24.8
	79	1.15	0.78	
			0.62	
			1.01	
			1.96	
1/31/2005	555	6.38	6.48	30.9
		2.77	3.45	
		1.3	1.6	
		0.86	4.84	
		8.57	18.8	
2/1/2005	550	2.42	4.27	57.3
		5.23	1.2	
		1.09	1.77	
		1.09	9.83	
2/8/2005	900	23	33.2	23.7
2/9/2005			0.91	
2/23/2005	313		8.42	27.5
			0.94	
			0.8	
			0.74	
			0.66	
2/24/2005	317	1.87		12.6
		1.45		
		1.43		
		1.06		
		0.65		
		0.84		
3/3/2005	549	1.21	0.54	29.0
	527	0.69	0.69	
	433	0.78	0.78	
	431	0.6	0.6	
	472		0.77	
		0.74	1.61	
		0.62	0.62	

				43.0
3/4/2005	530	0.91	1.18	
		0.51	1.64	
		0.46	1.11	
		0.48	0.73	
			0.78	
				49.0
3/5/2005	621	1.07	0.7	
		0.94	0.31	
		0.47		
		0.61		
		0.56		
		0.63		
		0.53		
		0.88		
AVERAGE	409.3545455	2.04862069	2.923170732	29.6

*We had to sample from two locations at this site
The average value of the summary sheet is the average of the two discharge averages

Site 5

Date	Background Turbidity Recorded (NTU)	Background pH recorded	Background Specific Conductance(uS/cm)	Pond NTU	Pond pH	Pond Specific Conductance(uS/cm)
1/29/2008	32.70	6.75	117	1563	N/A	N/A
1/30/2008	2.62	6.85	218	1020	6.58	106
1/31/2008	1.44	6.49	240	1780	6.54	95
2/1/2008	4.25	6.43	178	1090	6.6	95
2/4/2008	1.85	6.63	264	1410	6.65	94
2/5/2008	1.30	6.62	256	1120	6.66	98
2/6/2008	1.73	6.51	271	1020	7.21	97
2/7/2008	1.03	7.21	268	930	6.7	99
2/8/2008	0.92	6.64	216	899	6.86	101
2/11/2008	1.41	6.55	297	846	6.77	109
2/12/2008	2.30	6.86	298	1085	6.64	116
2/13/2008	1.82	6.97	307	1450	7.66	123
2/14/2008	2.88	7.63	304	1033	6.85	108
2/15/2008	4.57	7.28	320	1172	N/A	N/A
Average	**4.34**	**N/A**	**253.86**	**1172.71**	**N/A**	**103.42**

Date (mm/dd)	Time (HH:MM)	PreTreat In (NTU)	pH In	Tur Out (NTU)	pH Out	Flow
2/15	16:15	10.2	4.12	N/A	N/A	3360
2/15	16:00	81.6	7.77	2.0	8.10	9225
2/15	15:45	82.7	8.20	2.4	8.12	9144
2/15	15:30	77.1	8.19	2.7	8.09	9556

2/15	15:15	78.7	8.15	4.5	8.06	9135
2/15	15:00	77.9	7.50	2.9	7.99	10306
2/15	14:45	78.7	7.39	2.5	7.97	10602
2/15	14:30	76.7	7.28	3.1	7.97	10594
2/15	14:15	78.8	7.68	3.1	7.96	10225
2/15	14:00	78.8	7.46	3.8	7.91	10519
2/15	13:45	78.4	7.45	2.2	7.88	10617
2/15	13:30	79.5	7.34	2.8	7.89	10674
2/15	13:15	78.4	7.57	4.5	7.84	10487
2/15	13:00	77.1	7.48	3.1	7.79	10651
2/15	12:45	75.3	7.42	3.1	7.82	10561
2/15	12:30	75.5	7.51	4.4	7.84	10430
2/15	12:15	75.7	7.49	3.0	7.77	10537
2/15	12:00	74.1	7.46	2.6	7.77	10670
2/15	11:45	72.1	7.42	3.0	7.76	10535
2/15	11:30	72.4	7.53	2.9	6.89	10621
2/15	11:15	71.9	7.66	2.1	7.33	10546
2/15	11:00	71.1	7.95	2.5	7.67	9496
2/15	10:45	71.0	7.93	3.4	7.50	9757
2/15	10:30	71.6	7.91	3.9	7.68	9212
2/15	10:15	71.4	7.88	2.2	7.41	9182
2/15	10:00	71.4	7.85	2.1	7.10	9192
2/15	9:45	69.8	7.81	2.6	7.60	7150
2/14	16:00	75.1	7.41	N/A	N/A	250
2/14	15:45	78.4	7.89	3.2	7.88	9401
2/14	15:30	79.1	7.86	1.7	7.86	9430
2/14	15:15	80.4	7.76	2.0	7.84	8969
2/14	15:00	80.8	7.86	3.0	7.82	9529
2/14	14:45	82.2	7.87	1.3	7.82	9346
2/14	14:30	83.4	7.87	1.2	7.82	9382
2/14	14:15	84.8	7.86	2.3	7.79	9638
2/14	14:00	85.9	7.87	1.4	7.79	9243
2/14	13:45	87.9	7.87	1.0	7.78	9389
2/14	13:30	90.0	7.86	1.4	7.75	9496
2/14	13:15	92.0	7.87	1.1	7.77	9648
2/14	13:00	93.0	7.87	1.3	7.76	9275
2/14	12:45	94.3	7.85	1.9	7.80	9702
2/14	12:30	95.4	7.86	2.1	7.72	9483
2/14	12:15	97.2	7.87	1.2	7.72	9343
2/14	12:00	98.2	7.87	2.0	7.65	9554
2/14	11:45	97.7	7.88	1.5	7.63	9286

2/14	11:30	96.4	7.88	1.4	7.62	9406
2/14	11:15	95.3	7.88	2.3	7.63	9526
2/14	11:00	95.7	7.87	1.2	7.56	9491
2/14	10:45	96.1	7.85	1.5	7.56	9504
2/14	10:30	123.0	7.62	1.9	7.62	9362
2/14	10:15	97.0	7.79	1.6	7.11	9350
2/14	10:00	97.0	7.71	2.6	7.61	9341
2/14	9:45	96.9	7.76	1.4	7.69	9200
2/14	9:30	97.6	7.83	1.0	7.75	9382
2/14	9:15	29.0	9.48	N/A	N/A	812
2/14	8:45	N/A	N/A	N/A	N/A	17
2/13	16:00	N/A	N/A	N/A	N/A	N/A
2/13	15:45	105.3	6.93	1.9	7.92	7525
2/13	15:30	115.8	8.12	1.7	7.94	9164
2/13	15:15	109.0	8.14	2.7	7.95	9734
2/13	15:00	100.7	8.17	2.3	7.98	9150
2/13	14:45	93.6	8.17	2.1	8.00	9243
2/13	14:30	91.5	8.15	3.4	7.97	9391
2/13	14:15	91.5	8.13	2.6	7.99	9165
2/13	14:00	157.5	7.76	3.3	7.98	9270
2/13	13:45	91.4	8.13	2.9	7.93	9463
2/13	13:30	91.6	8.10	1.7	7.90	9167
2/13	13:15	91.6	8.07	1.7	7.90	9366
2/13	13:00	91.6	8.08	1.4	7.89	9367
2/13	12:45	92.4	8.10	1.8	7.89	9225
2/13	12:30	93.3	8.13	2.0	7.87	9359
2/13	12:15	94.4	8.10	1.5	7.82	9171
2/13	12:00	95.2	8.00	1.9	7.80	9370
2/13	11:45	95.0	8.01	1.4	7.75	9175
2/13	11:30	94.1	7.93	1.0	7.72	9196
2/13	11:15	94.2	7.83	1.8	7.73	9356
2/13	11:00	95.1	7.94	1.2	7.77	9252
2/13	10:45	96.3	7.79	1.8	7.79	9452
2/13	10:30	96.6	7.90	1.8	7.76	9280
2/13	10:15	96.8	7.89	1.4	7.76	9194
2/13	10:00	97.0	7.51	2.1	7.76	9511
2/13	9:45	97.2	7.77	1.9	7.74	9178
2/13	9:30	99.5	6.62	2.2	7.72	9396
2/13	9:15	11.5	8.09	N/A	N/A	770
2/12	16:00	10.1	4.04	N/A	N/A	1305
2/12	15:45	79.3	6.57	2.2	7.82	9625

2/12	15:30	95.2	7.91	1.7	7.81	9229
2/12	15:15	90.4	7.89	2.6	7.81	9378
2/12	15:00	89.3	7.92	1.9	7.81	9117
2/12	14:45	89.5	7.89	1.6	7.79	9258
2/12	14:30	89.6	7.86	2.5	7.79	9402
2/12	14:15	89.7	7.88	1.5	7.78	9208
2/12	14:00	88.8	7.87	1.5	7.78	9193
2/12	13:45	87.1	7.88	2.5	7.77	9351
2/12	13:30	85.9	7.86	1.3	7.74	9102
2/12	13:15	84.7	7.85	1.2	7.75	9144
2/12	13:00	83.6	7.84	1.9	7.73	9302
2/12	12:45	82.2	7.84	1.0	7.73	9070
2/12	12:30	78.0	7.86	1.0	7.73	9222
2/12	12:15	74.3	7.84	1.4	7.69	9386
2/12	12:00	74.6	7.80	1.0	7.69	9093
2/12	11:45	73.9	7.78	0.8	7.69	9172
2/12	11:30	72.4	7.80	1.1	7.71	9197
2/12	11:15	72.3	7.79	1.6	7.63	9418
2/12	11:00	72.4	7.77	0.9	7.69	9078
2/12	10:45	111.8	7.56	0.9	7.64	9086
2/12	10:30	71.9	7.74	1.1	7.67	9300
2/12	10:15	71.9	7.71	2.2	7.71	9343
2/12	10:00	71.8	7.73	1.0	7.71	9187
2/12	9:45	71.9	7.70	0.9	7.68	9225
2/12	9:30	71.8	7.62	1.2	7.61	9348
2/12	9:15	73.3	6.78	2.3	7.69	4958
2/11	17:00	N/A	N/A	N/A	N/A	N/A
2/11	16:45	76.2	8.24	1.2	7.72	7518
2/11	16:30	75.9	8.25	2.1	7.72	9486
2/11	16:15	76.2	8.27	1.1	7.72	9124
2/11	16:00	76.2	8.24	1.0	7.71	9233
2/11	15:45	76.5	8.19	1.3	7.71	9411
2/11	15:30	76.7	8.23	1.8	7.72	9211
2/11	15:15	76.7	8.24	1.1	7.71	9171
2/11	15:00	77.6	8.21	1.4	7.70	9215
2/11	14:45	78.6	8.18	1.4	7.67	9368
2/11	14:30	78.3	8.22	0.8	7.67	9141
2/11	14:15	77.8	8.20	0.8	7.68	9216
2/11	14:00	78.6	8.20	1.4	7.68	9482
2/11	13:45	79.2	8.22	1.0	7.67	9170
2/11	13:30	79.5	8.20	0.7	7.68	9150

2/11	13:15	78.6	8.22	1.0	7.71	9208
2/11	13:00	75.4	8.25	1.0	7.74	9343
2/11	12:45	72.5	8.29	0.8	7.75	9123
2/11	12:30	71.9	8.28	0.9	7.74	9243
2/11	12:15	71.8	8.22	1.1	7.72	9262
2/11	12:00	194.2	7.92	1.8	7.68	9467
2/11	11:45	70.5	8.24	1.0	7.68	9197
2/11	11:30	70.6	8.24	0.8	7.66	9147
2/11	11:15	70.5	8.18	1.0	7.64	9304
2/11	11:00	70.1	7.95	1.4	7.56	9354
2/11	10:45	61.2	8.30	2.0	7.50	3596
2/08	16:30	77.7	4.17	N/A	N/A	7858
2/08	16:15	89.5	7.15	2.1	7.27	9431
2/08	16:00	85.3	7.53	0.7	7.26	9226
2/08	15:45	85.9	7.52	0.7	7.25	9228
2/08	15:30	85.7	7.51	2.3	7.26	9505
2/08	15:15	85.5	7.52	0.9	7.26	9213
2/08	15:00	85.9	7.52	0.7	7.26	9230
2/08	14:45	87.6	7.50	1.8	7.25	9475
2/08	14:30	88.3	7.51	1.2	7.26	9217
2/08	14:15	88.2	7.50	0.6	7.25	9185
2/08	14:00	87.3	7.45	1.1	7.23	9429
2/08	13:45	87.9	7.48	0.9	7.23	9185
2/08	13:30	88.8	7.46	0.7	7.21	9231
2/08	13:15	89.6	7.39	1.2	7.20	9526
2/08	13:00	90.2	7.41	0.8	7.27	9284
2/08	12:45	91.5	7.42	0.9	7.26	9299
2/08	12:30	90.8	7.32	1.1	7.28	9621
2/08	12:15	89.7	7.41	0.7	7.27	9364
2/08	12:00	87.7	7.39	1.0	7.25	9604
2/08	11:45	88.8	7.40	1.0	7.26	9433
2/08	11:30	89.4	7.40	0.8	7.25	9488
2/08	11:15	90.0	7.35	1.2	7.25	9664
2/08	11:00	127.0	7.50	0.8	7.25	9324
2/08	10:45	91.3	7.49	1.0	7.23	9570
2/08	10:30	91.2	7.67	1.3	7.23	9460
2/08	10:15	90.6	7.85	0.8	7.22	9419
2/08	10:00	90.3	7.83	0.9	7.16	9562
2/08	9:45	94.0	7.98	1.3	7.03	9700
2/08	9:30	93.3	8.69	N/A	N/A	9785
2/08	9:15	66.6	9.71	N/A	N/A	5083

2/08	8:45	0.0	6.32	N/A	N/A	139
2/07	16:45	36.0	4.36	N/A	N/A	4248
2/07	16:30	103.8	7.28	0.7	7.14	9443
2/07	16:15	104.9	7.25	1.2	7.13	9662
2/07	16:00	103.1	7.31	0.9	7.15	9344
2/07	15:45	105.4	7.31	0.9	7.14	9517
2/07	15:30	112.6	7.31	1.1	7.16	9474
2/07	15:15	119.5	7.32	1.0	7.14	9616
2/07	15:00	124.0	7.37	1.2	7.16	9375
2/07	14:45	132.4	7.31	1.4	7.16	9571
2/07	14:30	122.0	7.38	1.0	7.16	9378
2/07	14:15	127.2	7.27	1.3	7.18	9534
2/07	14:00	129.9	7.27	1.2	7.16	9583
2/07	13:45	137.5	7.28	1.3	7.18	9476
2/07	13:30	112.2	7.07	1.5	7.19	9741
2/07	13:15	86.0	7.23	0.8	7.20	9319
2/07	13:00	71.4	7.20	0.8	7.19	9495
2/07	12:45	70.9	7.14	1.4	7.20	9575
2/07	12:30	70.7	7.18	0.8	7.20	9297
2/07	12:15	70.6	7.10	0.7	7.19	9338
2/07	12:00	70.8	6.94	0.9	7.17	9604
2/07	11:45	71.3	6.99	1.1	7.17	9406
2/07	11:30	71.4	6.75	0.7	7.16	9376
2/07	11:15	139.8	6.39	0.8	7.14	9380
2/07	11:00	70.7	6.41	1.4	7.13	9590
2/07	10:45	71.1	6.51	0.9	7.12	9334
2/07	10:30	71.2	6.63	0.8	7.09	9378
2/07	10:15	71.1	6.79	1.0	6.97	9575
2/07	10:00	74.2	6.93	N/A	N/A	8289
2/06	17:00	N/A	N/A	N/A	N/A	N/A
2/06	16:45	79.1	7.50	2.3	7.14	5785
2/06	16:30	79.5	7.50	0.8	7.14	9440
2/06	16:15	79.1	7.50	1.3	7.15	9622
2/06	16:00	78.6	7.51	1.6	7.18	9322
2/06	15:45	78.2	7.50	0.7	7.17	9378
2/06	15:30	77.5	7.48	0.9	7.16	9504
2/06	15:15	76.9	7.48	1.6	7.19	9242
2/06	15:00	75.4	7.47	0.6	7.18	9409
2/06	14:45	74.2	7.46	0.9	7.17	9341
2/06	14:30	72.6	7.44	1.7	7.19	9484
2/06	14:15	70.0	7.43	0.7	7.20	9194

2/06	14:00	68.9	7.41	0.6	7.20	9297
2/06	13:45	68.8	7.35	0.9	7.19	9461
2/06	13:30	69.4	7.39	1.4	7.22	9192
2/06	13:15	69.5	7.36	0.6	7.22	9329
2/06	13:00	69.3	7.32	0.7	7.21	9311
2/06	12:45	69.4	7.22	1.5	7.20	9519
2/06	12:30	69.3	7.27	1.1	7.22	9200
2/06	12:15	69.4	7.23	0.6	7.21	9319
2/06	12:00	69.1	7.17	0.7	7.20	9366
2/06	11:45	69.3	7.05	1.7	7.19	9529
2/06	11:30	69.4	7.02	0.9	7.20	9352
2/06	11:15	69.7	6.87	0.7	7.19	9412
2/06	11:00	69.7	6.81	1.0	7.17	9353
2/06	10:45	69.7	6.60	1.8	7.16	9608
2/06	10:30	69.7	6.47	0.8	7.13	9340
2/06	10:15	69.6	6.49	0.7	7.10	9470
2/06	10:00	70.5	6.85	0.9	6.99	9430
2/06	9:45	71.1	5.68	1.3	6.70	9928
2/06	9:30	61.5	3.92	N/A	N/A	1493
2/06	9:15	25.6	3.82	N/A	N/A	N/A
2/05	16:45	42.1	N/A	N/A	N/A	N/A
2/05	16:30	76.7	7.54	3.1	7.18	7251
2/05	16:15	77.4	7.55	1.5	7.18	9249
2/05	16:00	77.5	7.54	0.7	7.15	9250
2/05	15:45	78.1	7.50	1.1	7.11	9573
2/05	15:30	79.1	7.53	1.7	7.20	9228
2/05	15:15	80.0	7.53	0.8	7.20	9349
2/05	15:00	81.0	7.49	1.0	7.18	9500
2/05	14:45	81.9	7.49	1.9	7.20	9315
2/05	14:30	81.8	7.48	0.8	7.20	9364
2/05	14:15	82.2	7.45	1.0	7.18	9401
2/05	14:00	82.3	7.38	1.7	7.21	9717
2/05	13:45	82.9	7.37	0.9	7.21	9362
2/05	13:30	83.2	7.39	1.0	7.20	9401
2/05	13:15	83.0	7.29	1.3	7.21	9555
2/05	13:00	82.8	7.31	0.8	7.20	9299
2/05	12:45	82.8	7.32	1.0	7.18	9404
2/05	12:30	82.8	7.27	1.2	7.19	9346
2/05	12:15	83.6	7.35	0.8	7.18	9334
2/05	12:00	83.4	7.34	1.1	7.15	9542
2/05	11:45	82.5	7.19	1.4	7.20	9639

2/05	11:30	82.6	7.22	0.8	7.19	9389
2/05	11:15	82.5	7.12	1.0	7.15	9476
2/05	11:00	82.1	7.18	1.2	7.20	9376
2/05	10:45	81.3	7.22	0.9	7.19	9378
2/05	10:30	80.6	7.00	1.4	7.17	9585
2/05	10:15	79.1	6.99	1.2	7.19	8984
2/05	10:00	79.2	6.99	1.0	7.16	8951
2/05	9:45	79.3	6.84	1.3	7.07	8998
2/05	9:30	77.9	5.65	N/A	N/A	6701
2/05	9:15	N/A	N/A	N/A	N/A	N/A
2/05	9:00	N/A	3.99	N/A	N/A	N/A
2/04	20:00	92.0	6.76	N/A	N/A	368
2/04	19:45	90.8	6.71	1.2	7.16	9886
2/04	19:30	91.8	7.20	1.3	7.19	10169
2/04	19:15	93.3	7.12	2.3	7.28	9630
2/04	19:00	94.9	7.54	1.7	7.31	9269
2/04	18:45	95.6	7.43	1.9	7.30	9162
2/04	18:30	96.2	7.39	1.9	7.31	9375
2/04	18:15	97.4	7.09	1.2	7.29	9003
2/04	18:00	97.9	6.96	1.5	7.27	9360
2/04	17:45	99.4	7.56	1.3	7.30	9150
2/04	17:30	106.9	8.85	1.2	7.28	8952
2/04	17:15	106.4	5.29	2.1	7.30	9551
2/04	17:00	98.0	4.06	1.6	7.31	8978
2/04	16:45	96.5	4.20	1.9	7.30	9294
2/04	16:30	95.8	4.45	1.8	7.32	9279
2/04	16:15	94.8	4.65	1.6	7.31	9022
2/04	16:00	93.0	4.89	2.3	7.30	9373
2/04	15:45	90.9	5.31	1.6	7.34	9035
2/04	15:30	89.1	6.01	1.6	7.32	9021
2/04	15:15	85.1	6.94	2.5	7.32	9382
2/04	15:00	82.5	7.11	1.5	7.33	8503
2/04	14:45	81.6	6.88	1.2	7.32	8460
2/04	14:30	81.1	6.35	1.6	7.30	8553
2/04	14:15	81.0	6.14	2.0	7.33	9474
2/04	14:00	81.4	6.73	1.4	7.32	9103
2/04	13:45	85.7	7.59	1.6	7.30	9042
2/04	13:30	83.8	5.79	2.3	7.27	9485
2/04	13:15	76.4	5.24	1.6	7.30	9058
2/04	13:00	72.1	5.46	1.2	7.28	9042
2/04	12:45	69.7	5.73	1.4	7.24	9206

2/04	12:30	69.7	6.03	2.0	7.09	9582
2/04	12:15	77.5	6.97	1.6	6.90	7070
2/04	12:00	N/A	N/A	N/A	N/A	N/A
2/04	11:45	N/A	N/A	N/A	N/A	N/A
2/04	11:30	N/A	N/A	N/A	N/A	N/A
2/04	10:15	N/A	2.24	N/A	N/A	74
2/01	16:00	80.7	7.45	1.8	7.22	6154
2/01	15:45	79.6	7.45	2.8	7.19	8709
2/01	15:30	76.5	7.43	3.5	7.24	7798
2/01	15:15	74.4	7.42	1.6	7.22	7908
2/01	15:00	75.8	7.41	1.4	7.22	7888
2/01	14:45	76.5	7.41	1.6	7.20	7922
2/01	14:30	76.3	7.41	2.6	7.19	8679
1/31	15:45	82.1	7.47	1.8	7.20	8503
1/31	15:30	82.4	7.46	1.8	7.26	8232
1/31	15:15	82.7	7.45	1.3	7.25	8030
1/31	15:00	82.9	7.43	1.5	7.22	8080
1/31	14:45	84.1	7.39	2.0	7.18	8895
1/31	14:30	84.6	7.32	1.6	7.24	8032
1/31	14:15	84.5	7.29	1.4	7.23	8075
1/31	14:00	84.8	7.24	1.7	7.20	7988
1/31	13:45	84.9	7.31	1.9	7.22	8825
1/31	13:30	84.7	7.10	1.4	7.21	7999
1/31	13:15	84.2	7.05	1.4	7.19	8093
1/31	13:00	82.7	6.96	1.8	7.15	8281
1/31	12:45	82.2	6.60	0.0	0.00	4786
1/31	12:00	80.9	7.19	2.1	7.22	8141
1/31	11:45	79.9	6.92	1.5	7.21	8131
1/31	11:30	79.4	6.80	1.4	7.18	8147
1/31	11:15	79.3	6.89	2.0	7.10	8546
1/31	11:00	83.5	6.53	3.4	6.94	8345
1/31	10:45	N/A	N/A	N/A	N/A	N/A
1/31	10:30	N/A	N/A	N/A	N/A	N/A
1/31	10:15	N/A	N/A	N/A	N/A	N/A
1/31	10:00	N/A	N/A	N/A	N/A	N/A
1/31	9:45	N/A	N/A	N/A	N/A	N/A
1/31	9:30	N/A	N/A	N/A	N/A	N/A
1/31	9:15	27.6	6.96	N/A	N/A	49
1/30	19:15	88.3	7.49	2.2	7.22	4717
1/30	19:00	88.9	7.50	1.8	7.21	8960
1/30	18:45	89.5	7.50	3.0	7.17	9243

1/30	18:30	90.1	7.49	2.6	7.19	9105
1/30	18:15	90.3	7.48	3.9	7.08	9413
1/30	18:00	90.3	7.48	2.1	7.17	9056
1/30	17:45	91.1	7.47	2.6	7.09	9404
1/30	17:30	91.1	7.44	2.5	7.19	9057
1/30	17:15	91.7	7.42	2.2	7.15	9015
1/30	17:00	93.0	7.41	2.9	7.06	9445
1/30	16:45	93.0	7.38	2.5	7.18	9041
1/30	16:30	92.8	7.33	2.2	7.13	9034
1/30	16:15	94.0	7.35	3.2	6.96	9497
1/30	16:00	95.4	7.26	3.1	7.19	9013
1/30	15:45	97.8	7.26	2.4	7.17	8963
1/30	15:30	98.4	7.34	2.9	7.13	9399
1/30	15:15	101.8	7.22	2.9	7.17	9003
1/30	15:00	102.9	7.24	2.9	7.11	9159
1/30	14:45	100.6	7.11	2.8	7.15	9270
1/30	14:30	97.7	7.21	2.9	7.10	8997
1/30	14:15	94.8	7.32	2.6	7.01	9535
1/30	14:00	98.5	7.20	2.8	6.92	9258
1/30	13:45	111.9	6.50	N/A	N/A	5146
1/30	13:30	N/A	N/A	N/A	N/A	N/A
1/30	13:15	N/A	N/A	N/A	N/A	N/A
1/30	13:00	N/A	N/A	N/A	N/A	N/A
1/30	12:45	73.8	7.89	N/A	N/A	N/A
1/29	23:15	N/A	N/A	N/A	N/A	N/A
1/29	23:00	91.5	7.62	1.5	7.28	2245
1/29	22:45	91.6	7.62	4.5	7.26	9032
1/29	22:30	91.4	7.61	4.8	7.10	9188
1/29	22:15	91.8	7.61	1.7	7.25	9442
1/29	22:00	92.6	7.59	4.0	7.22	9019
1/29	21:45	92.3	7.57	1.3	6.97	9577
1/29	21:30	91.8	7.52	6.2	7.18	9118
1/29	21:15	96.4	7.59	4.8	7.11	9252
1/29	21:00	93.8	8.02	N/A	N/A	7818
1/29	20:30	N/A	N/A	N/A	N/A	N/A
1/29	20:15	N/A	N/A	N/A	N/A	N/A
1/29	20:00	N/A	N/A	N/A	N/A	N/A
1/29	19:45	N/A	N/A	N/A	N/A	N/A
1/29	19:30	93.7	8.69	N/A	N/A	4983
1/29	19:15	100.3	8.89	N/A	N/A	8471
1/29	19:00	N/A	N/A	N/A	N/A	N/A

1/29	18:45	N/A	N/A	N/A	N/A	N/A
1/29	18:30	N/A	N/A	N/A	N/A	N/A
1/29	18:15	N/A	N/A	N/A	N/A	N/A
1/29	18:00	N/A	N/A	N/A	N/A	N/A
1/29	17:45	N/A	N/A	N/A	N/A	N/A
1/29	17:30	N/A	N/A	N/A	N/A	N/A
1/29	17:15	N/A	N/A	N/A	N/A	N/A
1/29	17:00	N/A	N/A	N/A	N/A	N/A
1/29	16:45	N/A	N/A	N/A	N/A	N/A
1/29	16:30	N/A	N/A	N/A	N/A	N/A
1/29	15:45	N/A	N/A	N/A	N/A	N/A
1/29	15:30	N/A	N/A	N/A	N/A	N/A
1/29	15:15	N/A	N/A	N/A	N/A	N/A
1/29	15:00	N/A	N/A	N/A	N/A	N/A
1/29	14:45	N/A	N/A	N/A	N/A	N/A
1/29	14:30	N/A	N/A	N/A	N/A	N/A
1/29	14:15	N/A	N/A	N/A	N/A	N/A
1/29	14:00	N/A	N/A	N/A	N/A	N/A
1/29	13:45	N/A	N/A	N/A	N/A	N/A
1/29	13:30	24.5	3.33	N/A	N/A	19
1/29	13:00	39.8	4.04	N/A	N/A	N/A
1/29	12:15	5.8	5.57	N/A	N/A	N/A
1/29	12:00	N/A	N/A	N/A	N/A	N/A
1/29	11:45	N/A	N/A	N/A	N/A	N/A
1/29	11:30	N/A	N/A	N/A	N/A	N/A
1/29	11:15	N/A	N/A	N/A	N/A	N/A
1/29	11:00	N/A	N/A	N/A	N/A	N/A
1/29	10:45	N/A	N/A	N/A	N/A	N/A
1/29	10:30	N/A	N/A	N/A	N/A	N/A
1/29	10:15	N/A	N/A	N/A	N/A	N/A
1/29	10:00	N/A	N/A	N/A	N/A	N/A
1/29	9:45	N/A	N/A	N/A	N/A	N/A
1/29	9:30	N/A	N/A	N/A	N/A	N/A
1/29	9:15	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	3068710
Totals						
Average		83.8		1.7		
Median		82.8		1.5		

Site 6

Date	Influent NTU	Effluent NTU	Upstream NTU

11/8-11/12	434	5.9	28.7
	408	6.6	22.3
	308	4.6	16.4
	1000+	7.1	21.7
	672	3.8	63.5
	444	7.1	48.5
11/13/2005		6.87	45.1
		13	
		0.1	
		1.85	
		0.91	
		1.47	
		1.77	
		1.65	
		1.79	
		3.02	
11/14-11/16	516	3.9	44.6
		2.7	58.5
11/18/2004	951		
12/29/2004		1.19	
		1.53	
		1.55	
		1.45	
12/30/2004		0.95	
		0.46	
		0.56	
		0.34	
1/1/2005		6.03	
		37.8	
		45.5	
		25.4	
		46.5	
1/2/2005		6.39	6.39
		4.52	2.03
		4.02	
		2.03	
2/18/2005		0.43	
		0.38	

		0.45	
		0.26	
		0.54	
2/22/2005			
		0.65	
		0.83	
		0.74	
		0.85	
2/23/2005		0.7	
		0.86	
		2.5	
2/25/2005	610	2.53	
		1.54	
		1.06	
2/28/2005		2.7	
		2.16	
		1.39	
3/2/2005		1.46	
		2.29	
		1.89	
		1.23	
3/3/2005		2.98	
		1.68	
		2.27	
3/4/2005		2.9	
		2.36	
		2.39	6.6
3/7/2005			
		3.7	6.5
3/22/2005	209		
		2.73	
3/23/2005	517	2.74	
3/24/2005	524		
AVERAGE	508.4545455	4.72030303	28.52461538

Site 7

Date	Background Turbidity Recorded (NTU)	Background pH recorded	Background Specific Conductance(uS/cm)	Pond NTU	Pond pH	Pond Specific Conductance(uS/cm)
12/17/2007	26.70	7.51	903	N/A	N/A	N/A
12/19/2007	32.70	7.42	411	N/A	N/A	N/A
12/20/2007	38.40	7.93	373	708	10.6	310
12/21/2007	35.00	7.59	1036	211	10.13	412
1/4/2008	78.30	7.27	246	N/A	N/A	N/A
1/6/2008	57.20	7.81	376	N/A	N/A	N/A
1/8/2008	62.00	7.81	421	N/A	N/A	N/A
1/9/2008	38.90	7.43	1012	N/A	N/A	N/A
1/10/2008	181.00	6.99	985	N/A	N/A	N/A
1/29/2008	16.40	8.08	873	N/A	N/A	N/A
2/1/2008	35.40	7.87	722	N/A	N/A	N/A
2/26/2008	19.30	8.08	883	397	8.97	244
2/27/2008	22.60	7.86	1025	280	8.4	275
Average	**49.53**	**N/A**	**712.77**	**399.00**	**N/A**	**310.25**

Date (mm/dd)	Time (HH:MM)	PreTreat In (NTU)	pH In	Tur Out (NTU)	pH Out	Flow
2/27	12:30	18.5	3.71	N/A	N/A	322
2/27	12:15	58.8	7.36	0.6	7.54	15971
2/27	12:00	57.7	7.44	0.6	7.57	16748
2/27	11:45	59.7	7.62	0.6	7.66	16645
2/27	11:30	61.0	7.79	0.8	7.85	16455
2/27	11:15	64.8	7.93	1.1	7.79	17132
2/27	11:00	63.5	7.96	1.0	7.80	16399
2/27	10:45	61.5	7.91	1.2	7.79	16607
2/27	10:30	76.9	7.81	1.5	7.65	17735
2/27	10:15	65.8	7.77	1.3	7.55	17615
2/27	10:00	62.2	8.62	1.4	7.61	17574
2/27	9:45	26.0	7.55	N/A	N/A	2484
2/26	16:00	280.2	4.51	N/A	N/A	45
2/26	15:45	94.2	8.01	1.5	7.77	13777
2/26	15:30	95.0	7.86	1.0	7.64	17865
2/26	15:15	89.7	7.70	0.8	7.60	17501
2/26	15:00	97.0	7.71	1.0	7.72	17708
2/26	14:45	96.5	8.05	2.1	7.97	17911
2/26	14:30	101.4	8.12	1.8	7.90	17559
2/26	14:15	88.3	7.87	0.9	7.73	17848
2/26	14:00	86.2	7.85	0.8	7.80	17716
2/26	13:45	81.7	8.10	1.3	7.98	17242
2/26	13:30	72.6	7.88	1.0	7.81	17599
2/26	13:15	69.8	7.83	0.7	7.69	17137
2/26	13:00	71.2	7.73	0.7	7.51	17570
2/26	12:45	68.0	7.66	0.5	7.45	17183

2/26	12:30	69.3	7.55	0.7	7.41	17597
2/26	12:15	79.4	7.63	1.1	7.59	17277
2/26	12:00	81.8	7.67	2.4	7.76	17893
2/26	11:45	76.6	7.75	2.1	7.79	17344
2/26	11:30	73.7	7.71	1.6	7.69	16828
2/26	11:15	68.9	7.37	1.1	7.46	17653
2/26	11:00	72.9	7.39	0.5	7.36	17784
2/26	10:45	82.6	7.69	0.4	7.32	16731
2/26	10:30	69.6	8.14	N/A	N/A	7721
2/26	10:00	27.2	9.44	N/A	N/A	N/A
2/26	9:45	11.0	9.72	N/A	N/A	N/A
2/01	17:45	183.6	7.52	5.8	7.87	1488
2/01	17:30	201.3	7.47	5.9	7.76	16368
2/01	17:15	199.8	7.26	5.1	7.62	16155
2/01	17:00	209.1	7.31	4.4	7.70	16460
2/01	16:45	187.3	7.49	5.0	7.99	16651
2/01	16:30	139.2	7.54	4.6	7.99	17335
2/01	16:15	134.8	7.49	2.5	7.87	15461
2/01	16:00	159.5	7.37	3.6	7.72	17632
2/01	15:45	127.0	7.40	2.2	7.77	15645
2/01	15:30	118.1	7.65	3.8	8.02	16228
2/01	15:15	111.6	7.63	3.6	7.96	17396
2/01	15:00	118.0	7.57	3.8	7.96	17301
2/01	14:45	116.3	7.77	9.9	8.09	17689
2/01	14:30	127.1	8.12	14.8	8.29	15361
2/01	14:15	132.7	8.22	10.6	7.03	15386
2/01	14:00	160.0	8.32	13.3	7.25	16603
2/01	13:45	179.7	8.60	N/A	N/A	17689
2/01	13:30	162.2	7.91	N/A	N/A	13842
2/01	12:45	151.0	7.40	N/A	N/A	13099
2/01	11:30	3.2	5.97	N/A	N/A	10
2/01	11:15	N/A	2.04	N/A	N/A	28
1/10	14:00	99.7	7.62	3.1	7.77	2870
1/10	13:45	89.5	7.74	4.1	7.84	10880
1/10	13:30	98.4	7.69	2.6	7.86	9458
1/10	13:15	106.1	7.63	4.3	7.79	10305
1/10	13:00	114.5	7.52	2.7	7.63	10137
1/10	12:45	122.8	7.38	2.1	7.55	10029
1/10	12:30	123.1	7.43	2.7	7.51	10716
1/10	12:15	130.8	7.30	1.7	7.29	9768
1/10	12:00	126.7	7.40	2.6	7.42	10487
1/10	11:45	131.7	7.62	5.2	7.62	10343
1/10	11:30	133.1	7.76	6.8	7.94	10451
1/10	11:15	126.7	7.57	5.2	7.72	10402
1/10	11:00	125.8	7.35	3.5	7.59	10216
1/10	10:45	150.9	7.40	2.8	7.59	9793
1/10	10:30	174.8	7.54	3.8	7.62	11674
1/10	10:15	97.6	7.23	2.5	7.39	16343

1/10	10:00	97.5	7.13	3.0	7.14	17238
1/10	9:45	104.7	7.04	2.7	7.00	17363
1/10	9:30	120.2	7.06	2.7	6.86	17862
1/10	9:15	81.1	7.85	2.8	7.11	17130
1/10	9:00	99.1	8.81	0.9	7.22	2745
1/10	8:30	2.1	5.75	N/A	N/A	N/A
1/09	18:30	130.9	7.36	9.5	7.27	14141
1/09	18:15	153.6	7.36	3.6	7.29	15966
1/09	18:00	182.6	7.23	4.8	7.25	16402
1/09	17:45	196.1	7.10	15.8	7.11	15950
1/09	17:30	240.6	6.98	9.5	7.08	16039
1/09	17:15	329.1	7.04	16.6	6.83	16961
1/09	17:00	356.8	6.98	N/A	N/A	16586
1/09	16:45	273.6	7.69	N/A	N/A	2831
1/09	16:15	309.4	7.44	N/A	N/A	7370
1/09	16:00	210.6	7.32	N/A	N/A	16827
1/09	15:45	239.0	7.21	11.5	7.21	16606
1/09	15:30	195.6	7.02	7.1	7.01	16755
1/09	15:15	145.9	6.90	5.3	7.01	16144
1/09	15:00	149.0	6.80	7.2	7.04	17301
1/09	14:45	171.1	6.70	8.0	6.99	17141
1/09	14:30	208.6	6.65	10.7	6.91	16432
1/09	14:15	277.7	6.58	15.4	6.85	17136
1/09	14:00	351.9	6.52	32.5	6.99	17057
1/09	13:45	411.9	6.50	16.6	7.17	10333
1/09	13:00	7.0	6.90	N/A	N/A	N/A
1/09	12:45	2.1	7.04	N/A	N/A	N/A
1/09	12:30	2.1	6.71	N/A	N/A	N/A
1/06	12:00	225.9	9.07	32.4	8.21	7094
1/06	11:45	230.7	8.77	43.4	7.46	16577
1/06	11:30	243.7	8.66	40.5	8.19	16506
1/06	11:15	240.0	8.48	35.5	7.93	16100
1/06	11:00	250.8	8.19	27.1	7.38	17001
1/06	10:45	292.3	8.44	32.4	7.88	16507
1/06	10:30	303.3	7.62	17.5	7.32	16820
1/06	10:15	352.1	8.03	35.0	7.69	16670
1/06	10:00	348.2	8.51	44.9	8.14	16090
1/06	9:45	323.0	8.55	36.3	7.92	16695
1/06	9:30	293.8	8.08	7.6	7.73	16732
1/06	9:15	270.7	7.29	2.2	7.48	16742
1/06	9:00	290.8	7.85	1.2	7.78	16714
1/06	8:45	154.9	9.22	N/A	N/A	1489
1/06	8:30	64.6	9.70	N/A	N/A	N/A
1/06	8:15	71.2	9.96	N/A	N/A	N/A
1/04	22:30	92.2	7.09	N/A	N/A	N/A
1/04	21:00	192.9	8.46	49.4	8.28	923
1/04	20:45	188.5	8.72	34.5	8.06	14198
1/04	20:30	195.7	8.51	23.5	7.40	14870

1/04	20:15	195.6	8.08	23.9	7.07	15283
1/04	20:00	171.8	8.63	38.3	7.92	13934
1/04	19:45	186.4	8.46	19.0	7.59	14910
1/04	19:30	203.5	7.67	20.4	7.13	15017
1/04	19:15	211.1	7.00	10.1	6.56	14737
1/04	19:00	213.8	7.06	11.5	6.86	7186
1/04	18:45	200.3	8.71	45.6	8.19	13984
1/04	18:30	204.3	8.65	24.2	7.50	14040
1/04	18:15	216.1	7.79	19.8	6.92	14570
1/04	18:00	220.9	8.76	49.5	7.99	14469
1/04	17:45	231.9	8.79	38.0	7.75	13855
1/04	17:30	249.1	7.61	17.9	6.96	13913
1/04	17:15	248.2	7.49	24.7	7.04	14392
1/04	17:00	252.1	8.67	48.3	7.98	13676
1/04	16:45	245.7	8.68	36.4	7.54	15261
1/04	16:30	241.6	8.86	43.0	7.77	7510
1/04	16:15	250.8	8.76	49.7	8.20	10406
1/04	16:00	225.5	8.23	26.7	7.63	12851
1/04	15:45	170.8	8.27	20.3	8.05	12800
1/04	15:30	164.6	7.80	24.2	7.57	14021
1/04	15:15	142.7	6.95	8.4	7.10	13442
1/04	15:00	133.6	8.30	14.0	8.06	13484
1/04	14:45	128.7	8.13	11.2	7.86	12883
1/04	14:30	122.1	7.31	9.5	7.31	14457
1/04	14:15	115.2	8.56	16.5	8.20	13608
1/04	14:00	119.8	8.26	8.4	8.11	12952
1/04	13:45	138.7	8.15	12.2	7.67	13714
1/04	13:30	174.4	8.36	31.3	8.25	13417
1/04	13:15	224.5	7.90	49.5	8.13	13717
1/04	13:00	262.6	8.11	49.4	8.25	13223
1/04	12:45	274.4	7.73	36.8	7.65	13683
1/04	12:30	271.0	8.09	39.6	7.89	13833
1/04	12:15	178.4	8.13	22.3	7.70	12856
1/04	12:00	158.6	7.30	8.1	7.18	12993
1/04	11:45	172.2	6.75	6.0	6.75	13542
1/04	11:30	198.1	6.55	2.3	6.50	12029
1/04	11:15	189.9	7.64	18.5	7.72	12423
1/04	11:00	194.7	8.45	16.8	7.36	13266
1/04	10:45	201.6	7.46	3.7	6.76	12599
1/04	10:30	216.6	6.68	1.8	6.56	10445
1/04	10:15	243.7	7.28	11.5	7.33	7797
1/04	10:00	258.7	8.77	26.9	8.20	9544
1/04	9:45	266.8	8.35	9.5	7.79	10633
1/04	9:30	285.1	8.13	19.6	7.90	10253
1/04	9:15	317.8	8.15	13.8	7.66	10175
1/04	9:00	382.3	7.43	7.8	7.06	11459
1/04	8:45	497.1	7.64	31.4	6.91	11714
1/04	8:30	578.9	8.14	48.5	7.92	9109

1/04	8:15	561.8	8.37	49.5	8.05	10644
1/04	8:00	535.3	8.99	49.7	8.45	10949
1/04	7:45	572.9	9.03	49.7	7.96	4032
1/04	7:30	473.2	8.77	49.7	7.81	13824
1/04	7:15	462.1	8.44	49.6	7.79	13079
1/04	7:00	322.8	8.05	39.6	7.51	12142
12/21	6:45	21.5	6.39	0.0	0.00	164
12/21	14:45	122.9	7.85	0.0	0.00	143
12/21	14:30	118.9	8.36	5.9	7.45	12329
12/21	14:15	119.2	8.35	3.7	7.36	14341
12/21	14:00	139.2	8.02	1.9	7.28	6862
12/21	13:45	149.2	8.62	4.8	8.26	10393
12/21	13:15	158.1	7.94	2.5	7.33	15020
12/21	13:00	150.1	7.94	2.2	7.52	14662
12/21	12:45	134.8	7.79	1.6	7.58	13760
12/21	12:30	141.9	7.53	1.5	7.35	13206
12/21	12:15	138.9	7.23	1.7	7.12	15692
12/21	12:00	137.3	7.07	1.4	6.80	16187
12/21	11:45	171.7	7.03	1.4	6.74	14222
12/21	11:30	201.9	7.63	3.3	7.45	14024
12/21	11:15	168.2	7.73	2.0	7.52	12938
12/21	11:00	168.5	7.48	1.8	7.29	13690
12/21	10:45	162.2	7.20	2.0	7.20	15314
12/21	10:30	76.2	7.34	1.4	7.26	11939
12/21	10:15	74.2	7.30	1.6	7.22	12030
12/21	10:00	77.6	7.21	2.0	7.12	12593
12/21	9:45	60.5	7.16	2.4	7.16	12213
12/21	9:30	63.4	6.82	3.2	6.75	15519
12/21	9:15	85.0	6.07	15.0	7.02	13429
12/21	8:30	56.0	5.70	N/A	N/A	7067
12/20	19:30	128.1	6.32	N/A	N/A	N/A
12/20	19:15	131.4	6.33	N/A	N/A	N/A
12/20	19:00	135.1	6.34	N/A	N/A	N/A
12/20	17:30	147.2	6.57	N/A	N/A	5442
12/20	17:15	151.7	6.61	N/A	N/A	175
12/20	17:00	148.0	6.90	N/A	N/A	N/A
12/20	16:30	156.6	7.37	11.8	7.04	8920
12/20	16:15	166.5	7.17	10.4	6.69	14077
12/20	16:00	180.4	6.85	11.2	6.65	14804
12/20	15:45	183.1	6.77	N/A	N/A	2458
12/20	14:45	227.2	8.09	22.1	6.69	3180
12/20	14:30	230.3	9.17	45.6	7.71	5308
12/20	14:15	234.6	6.68	0.0	0.00	757
12/20	13:15	242.7	7.24	11.4	6.79	4629
12/20	13:00	248.6	7.44	36.0	6.79	7220
12/20	12:45	231.4	9.25	0.0	0.00	6234
12/20	12:30	223.7	9.26	49.6	6.59	6270
12/20	12:15	202.7	8.76	34.6	7.34	4634

12/20	12:00	178.0	8.08	26.2	7.57	5550
12/20	11:45	169.3	8.14	26.8	7.57	7212
12/20	11:30	146.5	8.74	19.8	8.15	6619
12/20	11:15	126.9	8.29	17.6	7.47	7182
12/20	11:00	121.9	7.56	6.0	7.31	7251
12/20	10:45	131.6	8.25	6.1	7.67	7529
12/20	10:30	67.6	7.27	N/A	N/A	1509
12/20	10:15	4.8	6.57	N/A	N/A	N/A
12/20	9:15	4.1	7.47	N/A	N/A	N/A
12/20	9:00	3.9	7.04	N/A	N/A	N/A
12/20	8:45	2.9	6.66	N/A	N/A	N/A
12/20	8:15	2.5	6.64	N/A	N/A	N/A
12/19	18:00	120.8	8.87	49.7	8.18	590
12/19	17:45	118.0	8.28	36.3	7.31	7563
12/19	17:30	119.4	6.32	N/A	N/A	974
12/19	17:15	131.2	6.93	N/A	N/A	428
12/19	17:00	122.4	8.20	49.7	7.97	5636
12/19	16:45	118.1	7.28	48.9	7.21	5292
12/19	16:30	115.1	7.07	N/A	N/A	4388
12/19	16:15	109.4	7.30	N/A	N/A	1821
12/19	16:00	84.2	8.64	N/A	N/A	3785
12/19	15:45	77.6	8.54	47.3	7.76	6602
12/19	15:30	78.1	7.44	45.3	7.23	6853
12/19	15:15	79.1	8.00	45.0	7.78	6661
12/19	15:00	73.2	8.37	48.3	7.68	6402
12/19	14:45	73.9	7.39	40.1	7.27	5538
12/19	14:30	78.6	4.30	39.0	7.03	5584
12/19	14:15	75.1	4.55	45.2	7.59	6481
12/19	14:00	78.0	4.67	47.1	7.86	3689
12/19	13:45	75.6	4.52	39.7	7.52	6353
12/19	13:30	74.0	4.47	31.2	6.99	6354
12/19	13:15	74.5	4.74	35.9	7.79	6358
12/19	13:00	73.7	4.70	36.6	7.52	6579
12/19	12:45	70.4	4.68	35.9	7.37	6775
12/19	12:30	72.2	4.60	30.6	7.18	6440
12/19	12:15	72.6	4.78	29.1	7.52	6174
12/19	12:00	63.8	4.87	30.0	7.77	6911
12/19	11:45	62.2	4.51	19.3	7.88	7332
12/19	11:30	52.3	4.45	14.2	7.70	4573
12/19	:45	36.9	4.62	0.9	7.86	3474
12/19	:30	38.0	4.49	0.8	7.03	6508
12/19	:15	39.8	4.60	1.1	7.72	6499
N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A
Totals						2842968
Average		157.1		16.0		
Median		134.8		8.4		

Site 8

Date	Infuent NTU	Effluent NTU	Upstream NTU
12/20/2004		0.41	
		0.38	
		0.93	
1/2/2005	473	0.46	
	473	0.69	
	301	0.42	
		0.45	
		0.56	
1/3/2005	330	0.85	
		0.78	
1/4/2005	295	0.92	
		2.01	
		8.12	
		1.12	
		2.63	
1/5/2005		2.6	
		1.95	
		3.35	
		3.05	
		3.89	
		9.81	
		13.2	
		9.2	
		9.75	
1/6/2005		8.76	
		17.8	
		23.7	
		22.1	
		10.8	
		13.6	
		3.89	
		3.94	
		6.27	
		10.2	
		16.6	
1/7/2005	947	8.2	
		9.81	
		17.2	

		25.4	
		27.1	
		30.1	
		37.5	
1/8/2005	923	7.78	16.8
		8.51	
		11.1	
		13.7	
		16	
		12.2	
		5.92	
		9.73	
1/9/2005	209	6.46	19.1
		8.21	
		8.44	
		9.86	
		7.65	
		9.43	
		8.77	
1/10/2005	204	2.32	19.4
		8.03	
		11.1	
		14.1	
		8.57	
		6.82	
		5.26	
		2.51	
1/11/2005	over 1000	4.63	36.9
		3.16	
		4.3	
		11.8	
		22.8	
		26.5	
		28.5	
		43.1	
		41	
		23.7	
1/12/2005	1000	11.7	70.6
		24.4	
		71.6	
1/13/2005	1000	54.3	59.8
		38.1	

		18.6	
		7.55	
		42.9	
1/14/2005	899	40.6	39.4
		36.9	
1/15/2005			
		24.4	32.2
		10.2	
		7.91	
1/16/2005	377	4.62	25.1
		6.6	
		9.36	
		1.76	
		0.83	
		0.37	
1/17/2005	362	1.68	23.2
		1.63	
		1.81	
		1.81	
3/7/2005			
Average	556.6428571	12.14636364	32.68181818

Site 9

Date:	Influent NTU	Effluent NTU	Upstream NTU
12/29/2004			
		5.07	
		6.53	
		7.76	
		6.87	
		0.33	
		1.2	
		1.36	
		1.25	
		0.62	
		1.88	
		1.98	
12/30/2004	86.6	1.13	
	104	1.23	
	108	13.1	
	97.2	1.31	
	86.2	0.94	
	75.5	1.57	

	67	1.58	
	63.7	1.96	
	67.1	2.54	
	106	2.38	
	82.5	4.07	
	78.9	6.26	
12/31/2004		1.12	
		3.41	
		5.92	
		5.46	
		3.1	
		3.95	
		4.08	
12/31/2004	104	15.1	
	106	15.3	
	174	17.8	
	147	22.9	
	147.8	31.9	
	151.3	4.02	
	148	32.1	
		22.2	
		25.6	
		18.7	
		20.4	
1/1/2005		26.4	
		23.1	
		20.6	
		15.6	
		21.3	
		22.2	
		1.54	
		15.2	
		26.7	
		5.26	
		1.72	
		1.77	
1/2/2005		0.89	
		0.8	
		0.76	
		2.47	
1/2/2005		0.89	
		0.8	

		0.76	
		1.79	
		2.47	
		2.11	
		1.15	
		0.45	
		0.72	
		1.1	
		0.75	
		0.58	
1/3/2005		10.3	
		14.8	
		15	
		11.7	
		4.35	
		4.15	
1/4/2005	173	23.4	
		26.3	
		26.8	
		33.6	
		30.6	
		29.9	
		30.9	
		9.09	
		17.3	
		4.21	
1/5/2005	182	1.33	
		0.97	
		1.1	
1/6/2005	1.56	1.12	
		0.74	
		0.73	
		1.08	
		0.91	
		0.8	
		1.85	
		2.08	
		2.14	
		1.02	
		1.04	
1/7/2005	292	9.26	
		3.8	
		2.86	

		2.98	
		1.23	
		1.34	
		1.49	
1/7/2005		1.18	
		1.18	
		1.21	
1/8/2005		1.1	
		0.6	
		1.58	
		1.31	
1/8/2005		2.26	
		2.24	
1/8/2005	575	2.12	
		2.34	
	269	3.12	
	284	3.98	
		12.6	
		15.2	
		16.6	
		17.2	
		10.8	
		20.5	
		16.9	
1/8/2005		1.44	
		1.36	
		10	
		3.61	
		1.85	
		6.03	
1/9/2005		4.39	
		3.61	
		3.21	
"		9.48	
		1.55	
		2.98	
1/9/2005	178	7.57	
	191		

	184	1.36	
		1.4	
		1.86	
		1.67	
		1.37	
		1.26	
		0.78	
1/10/2005	231	0.9	
	230	0.51	
	230		
	247		
	204		
	225		
1/10/2005	231	1.41	
	230	1.26	
	240	1.26	
	230	1.81	
	267	1.08	
	213	1.21	
	288	1.7	
		1.52	
1/10/2005		2.37	
		7.5	
		5.38	
1/11/2005		38.7	
		38.7	
		6.36	
		18.5	
		4.72	
		16.4	
1/11/2005		0.9	
		0.43	
		0.55	
		0.74	
		0.79	
		0.54	
		0.69	
		0.42	

		0.46	
		0.62	
		0.78	
1/12/2005		0.71	
		1.21	
		0.58	
		1.22	
		1.74	
		1.36	
		1.79	
1/12/2005		9.99	
		7.31	
		1.63	
		1.63	
		2.37	
		1.57	
		2.3	
		1.38	
		2.44	
		0.78	
		0.93	
1/12/2005	9.99	0.64	
		0.43	
		0.8	
		1.35	
		1.51	
		1.61	
		0.89	
		0.74	
		0.82	
		0.94	
1/13/2005		9.99	
		24.5	
		29.6	
		3.02	
		0.45	
		1.25	
		1.07	
		0.99	
		0.31	

1/13/2005		0.95	
		2.85	
		4.05	
		1.6	
		1.27	
		0.59	
		1.13	
		0.53	
		0.98	
1/14/2005		1.07	
		1.08	
		2.09	
		1.16	
		1.27	
		2.69	
		0.68	
		0.5	
		0.38	
1/14/2005		1.1	
		0.71	
		1.86	
		1.72	
		1.46	
		1.12	
		1.02	
		1.31	
		1.43	
		1.51	
		1.21	
		1.34	
1/17/2005		0.63	
		0.76	
		0.88	
		3.55	
		15.3	
		20.1	
		1.57	
1/18/2005		0.49	
		1.01	
		1.68	
		4.37	
		10.1	

1/19/2005		2.55	
		2.34	
		4.62	
		1.47	
		2.58	
		1.5	
		1.41	
1/20/2005		2.24	
		1.75	
		1.07	
		1.03	
1/21/2005	142	3.97	
		1.52	
		1.86	
1/21/2005		3.97	
		1.52	
		1.86	
		1.18	
		1.31	
		0.9	
		0.84	
		1.29	
1/22/2005		1.17	14
		1.5	
		0.8	
		0.66	
		1.66	
		0.71	
		0.21	
1/23/2005		1	
1/24/2005	213	1.78	
		1.57	
		1.56	
		2.1	
		1.27	
		1.6	
1/25/2005	6	2.66	
		3	

		2.1	
1/28/2005	1020	5.5	41
		5.56	
		3.12	
1/31/2005	335	4.52	19.7
		5.28	
		5.11	
		2.32	
		2.3	
		2.14	
2/1/2005	6	3.54	
		3.42	
		1.98	
		1.95	
		1.41	
		1.34	
		1.32	
2/2/2005	6	2.59	
		2.41	
		2.34	
		2.01	
		1.01	
		0.98	
2/16/2005	214	2.96	
		7.6	
		3.8	
2/17/2005		25.3	29.2
		0	
		24	
		14.1	
		8.28	
		1.43	
		1.72	
		0.91	
		0.59	
		0.74	
		0.39	
2/18/2005	13.7	0.48	15.1
		0.42	
		0.38	
		0.44	

		0.36	
		0.34	
		1.43	
		0.64	
		0.67	
		0.48	
		0.51	
2/18/2005		0.61	
		0.73	
		0.59	
		0.61	
		0.69	
		0.51	
		0.43	
		0.41	
		0.53	
		0.51	
		0.42	
2/19/2005	99.9	0.58	16.6
		0.63	
		0.86	
		1.1	
		1.03	
		1.06	
		0.7	
		1.22	
		0.57	
		1.1	
		0.98	
2/19/2005		0.45	
		1.22	
		0.37	
		0.39	
		0.38	
		0.39	
		0.4	
		0.45	
		0.41	
		1.05	
2/20/2005		1.14	21.8
		1.02	
		1.77	
		1.26	

		1.2	
		1.23	
		1.14	
		1	
		1.78	
		1.23	
2/20/2005		1.28	
		1.22	
		1.88	
		1.69	
		1.93	
		1.87	
		0.98	
		0.94	
		0.91	
		1.28	
		1.25	
2/21/2005	28.2	1.26	14.8
		0.57	
		0.59	
		0.61	
		0.69	
		0.85	
		1.06	
		1.15	
		1.2	
		1.64	
2/21/2005		0.64	
		0.66	
		0.88	
		0.91	
		0.68	
		0.64	
		0.73	
		0.85	
		0.83	
		0.65	
		0.63	
		0.56	
2/22/2005	68.2	1.9	14.6
		0.84	
		0.85	

		1.51	
		1	
		0.93	
		0.7	
		0.93	
2/23/2005	72	0.66	16.1
	72	0.48	
		1.49	
		1.19	
		1.11	
		1.26	
		1.23	
2/24/2005	87.9	0.85	
		0.95	
		1.04	
		1.32	
		1.13	
		0.97	
		0.79	
		1.75	
		2.01	
		1.08	
		1.9	
2/26/2005	88.6	4.91	1.85
		1.55	
		2.83	
		1.78	
		2.7	
		1.8	
		2.01	
		2.53	
		2.01	
		1.3	
		1.43	
2/28/2005		1.78	19.9
		1.7	
		2.1	
		1.91	
		1.69	
		0.57	
		0.92	
3/2/2005	182	2.41	53.8
		10.6	

		9.01	
		10.5	
		10.2	
		10.3	
		6.48	
		3.83	
		3.95	
		2.61	
3/3/2005			
		3.18	30.6
		2.38	
		2.04	
		1.6	
		1.98	
		1.73	
		1.59	
		1.13	
3/4/2005	1.08		
		0.75	31.4
		1.02	
		0.82	
		0.91	
		0.92	
		0.96	
		0.84	
		0.79	
		0.84	
3/5/2005	108		
		0.64	28.5
		0.63	
		1.15	
		0.8	
		0.93	
		0.83	
3/7/2005	72.7		
		0.83	20.3
		1.02	
		1.98	
		2.01	
		1.37	
		1.27	
		1.31	
		0.85	
3/8/2005	75		
		1.27	27.5
		1.13	
		1.21	

		0.86	
		0.73	
		0.71	
		0.87	
		0.92	
3/9/2005	77.2	3.12	29.2
		1.04	
		1.27	
		2.61	
		0.94	
		0.85	
		1.01	
	159.9204615	3.738217054	23.47105263

Site 10

Date	Influent NTU	Effluent NTU	Upstream NTU
2/7/2008	926		Not measured because
	923		WQO was 20 NTU
			Not related to Background
	234	4.42	
	406	0.79	
	906	3.51	
	996	5.79	
	867	1.79	
	755	7.3	
	742	0.88	
	782	2.27	
2/11/2008	761	0.49	
	765	0.58	
	736	0.59	
	735	0.63	
	819	0.59	
	819	0.68	
	822	0.44	
	746	1.42	
	754	0.48	
		1.21	
2/12/2008	730	6.29	
	737	0.21	
	718	1.23	
	699	0.26	
	731	0.19	
	742	0.26	
	757	0.16	

	630	0.25	
	698	0.33	
	698	0.22	
	688	0.22	
	669	0.57	
2/13/2008	649	1.2	
	638	2.68	
	675	0.47	
	615	1.04	
	631	0.79	
		0.33	
	659	0.38	
	657	0.36	
	471	0.31	
	618	0.35	
	629	0.38	
	641	0.033	
2/14/2008	629	0.47	
		3.5	
		1.87	
	645	1.25	
		3.54	
		1.45	
	1000+	1.6	
		2.5	
		1.75	
		1.73	
		2.91	
		2.74	
2/15/2008	1000+	1.64	
		3.09	
		1.09	
		1.51	
	1000+	1.36	
		0.59	
		0.31	
		0.4	
		0.44	
		0.62	
		0.88	
2/16/2008	1000+	0.78	
		1.66	
		1.4	
		0.7	

		0.34
		0.25
		4.86
		0.53
2/17/2008	1080	1.39
	1080	0.82
		0.36
		0.33
		0.53
		1.72
		0.37
		0.72
		0.86
		1
		1.74
2/18/2008	808	1.17
		0.72
		0.65
		0.68
		1.06
		0.81
		2.54
2/19/2008	839	3.73
	1536	0.27
	408	1.2
	1022	0.67
		0.84
2/20/2008	556	2.01
	387	0.47
	928	2.49
	905	0.47
2/23/2008	907	0.96
		0.79
		1.42
		1.24
		0.47
		0.44
		0.41
		0.35
		0.3

	1000+	0.34	
		0.51	
		0.51	
2/24/2008	1000+	0.51	
		1.61	
		2.5	
		0.78	
		0.38	
		0.34	
		0.64	
		0.37	
		0.59	
		1.68	
		0.66	
		0.45	
AVERAGES	742.9	1.2	

Site 11

Date	Influent NTU	Effluent NTU	Upstream NTU
1/15/2008		2.21	
1/16/2008	380	1.75	2.08
		2.03	
		1.26	
		1.08	
		0.64	
1/17/2008	420		
		1.47	
		0.78	
		0.52	
1/18/2008	417	2.34	15.5
		0.81	
		1.11	
		0.85	
		0.56	
		0.56	
		0.59	
1/21/2008	317	1.8	7.76

1/24/2008			
1/25/2008	246/306		
1/28/2008	348	1.4	
		0.49	
			23.2
1/29/2008	282	6.5	15.5
		0.9	
		0.84	
		0.69	
		0.5	
		0.38	
		0.42	
1/30/2008		1.4	64.3
		0.49	
		0.92	
		0.52	
		0.21	
		0.22	
		0.26	
2/4/2008	149	2.1	5.46
		0.98	
		1.02	
		0.67	

		0.75	
AVERAGE	330.4	1.1	19.1

Site 12

Date	Influent NTU	Effluent NTU	Upstream NTU
3/22/2005	237		
3/23/2005	311		
			196
		0.62	
		0.15	
		0.23	
		0.21	
		0.37	
		0.33	
		0.22	
3/24/2005	331		
		0.24	
		0.25	
		0.03	
		0.29	
		0.37	
		0.61	
		0.52	
		0.58	
		0.3	
		1.85	
3/25/2005	224		
		0.7	
		0.39	
		0.24	
		0.92	
		0.60	
		0.31	
		0.34	
3/26/2005	210	0.30	
3/28/2005	220	0.51	
		1.03	

		0.33	
		0.57	
3/29/2005		0.32	
AVERAGES	255.5	0.5	196.0