1

6G1	6G2	6G3	6G4	6G5	6G6	6G7	6G8	6H	6I	6J
S. Section	Little Holder	N. Section	Beckers Main	Gas Main	Gas Main Final	East	West	Water Seal	[illegible]	[illegible]
p. Gas Main	Pot	Wilp. Gas Main	Mixing Stat.	Sat. Driveway	Gas Cooler Bypass	Downcomer	Downcomer	Gas Holder	Drain	Condensate
(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/Kg)	(µg/L)	(µg/L)	(µg/L)	(µg/L)
23000	14000	19000	15000	12000	53000	56000	56000	3500	12000	270000
24000	14000	19000	15000	10000	53000	62000	62000	3600	[illegible]	[illegible]
24000	14000	19000	15000	10000	53000	61000	61000	3200	11000	270000
1000	1000	1000	1000	1000	1000	n/a	1000	1000	669.7	1000
23	14	19	15	12	53	56	56	3.5	13.797861	270
24	14	19	15	10	53	62	62	3.6	12.64804	270
24	14	19	15	10	53	61	61	3.2	12.64804	270
481	616	256	72	151	9832	295	295	928184	71323	16574707
481	616	256	72	151	9832	295	295	928184	71323	16574707
481	616	256	72	151	9832	295	295	928184	71323	16574707
1442.085	1847.08	768.355	215.745	454.2	29496.505	883.7975	883.7975	2784550.7	213967.94	49724119.8
16666667	14	19	15	10.66666667	53	66.3333333	66.3333333	4.1	13.031313	270
41293E-05	2.5859E-05	1.45987E-05	3.23618E-06	4.8448E-06	0.001563315	5.8625E-05	5.8625E-05	0.0114167	0.0027883	13.4255123
al/yr	488gal/yr	203gal/yr	57gal/yr	120gal/yr	7793gal/yr	233.5gal/yr	233.5gal/yr	1.4gpm	65000gal/yr	25gpm
1442.085	1847.08	768.355	215.745	454.2	29496.505	883.7975	883.7975	2784550.7	213967.94	49724119.8

S.G. of pure wash oil last measured at 0.8697 on 12-28-11

liquid open funnel for d

TABLE OF FLOW-WEIGHTED CONCENTRATIONS

114a Sample Points (3-5-12 through 3-14-12)

	6A	6B1	6B2	6C1	6C2	6D1	6D2	6E	6F
	BTX Tank Decant Overflow (µg/L)	Tar slude West Chute (µg/Kg)	Tar sludge East Chute (µg/Kg)	Ammonia Still Influent (µg/L)	Ammonia Still Effluent (µg/L)	N. Exhauster Seal Pot (µg/L)	S. Exhauster Seal Pot (µg/L)	E. Tar Decant Check (µg/L)	W. Tar Decant Che (µg
Sample 1	1200000	430000	520000	46000	0	2300	41000	27000	230
Sample 2	1200000	450000	620000	49000	0	2500	46000	26000	230
Sample 3	1200000	490000	640000	49000	0	2200	43000	25000	230
Density (g/L) =	1000	n/a	n/a	1000	1000	1000	1000	1000	10
Sample 1 (ppmw), C_1 =	1200	400	680	48	0	2.2	44	27	
Sample 2 (ppmw), C_2 =	1200	450	620	49	0	2.5	45	26	
Sample 3 (ppmw), C_3 =	1200	490	640	49	0	2.2	43	25	
Sample 1 Representative Flow (Kg/yr), Q_1 =	6762480	55187	55187	110056052	123978805	2930408	2930408	1381	13
Sample 2 Representative Flow (Kg/yr), Q_2 =	6762480	55187	55187	110056052	123978805	2930408	2930408	1381	13
Sample 3 Representative Flow (Kg/yr), Q_3 =	6762480	55187	55187	110056052	123978805	2930408	2930408	1381	13
Total Annual Flow (Kg/yr), Q_t =	20287440.88	165561.06	165561.0595	330168156	371936416	8791224.38	8791224.38	4144.160584	4144.1605
FWAABC (ppmw), C =	1200	446.66667	646.6666667	48.6666667	0	2.3	46	26	
Mg/yr =	24.34492906	0.0739506	0.107062819	16.0681836	0	0.02021982	0.40439632	0.000107748	9.53157E
Total (Mg/yr) =	54.46042578	→ 38.42 Mg (excluded ammonia still influent)							
Flow	10.2 gpm	3.5tons/wk	3.5tons/wk	166gpm	187gpm	4.42gpm	4.42gpm	3gal/day	3gal/day
Kg/yr	20287440.88	165561.06	165561.0595	330168156	371936416	8791224.38	8791224.38	4144.160584	4144.1605

Notes: Concentration for 6G7 taken from 6G8 due to contamination with benzolized wash oil which is injected to clean coke oven gas lines.

double counting?

FLOW-WEIGHTED CONCENTRATIONS

114a Sample Points (3-5-12 through 3-14-12)

	6A BTX Tank Decant Overflow (µg/L)	6B1 Tar slude West Chute (µg/Kg)	6B2 Tar sludge East Chute (µg/Kg)	6C1 Ammonia Still Influent (µg/L)	6C2 Ammonia Still Effluent (µg/L)	6D1 N. Exhauster Seal Pot (µg/L)	6D2 S. Exhauster Seal Pot (µg/L)	6E E. Tar Decant Check (µg/L)	6F W. Tar Decant Check (µg/L)	6G1 S. Section Wilp Gas Main (µg/L)	6G2 Little Holder Pot (µg/L)	6G3 N Section Wilp Gas Main (µg/L)	6G4 Beckers Main Mixing Stat. (µg/L)	6G5 Gas Main Sat Driveway (µg/L)	6G6 Gas Main Final Gas Cooler Bypass (µg/L)	6G7 East Downcomer (µg/Kg)	6G8 West Downcomer (µg/L)	6H Water Seal Gas Holder (µg/L)	6I Purifier Drain (µg/L)	6J LO Platform Condensate (µg/L)
Sample 1	1200000	400000	680000	48000	0	2200	44000	27000	23000	23000	14000	19000	15000	12000	53000	56000	56000	3500	12000	270000
Sample 2	1200000	450000	620000	49000	0	2500	46000	26000	23000	24000	14000	19000	15000	10000	53000	82000	82000	3600	11000	270000
Sample 3	1200000	490000	640000	49000	0	2200	48000	25000	23000	24000	14000	19000	15000	10000	53000	61000	61000	5200	11000	270000
Density (g/L) =	1000	n/a	n/a	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	n/a	1000	1000	869.7	1000
Sample 1 (ppmw), C_i =	1200	400	680	48	0	2.2	44	27	23	23	14	19	15	12	53	56	56	3.5	13.797861	270
Sample 2 (ppmw), C_i =	1200	450	620	49	0	2.5	46	26	23	24	14	19	15	10	53	82	82	3.6	12.64804	270
Sample 3 (ppmw), C_i =	1200	490	640	49	0	2.2	48	25	23	24	14	19	15	10	53	61	61	5.2	12.64804	270
Representative Flow (Kg/yr), Q_i =	6762480	55187	55187	110056052	123978805	2930408	2930408	1381	1381	481	616	256	72	151	9832	295	295	928184	71323	16574707
Representative Flow (Kg/yr), Q_i =	6762480	55187	55187	110056052	123978805	2930408	2930408	1381	1381	481	616	256	72	151	9832	295	295	928184	71323	16574707
Representative Flow (Kg/yr), Q_i =	6762480	55187	55187	110056052	123978805	2930408	2930408	1381	1381	481	616	256	72	151	9832	295	295	928184	71323	16574707
Total Annual Flow (Kg/yr), Q_t =	20287440.88	165561.06	165561.0595	330168156	371936416	8791224.38	8791224.38	4144.160584	4144.160584	1442.085	1847.08	768.355	215.745	454.2	29496.505	883.7975	883.7975	2784550.7	213967.94	49724119.8
FWAABC (ppmw), C =	1200	446.66667	646.6666667	48.6666667	0	2.3	46	26	23	23.66666667	14	19	15	10.66666667	53	66.3333333	66.3333333	4.1	13.031313	270
Mg/yr =	24.34492906	0.0739506	0.107062819	16.0681836	0	0.02021982	0.40439632	0.000107748	9.53157E-05	3.41293E-05	2.5859E-05	1.45987E-05	3.23618E-06	4.8448E-06	0.001563315	5.8625E-05	5.8625E-05	0.0114167	0.0027883	13.4255123
Total (Mg/yr) =	54.46042578																			
Flow	10.2 gpm	3.5tons/wk	3.5tons/wk	166gpm	187gpm	4.42gpm	4.42gpm	3gal/day	3gal/day	381gal/yr	488gal/yr	203gal/yr	57gal/yr	120gal/yr	7793gal/yr	233.5gal/yr	233.5gal/yr	1.4gpm	65000gal/yr	25gpm
Kg/yr	20287440.88	165561.06	165561.0595	330168156	371936416	8791224.38	8791224.38	4144.160584	4144.160584	1442.085	1847.08	768.355	215.745	454.2	29496.505	883.7975	883.7975	2784550.7	213967.94	49724119.8

Notes: Concentration for 6G7 taken from 6G8 due to contamination with benzolized wash oil which is injected to clean coke oven gas lines.

S.G. of pure wash oil last measured at 0.8697 on 12-28-11

ABC Coke TAB Calculation using flow and concentration information gathered from 114

Point of Generation	Sample ID #	Flow rate	Concentration (ppm)	Estimated Mg/yr
BTX Tank Decant Overflow	6A	10.2 gpm	1200	24.34
East Tar Decant Check	6E	3 gpd	26	0.0001
West Tar Decant Check	6F	3 gpd	23	0.00009
Tar Sludge West Chute	6B1	3.5 tons/week	446	0.07
Tar Sludge East Chute	6B2	3.5 tons/week	646.6	0.10
North Exhauster Seal Pot	6D1	4.42 gpm	2.3	0.02
South Exhauster Seal Pot	6D2	4.42 gpm	46	0.40
Water seal gas holder	6H	1.4 gpm	4.1	0.01
Purifier Drain	6I	65,000 gal/yr	13	0.002
Light oil platform condensate	6J	25 gpm	270	13.42
South Section Wilputte Gas Main	6G1	381 gal/yr	23.6	0.00003
Little Holder Pot	6G2	488 gal/yr	14	0.00002
North Section Wilputte Gas Main	6G3	203 gal/yr	19	0.00001
Beckers Main Mixing Station	6G4	57 gal/yr	15	0.000003
Gas Main Sat. Driveway	6G5	120 gal/yr	10.6	0.000004
Gas Main Final gas cooler bypass	6G6	7,793 gal/yr	53	0.00156
East Downcomer	6G7	233.5 gal/yr	66.3	0.00005
West Downcomer	6G8	233.5 gal/yr	66.3	0.00005
TOTAL				**38.36**

The estimates below are based on previous and updated information provided by ABC Coke and review of the regulatory requirements. The following section is critical to analysis below.

61.355(b)(2) – The determination of annual waste quantity for wastes at coke by-product plants subject to and complying with the control requirements of §61.132, 61.133, 61.134, or 61.139 of subpart L of this part shall be made at the location that the waste stream exits the process unit component or waste management unit controlled by that subpart or at the exit of the ammonia still, provided that the following conditions are met:

(i) The transfer of wastes between units complying with the control requirements of subpart L of this part, process units, and the ammonia still is made through hard piping or other enclosed system.

(ii) The ammonia still meets the definition of a sour water stripper in §61.341.

Historical Points of Waste Generation (POG) and TAB Calculation (prior to changes)

Note: Concentrations and flow rates are based on ABC Coke information.

POG (ABC Coke)	POG (NEIC)	ID #	Flow rate	Concentration (ppm)	Estimated Mg/yr
BTX Tank Decant Overflow	BTX Tank	6A	10.2 gpm	1200	24.34
East Tar Decant Check	Liquor/tar from tar decanter to open funnel	6E	3 gpd	26	0.0001
West Tar Decant Check	Liquor/tar from tar decanter to open funnel	6F	3 gpd	23	0.00009
Tar Sludge West Chute	Tar decanter sludge	6B1	3.5 tons/week	446	0.07
Tar Sludge East Chute	Tar decanter sludge	6B2	3.5 tons/week	646.6	0.10
North Exhauster Seal Pot	Seal pot to primary cooler sump	6D1	4.42 gpm	2.3	0.02
South Exhauster Seal Pot	Seal pot to primary cooler sump	6D2	4.42 gpm	46	0.40
Water seal gas holder	Water seal on gas holder	6H	1.4 gpm	4.1	0.01
Purifier Drain	Drained material from purifier to naphthalene sump	6I	65,000 gal/yr	13	0.002
Light oil platform condensate	Light oil pad rainwater to dirty water sump & 3 liquor drains on light oil platform	6J	25 gpm	270	13.42
Not included on ABC Coke Table	Tar and excess liquor from the flushing liquor circulation tank to primary cooler sump				
Drip Pots					
South Section Wilputte Gas Main		6G1	381 gal/yr	23.6	0.00003
Little Holder Pot		6G2	488 gal/yr	14	0.00002
North Section Wilputte Gas Main		6G3	203 gal/yr	19	0.00001
Beckers Main Mixing Station		6G4	57 gal/yr	15	0.000003
Gas Main Sat. Driveway		6G5	120 gal/yr	10.6	0.000004
Gas Main Final gas cooler bypass	Cast drip pot between saturator and tar bottom final cooler (NEIC sample station 7)	6G6	7,793 gal/yr	53	0.00156
East Downcomer		6G7	233.5 gal/yr	66.3	0.00005

West Downcomer		6G8	233.5 gal/yr	66.3	0.00005
TOTAL					38.363917+

NEIC may not have included all POGs. NEIC determinations based on limited process information.

Current Points of Waste Generation (POG) and TAB Calculation (with changes Post-NEIC Inspection)

POG (ABC Coke)	POG (NEIC)	ID #	Flow rate	Concentration (ppm)	Estimated Mg/yr
Tar Sludge West Chute	Tar decanter sludge	6B1	3.5 tons/week	446	0.07
Tar Sludge East Chute	Tar decanter sludge	6B2	3.5 tons/week	646.6	0.10
Light oil platform condensate	Light oil pad rainwater to dirty water sump & 3 liquor drains on light oil platform	6J	25 gpm	270	13.42
Not included on ABC Coke Table	Tar and excess liquor from the flushing liquor circulation tank to primary cooler sump				
Drip Pots					
Little Holder Pot		6G2	488 gal/yr	14	0.00002
Beckers Main Mixing Station		6G4	57 gal/yr	15	0.000003
Gas Main Sat. Driveway		6G5	120 gal/yr	10.6	0.000004
Gas Main Final gas cooler bypass	Cast drip pot between saturator and tar bottom final cooler (NEIC sample station 7)	6G6	7,793 gal/yr	53	0.00156
Ammonia Still Effluent	Ammonia Still Effluent	6C2	187 gpm	0	0
TOTAL					13.591587

Assumptions

1- BTX tank funnel now hard piped

2 – East and West Tar Decant Checks now hard piped

3- Primary Cooler Sump (including flushing liquor sump/drain pan located below the flushing liquor circulation tank and feeding into the primary cooler sump), Naphthalene sump, and dirty water sump have all been sealed and included in Subpart L monitoring and control requirements have been met. NEIC also assumes all sources to sumps have been hard piped. The following POGs can then be eliminated:

- North/South exhauster seal pots
- Gas holder water seal
- Purifier drain
- Drip pots – south section wilputte gas main; north section wilputte gas main; east downcomer; west downcomer

POG (ABC Coke)	POG (NEIC)	ID #	Flow rate	Concentration (ppm)	Estimated Mg/yr
Tar Sludge West Chute	Tar decanter sludge	6B1	3.5 tons/week	446	0.07
Tar Sludge East Chute	Tar decanter sludge	6B2	3.5 tons/week	646.6	0.10
Light oil platform condensate	Light oil pad rainwater to dirty water sump & 3 liquor drains on light oil platform	6J	25 gpm	270	13.42
Not included on ABC Coke Table	Tar and excess liquor from the flushing liquor circulation tank to primary cooler sump				
Drip Pots					
Little Holder Pot		6G2	488 gal/yr	14	0.00002
Beckers Main Mixing Station		6G4	57 gal/yr	15	0.000003
Gas Main Sat. Driveway		6G5	120 gal/yr	10.6	0.000004
Gas Main Final gas cooler bypass	Cast drip pot between saturator and tar bottom final cooler (NEIC sample station 7)	6G6	7,793 gal/yr	53	0.00156
Ammonia Still Effluent	Ammonia Still Effluent	6C2	187 gpm	0	0
TOTAL					13.591587

POG (ABC Coke)	POG (NEIC)	ID #	Flow rate	Concentration (ppm)	Estimated Mg/yr
BTX Tank Decant Overflow	BTX Tank	6A	10.2 gpm	1200	24.34
East Tar Decant Check	Liquor/tar from tar decanter to open funnel	6E	3 gpd	26	0.0001
West Tar Decant Check	Liquor/tar from tar decanter to open funnel	6F	3 gpd	23	0.00009
Tar Sludge West Chute	Tar decanter sludge	6B1	3.5 tons/week	446	0.07
Tar Sludge East Chute	Tar decanter sludge	6B2	3.5 tons/week	646.6	0.10
North Exhauster Seal Pot	Seal pot to primary cooler sump	6D1	4.42 gpm	2.3	0.02
South Exhauster Seal Pot	Seal pot to primary cooler sump	6D2	4.42 gpm	46	0.40
Water seal gas holder	Water seal on gas holder	6H	1.4 gpm	4.1	0.01
Purifier Drain	Drained material from purifier to naphthalene sump	6I	65,000 gal/yr	13	0.002
Light oil platform condensate	Light oil pad rainwater to dirty water sump & 3 liquor drains on light oil platform	6J	25 gpm	270	13.42
Not included on ABC Coke Table	Tar and excess liquor from the flushing liquor circulation tank to primary cooler sump				
Drip Pots					
South Section Wilputte Gas Main		6G1	381 gal/yr	23.6	0.00003
Little Holder Pot		6G2	488 gal/yr	14	0.00002
North Section Wilputte Gas Main		6G3	203 gal/yr	19	0.00001
Beckers Main Mixing Station		6G4	57 gal/yr	15	0.000003
Gas Main Sat. Driveway		6G5	120 gal/yr	10.6	0.000004
Gas Main Final gas cooler bypass	Cast drip pot between saturator and tar bottom final cooler (NEIC sample station 7)	6G6	7,793 gal/yr	53	0.00156
East Downcomer		6G7	233.5 gal/yr	66.3	0.00005
West Downcomer		6G8	233.5 gal/yr	66.3	0.00005
TOTAL					**38.363917+**

(5)

DAY	OLD STILL PH old	NH3 old	FLOW old	NEW STILL PH new	NH3 new	FLOW new	Total Flow	FEED NH3 Feed	PHENOL Feed	E. BIOMAT TSS East	DO EAST	FLOWEAST
1				10.93	18.2	174	174	15.7	289	10440	7.2	90
2				10.51	15.7	190	190	14	202	9930	7.8	105
3				10.03	25.8	200	200	20.7	204	10080	9	105
4				9.44	21	204	204	23.5	181	10280	6.9	105
5				9.99	19.6	175	175	19.6	192	10270	6.1	105
6				10.2	14	147	147	15.4	223	9870	5.9	105
7				10.58	15.4	185	185	15.4	400	10210	5.9	95
8				10.55	14	185	185	9.8	334	10310	5.9	95
9				9.85	19	185	185	9.8	488	10060	6.1	105
10				9.42	19	190	190	15.4	440	10450	3.1	105
11				10.67	12.9	190	190	16.8	382	10560	5.3	105
12				9.56	15.7	155	155	11.5	398	10720	5.5	105
13				9.27	11.8	155	155	11.8	436	10210	5.6	105
14				9.5	14.8	165	165	11.5	278	10160	6.7	100
15				10.52	12.3	160	160	11.2	327	10540	5.8	95
16				10.77	9.8	160	160	5.6	350	10160	6.1	95
17				10.34	14.6	212	212	7.6	420	10150	5.7	105
18				11.16	12	210	210	6.2	324	12390	5.5	105
19				10.03	14.3	175	175	7.3	340	10070	5.4	105
20				10.28	14.6	170	170	5.6	358	9730	5.3	105
21				10.33	14	217	217	6.2	360	9960	5.5	110
22				10.27	14	209	209	5.3	329	10360	5.5	110
23				9.57	14.6	204	204	6.2	340	10190	5.1	105
24				9.57	11.8	160	160	4.5	258	10400	4.9	105
25				9.52	14.6	180	180	1.4	228	10140	5.5	105
26				9.92	14	169	169	4.2	249	10200	4.9	105
27				9.55	15.4	174	174	5.6	268	10070	4.7	105
28				9.73	17.1	190	190	6.2	280	11080	4.6	95
29				9.38	17.1	190	190	5.6	280	9990	4.5	100
30				11.01	11.2	190	190	9.5	379	9560	5	100
31				10.5	14.6	190	190	7.6	422	10060	5.1	100
AVERAGE												

JAN 2008

TEMP EAST	W. BIOMAT TSS WEST	DO WEST	FLOW WEST	TEMP WEST	E. CLAR PHENOL EC	TSS EC	W. CLAR PHENOL WC	TSS WC	FEED TSS	E. CLAR REC. TSS	W. CLAR REC. TSS
84	10370	6.9	90	84	0.009	43	0.014	80	105	28800	30540
84	10130	8.3	105	86	0.009	85	0.029	130	115	28800	30540
81	10190	9.4	105	86	0.011	45	0.004	60	127	30420	30900
81	10370	7.3	105	86	0.008	83	0.011	115	115	29120	27760
88	11310	6.6	105	88	0.014	80	0.008	105	100	29120	27760
90	10340	6.4	105	88	0.009	50	0.018	150	110	29120	27760
90	10360	6.4	95	88	0.002	97	0.01	105	140	29760	28180
90	10210	6.4	95	88	0.016	80	0.01	225	145	28820	28220
86	10140	5.8	105	88	0.016	106	0.019	133	220	31020	30040
86	10950	3.5	105	86	0.008	50	0.016	135	610	30480	31020
84	11070	5.6	105	84	0.008	87	0.013	90	500	30720	31760
84	10870	6	105	82	0.009	60	0.011	270	370	30720	31760
84	11220	6.2	105	82	0.008	70	0.018	115	270	30720	31760
82	11980	5.4	100	86	0.004	60	0.008	110	215	30800	32960
84	9130	6.4	95	82	0.002	107	0.012	160	205	28900	30980
86	12060	6.4	95	84	0.009	73	0.019	110	150	27940	31100
86	12050	6.1	105	84	0.012	66	0.025	145	104	27940	29140
86	11100	6.2	105	84	0.014	185	0.026	150	155	29740	28940
86	11050	6.3	105	84	0.011	70	0.019	113	140	29740	28940
86	10800	6.2	105	84	0.009	63	0.018	150	90	29740	28940
86	11170	6.1	110	84	0.012	120	0.017	170	140	30440	30580
84	10380	5.9	110	84	0.008	93	0.016	165	123	31180	30040
88	10410	5.4	105	88	0.008	100	0.015	160	110	31340	29640
86	11490	5.3	105	86	0.016	100	0.022	160	140	30560	29640
84	10470	5.9	105	84	0.008	60	0.016	190	165	29760	29400
84	10220	5.7	105	84	0.008	67	0.019	210	150	29760	29400
84	10640	5.6	105	84	0.004	57	0.009	135	140	29760	29400
84	9910	4.7	95	86	0.017	95	0.02	135	155	28100	30000
86	11340	4.7	100	84	0.012	77	0.012	145	145	27040	29960
84	9710	5.6	100	84	0.014	67	0.021	140	145	29260	29940
84	10510	5.4	100	84	0.012	87	0.017	135	160	28520	29140

FEB 2008

DAY	OLD STILL PH old	NH3 old	FLOW old	NEW STILL PH new	NH3 new	FLOW new	Total Flow	FEED NH3 Feed	PHENOL Feed	E. BIOMAT TSS East	DO EAST	FLOWEAST
1				11.47	9.8	194	194	5.9	397	9950	5	100
2				9.8	15.4	170	170	5.6	430	10470	5	100
3				10.1	14	170	170	5.6	459	8990	4.9	105
4				10.85	11.8	173	173	5.6	425	10290	4.5	105
5				9.41	13.4	175	175	5.6	268	10380	6.6	105
6				10.72	11.8	188	188	5.6	301	8020	4.6	105
7				10.62	12.6	204	204	5.6	324	10710	4.7	105
8				10.3	10.6	208	208	5.3	294	10490	4.1	105
9				10.06	10.1	170	170	4.2	335	10630	3.8	105
10				10.35	15.4	170	170	3.9	318	9060	4.1	105
11				10.4	10.6	209	209	3.4	325	9570	4.7	105
12				9.69	10.4	202	202	3.4	360	9870	3.4	105
13				10.33	10.9	202	202	3.4	367	9920	4	105
14				10.11	14	204	204	2.8	323	9780	4.1	105
15				10.23	15.9	204	204	4.2	320	9640	4	105
16				9.3	16.8	170	170	16.8	170	10000	3.3	105
17				9	15.4	200	200	8.7	375	10270	2.9	95
18				10.79	12.6	210	210	8.1	447	9680	3	95
19				9.9	14.6	217	217	6.4	390	9190	4.3	105
20				9.8	14.3	185	185	7	362	9700	4.2	105
21				10.06	15.4	220	220	7	290	9720	4.4	105
22				10.73	12.6	192	192	6.2	348	9540	4.5	105
23				9.35	14	180	180	5.6	388	9620	4.5	105
24				9.54	14	190	190	5.6	405	9740	4.4	105
25				9.53	14	165	165	7.3	296	9340	5.2	105
26				9.58	12.6	170	170	5.6	286	9180	5	105
27				9.71	10.6	180	180	4.8	253	9340	5.7	105
28				9.15	11.8	178	178	3.9	324	9280	4.6	105
29				10.3	11.2	199	199	3.6	358	9200	5.2	105
30							0					
31							0					
AVERAGE												

TEMP EAST	W. BIOMAT TSS WEST	DO WEST	FLOW WEST	TEMP WEST	E. CLAR PHENOL EC	TSS EC	W. CLAR PHENOL WC	TSS WC	FEED TSS	E. CLAR REC. TSS	W. CLAR REC. TSS
84	10470	5.5	100	84	0.015	65	0.022	150	80	27860	28400
82	10880	5.7	100	84	0.018	83	0.022	115	85	27860	28400
82	9810	5.5	105	84	0.016	60	0.019	135	100	27860	28400
82	10340	5.1	105	84	0.014	73	0.012	150	130	29480	29980
88	9580	3.1	105	88	0.011	93	0.017	165	120	30620	29760
85	9990	4.7	105	86	0.013	67	0.012	95	83	30540	29840
84	11210	5.2	105	84	0.016	77	0.021	165	90	28240	28720
86	10640	4.6	105	86	0.008	83	0.014	140	110	31580	31480
84	10310	4.4	105	86	0.019	90	0.019	135	80	31580	31480
86	9290	4.7	105	86	0.017	90	0.022	145	87	31580	31480
87	9940	5.1	105	88	0.013	155	0.017	220	107	28720	28120
86	10150	3.6	105	87	0.006	120	0.009	150	77	29540	27800
84	10230	4.3	105	86	0.011	110	0.021	250	80	29580	292160
84	10500	4.4	105	86	0.008	150	0.01	240	120	28920	30940
84	10020	4.3	105	86	0.015	170	0.016	150	123	27880	28720
89	10240	3.8	105	90	0.008	180	0.012	130	110	27880	28720
90	10610	3.4	95	90	0.004	210	0.012	60	85	27880	28720
90	9910	3.3	95	90	0.016	140	0.02	55	50	27960	28960
86	9820	4.6	105	86	0.018	160	0.019	85	80	27660	27100
89	9810	4.5	105	89	0.013	160	0.019	195	90	27920	27800
88	9470	4.9	105	88	0.003	155	0.013	160	93	27480	27420
84	8520	4.7	105	84	0.015	105	0.017	160	88	27360	28760
85	9940	4.7	105	84	0.012	70	0.018	170	73	27360	28760
85	9990	4.6	105	84	0.009	80	0.017	180	87	27360	28760
88	9900	5.5	105	88	0.007	80	0.009	160	80	27840	27320
89	10190	5.2	105	88	0.007	80	0.012	200	98	27300	28880
84	8010	6.1	105	84	0.004	77	0.008	180	155	26700	20180
84	10080	4.9	105	86	0.016	67	0.019	185	125	27740	26780
88	9970	5.6	105	89	0.01	67	0.015	115	77	28440	27360

MAR 2008

DAY	OLD STILL PH old	NH3 old	FLOW old	NEW STILL PH new	NH3 new	FLOW new	Total Flow	FEED NH3 Feed	PHENOL Feed	E. BIOMAT TSS East	DO EAST	FLOWEAST
1				10.12	12.9	175	175	5.6	410	9600	4.8	105
2				9.77	12.9	178	178	5.6	390	9250	4.5	105
3				9.91	11.8	200	200	5.6	391	9400	4.9	105
4				9.99	11.5	199	199	5.6	356	9450	4.3	105
5				9.29	12.6	210	210	15.4	391	10340	4.7	105
6				9.92	14	210	210	11.2	354	10390	4.5	105
7				9.82	11.2	210	210	8.7	248	10040	4.4	105
8				9.93	11.8	185	185	6.2	297	9820	4.6	105
9				9.72	9.8	176	176	5	280	9800	4.4	105
10				9.98	12.6	210	210	2.8	210	9680	4.5	105
11				10.55	10.1	208	208	4.2	215	8850	4.4	105
12				10.73	12.9	208	208	2.8	262	9960	5	105
13				9.6	14	181	181	6.4	417	10590	4.9	105
14				10.33	12.6	207	207	5.6	320	10750	4.5	105
15				9.8	11.2	180	180	5.6	326	11470	4.4	105
16				9.1	14	176	176	6.2	331	11870	4.5	105
17				9.6	16.8	175	175	7	381	11600	4.6	105
18				9.95	13.4	175	175	7.6	298	11040	4.5	105
19				10.15	14.3	185	185	7	351	11560	4.6	105
20				9.6	16.8	207	207	5.6	384	10640	4.6	105
21				9.88	14.8	207	207	7.8	300	11560	4.6	105
22				9.9	21	171	171	8.4	310	11650	4.5	105
23				10.39	11.2	204	204	8.4	331	11430	4.5	105
24				10.3	13.4	170	170	9.8	416	11930	7.6	90
25				10.09	16	200	200	7.3	316	12330	5.9	90
26				10.1	20.2	202	202	12	366	11610	5.3	90
27				9.63	16.8	200	200	11.8	331	11630	5.1	100
28				10.18	18.2	200	200	23.5	253	8390	5.9	100
29				10.53	15.7	175	175	19	298	8370	6.2	100
30				10.21	15.4	177	177	16.2	323	9480	6.3	100
31				9.73	16.8	200	200	12.9	276	10270	6.4	100
AVERAGE												

TEMP EAST	W. BIOMAT TSS WEST	DO WEST	FLOW WEST	TEMP WEST	E. CLAR PHENOL EC	TSS EC	W. CLAR PHENOL WC	TSS WC	FEED TSS	E. CLAR REC. TSS	W. CLAR REC. TSS
88	10580	5.3	105	90	0.018	63	0.026	100	107	27500	27500
88	10150	5.1	105	90	0.018	40	0.057	95	110	27500	27500
88	9890	4.5	105	90	0.012	90	0.025	165	120	27820	27650
85	9750	4.8	105	86	0.007	63	0.011	50	50	28780	30280
83	10560	5.9	105	84	0.005	107	0.011	170	126	31080	29880
84	10300	4.6	105	85	0.009	50	0.019	115	93	29300	27900
84	10020	4.6	105	85	0.012	73	0.016	220	160	29580	29160
84	10140	4.4	105	85	0.009	130	0.013	240	65	29580	29160
84	10003	4.5	105	85	0.013	170	0.02	260	65	29580	29160
86	10240	5.4	105	88	0.013	60	0.017	250	83	28540	29420
88	10720	5.3	105	90	0.014	220	0.018	300	140	28360	28520
87	10900	5.5	105	89	0.013	150	0.015	320	150	29560	30080
87	11430	5.3	105	89	0.011	200	0.012	350	185	30160	30780
84	11500	5.1	105	86	0.011	280	0.019	430	160	29620	29180
84	11320	5	105	86	0.009	170	0.016	280	100	29620	29180
84	11350	5.1	105	86	0.016	240	0.019	320	97	29620	29180
88	11000	5.2	105	89	0.017	200	0.019	400	77	32480	28200
88	10850	5.1	105	89	0.01	230	0.014	340	103	29340	26900
88	9950	5	105	89	0.01	270	0.022	400	107	30040	27740
88	10850	5.1	105	89	0.008	210	0.015	300	110	30540	29480
88	9910	5	105	89	0.01	230	0.021	280	63	29040	27700
88	9310	5.1	105	89	0.012	210	0.017	290	90	29040	27700
88	10280	5	105	89	0.009	200	0.02	280	100	29040	27700
87	11370	7.5	90	87	0.01	270	0.011	400	133	31480	30300
85	11490	6	90	86	0.014	300	0.019	470	73	29840	27180
84	11140	5.9	90	84	0.019	170	0.026	140	70	27980	26540
86	11150	5.7	100	87	0.011	260	0.012	190	97	27440	28360
86	10720	6.1	100	87	0.007	155	0.013	110	70	26360	26660
88	9640	4.9	100	90	0.011	76	0.016	54	88	27480	26660
90	10410	5.1	100	91	0.013	100	0.013	410	50	27480	26660
89	10080	5.5	100	90	0.012	135	0.013	123	82	27480	26780

APR 2008

DAY	OLD STILL PH old	NH3 old	FLOW old	NEW STILL PH new	NH3 new	FLOW new	Total Flow	FEED NH3 Feed	PHENOL Feed	E. BIOMAT TSS East	DO EAST	FLOWEAST
1				8.53	25.8	200	200	12	265	10080	6.6	100
2				7.97	56.3	200	200	12.6	319	10510	6.6	105
3				9.87	14.6	200	200	9	319	10240	3.6	100
4				10.79	11.8	190	190	5.6	297	10330	2.1	100
5				11.27	12.3	161	161	3.9	323	10300	2.1	100
6				10.3	14	169	169	2.8	355	11140	2.4	100
7				10.03	15.4	165	165	4.2	321	11180	2.8	100
8				10.25	13.2	165	165	4.2	338	11530	2.1	100
9				10.2	12.3	165	165	3.9	381	11180	1.9	100
10				9.89	11.5	160	160	2.8	364	11630	2.1	90
11				10.06	17.1	160	160	14.6	339	11160	3.9	90
12				10.34	14	160	160	16.8	488	10160	3.9	100
13				9.61	20.4	150	150	15.4	433	9660	4.5	100
14				9.72	19	220	220	14	432	11000	4.2	105
15				9.8	13.4	220	220	12.9	430	10980	5.3	105
16				9.93	32.5	207	207	11.2	405	10790	5.2	105
17				9.24	33.6	210	210	12.6	389	10930	5.6	105
18				10	14	188	188	14	427	10610	4.5	105
19				10.35	19.6	161	161	11.8	439	10370	4.5	105
20				10.04	16.8	129	129	12	470	11590	4.9	105
21				10.01	17.4	190	190	12.6	296	11290	4.8	105
22				10.85	10.6	190	190	14.6	239	10600	4.6	100
23				9.73	16.2	130	130	11.2	269	11180	5.7	100
24				9.8	12.6	155	155	7	309	11090	6.7	80
25				10.1	14.3	150	150	10.4	265	10440	5.8	100
26				10.65	11.5	133	133	8.7	278	10370	5.3	100
27				10.26	14	135	135	9	414	10270	5.2	100
28				11.11	9.8	135	135	5.9	317	9530	6.9	105
29				10.54	14.6	130	130	7.6	342	9550	7.3	105
30				10.21	17.9	145	145	8.4	363	9870	6.9	105
AVERAGE							0					

TEMP EAST	W. BIOMAT TSS WEST	DO WEST	FLOW WEST	TEMP WEST	E. CLAR PHENOL EC	TSS EC	W. CLAR PHENOL WC	TSS WC	FEED TSS	E. CLAR REC. TSS	W. CLAR REC. TSS
89	9260	5.7	100	90	0.014	73	0.042	412	44	25800	25440
89	9530	5.2	95	90	0.025	87	0.026	98	83	25800	25440
90	9180	4.1	100	90	0.012	47	0.026	215	225	26560	25460
90	8830	2.9	100	90	0.004	63	0.004	53	200	26740	24180
90	8300	2.9	100	90	0.048	77	0.021	31	195	26740	24180
90	9030	3.1	100	90	0.026	57	0.016	42	160	26740	24180
89	9150	4.3	100	91	0.014	85	0.015	36	370	29820	23340
89	10150	3.8	100	91	0.013	52	0.016	52	230	28920	23800
90	9650	3.7	100	91	0.015	48	0.015	74	220	27780	24140
90	9660	4.1	90	90	0.011	26	0.015	74	160	27840	26360
88	10140	5.3	90	89	0.006	22	0.009	40	110	27940	24680
91	9760	5.1	100	91	0.017	66	0.017	56	107	27940	24680
91	9840	5.1	100	91	0.009	160	0.009	60	113	27940	24680
91	9730	5	105	91	0.013	56	0.016	52	115	30620	24920
90	9850	5.5	105	90	0.013	48	0.013	50	107	28420	25660
89	9440	5.3	105	89	0.009	56	0.006	52	113	28880	24460
89	9710	5.3	105	89	0.012	30	0.01	32	93	29220	27000
89	8550	5.1	105	91	0.013	54	0.02	132	63	27320	25120
90	9210	5.4	105	91	0.011	105	0.018	180	87		
90	10440	5.2	105	91	0.013	70	0.018	95	58		
91	10710	5.2	105	91	0.014	170	0.01	190	90	29500	28860
91	10880	4.4	80	91	0.01	190	0.008	190	78	30320	29860
90	10890	5.4	80	90	0.024	185	0.021	240	140	30900	31500
89	11460	5.2	50	89	0.017	93	0.022	180	90	30640	30680
89	10810	5.7	50	89	0.019	320	0.014	350	70	27920	27420
90	11970	5.9	80	88	0.018	83	0.017	175	100		
89	11110	5.8	80	88	0.018	90	0.012	150	95		
87	10700	6.9	80	87	0.012	35	0.013	220	52	27460	27320
88	10830	7.6	50	88	0.012	280	0.016	410	73	27880	26880
86	9650	7.3	80	86	0.011	110	0.014	430	73	28580	28540

MAY 2008

DAY	OLD STILL PH old	NH3 old	FLOW old	NEW STILL PH new	NH3 new	FLOW new	Total Flow	FEED NH3 Feed	PHENOL Feed	E. BIOMAT TSS East	DO EAST	FLOWEAST
1				9.8	14	200	200	8.4	408	9780	5.6	105
2				9.78	15.1	200	200	10.4	343	9580	4.8	105
3				9.02	13.4	135	135	8.4	354	9720	4.8	105
4				9.4	18.5	130	130	12.6	414	10350	5.4	105
5				9.86	21	170	170	8.4	265	9990	6.5	105
6				10.91	13.4	170	170	7.3	289	9390	6.9	100
7				10.49	14.6	170	170	8.7	272	11310	6.3	80
8				10.71	19.9	200	200	8.4	248	10000	6.3	80
9				11.11	12.9	200	200	23.8	238	11340	6.1	90
10				10.53	13.4	140	140	16.8	285	10890	5.9	100
11				11	9	138	138	9	254	10370	6	105
12				10.1	13.7	200	200	12.6	220	9910	6	105
13				10.79	11.2	200	200	6.2	249	10610	5.6	95
14				11.29	8.4	205	205	5.6	232	10950	5.7	95
15				10.2	11.8	204	204	3.6	266	8650	5.6	95
16				9.77	15.7	200	200	4.2	205	10700	6.3	105
17				10.06	15.1	189	189	4.5	158	10390	6.7	105
18				9.84	20.2	160	160	5	186	10220	6.5	105
19				9.66	22.4	145	145	7	207	10380	6.6	105
20				9.44	17.4	138	138	7	158	10270	6.5	105
21				10.04	14.8	140	140	5.6	169	10130	6.5	105
22				10.43	42	200	200	7.6	182	9970	6.7	105
23				10.93	15.1	200	200	15.7	195	10360	6.7	100
24				10.6	14	140	140	11.8	176	10270	4.6	105
25				10.82	16.2	132	132	8.7	172	9930	4.1	105
26				10.14	15.7	200	200	5.6	224	10320	4.5	105
27				9.91	17.1	200	200	9.8	184	10020	4.7	100
28				10.8	19	200	200	8.7	193	10520	4.9	100
29				9.55	16.2	180	180	8.4	205	10930	4.7	100
30				10.5	14.6	200	200	5.6	243	11110	4.7	100
31				10.61	18.2	176	176	5	248	10370	4.9	100
AVERAGE												

TEMP EAST	W. BIOMAT TSS WEST	DO WEST	FLOW WEST	TEMP WEST	E. CLAR PHENOL EC	TSS EC	W. CLAR PHENOL WC	TSS WC	FEED TSS	E. CLAR REC. TSS	W. CLAR REC. TSS
88	9650	4.9	95	88	0.018	260	0.016	240	63	27420	28280
85	9570	6.4	95	85	0.019	270	0.015	280	68	27980	28760
84	11040	6.4	95	84	0.019	300	0.018	300	60	27980	28760
86	9090	6.6	95	86	0.013	220	0.012	240	53	27980	28760
84	9070	6.8	95	84	0.017	220	0.018	250	68	31100	28160
84	8740	7.1	95	84	0.016	250	0.016	300	83	31700	29420
85	9250	6.8	80	86	0.019	290	0.021	320	180	31040	29940
85	10850	6.5	80	85	0.015	60	0.022	65	195	29020	27000
85	10200	6.4	90	85	0.01	60	0.018	125	165	28080	25860
84	10200	6.4	100	84	0.014	58	0.017	57	200	23560	25860
84	10020	6.3	105	84	0.015	65	0.013	280	200	23560	25860
84	9350	6.2	105	84	0.011	70	0.02	120	225	23560	27100
85	9710	5.9	95	85	0.009	102	0.025	230	300	27120	24300
85	9870	5.7	95	85	0.01	32	0.022	140	195	27140	25580
85	9980	5.8	95	85	0.009	50	0.026	290	146	27240	24540
84	9730	6.6	105	85	0.009	32	0.018	190	136	29740	25760
82	9910	6.7	105	84	0.014	30	0.022	200	107	26860	28940
83	9000	6.5	105	85	0.013	30	0.02	210	110	26860	28940
83	9950	6.6	105	85	0.012	42	0.02	190	88	26860	28940
84	9660	6.6	105	85	0.017	70	0.015	140	107	29000	25140
84	9750	6.5	105	85	0.008	140	0.016	160	116	26780	25480
84	9720	6.6	105	85	0.009	73	0.012	52	93	26160	24520
84	9720	6.4	100	84	0.014	207	0.016	55	130	25620	27820
86	9360	5.5	105	88	0.013	100	0.018	60	133	25620	27820
88	9790	5.7	105	88	0.009	95	0.019	181	75	25620	27820
88	10320	5.5	105	88	0.012	57	0.016	420	95	25620	27820
86	9540	5.7	100	86	0.005	48	0.015	90	123	30000	26100
86	9660	5.7	100	86	0.013	30	0.018	95	108	30360	26880
86	9860	5.7	100	86	0.013	77	0.022	93	110	28260	24560
86	9650	5.2	100	86	0.012	70	0.02	90	117	27440	26500
86	9290	5.1	100	86	0.013	75	0.017	80	110	27440	26500

JUNE 2008

DAY	OLD STILL PH old	NH3 old	FLOW old	NEW STILL PH new	NH3 new	FLOW new	Total Flow	FEED NH3 Feed	PHENOL Feed	E. BIOMAT TSS East	DO EAST	FLOWEAST
1				10.95	15.4	157	157	7	292	10110	4.7	100
2				11.05	11.8	205	205	4.2	315	10710	4.5	105
3				10.27	12.3	210	210	4.2	313	10990	4	105
4				9.87	14.6	210	210	5.6	366	11600	4.5	105
5				11.3	56	208	208	9.8	373	11290	4.2	105
6				10.8	10.6	105	105	17.6	418	11480	3.5	105
7				10.12	11.2	115	115	12.6	400	11700	3.3	105
8				9.86	11.5	103	103	8.7	442	11140	3.1	105
9				10.09	12.6	110	110	10.9	415	11340	3.8	105
10				10.7	11.2	120	120	7.8	341	11220	4.2	105
11				11.26	10.6	119	119	9.2	280	10800	4.9	105
12				11.36	5	110	110	7.6	242	12250	5.5	70
13				10.82	10.9	140	140	15.7	297	11980	5	80
14				10.3	11.2	140	140	9.8	309	11210	5.6	80
15				10.84	11.2	115	115	9.2	331	10410	5.4	80
16				11.49	12.6	190	190	9.8	219	10850	5.6	100
17				10.09	11.8	180	180	8.4	201	10810	5.6	100
18				9.77	12.9	180	180	8.4	198	10270	5.4	100
19				10.25	9.8	170	170	9.8	222	9990	5.5	100
20				9.91	15.7	185	185	11.2	176	10040	5.4	100
21				10.32	11.2	138	138	10.4	198	10730	5.5	100
22				10.5	9.8	115	115	10.6	167	10420	5.4	100
23				10.67	9	160	160	11.8	270	9940	6.2	100
24				10.27	11.2	198	198	9.8	271	9870	6.2	100
25				9.79	14.6	160	160	12.6	305	10050	6.4	100
26				11.18	10.1	150	150	12	141	10920	6.4	80
27				10.7	12.9	150	150	11.2	259	8720	6.4	70
28				11.77	14	107	107	7.8	212	12190	6.5	70
29				10.41	18.2	120	120	9.8	189	10370	6.4	90
30				10.14	14	120	120	10.4	175	11430	6.4	90
31							0					
AVERAGE												

JUNE 2008

TEMP EAST	W. BIOMAT TSS WEST	DO WEST	FLOW WEST	TEMP WEST	E. CLAR PHENOL EC	TSS EC	W. CLAR PHENOL WC	TSS WC	FEED TSS	E. CLAR REC. TSS	W. CLAR REC. TSS
86	9270	5.2	100	86	0.009	70	0.016	130	76	27440	26500
88	9390	5.6	105	88	0.011	21	0.028	120	80	29020	23140
86	9510	5.1	105	86	0.011	83	0.021	220	143	30780	27200
88	9800	5.2	105	88	0.01	153	0.019	210	110	30320	28440
86	9830	4.7	105	86	0.009	54	0.011	240	123	31400	26700
86	10380	4.7	105	86	0.01	48	0.019	175	95	31220	26040
86	11200	5.6	105	86	0.012	29	0.015	155	85	31220	26040
88	11310	5.5	105	88	0.013	31	0.021	140	83	31220	26040
88	10680	5.8	105	88	0.014	23	0.02	130	64	30040	28300
88	10720	6.1	105	88	0.013	52	0.021	145	42	28600	26700
87	9750	6.3	105	87	0.014	58	0.021	100	60	28880	26920
84	10880	7	70	84	0.015	23	0.011	90	80	30080	27740
86	11820	6.8	80	86	0.013	186	0.022	165	98	27880	26500
86	11210	6.4	80	86	0.009	167	0.019	153	100	27880	26500
86	10110	6.2	80	86	0.013	153	0.017	147	107	27880	26500
86	10400	7	100	88	0.018	77	0.015	160	66	24540	26000
88	10290	6.8	100	88	0.025	700	0.02	330	70	25640	25740
88	10830	6.6	100	88	0.018	270	0.012	280	52	24360	26200
88	11040	6.6	100	88	0.021	107	0.019	330	78	24160	27400
88	11420	6.4	100	88	0.014	90	0.009	240	30	25700	24800
88	10410	6.2	100	88	0.015	100	0.009	190	40	25700	24800
88	10110	6.4	100	88	0.016	29	0.01	290	48	25700	24800
86	11310	6.8	100	85	0.023	58	0.022	350	60	26580	25540
86	10690	6	100	86	0.022	52	0.021	290	68	23820	25600
84	11240	5.7	100	84	0.022	52	0.019	250	86	25060	27420
84	11630	5.7	80	84	0.011	35	0.016	320	93	24680	26820
84	11350	5.7	70	86	0.016	40	0.013	230	68	25560	24240
84	13080	5.9	70	86	0.013	58	0.015	370	100	25560	24240
84	11110	5.9	90	86	0.012	64	0.015	240	93	25560	24240
82	11180	5.8	90	84	0.01	15	0.018	260	62	26600	25900

JULY 2008

DAY	OLD STILL PH old	NH3 old	FLOW old	NEW STILL PH new	NH3 new	FLOW new	Total Flow	FEED NH3 Feed	PHENOL Feed	E. BIOMAT TSS East	DO EAST	FLOWEAST
1				7.8	18.8	120	120	15.4	202	10760	6.6	90
2				11.14	8.1	117	117	12	250	10790	6.4	90
3				10.47	15.4	150	150	14.8	203	10960	6.4	85
4				10.23	16.2	170	170	13.2	270	11100	5.2	90
5				9.74	16.8	160	160	12.6	238	10980	6	100
6				10.6	13.7	140	140	10.9	238	10900	5.8	100
7				10.27	17.9	150	150	11.8	235	10600	5.8	105
8				9.99	18.8	199	199	14.8	240	10530	5.7	105
9				10.89	13.4	186	186	15.1	229	12070	5.5	105
10				10.58	12.9	185	185	12.9	314	11250	5.6	90
11				10.83	10.6	185	185	10.1	247	11230	5.9	95
12				10.28	14.3	123	123	9.5	268	11420	5.9	95
13				10.43	14.6	123	123	9.8	217	11000	5.8	95
14				10.79	11.5	190	190	9.8	307	10500	5.7	105
15				10.66	14	190	190	9.5	187	10440	5.7	105
16				10.98	19.6	193	193	14.8	186	10420	4.2	105
17				10.4	20.7	143	143	12.3	202	10650	5.6	105
18				10.55	18.5	203	203	16.8	260	9520	5	105
19				10.57	14.6	141	141	14	150	10260	4.9	105
20				10.27	13.4	145	145	13.4	190	11420	5	105
21				10.44	12.6	137	137	11.8	288	9630	5.7	105
22				11.2	9.8	200	200	10.6	334	9960	5.3	105
23				10.33	12.9	170	170	10.4	257	10870	5.7	105
24				10.72	12.3	200	200	31.4	299	10650	5.4	105
25				9.85	15.4	200	200	17.4	244	10500	5.3	105
26				9.53	19	180	180	16.8	310	10470	5.6	105
27				10.03	10.6	120	120	14.3	318	10280	5.5	105
28				9.49	12.3	200	200	10.6	300	10200	5.3	105
29				9.39	14.8	200	200	10.4	441	12940	5.2	105
30				9.21	22.4	200	200	11.2	409	11850	4.5	105
31				9.62	15.4	160	160	12.9	408	11070	5.1	90
AVERAGE												

TEMP EAST	W. BIOMAT TSS WEST	DO WEST	FLOW WEST	TEMP WEST	E. CLAR PHENOL EC	TSS EC	W. CLAR PHENOL WC	TSS WC	FEED TSS	E. CLAR REC. TSS	W. CLAR REC. TSS
84	11150	5.9	90	84	0.009	38	0.018	390	67	26880	25640
84	11210	5.7	90	84	0.011	45	0.021	290	53	24640	25580
82	11270	5.5	85	84	0.009	44	0.014	370	74	25020	26800
84	11160	6.1	90	86	0.015	55	0.022	280	48	25020	26800
86	10380	5.1	100	88	0.016	125	0.021	300	60	25020	26800
86	11450	5.1	100	88	0.013	50	0.022	240	47	25020	26800
86	9990	5.2	105	87	0.013	200	0.014	300	53	28000	24800
86	10060	5	105	87	0.014	42	0.015	230	48	25540	26560
86	11660	5.1	105	87	0.015	68	0.018	320	63	29620	25060
84	11060	5.1	90	85	0.016	230	0.01	310	109	27000	24660
84	12240	5.3	95	85	0.015	110	0.015	310	142	25540	26020
88	12220	5.3	95	90	0.012	90	0.017	290	40	25540	26020
88	11310	5.2	95	90	0.014	70	0.009	400	51	25540	26020
87	10580	5.1	105	88	0.012	73	0.01	73	60	26260	26400
86	10340	5.2	105	88	0.013	138	0.009	340	50	24980	25400
87	10420	5.7	105	88	0.013	57	0.014	180	64	29660	28560
87	10960	5.1	105	88	0.013	90	0.01	230	74	28320	22100
87	10700	5	105	88	0.016	115	0.013	240	71	25160	23650
88	11410	5.1	105	88	0.009	125	0.004	230	69	25160	23650
88	10320	5.2	105	88	0.004	110	0.005	190	74	25160	23650
88	10360	4.3	105	90	0.019	40	0.017	240	32	27040	22580
87	12720	4	105	91	0.009	60	0.014	320	64	29040	23480
86	10820	4.1	105	88	0.009	63	0.011	310	88	27620	24200
86	10950	3.9	105	90	0.009	39	0.013	300	84	28400	25820
87	10760	3.9	105	89	0.006	26	0.012	300	82	27020	23820
88	11770	3.8	105	91	0.012	35	0.019	230	62	27020	23820
86	11240	5.6	105	91	0.012	33	0.019	230	72	27020	23820
87	10910	3.9	105	89	0.012	56	0.019	380	58	26520	23740
87	11630	4.5	105	89	0.01	31	0.017	230	46	29060	26520
92	11800	4.5	105	94	0.011	42	0.018	220	72	25380	23200
87	13650	4.5	90	89	0.006	68	0.019	330	100	24560	24860

AUG 2008

DAY	OLD STILL PH old	NH3 old	FLOW old	NEW STILL PH new	NH3 new	FLOW new	Total Flow	FEED NH3 Feed	PHENOL Feed	E. BIOMAT TSS East	DO EAST	FLOWEAST
1				10.85	13.7	110	110	10.6	427	9980	5.2	90
2				9.89	16.5	118	118	10.6	395	10350	5.3	70
3				10.3	17.9	117	117	12.9	374	10240	5.7	83
4				10.24	19.6	140	140	13.7	374	10930	5.7	75
5				10.11	19	114	114	14.6	355	10810	5.8	75
6				9.47	21	150	150	15.1	300	10470	5.7	75
7				10.45	16.8	150	150	17.4	325	11560	5.6	95
8				10.14	15.4	170	170	14	349	9750	4.6	80
9				9.53	18.5	128	128	18.5	326	10010	6.6	80
10				9.8	17.6	120	120	20.2	327	10320	6.5	90
11				10.17	14.3	128	128	17.4	376	9650	6.2	90
12				10.23	13.7	128	128	15.4	382	10150	6.4	80
13				10.71	11.8	125	125	14.6	335	9790	6.3	90
14				11.16	12.3	180	180	14.8	381	10100	6.1	90
15				10.51	14.3	200	200	14.3	385	10170	5.6	100
16				10.85	13.2	136	136	12	468	10840	5.1	100
17				10.19	16.5	140	140	11.2	403	11070	5.6	100
18				10.63	15.7	195	195	12.6	363	11160	5.4	100
19				10.93	16.2	145	145	12.3	306	10860	4.8	100
20				10.1	18.8	190	190	11.1	303	10880	5	100
21				9.78	21.3	160	160	13.4	316	10690	4.9	100
22				10.21	19.3	160	160	14.3	358	10950	5	100
23				9.86	21.8	142	142	16.8	378	11140	5.7	100
24				8.9	21	134	134	16.8	298	8180	5.5	100
25				7.7	28.6	195	195	18.5	307	9700	5.2	100
26				10.9	11.8	190	190	17.4	332	9370	4.7	100
27				10.12	16.8	200	200	19.6	382	9670	4.3	100
28				10.3	15.1	200	200	18.5	396	9650	4.5	100
29				11.11	12.3	200	200	16.5	381	10250	3.8	100
30				10.5	15	200	200	15.7	458	10440	3.7	100
31				11.41	14	135	135	11.2	443	10520	3.7	100
AVERAGE												

AUG 2008

TEMP EAST	W. BIOMAT TSS WEST	DO WEST	FLOW WEST	TEMP WEST	E. CLAR PHENOL EC	TSS EC	W. CLAR PHENOL WC	TSS WC	FEED TSS	E. CLAR REC. TSS	W. CLAR REC. TSS
84	12380	3.9	90	85	0.01	74	0.016	290	84	27360	25180
86	11450	4.5	70	91	0.011	76	0.016	200	90	27360	25180
86	11110	7.4	83	91	0.008	63	0.014	190	84	27360	25180
84	10940	4.8	75	86	0.008	80	0.011	360	88	28740	28500
84	11390	4.2	75	86	0.008	80	0.019	410	98	26440	29780
86	16200	7.3	75	88	0.007	73	0.014	460	78	27680	27500
89	12370	6.8	95	89	0.01	788			100	24400	27280
88		5.1	80	89	0.11	4360			110	24400	24400
90		7.3	80	91	0.013	50			250	24400	24400
86		6.7	90	88	0.01	40			220	24400	24400
88		6.5	80	86	0.015	100			190	20700	20700
86		6.2	80	86	0.018	68			165	21300	21300
86	10360	5.8	90	88	0.009	58			106	20780	20780
86	10100	4.7	90	88	0.018	80			100	20780	20780
87	10170	4.8	100	89	0.015	88			90	20780	20780
89	10840	4.4	100	91	0.02	117			84	20780	20780
91	11070	6.1	100	93	0.015	107			103	21720	21780
91	11160	5.8	100	91	0.023	135			82	21720	21780
89	10860	5.3	100	90	0.016	125			86	23520	22240
89	10880	5.2	100	90	0.014	90			82	19880	20040
87	10820	4.6	100	89	0.017	145	0.014	245	92	21400	22860
87	13720	4.9	100	89	0.018	100	0.018	180	107	23400	24040
88	12740	6.1	100	91	0.017	107	0.013	200	117	23400	24040
88	9250	5.9	100	91	0.014	93	0.02	230	127	23400	24040
89	9240	5.5	100	90	0.006	62	0.014	165	103	26840	27980
86	10900	5.1	100	88	0.01	47	0.012	190	82	23060	25500
86	11130	4.6	100	88	0.013	83	0.016	100	52	24560	23440
86	11170	4.5	100	88	0.009	78	0.012	53	44	24340	24140
86	10590	4	100	88	0.015	103	0.017	60	66	22540	23040
91	10970	4.2	100	95	0.021	95	0.018	50	65	22540	23040
90	11280	4.1	100	93	0.02	145	0.016	80	65	22540	23040

SEP 2008

DAY	OLD STILL PH old	NH3 old	FLOW old	NEW STILL PH new	NH3 new	FLOW new	Total Flow	FEED NH3 Feed	PHENOL Feed	E. BIOMAT TSS East	DO EAST	FLOWEAST
1				9.88	17.4	145	145	13.7	500	10030	4.5	100
2				10.2	16.2	140	140	10.9	426	9580	5.1	80
3				10.38	17.9	150	150	14	476	8960	5.1	100
4				10.38	13.4	180	180	14.6	439	10150	4.9	100
5				10.55	14	185	185	14	428	9850	4.8	100
6				9.37	15.7	178	178	10.6	414	9460	4.6	100
7				10.45	14.6	175	175	10.1	370	9390	4.1	100
8				10.9	15.1	190	190	11.5	411	10230	4	100
9				10.4	14	193	193	11.5	343	8970	3.9	100
10				10.89	13.7	195	195	13.4	351	9330	3.8	100
11				9.73	18.8	194	194	11.8	324	9190	4	100
12				9.68	19	200	200	12.6	399	9130	4.6	100
13				9	23.8	196	196	14	404	10310	4.6	100
14				10.52	18.5	200	200	15.1	352	10190	4.8	95
15				10.69	16.8	206	206	15.1	324	9480	5.3	95
16				10.55	16	200	200	13.4	272	8530	5.2	95
17				10.88	14.6	199	199	11.2	264	9270	5.7	100
18				9.34	20.7	194	194	12	265	11870	5.5	100
19				9.97	18.2	195	195	13.2	291	9220	5.6	100
20				9.94	18.2	200	200	12.6	353	9920	5.1	100
21				10.36	13.7	175	175	13.2	337	9240	5.3	100
22				9.46	17.9	178	178	14	302	9140	5.2	100
23				10	19.6	190	190	19.6	347	9110	5.6	90
24				10.69	16	190	190	17.9	408	9170	5.7	90
25				10.41	17.4	175	175	15.7	265	9380	6	90
26				9.76	21.8	180	180	16	209	9030	6.3	80
27				9.54	18.2	196	196	14	300	9980	6	80
28				9.89	20.2	190	190	16.2	276	9210	6.1	85
29				9.97	16.2	180	180	23.2	292	9090	5.5	95
30				10.49	16	180	180	20.2	273	9180	5.3	95
AVERAGE							0					

TEMP EAST	W. BIOMAT TSS WEST	DO WEST	FLOW WEST	TEMP WEST	E. CLAR PHENOL EC	TSS EC	W. CLAR PHENOL WC	TSS WC	FEED TSS	E. CLAR REC. TSS	W. CLAR REC. TSS
88	11030	4.8	100	90	0.045	220	0.049	107	65	25420	26660
86	10710	4.8	80	88	0.015	190	0.017	155	83	25420	26660
86	10980	5.4	100	90	0.016	200	0.022	240	68	22800	25860
87	11680	4.2	100	90	0.011	135	0.021	300	82	23800	24340
86	11620	4.2	100	89	0.014	93	0.024	250	80	22260	24180
86	11350	4.2	100	89	0.016	30	0.019	200	63	22260	24180
88	11420	4.4	100	91	0.016	48	0.012	210	58	22260	24180
88	11440	3.6	100	90	0.017	50	0.016	140	54	21820	23720
87	9660	4.3	100	90	0.009	31	0.016	155	60	19940	24960
88	11310	4.2	100	90	0.011	55	0.017	165	53	20420	24620
88	11000	4.3	100	90	0.01	35	0.019	170	47	22740	24700
90	10570	4.7	100	92	0.012	60	0.021	145	58	24620	24080
90	11410	5	100	93	0.017	62	0.012	135	62	24620	24080
88	11030	5.1	95	91	0.01	52	0.008	260	58	24620	24080
88	10650	5.6	95	89	0.009	62	0.01	73	52	21280	23760
88	12160	5.4	95	89	0.009	52	0.012	115	70	22040	24400
83	10650	6	100	87	0.011	40	0.008	73	82	20280	26380
83	10570	5.6	100	87	0.01	46	0.008	125	64	23020	22260
84	6730	6.1	100	86	0.008	30	0.008	57	64	22300	22200
84	8420	3.4	100	88	0.009	32	0.016	60	66	22300	22200
84	9000	3.4	100	88	0.009	40	0.008	94	68	22300	22200
84	10490	3.5	100	88	0.011	30	0.016	60	58	20860	22120
84	10450	6.1	90	86	0.006	34	0.006	46	82	20040	21920
84	10320	6.1	90	86	0.008	34	0.008	34	86	23380	19420
82	10330	6.2	90	84	0.009	34	0.011	48	74	20060	23060
82	10320	6.5	80	84	0.008	22	0.011	56	86	20000	19900
82	9240	6.3	80	84	0.01	29	0.014	60	70	20000	19900
82	10210	6.2	85	84	0.009	21	0.011	62	76	20000	19900
86	10120	3.3	95	88	0.004	38	0.005	38	90	20780	21760
83	10640	3.3	95	84	0.004	56	0.005	48	68	21040	20740

OCT 2008

DAY	OLD STILL PH old	NH3 old	FLOW old	NEW STILL PH new	NH3 new	FLOW new	Total Flow	FEED NH3 Feed	PHENOL Feed	E. BIOMAT TSS East	DO EAST	FLOWEAST
1				9.26	22.4	185	185	16.8	300	10120	5.5	95
2				9.95	19.9	170	170	16	220	9690	8.6	85
3				9.53	21.3	200	200	17.1	267	9470	5.5	85
4				9.7	22.4	206	206	22.4	282	9320	6.5	105
5				10.01	16.8	205	205	16.8	260	9280	6.3	105
6				9.7	18.5	210	210	17.6	327	10100	5.8	105
7				9.68	17.1	210	210	17.1	445	10280	4.9	105
8				9.84	15.4	210	210	15.1	438	9990	5	105
9				11.82	3.9	200	200	11.8	388	10100	5.1	105
10				10.82	12	195	195	11.2	356	9880	4.9	105
11				10.5	15	200	200	11.2	408	10270	5	105
12				10.7	15.7	241	241	10.6	436	8390	4.9	105
13				9.9	19.3	232	232	11.8	282	9660	5	105
14				9.84	17.4	250	250	12.6	387	10200	5	105
15				10.88	4.8	254	254	11.2	339	10260	5	105
16				10.44	12.6	215	215	11.8	314	9120	7	105
17				10.04	14	215	215	9.2	302	10470	4.8	110
18				10.57	15.7	200	200	12.6	395	10410	5.2	110
19				10.08	17.6	250	250	9	373	10110	5.1	110
20				9.53	18.2	214	214	10.4	395	10300	4.8	110
21				10.47	10.1	210	210	10.6	434	10350	5.5	110
22				10.58	14	185	185	9.2	246	10040	4.9	110
23				10.14	15.1	195	195	8.4	294	10070	4.9	110
24				10.13	15.7	195	195	9	329	10030	5.7	90
25				10.4	14	219	219	8.1	435	9980	6.1	90
26				10.61	13.7	218	218	8.4	410	8370	6	90
27				9.54	16	198	198	10.1	244	9920	6.3	100
28				9.5	1403	198	198	9.8	224	9650	7.2	100
29				9.74	15.1	200	200	9	211	9550	7.2	100
30				10.14	12	195	195	9.2	194	9530	7.4	100
31				10.08	14	195	195	8.4	217	9350	6.6	110
AVERAGE												

TEMP EAST	W. BIOMAT TSS WEST	DO WEST	FLOW WEST	TEMP WEST	E. CLAR PHENOL EC	TSS EC	W. CLAR PHENOL WC	TSS WC	FEED TSS	E. CLAR REC. TSS	W. CLAR REC. TSS
82	10190	3.4	95	84	0.006	44	0.008	34	50	21080	20600
83	10420	7.8	85	84	0.005	50	0.004	22	50	22800	23080
83	10120	5.4	85	84	0.009	28	0.009	18	40	21240	21200
81	10750	5.9	105	84	0.008	32	0.009	24	45	22000	22000
82	11100	5.7	105	84	0.004	36	0.005	34	50	22000	22000
86	10800	5.4	105	88	0.008	44	0.009	18	38	21240	21520
88	10900	4.5	105	90	0.006	54	0.009	26	50	22920	21600
88	10760	5	105	90	0.007	35	0.008	18	53	22100	23820
88	10980	5.1	105	90	0.01	36	0.01	16	86	21540	22260
88	11270	4.8	105	90	0.008	42	0.008	28	96	21360	23220
88	10110	5	105	90	0.008	40	0.008	30	100	21400	22500
88	10220	5.5	105	90	0.004	42	0.005	30	94	21500	22600
86	11240	6.8	105	88	0.015	56	0.009	30	102	25620	23700
86	10850	6.8	105	88	0.007	57	0.013	23	93	21980	23120
88	11140	6.8	105	90	0.009	38	0.014	14	54	23920	21640
86	10450	4.9	105	88	0.008	42	0.011	17	64	21920	21940
88	11070	6.9	110	90	0.006	43	0.012	25	44	20900	21820
88	11210	5.8	110	90	0.009	50	0.01	34	66	20900	21820
88	11090	5.7	110	90	0.009	50	0.009	21	64	20900	21820
88	11300	5.6	110	90	0.014	68	0.02	23	66	20620	21620
82	11320	7.6	110	85	0.008	80	0.014	46	72	20380	22660
82	11320	7.5	110	84	0.008	34	0.008	28	58	19960	21440
82	11640	7.6	110	84	0.000	36	0.007	28	64	21620	22500
80	11210	7.9	90	82	0.019	26	0.022	28	60	20720	23060
80	11760	8.1	90	82	0.016	36	0.012	28	53	20720	23060
80	9610	8	90	82	0.017	38	0.007	30	68	20720	23060
78	11400	8.3	100	80	0.005	32	0.014	28	54	19580	23000
77	11730	8.7	100	78	0.007	20	0.016	38	54	18840	21720
77	11580	8.7	100	78	0.008	48	0.015	52	104	19880	21380
77	11330	8.1	100	78	0.005	28	0.011	26	76	20040	21960
77	11320	8.4	110	78	0.004	28	0.007	40	82	19840	23260

DAY	OLD STILL PH old	NH3 old	FLOW old	NEW STILL PH new	NH3 new	FLOW new	Total Flow	FEED NH3 Feed	PHENOL Feed	E. BIOMAT TSS East	DO EAST	FLOWEAST
1				10.55	14.6	200	200	9.5	204	9860	5.7	105
2				10.55	12.9	220	220	9.5	192	9810	5.7	105
3				9.75	17.1	220	220	8.4	184	9520	5.7	105
4				10.21	15.4	220	220	9.2	308	9510	5.7	105
5				9.81	14	220	220	11.2	265	9420	5.4	105
6				9.37	16.8	212	212	9.8	288	9600	5.4	105
7				10.43	12.9	212	212	9	297	9610	5.8	105
8				10.4	13.2	217	217	8.4	378	9730	5.8	105
9				10.9	12.6	220	220	10.1	290	9410	5.8	105
10				11.07	12.9	210	210	9.8	315	9610	7	110
11				10.3	16	210	210	7.3	248	9560	6.5	110
12				10.77	12.3	210	210	7.3	230	9900	6.2	100
13				10.17	16.2	210	210	9	313	10530	5.9	105
14				10.38	12.9	222	222	8.4	275	10160	5.9	105
15				10.35	13.4	223	223	8.4	208	12760	5.9	105
16				10.81	11	222	222	6.2	204	11420	5.9	105
17				10.5	13.4	209	209	5.3	261	9410	6.8	110
18				9.94	14	210	210	5.6	257	9510	6.4	110
19				9.76	15.7	210	210	5.6	283	9630	6.4	110
20				10.51	14	210	210	7	261	8110	6.2	110
21				10.88	13.7	210	210	9	214	10150	6.7	110
22				10.45	14	210	210	5.6	217	9170	7.5	90
23				10.48	15.4	212	212	10.6	215	10650	7.9	80
24				9.63	17.4	220	220	12.6	138	9950	7.9	80
25				9.21	16.2	220	220	11.5	127	10100	7.9	80
26				10.72	14	220	220	7	112	9940	7.9	80
27				10.05	16.2	195	195	4.8	175	9270	7.9	80
28				9.52	15.7	212	212	6.2	116	9620	7.9	80
29				9.79	11.5	222	222	7.8	156	9920	7.9	80
30				10.44	14	220	220	8.4	197	9140	7.9	80
31							0					
AVERAGE												

TEMP EAST	W. BIOMAT TSS WEST	DO WEST	FLOW WEST	TEMP WEST	E. CLAR PHENOL EC	TSS EC	W. CLAR PHENOL WC	TSS WC	FEED TSS	E. CLAR REC. TSS	W. CLAR REC. TSS
88	10100	7.5	105	90	0.004	30	0.009	38	78	19060	22660
88	12030	7.5	105	90	0.003	8	0.005	14	70	19060	22660
88	11520	7.5	105	90	0.008	22	0.009	23	115	19060	22660
88	11630	7.5	105	90	0.003	13	0.01	10	73	20040	22760
82	11660	7.1	105	86	0.004	24	0.005	38	110	20300	23480
82	11680	7.1	105	86	0.004	19	0.013	23	103	19480	22980
87	11560	4.9	105	88	0.006	14	0.012	19	90	19520	23260
87	11310	4.9	105	88	0.009	21	0.009	26	80	19520	23260
87	11410	4.9	105	88	0.004	16	0.011	26	110	19520	23260
84	11000	7.3	110	88	0.008	17	0.013	29	92	20420	22740
86	11300	7.3	110	88	0.007	42	0.008	34	110	20420	22740
86	13830	7.4	100	88	0.005	19	0.008	15	78	20840	22820
86	10920	7.3	105	89	0.005	27	0.006	25	120	20780	24720
86	11900	7.3	105	89	0.009	21	0.011	29	87	21680	23460
86	11640	7.3	105	89	0.006	19	0.007	21	73	21680	23460
86	11420	7.3	105	89	0.004	20	0.007	20	83	21680	23460
83	11190	7.5	110	85	0.008	30	0.009	31	103	23140	25120
85	10580	7.9	110	88	0.004	19	0.004	38	97	21580	24780
85	10550	7.9	110	88	0.007	37	0.012	38	123	21100	24200
86	11670	5.8	110	87	0.008	26	0.005	26	90	21540	23900
84	12520	7.8	110	86	0.007	26	0.009	26	100	20040	24760
73	10310	8.1	90	75	0.008	20	0.01	19	93	20040	24760
73	9720	8.3	80	75	0.004	7	0.007	5	20	20040	24760
73	12580	8.3	80	75	0.000	18	0.000	12	82	19460	22620
73	13310	8.3	80	75	0.005	29	0.006	23	86	20260	23760
73	13950	8.3	80	75	0.004	32	0.007	20	60	21440	23040
73	11480	8.3	80	75	0.002	29	0.004	24	68	21440	23040
73	12710	8.3	80	75	0	9	0	12	62	21440	23040
73	12950	8.3	80	75	0.002	24	0.001	14	60	21440	23040
73	13720	8.3	80	75	0.004	28	0.007	16	72	21440	23040

DAY	OLD STILL PH old	NH3 old	FLOW old	NEW STILL PH new	NH3 new	FLOW new	Total Flow	FEED NH3 Feed	PHENOL Feed	E. BIOMAT TSS East	DO EAST	FLOWEAST
1				10.37	14.8	210	210	8.4	92	10530	8	110
2				10.76	14	210	210	4.2	88	9600	8.5	110
3				10.22	16.8	208	208	5.6	46	9640	7.7	110
4				10.79	14	208	208	6.4	70	8790	7.7	100
5				10.62	14.3	208	208	3.6	70	10290	7.6	100
6				11	12.3	221	221	3.9	18.5	8760	7.7	90
7				10.9	15.6	225	225	2.8	17.5	10010	7.6	90
8				10.96	13.7	159	159	0.8	51	9710	8.6	95
9				9.82	14.6	175	175	0.0	42	9880	8.4	105
10				10.53	11.8	180	180	8.1	36	9710	8.2	105
11				10.15	12	210	210	6.4	28	9760	8	105
12				10.25	12.6	208	208	4.2	69	9660	8.7	110
13				10.2	21	210	210	2.8	57	9730	8.5	110
14				10.75	18.2	220	220	7	48	9010	8.4	110
15				10.64	19	220	220	7.6	81	10080	8.2	110
16				10.25	19.3	200	200	10.4	114	10090	7.5	120
17				10.75	16.8	197	197	12.6	101	10020	7.3	115
18				11.22	13.4	210	210	11.8	163	9830	7.4	115
19				10.84	16	201	201	10.1	120	10210	7.5	105
20				10.4	21.6	200	200	12.3	135	10100	7.5	115
21				10.77	18.2	219	219	12	189	10280	8	115
22				11	16	209	209	11.2	162	11660	9.3	100
23				11.09	16.5	210	210	11.2	123	10080	9.4	100
24				11.09	10.4	152	152	7	123	10600	8.4	110
25				10.84	12.3	152	152	4.2	109	10900	8.1	110
26				10.93	13.2	195	195	2.8	127	10580	7.6	110
27				10.85	12.6	195	195	4.2	135	9090	7.4	110
28				10.67	10.1	195	195	2.2	176	10880	7.6	110
29				10.97	11.2	190	190	1.4	12	10740	7.5	110
30				10.31	14	190	190	3.9	35	10480	7.6	110
31				11.32	7.6	180	180	2.8	40	10260	7.6	110
AVERAGE												

DEC 2008

TEMP EAST	W. BIOMAT TSS WEST	DO WEST	FLOW WEST	TEMP WEST	E. CLAR PHENOL EC	TSS EC	W. CLAR PHENOL WC	TSS WC	FEED TSS	E. CLAR REC. TSS	W. CLAR REC. TSS
76	12550	8	110	77	0.003	29	0.004	24	60	19660	24700
79	12490	8.4	110	80	0.003	33	0.004	18	84	18780	22420
89	12040	8.3	110	91	0.000	28	0.000	35	103	20160	23260
89	13140	8.2	100	91	0.004	18	0.005	19	90	19840	22240
89	13250	8.1	100	91	0.004	17	0.005	15	82	20060	22400
92	14060	7.9	90	93	0.012	19	0.002	24	76	20060	22400
91	12890	7.8	90	93	0.007	25	0.007	25	98	20060	22400
90	12510	9	95	91	0.004	28	0.007	27	110	18840	21660
91	12410	9.4	105	91	0.003	30	0.006	27	130	19720	23660
81	12450	8.4	105	83	0.005	17	0.005	14	82	20000	22640
82	13170	8.3	105	84	0.000	59	0.000	19	116	22760	23700
77	11720	8.8	110	78	0.005	14	0.004	12	66	20280	22900
78	11130	8.7	110	79	0.007	20	0.011	17	70	20280	22900
78	10170	8.6	110	79	0.004	24	0.004	20	64	20280	22900
79	12010	8.1	110	80	0.004	24	0.005	22	118	21060	24320
83	11780	8	120	84	0.004	23	0.006	34	112	22840	23700
84	13060	7.6	115	86	0.000	17	0.004	23	74	21100	22800
86	11220	7.8	115	88	0.006	19	0.001	28	62	21300	22820
84	11670	7.9	105	86	0.008	16	0.013	30	44	20940	23660
84	11970	7.8	115	86	0.011	17	0.013	24	56	20940	23660
77	13130	8.4	115	82	0.003	34	0.004	31	68	20940	23660
72	12380	9	100	77	0.007	26	0.007	37	74	21860	22460
70	12320	9	100	75	0.006	15	0.006	30	40	20760	20840
75	11780	8.4	110	77	0.008	10.5	0.013	24	46	20760	20840
77	12310	8.6	110	79	0.009	10	0.011	22	72	20760	20840
78	11530	8.3	110	82	0.004	14	0.007	31	82	20760	20840
82	14140	8.1	110	85	0.009	13	0.012	24	82	20760	20840
81	12490	8.3	110	84	0.016	16	0.018	34	74	20760	20840
81	11770	8.2	110	84	0.005	17	0.004	43	94	19940	19800
81	12020	8.2	110	84	.000	18	0.003	40	134	20860	20140
81	11590	8.2	110	84	0.001	17	0.002	34	126	18940	20540

JAN 2009

DAY	OLD STILL PH old	NH3 old	FLOW old	NEW STILL PH new	NH3 new	FLOW new	Total Flow	FEED NH3 Feed	PHENOL Feed	E. BIOMAT TSS East	DO EAST	FLOWEAST
1				10.27	12.9	190	190	2	45	10320	8.4	110
2				11	13.2	190	190	2.8	20	10390	8.4	110
3				10.29	14	220	220	2	12.5	10130	8.4	110
4				10.89	13.7	220	220	2.8	8	10040	8.4	110
5				11.5	9.5	220	220	3.9	17	9760	8.4	110
6				11.53	5.9	190	190	1.4	34	9890	8.4	110
7				11.48	6.7	220	220	5.6	83	10040	8.4	115
8				11.05	7.8	209	209	2.8	101	10110	8.3	115
9				11.29	6.4	209	209	2.8	129	10420	8.2	120
10				10.85	9.5	213	213	2.5	129	9370	7.7	120
11				10.79	10.1	215	215	2.2	138	10290	7.7	120
12				10.65	10.6	210	210	4.5	102	10640	7.5	120
13				9.99	12	210	210	3.4	155	10380	7.3	120
14				10.38	9.5	210	210	1.4	138	10700	7.7	110
15				10.2	9.8	210	210	5	70	10060	7.9	110
16				10.44	10.6	210	210	3.1	75	10570	8.3	110
17				10.94	8.1	195	195	2	78	10370	8.6	110
18				10.79	6.7	195	195	91	463	8720	7.6	120
19				10.45	8.4	209	209	53.2	6	10390	8.1	100
20				10.11	8.4	210	210	24.9	40	10080	8.1	100
21				10.57	8.1	210	210	9.2	38	10220	9	100
22				10.24	7.8	210	210	3.1	20	10170	8.5	110
23				10.65	7.6	220	220	3.6	37	10060	8.5	110
24				10.23	8.4	200	200	2.8	46	10420	7.9	120
25				7.09	79	180	180	2.8	40	9870	7.2	120
26				11.1	7	219	219	3.4	24	10370	8.4	90
27				11.1	7	198	198	2.2	7.8	10460	8.6	100
28				11.15	9.8	190	190	5.6	75	9950	8.6	100
29				11.44	7.6	190	190	3.4	8	9950	8.2	100
30				11.27	6.7	190	190	1.4	35	10090	8.2	100
31				101.7	5	190	190	4	50	10090	8.3	110
AVERAGE												

TEMP EAST	W. BIOMAT TSS WEST	DO WEST	FLOW WEST	TEMP WEST	E. CLAR PHENOL EC	TSS EC	W. CLAR PHENOL WC	TSS WC	FEED TSS	E. CLAR REC. TSS	W. CLAR REC. TSS
73	11420	8.8	110	77	0.008	21	0.007	29	110	20100	21500
73	11130	8.8	110	77	0.005	11	0.005	21	62	20100	21500
73	11040	8.8	110	77	0.005	11	0.008	14	76	20100	21500
76	10620	8.8	110	78	0.006	14	0.01	13	70	20100	21500
78	9720	8.8	110	82	0.005	16	0.007	48	106	24940	26120
80	10700	8.8	110	82	0.005	17	0.002	20	106	20920	21380
82	14400	8.8	115	84	0.008	21	0.012	27	128	20080	21700
84	10570	8.9	115	86	0.006	22	0.009	28	106	20400	20820
90	10740	8.3	120	92	0.009	21	0.005	56	100	19860	21260
80	9920	8.7	120	82	0.004	10	0.008	16	104	20100	21260
80	11140	8.7	120	82	0.004	16	0.011	48	112	20100	21260
82	10880	8.6	120	85	0.000	22	0.004	90	48	21780	21440
83	11440	8.4	120	86	0.007	25	0.01	145	76	26660	22560
83	11260	8.9	110	85	0.026	23	0.028	40	68	20640	19840
82	9940	9.1	110	84	0.006	22	0.006	22	58	20980	18780
78	14500	9.4	110	81	0.004	29	0.004	29	78	21200	18600
76	9240	9.2	110	78	0.007	24	0.005	26	94	21200	18600
75	10480	8.2	120	77	0.008	23	0.009	36	108	21200	18600
84	10400	8.6	100	85	0.002	12	0.01	4	86	20820	19160
77	10150	9.1	100	79	0.002	9	0.003	7	73	19440	18920
85	10440	9.3	100	86	0.004	19	0.005	16	92	20400	18680
75	10890	9	110	77	0.003	23	0.001	18	98	20940	19660
75	10030	9	110	77	0.004	23	0.006	17	90	20180	20080
78	10090	8.8	120	80	0.003	22	0.004	20	92	20180	20080
77	9910	7.4	120	78	0.005	20	0.004	14	90	20180	20080
78	10960	9.2	90	80	0.007	23	0.007	17	170	19040	19720
77	10710	9.8	100	78	0.004	18	0.002	7	163	18280	19600
77	9380	9.8	100	78	0	18	0	13	148	20500	19460
76	9870	9	100	77	0.001	28	0	18	110	19700	19480
78	10510	9	100	77	0.011	23	0.01	19	77	17500	19800
80	10510	9	110	81	0.011	23	0.01	19	77	17500	19800

FEB 2009

DAY	OLD STILL PH old	NH3 old	FLOW old	NEW STILL PH new	NH3 new	FLOW new	Total Flow	FEED NH3 Feed	PHENOL Feed	E. BIOMAT TSS East	DO EAST	FLOWEAST
1							0					
2				11.13	8.1	190	190	5	8.3	9950	7.8	110
3				11.69	6.2	200	200	2.8	7.5	9860	7.4	110
4				11.75	5.6	200	200	2.2	25	9940	8.1	90
5				9.6	30.8	200	200	1.4	42	9810	7.6	100
6				10.03	14.3	220	220	4.2	35	7330	7.2	110
7				11.15	15	200	200	4.2	50	8000	7.2	100
8				10.68	15	223	223	4.2	75	9000	7.2	100
9				9.69	11.2	200	200	5	102	9540	7.1	100
10				9.76	11.5	200	200	5.6	86	11970	6.9	100
11				9.23	8.4	198	198	3.6	75	11240	7	100
12				10	8.4	198	198	3.9	50	9810	7.4	100
13				11.18	21	188	188	5.6	53	10270	7.3	100
14				10.71	10	210	210	5.6	53	10270	7	100
15				10.53	10	170	170	5.6	53	10270	7	80
16				10.63	9.5	200	200	2.8	18	10690	7.3	80
17				11.4	7.6	200	200	2.8	19	11030	7.3	80
18				11.12	5.9	200	200	2.8	28	10870	7.2	90
19				10.41	8.7	185	185	3.6	39	10000	7.2	110
20				9.96	11.8	200	200	2.8	48	9290	7.2	110
21				10.76	12	210	210	3	50	10000	7	110
22				10.4	15	200	200	5	50	10000	7	110
23				9.81	17.9	197	197	3.4	25	10940	7.2	100
24				9.78	15.4	215	215	2.2	32	11230	6.8	100
25				9.88	15	198	198	3.1	52	11250	6.8	90
26				10.12	14	190	190	3.4	48	11580	6.7	90
27				9.38	15.7	190	190	4.2	67	10970	6.6	95
28				11.32	10	190	190	5	60	10970	6.6	95
							0					
							0					
							0					
AVERAGE												

FEB 2009

TEMP EAST	W. BIOMAT TSS WEST	DO WEST	FLOW WEST	TEMP WEST	E. CLAR PHENOL EC	TSS EC	W. CLAR PHENOL WC	TSS WC	FEED TSS	E. CLAR REC. TSS	W. CLAR REC. TSS
77	10500	8.8	110	78	0.003	13	0.003	13	1	20680	20640
80	10530	8.9	110	82	0.004	22	0.004	30	123	19890	20620
75	11360	9.6	90	76	0.004	30	0.004	36	113	17940	20240
76	12620	10.5	100	78	0.004	19	0.004	36	80	20680	21100
76	10660	9.6	110	78	0.004	38	0.002	39	68	19840	19960
76	10660	9.1	100	78	0.004	38	0.002	20	76	17760	20260
76	10660	9.1	100	78	0.004	38	0.002	20	76	17760	20260
76	10660	9.1	100	78	0.005	25	0.004	20	76	17760	20260
76	9120	9.3	100	78	0.002	35	0	11	72	20460	13440
76	5600	9.6	100	77	0.002	36	0.001	8	64	23080	5160
74	8610	9.4	100	76	0.006	10	0.006	5	106	21080	21000
75	8910	9.3	100	76	0.002	17	0.002	9	86	21460	19000
72	8910	9	100	75	0.002	17	0.002	9	86	21460	19000
83	8910	9.2	80	75	0.002	17	0.002	9	86	21460	19000
74	9280	9.5	80	76	0.01	23	0.009	10	95	21580	17860
74	9420	9.5	80	76	0.007	31	0.008	16	112	21800	17300
74	9270	9.1	90	76	0.011	29	0.009	19	125	20620	20300
75	9000	9.5	110	76	0.011	24	0.009	33	98	21140	17680
76	9000	9.4	110	78	0.007	20	0.011	6	143	19820	19260
76	9000	9.3	110	78	0.009	30	0.009	15	150	19820	19260
76	9000	9.2	110	78	0.009	30	0.009	15	150	19820	19260
76	9470	9.1	100	78	0.003	25	0.005	20	180	21940	19000
76	9820	9.3	100	77	0.004	30	0.003	16	180	21860	19300
77	9730	9.4	90	78	0.006	29	0.009	21	147	22200	17900
77	10220	9.2	90	78	0.003	21	0.004	6	127	21480	16840
75	9810	9	95	77	0.005	19	0.009	9	120	21200	17360
75	9800	9	95	77	0.005	20	0.009	9	120	21200	17360

DAY	OLD STILL PH old	NH3 old	FLOW old	NEW STILL PH new	NH3 new	FLOW new	Total Flow	FEED NH3 Feed	PHENOL Feed	E. BIOMAT TSS East	DO EAST	FLOWEAST
1				9.7	10	190	190	15	60	10970	6.6	95
2				10.78	11.2	188	188	5.3	40	10810	7.2	110
3				11.21	12	190	190	2.5	33	10860	7.2	110
4				11.09	9.2	190	190	1.7	192	11040	6.9	110
5				9.81	12.6	202	202	2.8	51	11320	6.6	100
6				10.03	12.9	188	188	3.6	40	11650	6.6	95
7				9.93	10	200	200	5	40	11650	9	95
8				9.6	10	220	220	5	40	11650	9	95
9				10.15	10.1	216	216	8.7	101	11620	6.2	95
10				9.97	85.4	155	155	9.8	111	11370	6.1	95
11				11.6	7	180	180	11.5	88	12190	5.9	105
12				10.85	9	175	175	8.4	136	11260	6.5	90
13				9.95	10.1	180	180	2.8	133	11910	6.7	70
14				10.88	10	200	200	2.8	133	11910	6.7	70
15				11	10	200	200	2.8	133	11910	6.7	70
16				10.2	9	220	220	2.8	68	12710	6.7	90
17				10.34	8.4	180	180	2.2	39	10820	6.7	90
18				11.02	7.3	185	185	2.2	77	11240	6.6	90
19				11.63	7.8	180	180	3.6	61	10720	6.2	100
20				10.67	6.7	150	150	2	66	11690	6.4	78
21				9.9	6	194	194	4	65	11690	6.4	78
22				10.17	6	194	194	4	65	11690	6.4	78
23				10.87	9	165	165	3.4	72	11550	6.4	85
24				11.31	6.7	150	150	2.8	90	11610	6.5	85
25				11.36	5.9	150	150	2.8	112	11160	6.3	85
26				10.46	8.1	180	180	2.8	119	11240	6.3	85
27				10.1	13.4	175	175	3.4	127	11120	6.1	85
28				10.26	10	200	200	3.4	127	11120	6.1	85
29				10.95	10	180	180	3.4	127	11120	6.1	85
30				11.31	7.8	170	170	3.4	127	11120	6.1	85
31				9.87	8.1	165	165	2.2	163	10920	5.6	95
AVERAGE												

TEMP EAST	W. BIOMAT TSS WEST	DO WEST	FLOW WEST	TEMP WEST	E. CLAR PHENOL EC	TSS EC	W. CLAR PHENOL WC	TSS WC	FEED TSS	E. CLAR REC. TSS	W. CLAR REC. TSS
75	9810	9	95	77	0.005	19	0.009	9	120	21200	17360
68	9440	9.6	110	69	0.005	28	0.005	17	168	20300	18720
76	9460	9.6	110	77	0.007	29	0.008	19	173	21300	17720
77	11300	9.2	110	78	0.002	36	0.005	14	157	22560	18050
85	9900	9.1	100	86	0.004	26	0.003	15	163	22800	19000
75	9970	9	95	77	0.004	34	0.006	11	143	21980	18780
75	9970	9	95	77	0.004	40	0.006	11	150	21980	18780
75	9970	9	95	77	0.004	40	0.006	11	150	21980	18780
77	9940	8.8	95	78	0.006	18	0.005	9	138	22040	19060
77	9990	8.7	95	78	0.004	27	0.002	13	120	23240	17160
78	11870	8.7	105	80	0.002	34	0.002	18	170	22880	19880
74	9440	9.6	90	75	0.002	21	0.003	7	137	22200	17160
74	10990	10.6	70	75	0.002	12	0.002	6	167	21340	16360
74	10990	10.6	70	75	0.002	12	0.002	6	160	21340	16360
74	10990	10.6	70	75	0.002	12	0.002	6	160	21340	16360
74	10070	10.2	90	75	0.009	15	0.009	8	123	20040	19420
74	10100	9.2	90	75	0.004	20	0.003	9	70	22140	18620
74	8790	9.2	90	75	0.004	10	0.007	12	100	21460	20540
77	10200	10.4	100	79	0.004	20	0.009	10	105	21180	19680
77	11610	10.6	79	78	0.005	10	0.006	5	78	21500	19580
77	11610	10.6	79	78	0.005	10	0.006	5	80	21500	19580
77	11610	8.5	79	78	0.005	10	0.006	5	80	21500	19580
76	10720	10.8	85	78	0.005	20	0.005	10	100	20340	19360
75	10820	10.5	85	77	0.006	26	0.005	11	113	21580	19740
75	8650	7.8	85	77	0.011	19	0.011	11	125	21280	20400
75	8260	7.7	85	77	0.009	15	0.007	11	130	21400	20600
74	9860	7.6	85	76	0.007	13	0.006	10	98	22560	22220
74	9860	7.6	85	76	0.007	15	0.006	10	100	22560	22220
74	9860	7.6	85	76	0.007	15	0.006	10	100	22560	22220
74	9860	7.6	85	76	0.007	15	0.006	10	100	22560	22220
78	10770	6.7	95	80	0.006	26	0.006	13	115	21500	20560

APR 2009

DAY	OLD STILL PH old	NH3 old	FLOW old	NEW STILL PH new	NH3 new	FLOW new	Total Flow	FEED NH3 Feed	PHENOL Feed	E. BIOMAT TSS East	DO EAST	FLOWEAST
1				11.14	5.6	200	200	1.4	174	10790	5.5	95
2				10.15	10.4	185	185	2.8	144	10950	5	95
3				10.55	7.3	185	185	2.8	248	11870	5.2	80
4				10.5	10	185	185	3	250	11500	5	80
5				10.33	10	180	180	3	250	11500	5	80
6				10.32	9.8	150	150	2.8	248	11900	5.4	80
7				10.14	7.8	155	155	2.8	158	11590	5	90
8				9.58	10.6	160	160	2.8	130	11420	5.2	90
9				9.98	8.4	160	160	2	149	11240	5.5	90
10				9.8	8.7	160	160	2	112	11250	5.3	90
11				9.75	8	201	201	2	120	11250	5.3	90
12				10.37	8	172	172	2	120	11250	5.3	90
13				10.83	8.1	170	170	4.2	190	12050	5.2	90
14				9.91	12.9	170	170	5.6	202	11780	5.5	95
15				10.11	8.7	175	175	4.5	158	11960	5.6	95
16				10.21	10.9	170	170	4.8	183	11960	5.5	95
17				10.52	8.7	160	160	5.6	187	11990	5.4	95
18				11.45	10	130	130	5.6	187	11990	5.4	95
19				7.14	10.44	170	170	5.6	187	11990	5.4	95
20				10.32	8.7	170	170	19	183	6620	5.4	95
21				9.62	12.6	140	140	12.6	183	14660	5.8	90
22				9.94	11.2	180	180	7.6	181	11000	6	90
23				10.18	10.4	130	130	5.6	129	11540	5.7	100
24				9.6	9.8	120	120	3.6	151	12130	5.8	80
25				10	10	150	150	4	150	12000	6	80
26				10.67	10	176	176	4	150	12000	6	80
27				9.97	6.2	150	150	3.4	138	12000	6	80
28				10.62	9.2	190	190	4.8	129	13750	5.7	75
29				10.43	8.7	160	160	2.8	159	12210	5.7	75
30				9.65	7.6	130	130	2	182	13430	5.6	75
AVERAGE							0					

APR 2009

TEMP EAST	W. BIOMAT TSS WEST	DO WEST	FLOW WEST	TEMP WEST	E. CLAR PHENOL EC	TSS EC	W. CLAR PHENOL WC	TSS WC	FEED TSS	E. CLAR REC. TSS	W. CLAR REC. TSS
80	10810	6.4	95	82	0.007	17	0.006	10	128	21420	19820
85	10650	5.5	95	86	0.006	17	0.007	8	97	21640	20940
74	11130	6	80	76	0.006	22	0.005	9	133	20940	19940
75	11100	6	80	76	0.006	20	0.005	9	120	21200	20100
75	11100	6	80	76	0.006	20	0.005	9	120	21200	20100
75	11520	6.1	80	77	0.002	8	0.002	5	68	21680	19920
74	11550	3.9	90	75	0.006	8	0.004	13	68	21800	21060
76	9450	4.2	90	78	0.002	16	0.001	12	94	22140	20760
76	12620	5.8	90	78	0.003	19	0.004	14	94	22360	20300
75	11500	5.8	90	77	0.004	9	0.004	10	113	21860	20740
75	11500	5.8	90	77	0.004	9	0.004	10	100	21860	20740
75	11500	5.8	90	77	0.004	9	0.004	10	100	21860	20740
75	12000	5.6	90	77	0.005	15	0.005	4	110	23060	20460
76	11330	5.9	95	77	0.006	18	0.009	10	118	25760	22780
76	11330	5.9	95	77	0.006	33	0.004	21	158	24120	22560
76	11840	5.9	95	77	0.006	16	0.004	8	130	23040	21760
77	9520	5.8	95	78	0.01	23	0.007	11	143	23320	21760
77	9520	5.8	95	78	0.01	23	0.007	11	143	23320	21760
77	9520	5.8	95	78	0.01	23	0.007	11	143	23320	21760
77	12610	5.8	95	78	0.005	20	0.006	16	147	22760	22800
77	12550	6	90	78	0.005	21	0.006	13	130	22020	22280
75	11740	6.3	90	76	0.004	17	0.005	9	105	22220	22400
77	11200	5.9	100	78	0.003	11	0.004	8	123	23740	23660
77	12950	6.1	80	78	0.006	8	0.005	24	108	23160	21400
77	12950	6	80	78	0.006	8	0.005	12	110	23160	21400
77	12950	6	80	78	0.006	8	0.005	12	110	23160	21400
77	12770	6	80	78	0.009	6	0.008	7	115	23440	21360
82	12130	5.9	75	84	0.004	12	0.004	7	106	24600	24280
82	13630	5.9	75	84	0.004	20	0.005	6	117	23820	24840
82	12290	5.9	75	84	0.004	16	0.007	12	118	23860	20980

MAY 2009

DAY	OLD STILL PH old	NH3 old	FLOW old	NEW STILL PH new	NH3 new	FLOW new	Total Flow	FEED NH3 Feed	PHENOL Feed	E. BIOMAT TSS East	DO EAST	FLOWEAST
1				9.14	4.8	145	145	1.7	155	13110	6	80
2				10.23	7	160	160	2	160	12800	6	80
3				10.74	7	177	177	2	160	12800	6	80
4				11.16	7	140	140	2	62	12390	6	80
5				9.83	12.9	180	180	1.7	57	12300	5.9	80
6				10.29	7.6	145	145	2.2	45	12000	6	80
7				10.8	5.6	120	120	1.1	39	12180	5.7	60
8				9.8	9.8	145	145	1.7	9.5	13050	6.6	60
9				9.6	9	180	180	2	20	13050	6.6	60
10				10.12	10	145	145	2	20	13050	6.6	60
11				10.06	10.1	160	160	1.4	3	12200	6.3	50
12				10.06	10.1	160	160	1.4	3	12200	6.3	50
13				11.33	31.6	160	160	2	5.5	13230	6.4	50
14				9.2	33.6	150	150	2.8	0.05	12410	6	90
15				9.8	10.6	160	160	5	1.7	12420	5.7	90
16				10.9	10	160	160	5	2	12420	5.6	100
17				10.57	10	160	160	5	2	12420	5.6	90
18				10.93	7	168	168	1.7	1.17	10000	6.1	65
19				11.49	8.7	185	185	1.4	11.73	12780	6.2	65
20				11.37	6.7	160	160	2.8	26	12030	6.1	100
21				11.09	6.7	152	152	1.7	48	11780	5.7	90
22				10.8	10.4	120	120	1.1	43	12670	5.7	90
23				10.46	10	142	142	2	45	12670	5.7	90
24				10.64	10	140	140	2	45	12500	5.5	90
25				10.73	6.2	140	140	1.4	41	12750	5.6	90
26				10.63	6.2	140	140	0.2	147	12210	5.5	75
27				10.31	7	150	150	2.8	163	12150	5.5	90
28				10.36	6.7	150	150	1.4	219	11820	5.3	100
29				10.77	6.2	150	150	1.7	172	12670	5.3	75
30				10.89	6	150	150	1.5	170	12650	5.3	75
31				11.05	6	130	130	1.5	170	12650	5.3	75
AVERAGE												

MAY 2009

TEMP EAST	W. BIOMAT TSS WEST	DO WEST	FLOW WEST	TEMP WEST	E. CLAR PHENOL EC	TSS EC	W. CLAR PHENOL WC	TSS WC	FEED TSS	E. CLAR REC. TSS	W. CLAR REC. TSS
82	12220	5.5	80	82	0.004	18	0.005	10	100	23320	24240
82	12220	5.5	80	82	0.004	18	0.005	10	100	23320	24240
82	12220	5.5	80	82	0.004	18	0.005	10	100	23320	24240
76	12220	6.3	80	78	0.006	10	0.008	8	113	23340	21120
78	12300	6.2	80	78	0.003	19	0.002	10	118	22740	22800
78	12410	6.3	80	78	0.002	13	0.002	5	110	24220	22840
78	11840	5.8	60	78	0.002	16	0.003	10	156	24040	23800
78	13690	6	60	78	0.004	14	0.003	14	173	22840	23380
78	13500	6	60	78	0.004	14	0.003	14	170	22840	23380
78	13500	6	60	78	0.004	14	0.003	14	170	22840	23380
76	13670	6	50	77	0.004	11	0.004	3	130	22600	19460
76	13670	6	50	77	0.004	11	0.004	3	130	22600	19460
76	13690	6.3	50	77	0.005	25	0.004	12	143	21620	19320
77	13290	5.9	90	79	0.003	123	0.004	120	180	24220	25400
80	11040	6	90	82	0.009	103	0.004	9	140	22920	21560
80	11040	6	100	82	0.008	90	0.004	10	110	22920	21560
80	11040	6	90	82	0.008	90	0.004	10	110	22920	21560
72	13460	6	65	74	0.007	30	0.009	15	170	22460	23260
72	13620	6.1	65	74	0.008	22	0.004	11	175	23620	21360
73	11690	5.8	100	75	0.003	30	0.006	9	173	22900	24700
75	9330	5.9	90	77	0.000	33	0.000	20	205	23560	23960
75	13490	5.9	90	77	0.004	20	0.000	7	170	21220	24300
75	13200	5.9	90	77	0.004	20	0.001	7	170	21220	24300
75	13100	5.9	90	77	0.002	20	0.001	10	170	21220	24300
75	13410	5.9	90	77	0.002	20	0.000	11	200	21420	24340
75	13300	5.7	75	78	0.002	14	0.001	11	150	22440	20800
76	13440	5.2	90	79	0.004	25	0.005	11	190	23620	23220
78	13020	4.8	100	82	0.005	17	0.008	11	230	23160	24520
80	13740	4.9	75	84	0.007	13	0.000	10	185	22500	24220
80	13700	4.9	75	84	0.005	10	0.005	10	150	22500	24220
80	13700	4.9	75	84	0.005	10	0.005	10	150	22500	24220

JUNE 2009

DAY	OLD STILL PH old	NH3 old	FLOW old	NEW STILL PH new	NH3 new	FLOW new	Total Flow	FEED NH3 Feed	PHENOL Feed	E. BIOMAT TSS East	DO EAST	FLOWEAST
1				10.62	4.8	150	150	0.8	181	13000	5.6	70
2				10.53	5.6	150	150	0.0	174	12700	5.6	70
3				9.7	9.5	170	170	1.7	200	12160	4.4	90
4				10.51	6.7	159	159	1.4	223	12570	4.8	75
5				10	9.2	160	160	1.4	212	12650	4.6	75
6				10	9	150	150	1.4	210	12600	4.6	75
7				10.68	9	150	150	1.4	210	12600	4.6	75
8				9.81	8.7	150	150	1.7	312	12760	4.5	75
9				10.31	8.1	150	150	2	210	13170	5.3	70
10				10.84	9.8	150	150	1.7	179	12500	5.1	70
11				9.92	8.4	150	150	1.4	164	12630	5	70
12				10.9	7	150	150	1.1	233	12420	4.9	70
13				11.06	7	150	150	1	230	12420	4.9	70
14				10.96	7	170	170	1.5	230	12420	4.9	70
15				10.95	6.7	172	172	1.4	231	12030	4.8	70
16				10.7	4.2	186	186	1.1	205	12080	4.8	85
17				10.73	7.3	183	183	2.8	232	12060	4.4	95
18				11.01	5.9	186	186	2.5	266	12040	4.3	95
19				11.11	5.6	147	147	1.7	277	12530	4.5	65
20				10.3	5	145	145	2	260	12500	4.5	70
21				10.3	5	150	150	2	260	12500	4.5	70
22				10.51	6.2	150	150	2.5	195	12110	4.6	85
23				10.16	4.8	150	150	1.4	207	12110	4.6	85
24				10.26	7.6	150	150	1.4	162	11910	4.5	85
25				9.99	6.4	145	145	1.4	221	12050	4.6	80
26				10.6	5.9	155	155	0.8	227	12400	4.6	80
27				10.45	5.9	155	155	0.8	220	12500	4.6	80
28				10.26	5.9	155	155	0.8	220	12500	4.6	80
29				9.93	9	165	165	2.8	251	12500	4.8	65
30				9.7	9	175	175	1.7	323	11810	4.6	80
AVERAGE							0					

JUNE 2009

TEMP EAST	W. BIOMAT TSS WEST	DO WEST	FLOW WEST	TEMP WEST	E. CLAR PHENOL EC	TSS EC	W. CLAR PHENOL WC	TSS WC	FEED TSS	E. CLAR REC. TSS	W. CLAR REC. TSS
78	13470	5	70	82	0.005	19	0.003	6	145	24460	26220
79	13600	4.8	70	84	0.005	17	0.004	15	215	24480	25700
80	13530	5.3	90	84	0.002	15	0.004	13	140	24080	25400
84	13790	5.2	75	86	0.006	20	0.005	20	160	23960	25820
82	13010	5.1	75	84	0.005	19	0.006	20	165	24480	25220
82	13000	5	75	84	0.005	15	0.006	20	160	24480	25220
82	13000	5	75	84	0.005	15	0.006	20	160	24480	25220
82	13760	5.1	75	84	0.006	12	0.006	9	160	22040	21220
81	14160	3.9	70	81	0.004	15	0.002	11	205	23660	26280
80	13770	3.8	70	84	0.004	9	0.005	6	110	23620	24640
80	13630	3.7	70	84	0.000	21	0.001	16	200	25600	25800
82	13600	3.7	70	84	0.007	23	0.012	22	230	24100	25960
82	13600	3.7	70	84	0.007	23	0.012	22	230	24100	25960
82	13600	3.7	70	84	0.007	23	0.012	22	230	24100	25960
82	13600	3.7	70	84	0.012	21	0.006	20	220	25880	27080
82	13340	3.8	85	86	0.007	15	0.007	21	215	21720	26460
84	13610	3.4	95	87	0.008	12	0.006	18	165	24740	27220
86	13500	3.2	95	89	0.009	5	0.009	16	140	24360	27460
86	13970	3.5	65	89	0.011	21	0.009	25	200	25480	22680
86	13900	3.5	70	89	0.01	20	0.009	20	200	25480	22680
86	13900	3.5	70	89	0.01	20	0.009	20	200	25480	22680
86	13290	3.9	85	89	0.004	10	0.004	18	205	24460	23080
86	13560	3.8	85	89	0.009	21	0.009	26	235	24300	26180
86	13250	3.9	85	89	0.004	21	0.004	20	195	24060	24820
86	13480	3.9	80	89	0.008	15	0.007	14	150	23860	25540
86	13860	4	80	89	0.007	28	0.008	31	220	22460	23880
86	13860	4	80	89	0.007	28	0.008	31	220	22460	23880
86	13860	4	80	89	0.007	28	0.008	31	220	22460	23880
84	12770	4	65	86	0.004	32	0.007	17	205	21300	23220
84	13250	3.7	80	76	0.006	33	0.006	19	170	23120	23280

JULY 2009

DAY	OLD STILL PH old	NH3 old	FLOW old	NEW STILL PH new	NH3 new	FLOW new	Total Flow	FEED NH3 Feed	PHENOL Feed	E. BIOMAT TSS East	DO EAST	FLOWEAST
1				10.73	5.6	130	130	1.7	444	10580	4.8	60
2				9.8	6.7	115	115	1.4	380	11890	4.8	60
3				11.01	5.6	120	120	1.1	408	11450	5	70
4				9.96	6	130	130	2	400	11400	5	70
5				10.35	6	130	130	2	400	11400	5.2	60
6				10.66	6.4	130	130	1.7	258	12150	5.1	70
7				10.16	7	123	123	1.4	240	11810	5.2	70
8				10.17	7	130	130	0.8	202	11720	5.2	70
9				10.61	6.7	135	135	2	192	11720	5.2	70
10				9.99	8.4	141	141	1.4	212	11540	5.3	65
11				9.6	7.3	140	140	1.4	290	11540	5.3	65
12				9.6	8.4	140	140	1.4	328	11540	5.3	65
13				10.6	7	145	145	1.4	379	11540	5.3	60
14				9.9	5.9	170	170	1.4	323	12050	5.2	70
15				10.08	7.8	170	170	1.4	340	11900	5.1	80
16				10.1	7	130	130	1.71	412	11360	4.7	100
17				10.02	8.4	160	160	3.7	364	11840	4.5	110
18				9.51	8.4	176	176	2.8	375	11840	4.5	110
19				9.75	7.6	120	120	1.7	375	11840	4.5	110
20				9.64	8.4	143	143	1.4	314	12700	5.3	55
21				8.84	10.1	140	140	1.7	347	12400	5.3	75
22				9.79	8.4	115	115	2.8	318	12460	4.9	90
23				10.13	7.8	170	170	1.7	357	12600	5	75
24				10.13	9	170	170	3.1	393	12820	5.1	60
25				10.17	7.6	155	155	2.8	409	12820	5	70
26				9.75	7.3	140	140	3.1	354	12820	4.8	72
27				10.28	7.6	140	140	2.8	407	12730	4.9	70
28				10.17	7.3	141	141	2.2	377	12640	4.9	70
29				9.98	9.8	153	153	3.9	358	12500	4.8	90
30				10	11.2	150	150	2.8	505	12870	4.8	90
31				9.96	12.6	150	150	4.5	562	14770	4.8	80
AVERAGE												

JULY 2009

TEMP EAST	W. BIOMAT TSS WEST	DO WEST	FLOW WEST	TEMP WEST	E. CLAR PHENOL EC	TSS EC	W. CLAR PHENOL WC	TSS WC	FEED TSS	E. CLAR REC. TSS	W. CLAR REC. TSS
84	13380	3.6	60	88	0.007	36	0.007	18	190	21500	23200
84	13790	3.6	60	88	0.011	19	0.009	14	165	21060	23300
84	13690	3.8	70	87	0.002	5	0.005	23	180	21060	23300
84	13690	3.8	70	87	0.002	10	0.005	20	180	21060	23300
81	13690	4	60	85	0.002	10	0.005	20	180	21060	23300
80	13680	4	70	84	0.003	8	0.004	15	150	22480	22040
80	13420	4	70	84	0.006	9	0.007	17	175	21640	24020
80	12140	4	70	84	0.006	7	0.008	18	120	21600	23160
80	13300	3.8	70	84	0.006	8.5	0.006	13	145	21880	23160
80	13300	3.9	65	84	0.006	6	0.007	9	130	22420	22120
80	13300	3.9	65	84	0.008	6	0.011	9	130	22420	22120
80	13300	3.9	65	84	0.004	6	0.008	9	130	22420	22120
80	13100	3.7	60	84	0.008	4	0.005	2	135	21200	21940
80	13040	3.6	70	84	0.007	4	0.009	12	140	23920	22620
82	13380	3.5	80	86	0.004	2	0.007	10	155	23380	23500
84	13110	3.2	100	87	0.006	7	0.011	9	115	25160	26100
86	14080	3.3	110	88	0.007	23	0.009	22	220	25380	27860
86	14080	3.3	110	88	0.007	20	0.009	20	220	25380	27860
86	14080	3.3	110	88	0.007	20	0.009	20	220	25380	27860
81	13590	4.2	55	84	0.007	4	0.011	7	155	21640	21200
81	13500	4.2	75	84	0.006	6.5	0.009	9.5	155	22400	22340
81	13490	3.7	90	84	0.003	9	0.003	18	137	23080	24740
81	13560	3.9	75	84	0.008	16	0.009	15	140	22040	23280
81	13820	4.1	60	84	0.005	8	0.006	7	117	21560	21800
81	13820	4	70	84	0.004	8	0.006	7	110	21560	21800
82	13820	3.9	67	85	0.005	8	0.008	7	110	21560	21800
82	13980	3.9	70	86	0.01	70	0.01	10	110	25220	25160
82	13850	3.8	70	86	0.007	19	0.009	28	125	24020	25160
82	13630	3.5	90	86	0.006	20	0.009	20	165	25000	25400
82	13110	3.5	90	86	0.012	18	0.012	18	155	24460	24380
82	13860	3.2	80	84	0.006	10	0.006	17	190	28260	27800

DAY	OLD STILL PH old	NH3 old	FLOW old	NEW STILL PH new	NH3 new	FLOW new	Total Flow	FEED NH3 Feed	PHENOL Feed	E. BIOMAT TSS East	DO EAST	FLOWEAST
1				10.99	8.1	200	200	4.2	427	13100	4.2	90
2				10.64	4.8	219	219	4.8	443	12460	4.3	110
3				10.64	9	190	190	5.9	344	12460	4.3	110
4				10.77	6.2	199	199	4.2	289	12810	4.3	110
5				11.03	7.6	170	170	4.5	229	13120	4.3	110
6				9.31	12.6	150	150	3.6	213	13060	4.3	110
7				10.15	11.8	160	160	4.2	134	13640	4.3	110
8				10.7	7	133	133	5	160	13640	5.2	70
9				10.5	10.1	140	140	5.6	180	13640	5.2	70
10				10.86	14	140	140	6.2	127	12880	5.2	70
11				10.99	6.7	123	123	6.4	143	12240	5.2	70
12				10.6	8.4	140	140	7.6	126	13640	5.5	60
13				10.95	8.7	144	144	5.9	139	13250	5.4	60
14				10.83	9	150	150	7.6	157	12860	5.4	75
15				10.9	8.4	160	160	4.2	112	12800	5.4	75
16				10.55	5.6	140	140	5	143	12800	5.4	60
17				10.61	7.8	127	127	5.6	155	13070	5.5	55
18				10.62	6.4	136	136	6.2	145	12790	5.5	75
19				11.12	8.4	144	144	6.2	152	12730	5.6	55
20				10.8	7.6	144	144	6.7	159	12430	5.3	75
21				10.26	11.5	161	161	8.1	204	13150	5.2	75
22				10.6	13.2	175	175	8.7	219	12630	5.2	60
23				9.9	13.2	110	110	106	510	12440	5.1	80
24				10.83	10.4	120	120	96.6	165	10680	5.3	60
25				10.91	10.1	130	130	61.6	180	12240	5.2	60
26				10.42	10.4	150	150	37.8	192	12220	4.9	90
27				11.1	7	117	117	26	205	12370	5	90
28				10.66	9.5	140	140	17.4	181	12200	5.1	70
29				10.52	9	170	170	12.6	221	11470	5.2	70
30				11.22	8.4	150	150	11.8	191	12000	5.2	70
31				9.5	7.8	150	150	8.4	106	9920	5.3	80
AVERAGE												

TEMP EAST	W. BIOMAT TSS WEST	DO WEST	FLOW WEST	TEMP WEST	E. CLAR PHENOL EC	TSS EC	W. CLAR PHENOL WC	TSS WC	FEED TSS	E. CLAR REC. TSS	W. CLAR REC. TSS
82	13000	3.6	90	84	0.008	10	0.008	10	190	24580	24400
90	13050	3.3	110	91	0.011	10	0.007	10	130	24580	24400
90	13050	3.3	110	91	0.009	19	0.009	16	130	24580	24400
90	14010	3.3	110	91	0.006	24	0.008	15	120	25480	26980
90	13320	3.3	110	91	0.004	11	0.005	12	120	25540	27080
90	13910	3.3	110	91	0.006	10	0.007	16	93	25980	25220
90	13950	3.3	110	91	0.006	9	0.003	14	127	25980	25220
82	13950	4.2	70	86	0.004	9	0.007	10	130	25980	25220
82	13950	4.2	70	86	0.007	9	0.009	10	130	25980	25220
82	14100	4.1	70	86	0.004	13	0.007	13	117	26540	26340
82	13950	4	70	88	0.005	15	0.005	16	130	27940	26180
82	13590	4.3	60	86	0.000	9	0.003	13	97	26760	24720
82	13500	4.2	60	86	0.003	8	0.004	13	113	27220	26920
82	13830	4.1	75	86	0.002	13	0.003	18	98	27000	26080
82	13800	4.1	75	86	0.002	13	0.003	18	98	27000	26080
82	13800	4	63	86	0.002	13	0.003	18	98	27000	26080
81	13800	4.2	55	84	0.007	45	0.008	29	110	24820	21740
81	13330	4.1	75	84	0.009	50	0.007	30	108	26780	25200
79	13500	4.3	55	82	0.003	45	0.002	21	90	25460	25460
81	12870	4.1	75	84	0.006	44	0.005	22	97	26220	24560
81	14100	4	75	84	0.008	46	0.008	30	106	26060	25440
81	13440	4	60	84	0.007	35	0.007	16	73	26060	25440
81	13040	3.9	80	84	0.007	40	0.011	19	80	26060	25440
77	13100	3.9	60	80	0.003	27	0.001	7	78	21660	21440
77	13190	3.9	60	80	0.004	62	0.003	16	143	22960	20720
78	13500	3.6	90	82	0.003	28	0.003	11	100	23420	23120
80	12980	3.4	90	84	0.007	40	0.006	22	113	21680	23460
80	12690	3.6	70	84	0.007	30	0.008	28	170	19060	21500
80	13620	3.8	70	84	0.007	36	0.006	30	165	20000	21500
80	13500	3.8	70	84	0.006	35	0.005	30	165	20000	21500
80	13020	4.1	80	84	0.008	54	0.005	41	215	29920	22980

SEPT 2009

DAY	OLD STILL PH old	NH3 old	FLOW old	NEW STILL PH new	NH3 new	FLOW new	Total Flow	FEED NH3 Feed	PHENOL Feed	E. BIOMAT TSS East	DO EAST	FLOWEAST
1				11.08	7.6	140	140	8.1	152	11870	5.1	100
2				10.3	13.7	140	140	6.4	102	12320	5.1	100
3				10.17	14	150	150	7	98	12110	5.2	65
4				10.71	12	150	150	8.4	118	12210	5.1	65
5				9.8	9.8	130	130	8.4	118	13600	5.1	65
6				10.45	11.2	170	170	7.8	98	12670	5.1	65
7				11.06	8.7	150	150	6.4	104	12140	5.1	65
8				11	10.1	165	165	8.4	120	11840	5.4	100
9				10.01	12.6	171	171	6.2	172	11940	5.1	75
10				10.78	12.3	160	160	7.8	175	11930	5.1	75
11				10.74	12.6	151	151	5.9	156	11440	5.2	75
12				10.5	15	150	150	2.8	155	12950	5.2	75
13				10.83	10.9	150	150	3.4	153	12180	5.2	75
14				11.05	8.4	140	140	4.2	151	11960	5.1	85
15				9.7	8.4	150	150	5	178	11800	5.2	60
16				9.1	14.3	150	150	9.5	204	12000	5.1	60
17				9.55	14.3	130	130	8.4	140	12130	5.2	80
18				11.49	7	140	140	6.4	78	11980	5.2	80
19				11.69	5.9	160	160	4.2	105	12000	5.2	80
20				9.55	8.4	175	175	4.2	116	10790	5.2	80
21				10.9	9.5	160	160	7.3	71	11580	5	100
22				11.76	8.1	172	172	6.4	65	11430	4.9	110
23				10.61	7	170	170	5.6	60	11410	4.8	110
24				10.43	9.8	170	170	2.8	163	11580	4.8	60
25				10.24	11.5	170	170	4.2	139	11540	4.1	80
26				10.16	9.8	180	180	7	156	11690	4.2	80
27				10.8	7.8	180	180	5	124	11690	4.2	80
28				10.99	10.6	159	159	4.5	232	11310	4.8	85
29				10.31	8.7	173	173	3.9	162	11290	4.9	75
30				10.06	8.7	173	173	4.2	182	10550	5.2	75
AVERAGE												

SEPT 2009

TEMP EAST	W. BIOMAT TSS WEST	DO WEST	FLOW WEST	TEMP WEST	E. CLAR PHENOL EC	TSS EC	W. CLAR PHENOL WC	TSS WC	FEED TSS	E. CLAR REC. TSS	W. CLAR REC. TSS
80	12990	3.8	100	84	0.008	31	0.009	39	110	23520	24620
80	12890	3.9	100	84	0.008	46	0.009	55	195	24200	23860
80	9740	4.1	65	84	0.002	30	0.003	43	155	21840	21040
80	9680	4.1	65	84	0.002	45	0.001	58	185	22380	21380
80	11110	4.1	65	84	0.001	40	0.001	41	170	22380	21680
80	13620	4.1	65	84	0.003	37	0.001	45	200	22380	21380
80	13320	4.1	65	84	0.002	12	0.005	25	93	22380	13320
81	12960	3.9	100	84	0.006	12	0.005	31	110	24140	24320
82	13120	3.8	75	86	0.005	12	0.007	21	130	22540	21540
82	13190	3.8	75	86	0.005	17	0.006	21	117	22960	22300
82	12920	4.6	75	84	0.003	16	0.004	17	100	23500	22220
82	13160	4.6	75	84	0.001	20	0.001	20	125	23500	22220
82	13050	4.6	75	84	0.008	19	0.007	18	120	23500	22220
80	13020	3.9	85	84	0.005	19	0.005	21	125	21740	22620
80	12960	4.4	60	84	0.005	20	0.005	20	113	20840	22840
80	14010	4.4	60	84	0.004	20	0.004	13	115	20860	21220
81	12360	4.8	80	82	0.005	37	0.007	29	130	22780	26640
80	12500	4.8	80	84	0.003	24	0.003	14	167	24940	23260
80	12500	4.8	80	84	0.004	26	0.004	30	200	24940	23260
80	11620	4.8	80	84	0.003	26	0.005	24	220	24940	23260
80	12470	4.7	100	84	0.005	23	0.005	10	155	24440	23320
84	13010	4.5	110	86	0.004	22	0.005	6	103	23850	26640
84	12960	4.4	110	87	0.004	26	0.006	6	96	24100	26140
86	13470	4	50	86	0.007	15	0.008	8	210	23500	22740
89	13700	3.8	80	86	0.003	18	0.003	16	127	19340	24900
88	13240	3.9	80	86	0.003	16	0.003	16	130	23500	24900
88	13240	3.9	80	86	0.003	16	0.003	16	130	23500	24900
86	13360	3.7	85	86	0.01	24	0.005	16	153	21260	20380
84	13210	3.8	75	84	0.005	17	0.004	17	140	21700	23300
78	13360	4	75	80	0.005	32	0.005	30	183	22380	22180

DAY	OLD STILL PH old	NH3 old	FLOW old	NEW STILL PH new	NH3 new	FLOW new	Total Flow	FEED NH3 Feed	PHENOL Feed	E. BIOMAT TSS East	DO EAST	FLOWEAST
1				9.95	8.4	183	183	3.6	183	11190	5.1	80
2				10.34	10.9	171	171	4.5	178	11190	5.1	80
3				9.7	7.6	160	160	2.8	153	11540	5.1	80
4				9.07	12.9	160	160	3.9	142	11490	5.3	60
5				8.96	13.4	180	180	4.2	266	11440	5	100
6				9.83	12	188	188	4.2	268	11550	4.9	100
7				10.09	13.2	188	188	5.9	262	11690	4.7	100
8				10.55	11.2	161	161	7.6	277	12010	4.6	85
9				9.97	12.3	161	161	7	269	12230	4.6	85
10				10.3	10.1	150	150	4.8	269	12470	4.8	65
11				11.15	7.3	160	160	2.2	217	11470	5.1	65
12				9.88	13.4	160	160	2	189	11910	5.2	65
13				9.46	18.8	150	150	3.4	185	11920	5.2	65
14				10.43	5.9	170	170	4.8	144	11990	4.8	100
15				11.11	6.2	170	170	2.2	167	12200	4.8	100
16				10.5	10.6	170	170	1.4	192	11880	4.8	100
17				10.02	7.6	170	170	2.2	187	12000	5.4	70
18				10.64	5.9	160	160	2.2	157	12000	5.6	70
19				10.71	7	152	152	2.2	206	12350	5.7	70
20				11.28	7.6	162	162	2	150	12720	5.7	75
21				10.2	11.2	182	182	2.2	175	12760	5.6	65
22				10.69	8.4	172	172	3.9	204	12520	5.4	60
23				10.74	10.1	182	182	4.2	197	12480	5.1	85
24				10.48	10.6	180	180	3.6	200	12830	5	85
25				10.8	8.1	180	180	2.2	203	12440	5	85
26				9.91	14.6	150	150	3.9	243	14690	5.1	85
27				10.95	6.7	160	160	2	220	12420	5.1	75
28				10.6	10.1	160	160	3.6	196	12440	4.8	75
29				11.1	8.7	175	175	3.9	224	12490	4.5	75
30				10.55	9.2	155	155	5.6	232	12250	4.7	85
31				10.7	7.6	175	175	5	218	12670	4.5	85
AVERAGE												

TEMP EAST	W. BIOMAT TSS WEST	DO WEST	FLOW WEST	TEMP WEST	E. CLAR PHENOL EC	TSS EC	W. CLAR PHENOL WC	TSS WC	FEED TSS	E. CLAR REC. TSS	W. CLAR REC. TSS
80	13080	4	80	78	0.006	20	0.007	22	125	20480	22440
80	11350	4	80	78	0.006	20	0.007	30	120	20480	22900
80	13640	4	80	78	0.006	21	0.008	23	210	20480	22900
80	13320	4.4	60	82	0.006	20	0.005	20	220	20480	22900
77	13090	4.1	100	78	0.009	36	0.006	16	137	21280	24700
77	13720	3.8	100	78	0.006	32	0.004	23	173	23300	24920
80	12880	3.6	100	82	0.004	30	0.006	11	152	21960	24900
82	13660	3.6	85	84	0.007	30	0.005	21	145	22800	23880
82	13830	3.6	85	84	0.006	30	0.004	19	170	21520	23260
82	13660	3.8	65	84	0.004	31	0.007	26	220	21520	23260
78	12390	4	65	82	0.006	28	0.005	24	180	21520	23260
78	13780	4	65	80	0.006	44	0.007	24	150	23680	23080
78	13350	4	65	80	0.007	32	0.005	18	170	22380	27120
80	13720	3.6	100	82	0.008	42	0.004	13	117	25160	26240
80	13780	3.6	100	82	0.007	25	0.005	18	137	23040	23420
80	13880	3.6	100	82	0.005	20	0.005	20	170	20560	22880
75	13500	4.4	70	77	0.007	20	0.006	20	150	20560	22880
72	13500	4.7	70	73	0.005	20	0.004	20	150	20560	22880
71	13770	4.9	70	73	0.004	37	0.004	20	175	22900	22860
69	13580	5.2	75	71	0.004	28	0.005	10	150	23200	23000
71	14150	5.1	65	73	0.006	46	0.005	30	265	23560	22780
73	13810	4.9	60	75	0.008	32	0.004	21	185	23080	22360
75	13930	4.3	85	77	0.004	27	0.004	19	160	22580	22480
75	13900	4.2	85	77	0.009	23	0.007	12	150	22580	22480
75	13990	4.2	85	77	0.007	22	0.005	10	160	22580	22480
75	13920	4.2	85	77	0.007	34	0.003	26	150	23640	24940
77	14030	4.2	75	78	0.005	35	0.003	14	165	24740	23800
71	13870	5.1	75	74	0.005	36	0.004	17	133	23100	23640
72	14190	5	75	74	0.003	35	0.002	17	155	22700	22980
78	11260	3.9	85	80	0.004	41	0.003	21	137	20800	24680
78	13280	4.1	85	80	0.005	40	0.005	21	150	23000	23500

NOV 2009

DAY	OLD STILL PH old	NH3 old	FLOW old	NEW STILL PH new	NH3 new	FLOW new	Total Flow	FEED NH3 Feed	PHENOL Feed	E. BIOMAT TSS East	DO EAST	FLOWEAST
1				10.7	12.3	150	150	5.6	266	12440	5	75
2				11.34	9.2	150	150	5	234	12080	5	85
3				10.3	10.1	115	115	4.2	181	12200	5.1	75
4				10.93	11.5	165	165	2.8	166	12270	5.2	75
5				10.67	12	180	180	3.6	171	12190	5.1	75
6				10.13	16.2	174	174	5.6	172	12280	5.2	75
7				10.47	8.7	175	175	2.8	164	12470	5.3	75
8				10.87	10.6	170	170	2.5	157	12940	5.3	75
9				10.95	8.7	175	175	4.2	143	12160	5.3	75
10				10.64	10.6	170	170	4.2	193	12150	5.3	100
11				11.17	7.3	209	209	2.2	161	11610	5	120
12				9.94	13.4	199	199	3.4	237	11670	4.8	120
13				10.21	10.1	180	180	3.6	224	12180	4.9	80
14				11.04	10.4	180	180	3.4	227	12440	4.9	80
15				10.86	10.1	180	180	5.9	225	12450	4.9	80
16				11.4	8.4	165	165	7	183	12240	4.9	90
17				11.1	9	165	165	4.5	206	12490	5	65
18				11.34	8.7	165	165	4.5	190	12810	5.3	75
19				11.1	7.6	145	145	2	138	12040	5.2	80
20				11.13	10.1	155	155	2.8	159	12600	5.3	70
21				11.36	11.8	138	138	5.6	143	12500	5.3	70
22				10.91	10.9	167	167	2.8	136	12690	5.3	70
23				10.97	8.4	161	161	3.1	172	11750	4.3	85
24				9.44	14.6	120	120	0	92	12150	5.4	60
25				11.07	8.4	100	100	2.8	74	13270	5.5	60
26				9.87	9.2	165	165	2.8	96	13240	5.5	60
27				10.65	7.6	150	150	2.2	57	12250	5.5	60
28				10.65	7.6	150	150	2.8	83	12870	5.5	60
29				9.2	17.6	110	110	1.4	76	13040	5.5	60
30				10.35	8.4	105	105	4.5	98	11580	5.2	70
							0					

AVERAGE

TEMP EAST	W. BIOMAT TSS WEST	DO WEST	FLOW WEST	TEMP WEST	E. CLAR PHENOL EC	TSS EC	W. CLAR PHENOL WC	TSS WC	FEED TSS	E. CLAR REC. TSS	W. CLAR REC. TSS
78	12870	4	75	72	0.008	32	0.007	20	160	28040	27260
77	14540	3.9	85	80	0.007	23	0.009	12	140	28040	27260
77	15940	3.9	75	80	0.009	27	0.005	11	140	25680	30740
77	14620	4.1	75	80	0.004	19	0.005	9	127	22280	26360
77	13000	4	75	80	0.005	14	0.007	5	125	24400	24320
77	14610	4.1	75	78	0.003	19	0.003	10	130	23120	25440
76	14440	4.1	75	79	0.007	19	0.005	10	125	23120	25440
76	13970	4.1	75	79	0.005	21	0.004	10	135	23120	25440
76	14480	4.1	75	79	0.004	23	0.004	20	133	25760	24920
78	14320	4.1	100	80	0.003	16	0.003	14	117	25500	27020
77	13810	3.8	120	78	0.004	20	0.003	20	133	27800	28460
78	13850	3.7	120	80	0.006	24	0.011	27	157	27750	28880
78	14990	3.7	80	80	0.008	16	0.009	14	135	25280	26790
80	15060	3.8	80	82	0.007	18	0.007	18	140	25280	26790
80	13570	3.8	80	82	0.005	18	0.004	18	140	25280	26790
78	13570	3.6	90	80	0.002	28	0.002	15	133	26070	27140
78	14580	3.6	65	80	0.006	21	0.006	19	150	24760	23400
73	15650	3.9	75	77	0.007	13	0.008	16	90	29800	23590
73	13210	3.9	80	77	0.007	20	0.003	30	115	24940	27940
73	14590	4	70	77	0.008	21	0.005	29	133	23730	25070
73	14860	3.9	70	77	0.006	13	0.006	16	83	23730	25070
73	14990	3.9	70	77	0.006	25	0.005	35	135	23730	25070
75	13640	5.1	85	77	0.005	14	0.005	18	396	23730	24980
73	14020	4	60	75	0.004	7	0.004	18	105	25520	22930
71	14320	4.2	60	75	0.004	10	0.004	16	97	26020	24100
71	14320	4.2	60	75	0.004	17	0.006	10	100	26020	24100
71	15060	4.2	60	75	0.005	14	0.004	14	115	22780	20270
71	14420	4.2	60	75	0.005	16	0.005	19	130	22780	20270
71	14900	4.2	60	75	0.006	15	0.006	16	125	22780	20270
71	14760	3.9	70	73	0.003	14	0.005	17	105	24800	23910

DAY	OLD STILL PH old	NH3 old	FLOW old	NEW STILL PH new	NH3 new	FLOW new	Total Flow	FEED NH3 Feed	PHENOL Feed	E. BIOMAT TSS East	DO EAST	FLOWEAST
1				10.32	11.8	175	175	3.6	102	11800	5.5	60
2				10.33	16	200	200	4.5	120	11120	5	90
3				11.41	7.3	175	175	3.1	131	11330	5.1	80
4				10.23	9	150	150	2.2	93	11460	5	80
5				10.92	6.4	180	180	2.8	98	12400	5	80
6				11	10	180	180	3	108	12480	5	80
7				10.16	10.9	180	180	2.2	19	11470	5.5	70
8				10.57	12	180	180	2.8	48	11530	5.4	60
9				11.37	4.2	160	160	1.4	52	11140	5.4	60
10				10.38	5.9	160	160	2	42	10600	5.4	60
11				10.56	7	140	140	2	50	10600	5.4	60
12				10.29	2.8	140	140	2.8	39	10940	5.6	80
13				10.65	6.2	140	140	0.8	55	10240	5.6	80
14				10.98	6.7	150	150	1.4	33	10520	5.1	80
15				10.9	5.6	130	130	2.2	31	11010	5.1	65
16				9.4	9.2	116	116	2.8	1	10470	5.1	65
17				11.01	7.6	150	150	1.4	1.8	11090	5.6	65
18				11.18	5.6	145	145	1.4	3	10780	5.8	65
19				10.83	13.4	160	160	1.4	3	10590	5.8	65
20				10.8	13	160	160	1.4	0	10480	5.8	65
21				10.23	8.4	150	150	0.8	6	10610	5.5	80
22				10.44	5.6	151	151	2	17	11250	5.5	80
23				10.45	7.6	140	140	2.8	22	11800	5.5	80
24				9.43	12.3	160	160	2.2	26	11070	5.5	80
25				10.21	5.6	180	180	1.4	39	11420	5.5	80
26				10.67	8.1	160	160	2.5	26	10260	5.5	80
27				10.91	7.6	110	110	4.2	16	10800	5.5	45
28				10.45	7.3	131	131	2.1	3.8	11330	5.8	45
29				9.84	9.8	150	150	2	4	10630	5.8	45
30				9.62	11.2	121	121	3.9	28	10190	5.3	80
31				11.08	7	140	140	3.1	14	9810	5	110
AVERAGE												

TEMP EAST	W. BIOMAT TSS WEST	DO WEST	FLOW WEST	TEMP WEST	E. CLAR PHENOL EC	TSS EC	W. CLAR PHENOL WC	TSS WC	FEED TSS	E. CLAR REC. TSS	W. CLAR REC. TSS
69	14250	4.2	60	71	0.002	13	0.004	16	103	23730	23660
71	13460	3.8	90	73	0.004	26	0.004	31	175	25880	26200
75	13580	3.8	80	77	0.006	19	0.007	25	160	25370	25480
75	13310	3.8	80	77	0.005	19	0.008	29	120	25260	25530
75	13790	3.8	80	77	0.006	20	0.009	31	130	25260	25530
75	13210	3.8	80	77	0.007	19	0.006	26	130	25260	25530
71	13810	4.4	70	73	0.003	17	0.005	28	135	23900	22620
71	13830	4.6	60	73	0.002	21	0.003	35	140	23350	23860
71	13350	4.6	60	73	0.003	21	0.005	36	133	24500	23590
71	12920	4.5	60	73	0.006	37	0.008	70	195	24730	23080
71	12420	4.5	60	73	0.007	30	0.006	56	135	21460	24480
70	11140	4.5	80	73	0.004	32	0.003	48	120	23000	23500
70	12300	4.5	80	73	0.004	32	0.004	82	135	23000	23500
75	13280	4.3	80	76	0.001	18	0.003	44	127	24310	24680
75	13780	4.2	65	77	0.004	11	0.003	22	145	24580	24660
75	13040	4.2	65	77	0.002	25	0.004	41	165	24580	24660
71	13700	4.8	65	73	0.004	24	0.003	35	135	23530	22750
69	13220	4.7	65	71	0.000	23	0.000	34	150	22550	21990
71	13020	4.7	65	73	0.000	20	0.000	36	120	22550	21990
71	13760	4.7	65	73	0.000	20	0.000	40	125	22550	21990
71	13140	4.8	80	73	0.006	29	0.007	70	135	24200	22850
71	13660	4.8	80	73	0.008	22	0.007	56	135	22580	22060
71	13670	4.8	80	73	0.004	21	0.007	53	145	22640	21910
71	13850	4.8	80	73	0.005	30	0.005	68	195	26120	24620
71	13670	4.8	80	73	0.007	31	0.008	62	200	26120	24620
71	12690	4.8	80	73	0.005	22	0.005	58	115	26120	24620
71	13120	4.7	45	78	0.007	19	0.007	47	135	26120	24620
68	13450	6.3	45	73	0.005	11	0.008	33	105	21000	20000
68	12620	6.3	45	73	0.005	17	0.005	38	125	22260	21220
73	12640	7.4	80	77	0.005	24	0.007	22	130	23368	21840
77	12270	6.6	110	80	0.003	17	0.002	9	140	24600	23300

JAN 2010

DAY	OLD STILL PH old	NH3 old	FLOW old	NEW STILL PH new	NH3 new	FLOW new	Total Flow	FEED NH3 Feed	PHENOL Feed	E. BIOMAT TSS East	DO EAST	FLOWEAST
1				11.18	4.5	110	110	1.4	7	11400	8	110
2				11.01	7.3	125	125	2.5	5	11170	6.1	65
3				10.7	9.8	150	150	2.8	8.25	10240	6	80
4				9.87	7	110	110	2.5	2	11420	5.9	80
5				11.42	7.8	102	102	4.2	9	10210	9.1	80
6				10.65	6.7	160	160	2.8	20	10510	10	80
7				10.52	908	153	153	2.2	17	11060	9.7	80
8				10.23	6.4	145	145	1.4	12	10160	9.9	80
9				10.36	7	150	150	2	6	10100	9.5	80
10				11.03	4.5	150	150	2.8	7.5	10100	10.2	80
11				10.93	5.9	149	149	1.7	1	10080	10.1	80
12				10.1	7.8	163	163	0.3	11	10100	9.9	80
13				10.65	7.8	161	161	2.8	0.000	10290	9.7	80
14				11.16	7.8	146	146	1.1	1	10220	9.5	83
15				11.3	2.8	145	145	1.4	5.5	10230	9.5	83
16				10.55	5.6	145	145	2.8	8	10540	9	80
17				10.71	5.9	125	125	1.4	6	10690	9	80
18				10.78	4.8	140	140	1.4	8	10230	9	80
19				10.36	6.7	160	160	1.4	0	10390	9	80
20				11.59	4.5	140	140	6.4	0	10190	9	80
21				11.4	5.6	165	165	1.1	7	10160	8.7	80
22				10.96	5	165	165	1.7	0	10420	9.1	80
23				10.82	7.3	185	185	3.9	17	10520	9.1	80
24				10.5	5.3	189	189	0.6	12	10490	9.1	80
25				11.04	6.2	190	190	1.7	53	9850	9	100
26				10.13	4.8	150	150	3.9	36	9690	6	100
27				10.9	4.5	162	162	1.4	66	9800	6	100
28				10.79	5.9	160	160	0.8	82	9790	9.2	85
29				11.23	3.9	154	154	1.43	75	10210	9.2	85
30				10.58	7.8	165	165	0.6	78	11400	9.6	75
31				10.19	9.5	166	166	1.4	67	10310	10.1	78
AVERAGE												

TEMP EAST	W. BIOMAT TSS WEST	DO WEST	FLOW WEST	TEMP WEST	E. CLAR PHENOL EC	TSS EC	W. CLAR PHENOL WC	TSS WC	FEED TSS	E. CLAR REC. TSS	W. CLAR REC. TSS
77	13550	6.6	110	78	0.006	84	0.006	37	193	23100	21710
66	13320	9.9	65	70	0.005	19	0.005	11	170	23100	21710
66	12250	10.3	80	70	0.005	13	0.004	3	90	23100	21710
66	13670	10.3	80	69	0.004	23	0.004	11	85	23100	21710
65	12730	9.8	80	68	0.004	25	0.004	13	110	22410	21390
64	12390	9.4	80	68	0.005	31	0.004	18	137	22800	21100
66	12250	8.9	80	70	0.004	21	0.005	13	87	23040	20520
66	12290	8.9	80	70	0.004	30	0.004	31	195	23170	22280
66	11870	8.9	80	70	0.004	30	0.005	13	140	23170	22280
62	13210	8.8	80	66	0.004	20	0.007	14	150	23170	22280
64	12350	8.6	80	68	0.004	29	0.004	27	115	23020	22180
66	12410	8.2	80	69	0.006	23	0.006	25	68	22800	21280
68	12470	7.9	80	71	0.002	32	0.002	35	130	23560	21440
69	12460	7.5	79	72	0.004	44	0.004	34	163	22380	21760
69	12260	7.5	79	72	0.004	52	0.005	42	147	23520	21820
72	13000	6.9	80	75	0.007	25	0.005	24	200	23520	21820
72	13240	6.9	80	75	0.007	27	0.006	31	190	23520	21820
72	12290	6.9	80	75	0.008	48	0.005	34	100	24780	29340
72	12320	6.9	80	75	0.004	58	0.002	50	120	23640	20850
73	11900	6.3	80	75	0.002	67	0.002	32	140	22780	21970
73	11070	6.1	80	77	0.004	100	0.003	40	170	23280	23100
71	12260	5.8	80	75	0.004	15	0.008	18	115	22990	21690
71	12490	5.8	80	75	0.004	102	0.006	26	93	22990	21690
71	12220	5.8	80	75	0.004	96	0.007	32	150	22990	21690
72	11680	6.2	100	68	0.001	24	0.001	24	100	22600	21610
66	12230	9.6	100	70	0.004	52	0.004	30	147	23370	22120
66	11880	9.6	100	70	0.007	38	0.008	44	108	25550	23280
66	12580	6.1	85	70	0.003	30	0.001	32	190	22520	21160
66	12610	6.1	85	70	0.003	14	0.003	20	105	21620	20500
66	13620	6.1	75	70	0.004	20	0.005	28	125	21620	20500
65	12640	6.4	75	60	0.003	28	0.001	40	130	21620	20500

FEB 2010

DAY	OLD STILL PH old	NH3 old	FLOW old	NEW STILL PH new	NH3 new	FLOW new	Total Flow	FEED NH3 Feed	PHENOL Feed	E. BIOMAT TSS East	DO EAST	FLOWEAST
1				10.2	8.4	166	166	3.02	78	9910	9.8	90
2				10.85	7.3	150	150	1.4	40	9630	9.3	100
3				10.55	11.5	180	180	1.1	31.1	10150	9.5	75
4				11.38	5.6	166	166	2.8	39	10550	9.5	75
5				11.02	5.6	173	173	1.4	4	10190	9	85
6				9.96	9.8	190	190	2.8	16	10190	9.1	100
7				10.95	8.7	195	195	1.7	41	10140	9	100
8				10.44	10.4	190	190	1.4	3	9860	8.6	100
9				10.81	9.2	160	160	0.8	2	9810	8.6	100
10				11.29	4.2	165	165	2.8	2	10300	8.9	85
11				10.93	6.2	185	185	1.4	1	10260	9	80
12				10.55	11.2	180	180	2	27	10240	8.8	80
13				10.77	5.6	195	195	2.8	6	9840	9	90
14				11.3	7.8	175	175	2.8	21	9820	9	90
15				10.41	6.7	175	175	2	32	9970	8.9	90
16				10.25	2.8	161	161	2	34	9890	9.1	90
17				10.45	6.4	175	175	2	55	10080	9	90
18				10.78	6.7	175	175	0.6	55	10720	9	90
19				11.1	6.4	165	165	3.1	65	11080	8	110
20				10.5	7	170	170	2.2	75	10980	8	100
21				10.99	11.2	172	172	4.2	79	10420	8	100
22				10.51	10.1	145	145	3.1	64	10860	7.7	85
23				10.74	5.6	145	145	7	13	11030	7.8	85
24				10.38	84	162	162	2.5	2	11740	7.8	85
25				9.89	8.4	165	165	1.7	4	10820	7.8	80
26				11.28	7.6	170	170	1.7	1.1	10910	8.5	80
27				10.14	8.1	175	175	2.8	4	10420	8.7	100
28				11.03	8.1	175	175	3.6	7.5	10700	8.9	80
29							0					
30							0					
31							0					
AVERAGE												

FEB 2010

TEMP EAST	W. BIOMAT TSS WEST	DO WEST	FLOW WEST	TEMP WEST	E. CLAR PHENOL EC	TSS EC	W. CLAR PHENOL WC	TSS WC	FEED TSS	E. CLAR REC. TSS	W. CLAR REC. TSS
66	11880	6.2	90	68	0.004	22	0.006	34	60	22680	21500
68	11610	5.8	100	72	0.006	26	0.006	30	100	23190	22560
68	12170	6.1	75	72	0.003	33	0.006	38	110	22460	20880
68	12370	6.3	75	72	0.004	28	0.006	32	110	22540	20600
66	11950	8.6	85	70	0.006	28	0.006	38	120	23080	21540
68	11890	8.7	100	73	0.009	31	0.004	20	96	22540	21540
72	12160	8.7	100	73	0.007	25	0.004	21	120	22540	21540
72	11670	8.5	100	75	0.005	42	0.006	30	123	24030	22500
72	11660	8.5	100	75	0.003	36	0.003	36	133	23290	21590
73	11970	8.7	85	77	0'	22	0.005	42	133	23090	21860
73	12240	8.8	80	77	0.004	48	0.004	50	145	22850	21490
73	12130	8.6	80	77	0.005	34	0.007	38	170	21460	21530
72	12440	8.6	90	75	0.004	22	0.007	28	150	21460	21530
72	10140	8.6	90	75	0.006	36	0.007	44	200	21460	21530
73	11630	8.4	90	77	0.006	20	0.005	33	90	23040	21870
72	11760	8.4	90	75	0.006	28	0.005	30	83	22540	21080
72	10930	8.4	90	75	0.005	30	0.005	22	150	22080	21900
72	11140	8.4	90	75	0.003	20	0.003	14	106	18350	21360
81	11570	7.8	110	77	0.007	19	0.006	11	100	20240	22350
81	11920	7.5	100	77	0.008	11	0.005	7	77	20240	22350
81	11110	7.5	100	77	0.007	19	0.006	15	113	20240	22350
84	11810	7.6	85	77	0.009	21	0.005	6	125	16630	21590
77	12190	7.8	85	84	0.003	36	0.003	14	143	20060	22060
77	12370	7.8	85	84	0.005	19	0.007	14	95	15280	19570
77	12300	7.8	80	84	0.006	24	0.005	10	150	19000	19750
75	12840	9.9	80	79	0.007	25	0.004	4	98	16150	19800
75	11780	9.6	100	75	0.007	20	0.004	11	68	16150	19800
72	12170	9.8	80	75	0.014	34	0.012	11	105	16150	19800

MAR 2010

DAY	OLD STILL PH old	NH3 old	FLOW old	NEW STILL PH new	NH3 new	FLOW new	Total Flow	FEED NH3 Feed	PHENOL Feed	E. BIOMAT TSS East	DO EAST	FLOWEAST
1				10.16	11.8	177	177	1.4	11	10470	8.8	80
2				10.14	7.6	180	180	1.4	42	10210	8.6	90
3				11.35	5.6	180	180	2	10	10520	8.7	80
4				10.31	10.1	180	180	1.4	71	10380	8.8	80
5				9.82	7	180	180	2.8	60	10210	8.8	80
6				10.39	6.2	180	180	1.7	43	10560	8.9	75
7				10.78	9.2	180	180	0.8	58	10370	8.9	75
8				9.8	7.3	187	187	0.8	43	10330	8.6	80
9				11.08	6.4	110	110	1.4	8	9990	8.1	80
10				10.62	7.8	180	180	0.6	46	10090	8.5	80
11				10.66	9.8	195	195	1.4	60	10100	8	100
12				10.76	7.6	195	195	2.2	55	9840	8	100
13				10.9	9.5	195	195	3.6	57	10030	7.8	100
14				11.3	8.4	195	195	1.4	57	10990	8	90
15				10.49	10.9	195	195	2	115	9860	8.1	90
16				10.34	11.2	162	162	0.8	130	9920	8.1	90
17				11	6.4	155	155	1.1	123	9890	8.2	75
18				10.9	7.8	155	155	1.1	109	10220	8.2	75
19				10.87	8.7	185	185	2	99	10050	8.2	80
20				10.51	6.2	185	185	0.8	113	10760	8.2	80
21				10.6	6.2	185	185	1.4	149	9870	8.2	110
22				11.24	7	155	155	1.4	125	9610	8.3	110
23				9.45	8.4	165	165	0.3	7	10510	8.4	65
24				10.3	8.4	155	155	0.3	2.3	9940	9.2	70
25				11	6.2	165	165	2	0.8	9830	8.7	70
26				11.01	10.4	160	160	2.8	12.2	9610	8.8	80
27				10.9	5.9	145	145	1.7	5	9040	8.5	90
28				11.36	8.4	160	160	1.4	1	9240	8.3	90
29				10.24	8.7	151	151	2.5	16	9550	8.5	90
30				10.65	5.3	168	168	2.8	6	10040	8.9	65
31				10.96	10.1	190	190	3.1	25	9840	8.9	65
AVERAGE												

TEMP EAST	W. BIOMAT TSS WEST	DO WEST	FLOW WEST	TEMP WEST	E. CLAR PHENOL EC	TSS EC	W. CLAR PHENOL WC	TSS WC	FEED TSS	E. CLAR REC. TSS	W. CLAR REC. TSS
73	12000	9.8	80	75	0.005	30	0.005	13	107	20350	21620
71	11720	9.6	90	75	0.004	43	0.001	19	190	20530	22510
71	12170	9.3	80	75	0.005	17	0.007	18	140	19440	22680
70	12110	9.4	80	73	0.01	40	0.01	21	125	20260	21670
72	9600	9.3	80	75	0.008	48	0.007	13	140	20600	21210
72	12500	9.4	75	75	0.006	92	0.007	84	150	20600	21210
72	12420	9.4	75	75	0.004	92	0.009	74	145	20600	21210
72	12450	8.8	80	75	0.01	128	0.009	132	170	21100	22450
75	12150	7.9	80	75	0.009	145	0.012	155	155	19850	22870
73	12150	9.1	80	77	0.008	65	0.009	115	210	20340	21960
73	11690	8.2	100	77	0.009	83	0.011	93	190	21080	21990
73	10910	8.2	100	77	0.008	93	0.008	130	170	19850	21810
75	11500	7.9	100	79	0.013	56	0.013	87	130	19850	21810
73	11190	8.4	90	77	0.009	97	0.008	93	133	19850	21810
73	11190	8.4	90	77	0.011	80	0.011	125	170	18160	21060
73	11590	8.1	90	77	0.011	87	0.011	95	205	19160	21290
73	11560	8.2	75	77	0.011	77	0.013	60	165	17720	19730
73	11640	8.3	75	77	0.007	36	0.005	24	160	17900	19420
73	11560	8.2	80	77	0.006	13	0.003	7	140	20410	20640
73	11440	8.2	80	77	0.009	24	0.007	19	147	20410	20640
71	10860	8.2	110	77	0.007	20	0.004	15	180	20410	20640
72	11000	8.1	110	75	0.004	26	0.003	7	145	19770	20680
72	11020	8.2	65	68	0.004	1	0.003	0	125	17440	18130
68	11760	9.9	70	72	0.006	22	0.006	12	175	18740	19210
70	11400	9.4	70	73	0	15	0.001	8	120	18220	19120
70	11300	9	80	75	0.003	12	0.002	4	93	17210	19360
75	10320	8.9	90	69	0.004	12	0.003	3	100	17210	19360
73	9990	8.3	90	77	0.003	10	0	3	120	17210	19360
73	11180	8.3	90	77	0.003	14	0.003	5	80	19480	20080
72	12250	9.1	65	75	0.002	20	0.003	27	155	18830	19570
72	11400	9.1	65	75	0.004	17	0.003	11	97	18610	20140

APR 2010

DAY	OLD STILL PH old	NH3 old	FLOW old	NEW STILL PH new	NH3 new	FLOW new	Total Flow	FEED NH3 Feed	PHENOL Feed	E. BIOMAT TSS East	DO EAST	FLOWEAST
1				10.02	11.5	185	185	2.2	50	9770	8.1	90
2				10.82	11.8	185	185	0.8	57	9820	8	80
3				11.03	8.4	185	185	3.6	11	9860	8	80
4				10.57	7	165	165	2.8	67	9410	8	80
5				10.65	11.2	177	177	6.2	72	9760	7.8	85
6				10.25	11.8	156	156	2.5	138	10180	7.8	85
7				10.31	8.4	151	151	4.5	32	9840	7.7	85
8				9.53	16.5	177	177	3.9	187	9610	7.7	85
9				10.82	9.5	190	190	3.6	189	9750	7.9	70
10				10.78	14	170	170	9	223	10080	7.9	95
11				11.02	12	135	135	8.4	179	9840	7.8	95
12				10.6	9.8	130	130	8.4	222	9320	7.8	95
13				9.83	12	170	170	7	216	9890	7.8	95
14				10.78	6.2	130	130	8.4	224	10120	7.8	95
15				10.21	11.2	140	140	6.2	221	10070	7.4	80
16				10.63	12.6	135	135	9.2	173	10050	7.2	80
17				10.3	10.1	135	135	5.6	193	10100	7.2	80
18				10.2	11.8	135	135	7.6	207	9850	7.2	80
19				9.74	16.8	140	140	11.2	315	10350	7.6	75
20				10.96	12.6	152	152	14	385	9970	6.8	90
21				9.43	16.5	160	160	14	395	10030	6.8	90
22				10.79	10.4	145	145	12	368	9920	6.5	95
23				10.49	9	135	135	9.8	382	10190	6.8	75
24				11.05	8.4	145	145	7.6	443	10340	6.8	75
25				10.97	7.6	165	165	5.8	501	9860	6.8	75
26				9.73	11.5	185	185	8.4	353	12020	6.8	75
27				10.05	14	156	156	9.5	350	10450	6.8	75
28				9.78	9.2	156	156	9.2	432	10370	5.5	100
29				10.25	9.8	167	167	8.4	346	10870	5.5	100
30				10.68	12.6	165	165	7.6	269	10760	5.3	80
AVERAGE												

APR 2010

TEMP EAST	W. BIOMAT TSS WEST	DO WEST	FLOW WEST	TEMP WEST	E. CLAR PHENOL EC	TSS EC	W. CLAR PHENOL WC	TSS WC	FEED TSS	E. CLAR REC. TSS	W. CLAR REC. TSS
75	11240	8.3	90	79	0.005	15	0.005	13	83	20250	20580
75	11530	8	80	79	0.003	20	0.003	23	120	17530	20100
75	10940	8	80	79	0.003	16	0.003	10	110	17530	20100
75	10020	8	80	79	0.003	24	0.004	16	120	17530	20100
79	11430	7.4	85	82	0.007	21	0.005	13	107	18550	20860
77	12140	7.1	85	82	0.004	29	0.006	21	138	17570	20770
77	12900	7	85	81	0.006	20	0.005	30	110	18500	20730
77	11820	7	85	81	0.006	21	0.004	21	137	17900	20110
77	12850	7.2	70	81	0.003	12	0.004	13	133	19360	20830
76	12230	7.1	95	79	0.009	21	0.011	13	137	19360	20830
75	10440	7	95	78	0.004	24	0.007	24	147	19360	20830
75	10890	7	95	78	0.004	17	0.006	14	133	19570	23230
75	11680	7	95	78	0.006	22	0.007	21	160	20180	22080
75	11720	7	95	78	0.007	27	0.007	14	143	20410	22090
79	12050	6.6	80	82	0.012	9	0.006	1	87	21170	19680
79	12320	6.6	80	82	0.008	20	0.003	17	127	19580	21190
79	11460	6.6	80	82	0.008	24	0.007	30	133	19580	21190
79	11420	6.6	80	82	0.005	20	0.008	24	83	19580	21190
75	12290	7.1	75	79	0.008	7	0.008	29	140	29010	27190
77	12130	5.4	90	81	0.008	10	0.006	12	113	19970	22220
77	12290	5.4	90	81	0.005	14	0.005	16	117	20380	22170
79	11870	4.3	95	82	0.009	14	0.011	12	127	20250	22000
77	12620	4.6	75	82	0.009	19	0.011	12	140	18270	21060
77	12480	4.6	75	82	0.011	19	0.01	24	155	18270	21060
77	11520	4.6	75	82	0.008	25	0.008	25	125	18270	21060
77	12080	4.6	75	82	0.01	52	0.007	17	160	21720	22710
77	12190	4.6	75	82	0.01	36	0.007	22	155	19830	22720
77	12270	4.3	100	81	0.013	34	0.013	23	120	21370	23140
77	12470	4.3	100	81	0.008	22	0.006	22	130	21500	22690
77	12610	4	80	82	0.008	31	0.006	29	170	21170	21980

MAY 2010

DAY	OLD STILL PH old	NH3 old	FLOW old	NEW STILL PH new	NH3 new	FLOW new	Total Flow	FEED NH3 Feed	PHENOL Feed	E. BIOMAT TSS East	DO EAST	FLOWEAST
1				10.6	11.5	143	143	7.3	313	9840	4.8	77
2				10.25	11.2	145	145	7.3	303	10290	4.8	77
3				10.87	8.4	140	140	7.3	343	10850	5.5	80
4				10.42	9.5	140	140	5.6	395	10510	5.5	80
5				10.16	9.2	133	133	7.8	363	11210	5.4	100
6				9.82	11.2	180	180	9.8	397	10830	5.8	100
7				10.21	10.6	183	183	9	313	11080	5.8	100
8				10.71	8.4	127	127	7.3	278	11400	5.8	100
9				9.5	18.8	140	140	7	260	11710	5.8	85
10				10.29	14	150	150	11.2	303	11290	7.3	85
11				10.6	12.6	150	150	11.2	329	10870	6.3	95
12				10.46	12	133	133	10.6	330	10760	6.2	90
13				10.35	10.9	125	125	9	340	11120	6.2	90
14				9.87	9.8	125	125	8.7	364	10980	6.2	90
15				10.25	12.6	140	140	9.2	313	11910	3.9	80
16				10.85	10.1	138	138	10.1	291	11410	3.9	80
17				10.07	17.6	138	138	10.6	480	11500	6.2	75
18				9.69	11.2	161	161	10.4	452	11540	6.3	75
19				10.45	7.8	127	127	9.8	518	11450	6.1	85
20				10	11.5	127	127	9	414	11850	6.7	75
21				10.29	11.8	172	172	8.4	427	11300	6.5	75
22				10.75	10.1	180	180	7	372	11450	6.8	100
23				10.22	13.4	180	180	7.8	382	11270	6.6	100
24				9.89	7.6	120	120	7.3	348	11480	6.5	100
25				10.5	10.6	170	170	7	338	11870	6.5	100
26				9.84	10.9	117	117	5	431	11960	6.9	85
27				9.86	13.4	155	155	5.6	394	11630	6.8	85
28				10.85	15.4	150	150	7.8	397	11820	6.6	85
29				11.01	9.2	152	152	7	410	11110	7	85
30				10.8	12.9	172	172	6.7	443	12470	6.9	95
31				10.76	11.8	160	160	9.2	420	12330	6.9	95
AVERAGE												

MAY 2010

TEMP EAST	W. BIOMAT TSS WEST	DO WEST	FLOW WEST	TEMP WEST	E. CLAR PHENOL EC	TSS EC	W. CLAR PHENOL WC	TSS WC	FEED TSS	E. CLAR REC. TSS	W. CLAR REC. TSS
78	11190	3.8	80	82	0.009	32	0.01	30	200	19710	22180
78	11440	3.8	80	82	0.012	30	0.007	25	180	19710	22180
79	12800	3.8	80	82	0.007	17	0.005	18	120	19710	22180
79	12470	3.8	80	82	0.01	36	0.007	19	195	21970	23380
82	12630	3.2	100	86	0.008	27	0.007	15	135	21830	22240
82	12640	3.1	100	86	0.012	27	0.01	30	125	21230	23560
82	12930	3.1	100	86	0.009	36	0.008	17	123	22140	24300
82	12670	3.1	100	86	0.009	35	0.008	20	133	22140	24300
82	13830	3.1	85	86	0.009	18	0.008	7	98	22140	24300
75	13120	4.2	85	79	0.007	36	0.005	13	105	21310	23260
78	13050	4.2	95	76	0.008	30	0.007	15	113	20710	23730
77	12950	3.5	90	81	0.007	21	0.005	4	90	20500	23440
77	13290	3.5	90	81	0.009	36	0.012	14	120	22380	23900
77	12980	3.5	90	81	0.012	35	0.009	16	93	22240	24060
79	14230	6.5	80	82	0.01	28	0.008	15	133	22240	24060
79	14250	6.5	80	82	0.005	30	0.008	16	137	22240	24060
79	13930	3.7	75	84	0.008	16	0.008	3	130	21040	23680
79	14210	3.8	75	82	0.005	37	0.005	16	125	21330	24930
79	14200	3.7	85	82	0.008	31	0.007	20	150	22600	26800
79	14490	3.8	75	82	0.008	13	0.009	14	105	20600	25290
79	14370	3.8	75	82	0.007	13	0.006	16	140	21700	23760
78	14060	3.7	100	82	0.009	20	0.009	10	125	21700	23760
82	13490	3.4	100	86	0.012	20	0.011	9	120	21700	23760
84	13390	3.2	100	88	0.011	25	0.007	11	145	21700	23760
84	14270	3.2	100	88	0.005	24	0.004	8	150	21490	25140
82	14260	3.5	85	86	0.007	27	0.012	15	150	21960	27080
82	12540	3.4	85	86	0.009	15	0.009	3	145	23480	24500
82	14060	3.3	85	88	0.004	23	0.01	4	130	23460	24330
81	14240	3.4	85	86	0.004	22	0.011	5	150	23460	24330
81	14410	3.3	95	88	0.011	37	0.009	11	170	23460	24330
81	14230	3.3	95	88	0.011	32	0.013	12.4	160	23460	24330

DAY	OLD STILL PH old	NH3 old	FLOW old	NEW STILL PH new	NH3 new	FLOW new	Total Flow	FEED NH3 Feed	PHENOL Feed	E. BIOMAT TSS East	DO EAST	FLOWEAST
1				10.89	9.2	160	160	7	337	12210	6.9	95
2				9.86	14.6	165	165	6.2	313	12020	6.9	95
3				10.25	12.6	165	165	7.3	358	12160	6.9	95
4				10.42	13.2	165	165	7.3	413	12360	6.8	90
5				10.66	9.2	135	135	7.6	448	12370	6.8	85
6				10.39	11.2	130	130	6.2	399	11960	6.8	85
7				9.91	15.1	151	151	7	404	12380	6.1	90
8				9.85	13.4	147	147	7.3	428	12540	6	90
9				9.18	14.3	147	147	7.8	404	12600	5.8	80
10				10.17	12	147	147	8.1	382	12460	5.6	75
11				10.15	12.6	155	155	7.3	389	12460	4.8	75
12				10.03	11.2	155	155	8.4	384	12460	4.8	75
13				9.95	11.2	139	139	7.8	425	12040	4.8	75
14				9.64	15.4	145	145	9	413	12040	2.5	85
15				10.7	12	160	160	9.5	246	11220	3.1	85
16				10.16	14	175	175	9.5	279	10320	4.8	90
17				10.02	9.8	180	180	9.8	286	10460	4.7	90
18				10.35	12.6	130	130	9.8	300	10260	5.3	90
19				10.05	11.2	156	156	12	305	10740	5.3	90
20				10.07	11.8	130	130	11.8	333	10770	5.3	90
21				9.53	17.4	145	145	14	307	10580	6	95
22				10.35	12.6	158	158	15.4	296	10500	6.3	75
23				10.31	13.4	155	155	38.4	290	10140	6.3	75
24				10.82	11.2	140	140	31.1	268	10320	6.3	75
25				10.19	13.7	150	150	22.4	250	9400	6.3	75
26				10.54	15.4	140	140	19	269	10020	6.3	75
27				10.51	14	135	135	20.2	262	10240	6.3	75
28				10.02	18.5	145	145	19.6	262	9560	6.6	70
29				10.25	16.8	161	161	17.9	360	9530	6.6	75
30				10.33	12.6	151	151	14.8	259	9460	6.7	80
AVERAGE							0					

JUNE 2010

TEMP EAST	W. BIOMAT TSS WEST	DO WEST	FLOW WEST	TEMP WEST	E. CLAR PHENOL EC	TSS EC	W. CLAR PHENOL WC	TSS WC	FEED TSS	E. CLAR REC. TSS	W. CLAR REC. TSS
81	13970	3.4	95	88	0.011	41	0.013	15	125	23720	24940
81	13490	3.4	95	88	0.009	36	0.012	9	140	24420	24900
81	14180	3.4	95	88	0.015	30	0.014	8	115	23640	25900
81	14390	3.3	90	88	0.016	45	0.014	6	100	23060	25490
80	14440	3.3	85	88	0.012	40	0.013	6	140	23060	25490
80	13490	3.3	85	88	0.008	40	0.011	6	110	23060	25490
84	14580	3	90	88	0.013	33	0.006	10	130	24520	25450
84	14530	2.9	90	88	0.013	30	0.009	7	93	26540	26770
82	14830	7.2	80	88	0.01	29	0.008	13	157	24800	27190
82	14780	3.1	75	88	0.009	21	0.006	11	97	23800	24690
84	15310	3.2	75	88	0.009	13	0.005	5	90	21220	27000
84	12460	3.2	75	88	0.008	15	0.009	8	100	21220	27000
84	13760	3.2	75	88	0.006	15	0.004	5	90	23800	24690
88	14260	3.2	85	90	0.012	63	0.009	8	87	22590	25062
88	14420	3.1	85	90	0.013	29	0.003	3	97	21690	24390
84	14000	3.5	90	88	0.013	26	0.003	2	90	23210	24810
84	14560	3.5	90	88	0.016	200	0.003	18	120	24570	27430
86	15040	3.4	90	90	0.019	260	0.006	24	108	21330	28430
86	15620	3.4	90	90	0.015	225	0.006	20	110	21330	28430
86	17050	3.4	90	90	0.014	315	0.009	20	150	21330	28430
86	14990	3.4	95	90	0.009	205	0.005	6	116	20210	27710
84	15220	3.6	75	90	0.013	140	0.006	4	135	18540	27000
84	15180	3.5	75	90	0.016	110	0.005	9	150	18140	25360
84	15260	3.5	75	90	0.011	110	0.004	7	140	18130	26280
84	14800	3.5	75	90	0.011	35	0.004	6	115	16840	26020
84	14240	3.5	75	90	0.012	30	0.009	5	125	16840	26020
84	13240	3.5	75	90	0.007	68	0.004	9	150	16840	26020
84	15100	3.5	75	88	0.007	32	0.004	9	127	18470	28150
84	15480	3.5	75	88	0.008	36	0.006	12	135	18240	26410
82	14820	3.6	80	88	0.006	26	0.006	4	176	18640	26370

Appendix CAA G - ABC Coke Ammonia Still Flowrates

JULY 2010

DAY	OLD STILL PH old	NH3 old	FLOW old	NEW STILL PH new	NH3 new	FLOW new	Total Flow	FEED NH3 Feed	PHENOL Feed	E. BIOMAT TSS East	DO EAST	FLOWEAST
1				9.99	18.2	151	151	15.7	243	9490	6.8	80
2				9.96	17.6	130	130	15.4	250	9380	6.8	90
3				9.82	23	140	140	14.8	266	9750	6.8	90
4				9.55	16.8	140	140	16.2	266	9270	6.8	90
5				9.7	11.8	135	135	17.1	243	9720	7	75
6				9.52	18.2	140	140	16.2	281	9780	6.9	75
7				10.75	9	145	145	14.6	353	9410	6.8	80
8				10.14	14	140	140	14	231	9540	6.4	90
9				9.61	16	140	140	10.9	290	9620	6.4	90
10				9.62	12	120	120	12.6	264	9320	6.6	80
11				9.47	9.8	110	110	12.9	292	9460	6	80
12				9.25	19.9	120	120	14.8	293	9730	6.7	50
13				10.66	12.3	131	131	13.7	240	9310	6.8	55
14				9.8	16.2	130	130	13.2	250	9620	6.8	55
15				10.25	10.9	125	125	12.9	249	9290	6.8	55
16				9.96	16.8	165	165	12.6	213	8920	6.7	85
17				9.65	11.2	130	130	14	196	9000	6.6	100
18				10.5	12.6	150	150	14.6	218	8560	6.5	100
19				10.47	16	140	140	14.6	408	9060	6.4	75
20				10.72	8.4	121	121	15.4	370	9280	6.4	75
21				9.91	10.4	141	141	10.9	377	9570	7	50
22				10.4	12.9	133	133	15.1	355	10530	6.6	75
23				10.2	17.6	167	167	14.3	313	11040	5.9	85
24				10.37	15.4	155	155	15.4	324	11270	5.9	85
25				9.52	13.4	140	140	17.1	303	11040	13.7	85
26				9.96	17.6	130	130	17.1	329	11680	6.4	85
27				10.52	10.6	130	130	14.3	335	11680	6.3	70
28				8.67	19	150	150	13.2	211	11250	5.6	95
29				9.86	17.1	150	150	12.6	234	11110	5.3	95
30				9.83	16.2	128	128	12.3	217	11770	5.5	65
31				10.77	14	141	141	13.2	234	11800	5.5	65

JULY 2010

TEMP EAST	W. BIOMAT TSS WEST	DO WEST	FLOW WEST	TEMP WEST	E. CLAR PHENOL EC	TSS EC	W. CLAR PHENOL WC	TSS WC	FEED TSS	E. CLAR REC. TSS	W. CLAR REC. TSS
82	15020	3.7	80	88	0.007	46	0.003	9	230	18440	26230
82	14200	3.7	90	88	0.008	28	0.002	5	117	18920	26670
82	14880	3.7	90	88	0.008	42	0.004	7	266	18920	26670
82	12490	3.7	90	88	0.009	62	0.003	8	120	18920	26670
82	14840	3.8	75	86	0.006	19	0	1	107	18920	26670
82	15560	3.8	75	86	0.007	27	0.004	12	107	18420	26630
82	14280	3.8	80	86	0.006	32	0.003	5	120	17960	26560
84	15130	3.7	90	88	0.009	23	0.006	11	127	19350	26940
84	14860	3.7	90	88	0.007	24	0.004	10	110	17570	25980
84	15420	3.9	80	88	0.009	30	0.004	11	130	17570	25980
84	14140	3.9	80	88	0.014	31	0.012	4	225	17570	25980
82	15780	4.1	50	88	0.009	21	0.005	11	140	17550	26700
82	15710	4.3	55	86	0.009	19	0.005	4	145	16570	25270
82	16050	4.3	55	86	0.003	21	0.001	11	210	15960	25590
82	15550	4.3	55	86	0.003	21	0.001	11	150	16650	26140
84	14960	4.1	85	88	0.006	24	0.004	15	150	16870	26140
84	15000	4.2	102	87	0.007	26	0.002	13	160	16870	26140
84	14200	4.1	100	88	0.008	44	0.005	8	125	16870	26140
84	14970	4.1	75	90	0.004	30	0.000	8	140	17700	27070
84	14740	4.1	75	90	0.007	31	0.004	8	140	17070	26390
82	15910	4.2	50	88	0.007	20	0.003	2	150	16600	25030
84	14070	4	75	88	0.003	34	0.015	17	155	21260	21610
86	12600	7	85	90	0.007	32	0.004	8	140	21260	21610
86	12440	7	85	90	0.004	36	0.003	9	150	21260	21610
87	12630	6.8	85	89	0.004	32	0.003	8	160	21260	21610
86	12940	6.8	85	90	0.005	35	0.003	16	127	22500	22280
84	13220	7.2	70	88	0.004	26	0.006	10	143	29920	22590
84	11760	7.1	95	90	0.006	31	0.006	16	193	21550	23270
86	12500	7.1	95	90	0.005	33	0.004	26	170	21410	22740
84	13280	7.5	65	88	0.005	13	0.005	18	140	20900	22870
84	12670	7.5	65	88	0.007	20	0.005	8	123	20900	22870

AUG 2010

DAY	OLD STILL PH old	NH3 old	FLOW old	NEW STILL PH new	NH3 new	FLOW new	Total Flow	FEED NH3 Feed	PHENOL Feed	E. BIOMAT TSS East	DO EAST	FLOWEAST
1				10.15	15.1	130	130	15.1	240	12020	5	80
2				10.2	13.2	168	168	12.6	194	11320	6	80
3				10.49	11.2	150	150	11.2	244	11280	6.9	75
4				10.4	9.8	140	140	12.6	214	10930	6.9	75
5				10.43	11.2	135	135	10.4	196	11370	7.1	80
6				9.77	11.2	140	140	11.8	225	10840	7	80
7				10.62	10.1	130	130	11.2	263	10920	7.1	80
8				10.49	11.2	145	145	11.2	203	10200	6.1	70
9				10.43	14	144	144	12.6	333	11490	6.9	70
10				10.69	7.8	149	149	9.2	308	11410	6.8	75
11				9.7	10.9	142	142	12.3	292	11280	8.5	85
12				9.73	13.2	128	128	8.7	301	11500	8.5	85
13				9.88	13.7	147	147	14.8	297	11400	7.9	75
14				10.76	13.4	145	145	14	301	11670	5.9	75
15				9.31	19.9	160	160	12.6	292	11350	5.9	75
16				9.58	18.8	155	155	14	285	11320	6.7	85
17				9.99	14	155	155	12.6	273	11060	6.5	90
18				9.78	16.8	155	155	11.8	194	12060	6.6	100
19				10.63	12.6	155	155	13.4	185	10500	6.2	110
20				9.85	9.5	137	137	10.4	297	11180	6.7	75
21				9.72	10.1	140	140	10.1	239	11990	6.5	75
22				10.77	11.2	125	125	11.2	291	11280	6.5	75
23				9.72	16.5	135	135	12	382	10960	7	75
24				10.83	14.6	135	135	16	294	12550	7.4	50
25				11.23	9.2	155	155	15.4	345	11290	7.3	75
26				10.44	15.7	158	158	12.9	280	10950	6.8	100
27				10.47	11.8	138	138	11.8	305	10810	6.8	100
28				10.45	11.2	110	110	11.2	303	13670	7.1	60
29				10.35	9.8	110	110	10.1	345	12410	7.5	69
30				9.88	14	148	148	11.2	184	11320	7.9	75
31				9.95	13.4	131	131	12.9	178	10670	6.8	90
AVERAGE												

AUG 2010

TEMP EAST	W. BIOMAT TSS WEST	DO WEST	FLOW WEST	TEMP WEST	E. CLAR PHENOL EC	TSS EC	W. CLAR PHENOL WC	TSS WC	FEED TSS	E. CLAR REC. TSS	W. CLAR REC. TSS
85	12270	5	80	88	0.008	21	0.005	9	120	21000	22500
84	13230	7.4	80	90	0.004	11	0.003	7	77	21310	22940
84	12880	6.2	75	90	0.005	19	0.003	5	117	20800	22250
84	13170	6.2	75	90	0.003	31	0.003	10	235	20150	22460
86	12870	6.2	80	90	0.002	18	0.002	17	170	19860	22320
86	12700	6.1	80	90	0.005	20	0.004	17	137	21310	23720
86	12440	6.2	80	90	0.004	30	0.003	21	140	21310	23720
85	11360	6.8	70	90	0.003	21	0.002	24	150	21310	23720
84	13460	6.1	70	90	0.005	26	0.005	13	160	20970	22870
84	13310	6	75	90	0.008	23	0.006	15	155	21380	22810
84	13300	6.1	85	90	0.004	37	0.002	13	195	21460	22970
84	13330	5.9	85	90	0.007	28	0.005	10	160	23010	25330
84	13540	5.8	75	90	0.006	30	0.004	10	150	20010	22950
84	13860	7.5	75	88	0.002	29	0.001	17	120	20010	22950
84	13600	7.5	75	88	0.005	28	0.004	14	104	20010	22950
84	13560	5.9	85	90	0.008	32	0.006	16	88	21900	24410
86	13530	5.8	90	90	0.007	38	0.006	22	83	21960	24920
84	14050	5.7	100	90	0.003	28	0.011	18	105	20970	23880
86	12810	5.6	110	90	0.007	41	0.004	46	126	21810	24460
84	13760	5.6	75	90	0.007	31	0.008	17	130	20580	24100
84	13820	5.6	75	90	0.007	30	0.004	15	125	20680	24100
84	13240	5.6	75	90	0.004	36	0.007	24	145	20680	24100
84	13930	5.7	75	88	0.006	30	0.01	13	30	20470	24080
82	14430	6.1	50	88	0.005	32	0.003	12	140	19200	23500
82	13480	6	75	86	0.003	46	0.005	20	205	19720	24060
84	16220	5.8	100	88	0.007	49	0.004	42	265	21190	24830
84	13550	5.8	100	88	0.005	32	0.005	20	150	21520	25310
80	14480	5.9	65	88	0.004	36	0.007	28	160	21520	25310
82	13720	6.1	63	86	0.008	40	0.007	30	170	21520	25310
81	14830	6.3	75	84	0.005	56	0.006	14	115	19650	23710
81	14080	7.1	90	84	0.006	28	0.003	23	140	21200	23690

SEPT 2010

DAY	OLD STILL PH old	NH3 old	FLOW old	NEW STILL PH new	NH3 new	FLOW new	Total Flow	FEED NH3 Feed	PHENOL Feed	E. BIOMAT TSS East	DO EAST	FLOWEAST
1				9.9	19.3	130	130	11.2	186	11550	7.9	75
2				10.42	16.5	141	141	11.2	156	10900	7.9	75
3				10.86	12.6	160	160	12.9	178	10540	7.5	90
4				9.82	16.2	150	150	14.6	194	11400	7.5	90
5				10.38	16.5	150	150	15.7	201	11000	7.5	90
6				9.29	18.5	140	140	18.5	270	10840	7.5	90
7				10.54	16.8	140	140	20.2	209	11030	7.5	90
8				10.78	10.6	170	170	25.2	394	10220	7.5	90
9				11.31	12	150	150	22.4	201	10240	7.5	90
10				10.02	17.6	165	165	17.6	217	10360	7.3	80
11				10.55	18.2	130	130	18.5	242	10650	7.3	80
12				10.8	10.6	100	100	16.8	262	10600	7.3	80
13				10.72	14.6	145	145	16.8	236	10500	8.3	75
14				10.6	12.9	146	146	19.6	230	10260	8.4	75
15				10.96	8.7	120	120	16.5	226	10060	8.2	85
16				10.69	11.7	130	130	13.7	264	9910	8.2	85
17				9.99	12	120	120	11.2	236	10410	8	65
18				10.23	12	130	130	14	262	10340	12.4	70
19				10.23	16.2	150	150	11.8	218	10250	12.4	70
20				10.55	5.6	140	140	15.4	185	9760	9.9	90
21				10.5	13.2	150	150	15.1	281	9920	9	80
22				10.18	12	110	110	12	306	10000	8.7	80
23				10.48	11.2	145	145	11.2	284	10150	8.7	70
24				11.1	7	100	100	14	252	10050	9.8	70
25				10.4	8.4	119	119	11.2	284	10280	9.7	75
26				10.77	9.8	120	120	10.4	242	9920	9.7	75
27				10.54	10.6	120	120	9.8	305	9660	9.9	75
28				10.84	8.4	140	140	11.5	335	9730	9.1	75
29				9.92	10.6	140	140	11.8	349	9650	9.7	75
30				9.89	9.8	141	141	11.5	328	9690	6.9	80
							0					

AVERAGE

SEPT 2010

TEMP EAST	W. BIOMAT TSS WEST	DO WEST	FLOW WEST	TEMP WEST	E. CLAR PHENOL EC	TSS EC	W. CLAR PHENOL WC	TSS WC	FEED TSS	E. CLAR REC. TSS	W. CLAR REC. TSS
81	13800	6.3	75	84	0.006	53	0.007	16	110	20130	22890
81	13580	6.3	75	84	0.007	60	0.005	19	155	19120	22480
82	13100	6	90	86	0.007	37	0.007	16	120	19920	22800
84	12860	6.1	90	84	0.005	37	0.004	20	150	19920	22800
80	13040	6.2	90	84	0.009	40	0.006	20	170	19920	22800
80	13550	6.2	90	84	0.008	36	0.005	11	130	20060	26000
80	13500	6.2	90	84	0.004	20	0.005	6	147	20060	21540
80	12830	6.2	90	84	0.006	42	0.005	7	120	19910	21200
80	11980	6.2	90	84	0.008	40	0.007	15	105	19910	23260
82	12850	5.9	80	86	0.015	28	0.006	19	113	20010	22620
82	13100	5.9	80	86	0.007	33	0.001	20	120	20010	22620
82	13300	5.9	80	86	0.006	35	0.005	18	125	20010	22620
81	13480	6.5	75	84	0.006	42	0.005	18	140	18250	21700
81	12980	6.5	75	84	0.007	26	0.004	12	117	18810	22210
81	12590	6.3	85	84	0.006	36	0.003	10	133	19400	21960
81	12570	6.3	85	84	0.008	71	0.006	20	170	19750	21260
81	12760	6.5	65	84	0.006	40	0.007	16	130	18760	21820
80	13200	6.5	70	84	0.008	44	0.007	19	133	18760	21820
80	13250	6.5	70	84	0.009	36	0.005	10	123	18760	21820
82	12270	6.2	90	86	0.007	58	0.006	24	117	18640	21550
84	12290	6.1	80	86	0.008	48	0.006	10	123	18570	22660
82	12630	6.2	80	86	0.003	90	0.003	20	137	19020	22770
82	13310	6.4	70	86	0.009	58	0.007	17	113	18610	22250
82	13010	6.4	70	86	0.005	57	0.004	8	135	18760	23420
82	13620	6.4	75	84	0.006	67	0.003	14	150	18760	23420
82	13100	6.4	75	84	0.006	60	0.003	14	145	18760	23420
81	13130	6.4	75	82	0.01	67	0.007	16	120	18100	22930
79	13360	6.5	75	82	0.007	55	0.004	22	130	18520	23010
79	12790	6.2	75	81	0.007	103	0.007	14	135	17830	22890
79	13430	6.9	80	81	0.004	50	0.000	20	113	17530	22960

OCT 2010

DAY	OLD STILL PH old	NH3 old	FLOW old	NEW STILL PH new	NH3 new	FLOW new	Total Flow	FEED NH3 Feed	PHENOL Feed	E. BIOMAT TSS East	DO EAST	FLOWEAST
1				10.12	10.4	163	163	11.5	294	9750	6.8	90
2				10.1	12	150	150	12	300	9880	6.8	90
3				10.24	11.2	150	150	14	283	10090	6.8	90
4				10.72	9.5	136	136	12	310	9400	7.8	70
5				10.91	8.7	142	142	11.8	328	9450	8.1	70
6				9.98	12.6	160	160	10.6	241	9430	8.2	75
7				9.74	11.2	150	150	16.8	302	9050	8.2	75
8				10.51	14.6	140	140	18.8	307	9370	8.2	75
9				9.95	16.2	135	135	15.4	294	9250	7.7	75
10				10.53	15.1	135	135	14	312	9550	7.7	75
11				10.28	16.2	142	142	14.8	327	9490	7.4	75
12				10.26	14.8	142	142	15.4	334	9440	7.4	75
13				10.02	10.4	150	150	14	343	9180	7.4	75
14				10.95	10.6	169	169	12.6	384	9270	6.3	100
15				10.6	8.4	108	108	11.5	371	9440	7.6	70
16				9.04	22.4	140	140	10.6	353	9280	8.1	70
17				9.8	12.6	150	150	13.7	375	9210	8	85
18				10.09	16.8	140	140	15.4	344	9300	8	85
19				10.52	12.6	145	145	14.6	350	9450	7.5	85
20				9.89	16.8	165	165	11.8	342	9420	7.3	85
21				10.53	12.6	179	179	15.4	472	9220	7.4	85
22				10.4	12.9	121	121	14.6	321	9660	7.4	85
23				10.15	12.8	140	140	12.8	334	9240	7.9	70
24				9.83	13.4	135	135	13.4	314	9140	7.9	70
25				10.55	10.9	140	140	14	315	9260	7.2	85
26				10.1	10.9	152	152	15.7	313	9340	6.6	85
27				10.6	9.8	155	155	10.6	177	9020	6.6	85
28				9.5	11.2	175	175	10.9	256	9030	6.9	95
29				9.67	8.4	115	115	11.8	288	9030	7.3	100
30				9.64	16.5	125	125	12.6	262	9470	7.2	95
31				10.15	18.5	125	125	12.9	278	9620	7.1	95
AVERAGE												

OCT 2010

TEMP EAST	W. BIOMAT TSS WEST	DO WEST	FLOW WEST	TEMP WEST	E. CLAR PHENOL EC	TSS EC	W. CLAR PHENOL WC	TSS WC	FEED TSS	E. CLAR REC. TSS	W. CLAR REC. TSS
79	12990	6.9	90	81	0.007	83	0.002	25	90	18600	23430
79	12440	6.9	90	81	0.008	93	0.007	14	100	18600	23430
79	13240	6.9	90	81	0.009	103	0.004	14	120	18600	23430
77	13490	7.4	70	79	0.009	53	0.004	14	145	17350	22690
75	13610	7.5	70	77	0.008	48	0.004	14	140	19140	22490
75	13380	7.4	75	77	0.009	55	0.003	22	137	17210	23260
75	12650	7.4	75	77	0.011	70	0.009	23	150	18860	23360
75	13450	7.4	75	77	0.01	40	0.006	23	110	16720	22710
77	13330	6.7	75	79	0.009	38	0.008	25	105	16720	22710
77	13860	6.7	75	79	0.014	36	0.009	13	120	16720	22710
77	13570	6.4	75	79	0.02	35	0.006	11	100	17850	23470
77	13500	6.4	75	79	0.01	44	0.006	14	113	18080	23160
77	12830	6.4	75	79	0.009	58	0.006	19	155	18630	23760
82	12990	5.3	100	84	0.01	90	0.006	35	205	19950	24240
79	13660	5.5	70	82	0.009	38	0.006	19	150	18110	23140
77	13040	5.9	70	80	0.011	72	0.007	14	155	18110	23140
77	12480	6.2	85	80	0.007	48	0.004	16	150	18110	23140
77	13030	6.2	85	80	0.008	34	0.005	21	130	18530	22620
79	13230	6.5	85	82	0.016	42	0.006	19	113	19080	25160
79	13020	6.5	85	82	0.011	65	0.008	24	160	17970	23140
79	12770	6.5	85	82	0.01	54	0.006	27	160	19390	24440
79	13200	6.5	85	82	0.013	50	0.008	14	133	17830	23470
77	12400	6.8	70	79	0.013	60	0.009	18	150	17830	23470
77	12880	6.8	70	79	0.011	68	0.006	21	140	17830	23470
79	13170	6.2	85	81	0.011	78	0.006	31	165	18020	22360
81	13180	5.6	85	82	0.008	48	0.005	20	155	17920	23280
81	12820	5.6	85	82	0.000	30	0.000	21	143	19200	24250
82	13360	5.3	95	84	0.008	24	0.004	18	137	18530	25990
81	13440	6.2	100	82	0.011	52	0.007	29	143	18360	24470
81	13630	6.1	95	82	0.008	43	0.006	25	187	18360	24470
81	13630	6.2	95	82	0.007	45	0.004	36	180	18360	24470

NOV 2010

DAY	OLD STILL PH old	NH3 old	FLOW old	NEW STILL PH new	NH3 new	FLOW new	Total Flow	FEED NH3 Feed	PHENOL Feed	E. BIOMAT TSS East	DO EAST	FLOWEAST
1				9.92	15.1	159	159	12.9	233	9560	8.7	75
2				10.54	15.4	165	165	15.7	220	9250	8.3	80
3				10.4	12.9	170	170	16.5	232	9030	7.9	95
4				10.42	8.4	130	130	12.9	199	8910	7.6	100
5				10.6	11.2	130	130	10.9	178	8850	7.4	80
6				11.22	9	144	144	7	205	8850	7.4	79
7				10.01	13.4	178	178	8.7	213	8890	8.7	80
8				10	14.3	170	170	11.8	243	8780	8	100
9				10.3	10.4	120	120	10.9	278	8930	8.1	90
10				10.57	12	140	140	7.6	214	9160	8.6	70
11				9.73	14.6	130	130	7.8	224	9130	8.8	70
12				10.06	14.6	160	160	7.6	254	9010	8.6	80
13				9.62	19	142	142	10.4	283	9130	8.7	85
14				9.65	22.1	135	135	14.8	318	8990	8.7	85
15				10.41	15.7	140	140	16.2	384	9090	8.3	85
16				10.56	12	144	144	15.1	411	8610	8.4	60
17				11.06	11.5	170	170	11.8	396	9060	8.3	100
18				10.13	11.8	145	145	9.8	427	9220	7.7	100
19				10	14.6	145	145	10.6	350	9850	7.7	90
20				10.03	15.4	140	140	10.9	384	9610	7.4	70
21				10.02	15.1	155	155	10.9	371	9970	7.7	70
22				10.44	10.6	142	142	11.2	339	9710	7.7	70
23				10.24	10.4	142	142	11.2	415	9500	7.7	70
24				10.49	10.6	147	147	9.8	201	8940	7.7	80
25				10.2	10.1	130	130	10.1	228	9270	7.7	80
26				9.7	12.9	145	145	10.6	196	9720	7.7	85
27				10.09	14.6	140	140	14.6	268	9020	7.4	80
28				10.28	11.8	145	145	11.2	228	9510	7.6	75
29				10.06	14.6	145	145	11.2	435	9000	7.8	80
30				9.94	12.9	150	150	9	431	8900	6.6	85
AVERAGE							0					

NOV 2010

TEMP EAST	W. BIOMAT TSS WEST	DO WEST	FLOW WEST	TEMP WEST	E. CLAR PHENOL EC	TSS EC	W. CLAR PHENOL WC	TSS WC	FEED TSS	E. CLAR REC. TSS	W. CLAR REC. TSS
75	14100	7.2	75	77	0.004	50	0.003	17	185	17130	22730
75	13480	7	80	79	0.007	20	0.005	15	93	18050	22340
77	12580	6.9	95	79	0.008	32	0.006	17	123	18170	22550
77	12140	6.7	100	79	0.008	36	0.003	27	133	18760	22740
74	12070	8.7	80	75	0.007	30	0.005	20	170	16840	22420
74	12240	8.7	80	75	0.004	60	0.006	30	200	16840	22420
74	12730	7.4	80	75	0.008	62	0.004	37	220	16840	22420
75	12470	6.8	100	77	0.007	48	0.005	35	147	17800	22960
75	12760	6.8	90	77	0.008	34	0.005	24	123	17530	23570
73	13730	7.1	70	77	0.007	26	0.005	20	127	17350	23290
73	13580	7.2	70	75	0.006	44	0.004	28	175	17140	22850
75	13440	7.2	80	77	0.01	46	0.006	24	175	16720	22460
75	13420	7.1	85	77	0.009	26	0.004	9	155	16720	22460
75	12970	7.1	85	77	0.01	38	0.008	15	190	16720	22460
77	12930	6.7	85	79	0.01	38	0.007	26	180	17450	22980
77	13840	6.5	60	79	0.006	30	0.002	20	185	17310	23000
75	12900	6.5	100	77	0.012	52	0.008	52	225	18590	24600
77	13170	6.1	100	81	0.011	38	0.01	28	195	19680	26930
77	14550	6.1	90	80	0.011	34	0.008	38	165	17660	24530
77	13890	6	70	81	0.019	36	0.024	31	210	17660	24530
77	14770	6	70	81	0.005	32	0.001	29	170	17660	24530
77	14590	6	70	81	0.009	64	0.008	32	190	18880	25540
77	14150	6.1	75	81	0.003	44	0.002	42	135	18950	25000
77	13890	6.1	80	81	0.012	38	0.008	32	165	18610	26010
77	13260	6.1	80	81	0.008	60	0.008	56	175	18610	26010
77	13610	6.1	85	81	0.006	24	0.004	40	150	18610	26010
75	15770	5.6	80	78	0.015	70	0.01	28	120	18610	26010
73	16190	5.5	75	77	0.004	34	0.011	66	170	18610	26010
75	15750	5.2	80	79	0.006	30	0.006	87	137	17300	28170
77	15550	4.9	85	79	0.008	20	0.007	100	180	17520	27330

DEC 2010

DAY	OLD STILL PH old	NH3 old	FLOW old	NEW STILL PH new	NH3 new	FLOW new	Total Flow	FEED NH3 Feed	PHENOL Feed	E. BIOMAT TSS East	DO EAST	FLOWEAST
1				9.4	12.3	180	180	8.4	406	9120	8.4	100
2				10.03	14.3	170	170	11.8	392	8830	8.4	100
3				10.68	11.8	165	165	9.8	383	9040	8.6	80
4				10.7	15.7	189	189	10.4	506	9140	8.4	80
5				10.39	12.9	190	190	8.1	427	9240	8.4	80
6				11.11	12.9	190	190	8.4	324	9300	9.9	95
7				10.99	7.8	170	170	5	425	9580	8.5	75
8				10.42	10.9	170	170	2.2	325	9240	8.5	100
9				10.24	9	170	170	2	427	9730	8.4	100
10				10.25	10.4	160	160	3.9	357	9390	7.8	100
11				10.26	12.9	140	140	2.8	412	9240	8.4	80
12				9.9	18.2	170	170	2.8	333	9240	8.2	80
13				10.7	11.8	152	152	10.4	372	9660	7.2	85
14				10.52	14	163	163	7.8	277	9870	7.6	75
15				9.54	14	113	113	5.3	240	9770	7.6	75
16				10.44	14.2	152	152	7	249	9530	6.6	90
17				9.8	14	161	161	11.8	306	9360	6.6	90
18				10.68	12.6	160	160	11.2	338	9670	8.1	65
19				10.29	12.9	140	140	8.4	327	9250	8.7	80
20				10.38	13	147	147	10	330	9150	6.5	80
21				10.6	13.2	161	161	13.2	357	9660	6.2	80
22				10.61	14.8	160	160	10.6	305	9700	6.2	80
23				11.08	10.9	152	152	11.5	273	9500	6.2	80
24				9.31	11.5	170	170	11.5	335	9240	6.2	80
25				9.5	7.5	140	140	15	204	9730	6.2	75
26				10.77	5	150	150	7.5	218	9240	6.2	75
27				10.08	16	145	145	12.6	193	9990	6.2	80
28				10.68	14.3	166	166	10.4	149	9570	6.1	80
29				10.06	15.7	180	180	14.6	171	9130	8.2	100
30				10.45	16	180	180	41.4	205	9180	7.2	100
31				10.64	12	170	170	25.5	231	9190	6	70
AVERAGE												

DEC 2010

TEMP EAST	W. BIOMAT TSS WEST	DO WEST	FLOW WEST	TEMP WEST	E. CLAR PHENOL EC	TSS EC	W. CLAR PHENOL WC	TSS WC	FEED TSS	E. CLAR REC. TSS	W. CLAR REC. TSS
75	14530	5.7	100	79	0.008	8	0.008	33	105	18030	28340
75	14860	5.7	100	79	0.005	16	0.004	38	130	17940	29390
75	14580	7.2	80	77	0.007	21	0.008	50	147	18510	26800
75	14860	6.5	80	77	0.016	18	0.014	24	157	18510	26800
75	14240	6.5	80	77	0.014	20	0.011	26	166	18510	26800
75	14670	5.7	95	79	0.008	19	0.011	31	120	18090	26730
72	14960	6.1	75	77	0.007	31	0.008	34	130	18870	27250
78	14970	6	100	79	0.009	44	0.008	40	145	18600	26330
78	12630	6.2	100	79	0.008	26	0.009	18	170	18600	26330
75	14600	5.3	100	81	0.007	50	0.005	32	185	19520	26510
75	14480	5.1	80	78	0.008	44	0.008	36	190	19520	26510
75	14030	5.2	80	78	0.004	42	0.007	42	195	19520	26510
70	14600	5.7	85	77	0.008	24	0.005	18	95	16090	25480
70	14020	6	75	75	0.005	50	0.002	34	150	18120	28820
70	14630	5.8	75	75	0.007	36	0.005	26	185	17680	25280
72	14350	5.2	90	75	0.006	58	0.006	26	190	17660	24460
72	13780	5.2	90	75	0.005	42	0.002	40	235	18680	24800
72	13860	5.3	65	75	0.017	32	0.006	21	167	18680	24800
75	13220	5.6	80	77	0.011	34	0.006	30	165	18680	24800
73	13400	5.8	80	79	0.012	41	0.006	32	195	17580	22340
75	13560	5.9	80	79	0.009	40	0.007	28	170	17010	28910
75	13460	5.9	80	79	0.011	30	0.008	14	240	19440	22080
75	12040	5.9	80	79	0.013	62	0.006	46	245	19290	20900
75	13200	5.9	80	79	0.006	50	0.006	46	190	19290	20900
75	12690	5.9	75	79	0.01	42	0.004	24	160	19290	20900
75	12740	5.9	75	79	0.011	48	0.006	32	170	19290	20900
75	12680	5.9	80	79	0.011	54	0.006	25	170	19290	20900
75	12510	5.9	80	79	0.009	36	0.005	30	140	17180	20600
75	11700	6.6	100	79	0.009	64	0.006	33	225	18500	18470
75	11780	5.9	100	79	0.008	26	0.005	17	160	17720	20910
77	11470	5.9	90	82	0.006	25	0.009	14	167	17720	20910

JAN 2011

DAY	OLD STILL PH old	NH3 old	FLOW old	NEW STILL PH new	NH3 new	FLOW new	Total Flow	FEED NH3 Feed	PHENOL Feed	E. BIOMAT TSS East	DO EAST	FLOWEAST
1				9.81	15.1	170	170	18.2	268	8810	7.5	100
2				10.37	14	180	180	15.4	222	8740	8	100
3				10.69	14	182	182	11.2	238	9360	6.5	100
4				11.35	10.4	170	170	32.5	191	9880	7.4	80
5				11.18	20	192	192	20.4	181	9900	7.1	100
6				10.68	13.4	185	185	12.6	152	10080	7	90
7				10.78	10.4	169	169	14.8	154	10360	7	90
8				10.22	11.2	145	145	12	164	10280	7	90
9				10.44	10.4	126	126	9.8	144	10900	7	90
10				9.86	9.5	154	154	9.2	122	10640	7.9	80
11				10.69	9.2	166	166	7	153	10080	9.6	85
12				10.55	8.1	150	150	7.6	158	10340	8.1	90
13				10.64	10.1	157	157	5	111	10580	7.9	90
14				10.14	9.5	154	154	14	138	10860	7.9	90
15				10.35	7.8	155	155	19.6	154	10920	7.9	90
16				11.12	7.8	154	154	13.4	142	10990	7.9	90
17				10.99	7	120	120	9	128	10590	6.8	85
18				10.79	6.2	122	122	6.4	125	10830	6.6	75
19				9.9	8.7	120	120	2.8	102	11030	7	70
20				10.49	11.2	140	140	1.4	128	10960	9.4	80
21				11.1	7.6	120	120	3.4	156	10360	7.2	80
22				9.8	15.4	110	110	4.2	129	10490	7.2	80
23				10.66	13.4	120	120	5	171	11000	7.2	80
24				10.7	11.2	129	129	5.6	238	10460	7.8	85
25				10.7	7.6	120	120	6.4	189	9980	7.3	80
26				10.01	8.1	139	139	2.2	237	11060	7.3	80
27				9.96	12.6	135	135	6.7	157	11120	7.2	85
28				9.48	8.4	140	140	12.9	254	11460	6.6	70
29				9.51	11.2	125	125	12	276	11210	7.1	85
30				10.22	12.6	130	130	13.4	273	11500	11.2	70
31				10.08	16.5	130	130	10.9	173	10450	7.5	80
AVERAGE												

TEMP EAST	W. BIOMAT TSS WEST	DO WEST	FLOW WEST	TEMP WEST	E. CLAR PHENOL EC	TSS EC	W. CLAR PHENOL WC	TSS WC	FEED TSS	E. CLAR REC. TSS	W. CLAR REC. TSS
78	9840	6	100	84	0.006	31	0.038	880	197	17720	19910
80	9240	6.5	100	84	0.012	17	0.031	400	173	17720	19910
79	9530	6.7	100	82	0.012	62	0.017	23	193	17720	19910
77	10580	6.6	80	82	0.01	60	0.012	19	190	22790	22350
77	10970	6.3	100	82	0.009	72	0.013	30	150	22040	21040
77	11430	6	90	82	0.006	80	0.009	32	180	21420	21280
77	10940	6	90	82	0.008	100	0.009	54	190	23280	21780
77	10990	6	90	82	0.009	105	0.011	48	200	23280	21780
77	12000	6	90	82	0.011	65	0.008	155	170	12280	21780
72	11880	7.2	80	77	0.01	95	0.006	80	185	21220	19200
72	10600	7.2	85	77	0.011	95	0.007	40	90	19880	17660
72	14810	6.9	90	77	0.008	100	0.006	80	100	21020	21100
72	12060	7.2	90	77	0.007	75	0.004	85	110	22420	21220
72	11740	7.2	90	77	0.012	83	0.01	30	175	21120	20960
72	11400	7.2	90	77	0.011	70	0.009	35	150	21120	20960
72	11000	7.2	90	77	0.014	80	0.009	45	160	21120	20960
73	11160	6.7	85	79	0.006	65	0.006	36	125	20700	20503
75	11090	6.7	75	79	0.005	95	0.005	36	580	21120	20560
73	11230	6.9	70	79	0.005	90	0.001	28	170	20400	19740
72	11170	7	80	77	0.005	90	0.000	32	200	20500	18940
72	12980	7	80	77	0.01	55	0.005	22	120	19980	19240
72	12120	7	80	77	0.01	70	0.004	32	125	19980	19240
72	12120	7	80	77	0.01	75	0.004	25	165	19980	19240
70	10830	7	85	75	0.009	120	0.007	24	120	20280	19500
72	10820	6.9	80	77	0.01	100	0.01	28	135	21280	19040
72	11350	6.9	80	77	0.012	105	0.008	44	170	20980	20080
72	11060	6.8	85	77	0.012	80	0.009	47	120	20440	20680
72	11970	7.2	70	75	0.009	80	0.007	28	165	20520	19060
73	12100	6.6	85	77	0.01	100	0.008	30	160	20520	19060
75	16140	6.7	70	78	0.012	75	0.007	55	270	20520	19060
73	10950	6.5	80	79	0.007	35	0.008	24	140	19660	19020

FEB 2011

DAY	OLD STILL PH old	NH3 old	FLOW old	NEW STILL PH new	NH3 new	FLOW new	Total Flow	FEED NH3 Feed	PHENOL Feed	E. BIOMAT TSS East	DO EAST	FLOWEAST
1				9.9	17.4	150	150	10.4	157	10200	7.3	90
2				10.4	8.7	155	155	9.2	178	10780	7.8	95
3				10.78	9.2	180	180	8.7	156	10800	7.6	95
4				11.03	9.5	145	145	5.9	149	10620	7.6	95
5				10.78	10	130	130	3.6	156	10910	7.6	95
6				10.3	13.4	130	130	4.2	177	10900	7.6	95
7				11.11	11.5	145	145	6.7	122	11540	7.7	75
8				11.11	6.7	119	119	4.2	134	11650	7.7	75
9				10.18	9	140	140	7	136	11560	7.7	75
10				9.86	8.1	140	140	5.9	177	11094	7.5	80
11				10.15	14	150	150	6.2	232	11230	7.5	80
12				10.3	11.2	120	120	6.4	253	11230	9.3	90
13				9.22	6.7	145	145	5.3	262	11220	8.9	90
14				10.3	12.6	152	152	5.6	200	11530	8.7	80
15				9.96	10.6	154	154	9	231	11570	6.6	85
16				9.91	10.6	152	152	8.4	285	11280	8.4	95
17				9.74	15.4	161	161	6.2	293	11010	7.6	90
18				10.55	10.06	133	133	7.3	298	10720	7.5	95
19				10.4	11.2	155	155	7	315	10990	7.5	95
20				9.81	11.8	145	145	8.4	301	11020	7.5	95
21				10.67	10.1	145	145	7.8	262	11230	6.8	85
22				10.15	9	150	150	7	244	10960	7.2	85
23				10.35	10.9	170	170	6.4	131	10740	7.2	85
24				11.09	7	130	130	8.1	274	11600	7.2	85
25				10.26	14.3	177	177	12.9	245	11850	6.5	95
26				9.69	14	160	160	8.4	238	11350	6.5	95
27				10.32	11.2	160	160	10.1	288	11620	6.5	95
28				9.77	9.8	151	151	12	209	10240	7	90
29							0					
30							0					
31							0					
AVERAGE												

FEB 2011

TEMP EAST	W. BIOMAT TSS WEST	DO WEST	FLOW WEST	TEMP WEST	E. CLAR PHENOL EC	TSS EC	W. CLAR PHENOL WC	TSS WC	FEED TSS	E. CLAR REC. TSS	W. CLAR REC. TSS
75	10570	6.3	90	81	0.007	37	0.008	25	190	19180	19280
75	11110	6.8	95	79	0.009	80	0.01	42	210	20940	20400
72	10950	6.5	95	77	0.013	110	0.008	34	240	21000	20060
72	10940	6.5	95	77	0.005	75	0.005	18	160	21140	21010
72	11060	6.5	95	77	0.013	62	0.005	18	170	21140	21010
72	10840	6.5	95	77	0.011	60	0.014	16	180	21140	21010
72	11300	6.7	75	77	0.01	35	0.007	24	150	21320	20480
72	11760	7.1	75	75	0.008	90	0.015	28	185	20880	20040
72	11880	7.1	75	75	0.005	125	0.008	44	210	20880	20040
72	12070	7	80	75	0.007	75	0.009	24	165	21580	20380
72	11290	7	80	75	0.008	55	0.008	24	200	21120	20770
72	11460	6.8	90	75	0.01	60	0.007	18	210	21120	20770
73	10950	6.6	90	77	0.011	60	0.009	16	200	21120	20770
73	11840	6.4	80	78	0.011	26	0.015	22	160	22100	21040
73	11580	6.4	85	78	0.009	38	0.011	30	240	21080	19520
75	12180	6	95	81	0.01	54	0.014	50	330	20980	20880
75	10840	6.3	90	81	0.009	50	0.013	18	200	20600	21000
77	10870	5.9	95	82	0.01	24	0.014	21	155	20420	19840
77	10880	5.9	95	82	0.013	24	0.015	20	150	20420	19840
77	12220	5.9	95	82	0.014	20	0.014	6	150	20420	19840
77	12680	5.5	85	82	0.009	36	0.011	32	190	21540	22560
75	12360	5.8	85	81	0.015	26	0.017	16	165	19900	21260
75	11800	5.8	85	81	0.007	12	0.007	12	70	20240	22300
75	13340	5.8	85	81	0.008	260	0.009	310	175	23060	29020
77	15140	4.9	95	81	0.011	55	0.013	220	180	23300	28460
77	14690	4.9	95	81	0.011	55	0.013	220	180	23300	28460
77	15250	4.9	95	81	0.016	55	0.017	150	170	23300	28460
77	12040	5.5	90	82	0.009	22	0.014	70	205	19760	20980

MAR 2011

DAY	OLD STILL PH old	NH3 old	FLOW old	NEW STILL PH new	NH3 new	FLOW new	Total Flow	FEED NH3 Feed	PHENOL Feed	E. BIOMAT TSS East	DO EAST	FLOWEAST
1				10.56	12.9	179	179	9.8	164	10500	8.1	90
2				10.32	13.4	180	180	9.8	175	10000	6	95
3				9.47	15.1	155	155	11.8	258	10090	7.8	100
4				10.12	11.5	150	150	8.7	277	10340	5.4	90
5				10.54	16.5	180	180	8.1	323	10390	5.3	100
6				11.39	12.6	180	180	7.3	342	10050	7.6	100
7				10.23	14.6	170	170	9.2	316	9850	5.8	100
8				9.98	10.9	177	177	9.5	322	10010	5.6	100
9				10.38	11.2	170	170	8.7	316	10040	5.5	100
10				10.71	8.4	181	181	7	313	9650	5.4	110
11				10.28	10.1	180	180	7.8	329	9960	5.9	110
12				9.16	19	180	180	9.8	316	9750	5.9	110
13				10.33	15.4	165	165	11.2	315	10050	5.9	110
14				11.27	9.8	180	180	9.5	385	10270	5.2	100
15				10.86	10.6	180	180	4.2	305	10230	5.6	100
16				10.45	9.8	180	180	4.2	237	10890	5.6	100
17				10.47	9.2	180	180	6.7	269	10980	5.5	100
18				9.9	14.8	175	175	3.9	358	10820	5.2	100
19				9.9	20	175	175	6.2	335	10940	5.2	100
20				10.71	11.8	140	140	9.2	394	10250	5.2	100
21				11.61	8.7	150	150	8.4	291	11850	5.2	100
22				11.17	9	180	180	5.3	326	11670	5.2	100
23				10.2	10.4	130	130	6.2	268	11560	6.7	95
24				9.92	8.4	145	145	8.4	211	11570	5.1	85
25				9.71	8.4	155	155	11.5	238	11750	5.1	85
26				10.44	8.1	155	155	3.9	216	10770	7.7	85
27				10.71	8.4	175	175	3.9	227	10880	7.6	84
28				11.02	11.8	174	174	2.1	182	10600	5.6	90
29				11.09	11.2	172	172	5.9	153	11010	5.6	90
30				10.47	11.2	175	175	3.9	59	11100	5.9	100
31				11.28	7.6	170	170	2.8	59	11230	5.7	100
AVERAGE												

MAR 2011

TEMP EAST	W. BIOMAT TSS WEST	DO WEST	FLOW WEST	TEMP WEST	E. CLAR PHENOL EC	TSS EC	W. CLAR PHENOL WC	TSS WC	FEED TSS	E. CLAR REC. TSS	W. CLAR REC. TSS
75	11700	6.1	90	81	0.012	22	0.012	28	210	19620	20960
75	10870	6.1	95	81	0.013	28	0.015	22	215	19600	21040
79	11170	5.4	100	83	0.015	24	0.015	22	185	18860	20940
79	11720	5.8	90	84	0.015	10	0.013	23	260	20400	21060
77	12210	5.6	100	80	0.016	19	0.017	22	210	20400	21060
77	12120	5.4	100	80	0.018	14	0.013	19	185	20400	21060
75	12290	5.9	100	79	0.013	28	0.014	46	260	20840	22760
75	12330	5.7	100	79	0.017	28	0.013	30	230	20800	22620
75	12140	5.6	100	79	0.014	46	0.012	24	190	20700	23460
75	11730	5.7	110	81	0.017	18	0.014	26	160	20400	22780
75	12820	5.7	110	79	0.014	38	0.013	24	280	22320	20940
75	11280	5.7	110	79	0.013	68	0.016	36	270	22320	20940
75	12130	5.7	110	79	0.012	28	0.012	18	125	22320	20940
79	11560	4.9	100	84	0.017	24	0.018	28	195	20420	24060
79	12380	5.1	100	84	0.012	40	0.014	30	190	21260	24080
79	13340	5.1	100	84	0.014	8	0.013	32	165	20840	24140
79	13310	5.5	100	82	0.019	34	0.014	40	190	21100	24100
79	12820	5.4	100	84	0.02	14	0.019	22	125	21440	23800
79	12880	5.4	100	84	0.018	18	0.016	28	130	21440	23800
79	12450	5.4	100	84	0.018	48	0.021	90	190	21440	23800
79	13790	5.4	100	84	0.014	28	0.014	36	190	21900	23360
79	14400	5.4	100	84	0.016	30	0.018	48	175	22540	24340
79	13650	5.1	95	84	0.013	28	0.017	82	220	21920	25160
79	13800	5.4	85	82	0.021	24	0.019	34	160	22070	24450
79	13960	5.4	85	82	0.008	14	0.016	37	135	21320	23300
77	15363	5.6	85	82	0.014	22	0.018	38	170	21320	23300
77	14260	5.9	85	82	0.015	20	0.013	38	180	21320	23300
77	12580	5.9	90	81	0.000	34	0.000	28	182	20980	22180
77	12600	5.9	90	81	0.01	30	0.01	36	155	20800	23140
75	13230	5.9	100	81	0.002	30	0.007	38	133	20800	23140
77	12620	5.9	100	81	0.004	36	0.003	46	88	20060	21620

APR 2011

DAY	OLD STILL PH old	NH3 old	FLOW old	NEW STILL PH new	NH3 new	FLOW new	Total Flow	FEED NH3 Feed	PHENOL Feed	E. BIOMAT TSS East	DO EAST	FLOWEAST
1				10.68	9.5	178	178	4.2	55	11140	5.7	100
2				9.5	7.8	170	170	5.3	106	11040	5.7	100
3				9.03	9.5	170	170	5.3	85	11250	5.7	100
4				10.15	13.4	155	155	8.4	154	11190	5.2	90
5				11.24	5.9	170	170	5.9	139	11230	6.1	90
6				10.41	10.6	175	175	5.6	175	11000	6.1	90
7				10.72	10.6	178	178	7.3	203	11350	6.1	90
8				11.03	7.6	140	140	5.6	195	11040	5.6	95
9				9.96	9.8	140	140	5.9	108	11090	5.6	95
10				10.21	14.8	130	130	8.4	118	11240	5.6	95
11				11.34	9.2	154	154	10.1	256	11490	5.6	95
12				11.27	11.2	178	178	8.7	244	11720	5.6	95
13				10.8	9.8	130	130	7.6	268	11650	5.6	95
14				10.31	9	150	150	5.6	277	11650	5.6	95
15				9.41	6.4	120	120	5.6	274	9930	5.6	95
16				10.26	13.4	145	145	5.6	287	9270	8.6	85
17				6.78	105	160	160	11.8	237	9200	6.6	85
18				10.36	14	150	150	17.6	230	11380	6.6	85
19				10.18	12	184	184	14.3	220	10610	4.8	85
20				10.18	9	130	130	12.3	177	10380	4.8	100
21				10.42	12	150	150	10.6	215	10860	6.2	100
22				10.8	10.1	147	147	11	234	10830	5.8	85
23				10.73	9.8	120	120	6.7	240	9990	5.8	85
24				9.95	9.5	160	160	9.5	262	10220	5.7	80
25				9.6	15.4	100	100	13.2	143	11870	5.4	80
26				9.9	16.2	150	150	12.6	212	12290	5.4	80
27				10.43	12	132	132	11.2	242	12010	5.4	90
28				10.21	12.9	130	130	9.8	175	11770	6.6	90
29				10.4	9.2	133	133	9.2	225	11730	6.6	90
30				10.22	8.4	130	130	8.4	163	12020	9.5	80
31							0					
AVERAGE												

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 4
ATLANTA FEDERAL CENTER
61 FORSYTH STREET
ATLANTA, GA 30303-8960

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APR 2011

TEMP EAST	W. BIOMAT TSS WEST	DO WEST	FLOW WEST	TEMP WEST	E. CLAR PHENOL EC	TSS EC	W. CLAR PHENOL WC	TSS WC	FEED TSS	E. CLAR REC. TSS	W. CLAR REC. TSS
77	12650	5.9	100	81	0.003	40	0.002	48	66	20560	22820
77	12630	5.9	100	81	0.014	36	0.009	52	76	20560	22820
77	13320	5.9	100	81	0.006	44	0.004	30	118	20560	22820
77	13900	5.8	90	81	0.009	18	0.01	22	106	20060	19520
77	12950	6.1	90	81	0.021	32	0.012	28	160	19580	21960
77	12880	6.1	90	81	0.011	38	0.008	46	147	19620	22300
77	13240	6.1	90	81	0.011	23	0.017	34	127	20520	22280
79	12630	5.7	95	84	0.01	32	0.018	30	165	20080	22380
79	12440	5.7	95	84	0.012	32	0.016	30	180	20080	22380
79	12380	5.7	95	84	0.014	34	0.019	30	170	20080	22380
79	13240	5.7	95	84	0.012	17	0.022	27	163	20980	22700
79	13630	5.7	95	84	0.006	23	0.013	42	590	20800	23200
79	13930	5.7	95	84	0.009	20	0.012	54	173	20580	23560
79	14170	5.7	95	84	0.011	10	0.012	56	150	21360	22660
79	13870	5.7	95	84	0.008	22	0.014	67	155	20520	22920
73	12940	6	85	79	0.009	24	0.013	60	160	20520	22920
73	13460	6	85	79	0.01	22	0.012	68	165	20520	22920
73	13300	6	85	79	0.007	28	0.009	30	165	19200	21600
72	13150	5.9	85	77	0.012	18	0.014	18	85	18140	20380
72	12980	5.9	100	77	0.004	31	0.007	26	110	19640	21300
77	13290	5.7	100	81	0.008	28	0.009	26	113	20180	23600
77	13650	5.5	85	81	0.011	20	0.012	33	165	21540	23360
77	13720	5.5	85	81	0.011	22	0.013	28	170	21540	23360
79	12880	5.7	82	82	0.011	28	0.009	22	160	21540	23360
79	15270	5.8	80	82	0.01	16	0.011	28	175	21120	23520
79	15270	5.8	80	82	0.004	14	0.006	26	125	21300	22900
77	13760	5.9	90	81	0.009	10	0.009	14	147	20380	22760
77	13880	6.1	90	81	0.004	24	0.005	16	153	21000	23180
77	13600	6.1	90	81	0.01	16	0.009	22	167	21220	22520
77	13580	6.5	80	81	0.005	28	0.004	34	230	21220	22520