

Effluent Quality Assessment

Players Club South Wastewater Treatment Facility

St. Johns County

NPDES #FL0044245

Sampled March 17, 2008

August 2008

Biology Section
Bureau of Laboratories
Division of Resource Assessment and Management

Quality Manual No. 870346G
NELAC Certification No. E31780

Players Club South Wastewater Treatment Facility, 5250 Palm Valley Road, Ponte Vedra Beach, St. Johns County, Florida, 32082. NPDES #FL0044245. Effluent samples for this facility were collected on March 17, 2008.

Introduction

Players Club South Wastewater Treatment Facility (WWTF) is an existing 0.70 million gallons per day (MGD) annual average daily flow (AADF) permitted capacity conventional activated-sludge domestic wastewater treatment facility with high level disinfection. Treated effluent is disposed via two methods. The primary method is by land application through Reuse System R-001. R-001 is an existing 0.70 MGD AADF permitted capacity slow-rate public-access irrigation system located at the Valley Golf Course. The secondary (alternative) method of disposal is discharge of effluent to the Class III Marine waters of the Intracoastal Waterway through the limited-wet-weather (LLW) outfall, Outfall D-001. The outfall is approximately 3 m (10 feet) in length and discharges at a depth of approximately 1.5 m (5 feet). The point of discharge is located approximately at latitude 30° 10' 16" N, longitude 81° 24' 15" W. Discharge through Outfall D-001 is intermittent and rainfall dependent and is authorized only when the dilution ratio (stream flow divided by LWW discharge flow) equals or exceeds the minimum stream dilution factor (SDF) of 75. The AADF to surface waters, from March 2007 through February 2008, was 0.17 MGD. Players Club South Wastewater Treatment Facility consists of the following units:

- A static screening unit equipped with a trash trough;
- One aerated surge tank;
- One aeration tank;
- One secondary clarifier;
- One disc cloth- membrane filtration unit;
- One baffled chlorine contact chamber;
- One aerobic digester;
- One 5.0 million gallon unlined storage pond for reclaimed water;
- One 1.47 million gallon lined reject pond;
- One set electronic surveillance equipment & backup power.

Wastewater is treated to secondary standards prior to reuse. Liquid hypochlorite is used for chlorination. The effluent is not chemically dechlorinated. The domestic residuals are treated to meet Class B stabilization requirements and land applied.

The facility has no Administrative Orders, Consent Orders nor mixing zones. A review of discharge monitoring report (DMR) data from December 2006 to December 2007 revealed that the facility reported low percent removal of BOD, which occurred in July, September, October, November, and December. An apparent reporting error, noted by the FDEP NE District reviewer, will be followed up by FDEP NE District personnel. (Facility information provided by Edward Jamro of FDEP NE District.)

Methods

Samples for chemical analyses and bioassays were collected, respectively, from the EFA-1 and EFD-1 NPDES sampling points for Outfall D-001 by Tom Kallemeyn and Brian Kirts (FDEP Northeast District) following DEP-SOP-001/01 FS 2400 Wastewater Sampling. All DEP SOPs are available on the web at: http://www.floridadep.org/labs/qa/sops.htm.

See Appendix A for the completed chain of custody form.

The 48-hour acute screening toxicity tests and algal growth potential (AGP) test were performed following internal DEP SOPs TA07_01, TA07_02, and TA08_01 through TA08_09. All internal DEP SOPs are available on the web at: http://www.floridadep.org/labs/cgi-bin/sop/biosop.asp.

Although the 48-hour acute screening toxicity test does not reflect the required permit conditions, passing test results provide confidence that the required permit conditions would likely be met.

An aliquot of the AGP sample was salinity adjusted to meet the minimum salinity requirements of the test species. Both a freshwater and a marine AGP test were performed.

Toxicity Test Results

Tests were performed March 18 - 20, 2008.

Ceriodaphnia dubia 48-hour acute screening bioassay –	LC_{50} > 100%, 0% mortality* in 100% sample at 48 hours
Cyprinella leedsi 48-hour acute screening bioassay –	LC_{50} > 100%, 0% mortality* in 100% sample at 48 hours

The bioassay sample was not acutely toxic to the test organisms.

See Appendix B for bioassay bench sheets. See Appendix C for results of the last 20 standard reference toxicant (SRT) tests and the bench sheets and statistical analyses of the SRT tests that correspond to these facility tests. See Appendix D for test organism receipts.

*NOTE: In a 48-hour acute screening test of 100% effluent, mortality of <20% provides confidence that the effluent meets the acute toxicity criterion of Florida's Surface Water Quality Standards (Rule 62-302.500 (1)(a)4, F.A.C.). Mortality between 20-50% indicates low to moderate levels of toxicity, and further action may be required. Mortality of >50% indicates that the effluent fails to meet the minimum requirement to discharge to waters of the state (Rule 62-4.244(3)(a), F.A.C.).

Algal Growth Potential

The effluent Algal Growth Potential (AGP) was 85.5 mg dry wt/L of the unicellular green alga, *Pseudokirchneriella subcapitata*, formerly known as *Selenastrum capricornutum*. Raschke and Shultz (1987) found that AGP values above 5.0 mg dry weight/L represent a "problem" threshold for fresh receiving waters, implying nutrient enrichment. The analytical chemistry suggests that the effluent is nitrogen-limited. The predicted AGP based on inorganic nitrogen concentrations was 570.4 (±20%) mg dry wt/L (Table 1; Miller et al. 1978).

The effluent Algal Growth Potential (AGP) was 3.0 mg dry wt/L of the saltwater species *Dunaliella tertiolecta.* Raschke and Shultz found that AGP values above 10.0 mg dry weight/L represent a "problem" threshold for marine receiving waters, implying nutrient enrichment (personal communication with Ron Raschke USEPA Region 4, 1987). One potential reason for such low growth in the salinity-adjusted sample is precipitation of enough orthophosphate by the added salts that the sample became extremely phosphorus-limited (Manahan 1994).

See Table 1 for AGP results.

Chemistry Results

Total residual chlorine (TRC) was detected in the bioassay sample in the field (0.01 mg/L) and in the laboratory (0.13 mg/L). Total ammonia (0.569 mg/L) was also detected in the bioassay sample. Total ammonia was not detected in the sample collected and preserved for chemical analysis.

Copper, nickel and zinc were detected in the effluent at levels that comply with Class III marine water quality criteria (62-302.530, F.A.C.). Arsenic, iron, and lead were detected between their respective laboratory method detection limits (MDL) and practical quantitation limits (PQL). Atrazine, calcium, and magnesium were also detected in the effluent.

Total Residual Chlorine (7.8 mg/L), detected in the effluent sample from the EFA-1 NPDES sampling point, exceeded Class III Marine standards (≤ 0.01 mg/L; 62-302.530(18), F.A.C.) but did not exceed the permit limit (≥ 1.0 mg/L) for TRC at the EFA-1 NPDES sampling point.

See Table 2 for results of analytes detected in the effluent, and corresponding limits. See Appendix E for a complete list of chemical analyses performed. See Appendix F for bioassay instrument identification.

Conclusion

The effluent sample collected from the EFD-1 NPDES sampling point for Outfall D-001 for this facility on March 17, 2008, was not acutely toxic to either test species during the 48-hour acute screening bioassays. The effluent AGP result was considerably greater than the "problem" threshold for freshwater receiving waters. The salinity-adjusted AGP was less than the "problem" threshold for marine receiving waters (likely the result to the precipitation of nutrients by the salt addition). Nutrient enrichment in the receiving water is likely not an issue due to the dilution of the effluent required prior to discharge. Total Residual Chlorine (7.8 mg/L) was detected at levels that exceed Class III Marine standards (≤ 0.01 mg/L) (62-302.530, F.A.C.), but did not exceed the permit limit (≥ 1.0 mg/L) for TRC at the EFA-1 NPDES sampling point. Other effluent water quality constituents did not exceed any applicable water quality standards or violate any permit conditions.

Literature Cited

Manahan, S. E. 1994. Environmental Chemistry, 6th edition. Lewis Publishers, USA. 811 pp

Miller, W. E., T. E. Maloney, and J. C. Greene. 1978. The *Selenastrum capricornutum* Printz algal assay bottle test. EPA-600/9-78-018. U. S. EPA, Cincinnati, Ohio. 126 p.

Raschke, R. L. and D. A. Schultz. 1987. The use of the algal growth potential test for data assessment. J. Wat. Poll. Cont. Fed. 59(4): 222-227.

Table 1a. Measured and predicted algal growth potential (AGP; mg dry weight/L) for total soluble inorganic nitrogen (TSIN) and total nitrogen (TN) limitation of the freshwater species *Pseudokirchneriella subcapitata* and ratios of nitogen to phosphorus for samples collected from Players Club South WWTF on March 17, 2008.

Players Club South Wastewater Treatment Facility					
Location	AGP (measured)	Predicted AGP (TSIN) ± 20%	Predicted AGP (TN) ± 20%	Inorganic N:P ratio	Total N:P ratio
Effluent	85.5	570.4 ± 114.1	627.0 ± 125.4	5.2	5.7

Table 1b. Measured (AGP; mg dry weight/L) of the saltwater species *Dunaliella tertiolecta* and ratios of nitrogen to phosphorus for samples collected from Players Club South WWTF on March 17, 2008.

Players Club South Wastewater Treatment Facility			
Location	AGP (measured)	Inorganic N:P ratio	Total N:P ratio
Effluent	3.0 U	5.2	5.7

Table 2. Effluent limits, Class III Criteria for predominantly marine waters and chemical data for samples collected from Players Club South WWTF on March 17, 2008.

Players Club South Wastewater Treatment Facility NPDES# FL0044245	Class III Criteria	Effluent Limits	Effluent	
Organic Constituents (µg/L)				
Atrazine	-		0.19	I
Metals (µg/L unless otherwise noted)				
Aluminum	≤ 1500	-	60	U
Arsenic	≤ 50	-	0.52	I
Cadmium	≤ 8.8	-	0.02	U
Calcium (mg/L)	-	-	70.7	
Chromium-III	-	-	1	U
Copper	≤ 3.7	-	2.2	
Iron	≤ 300	-	76	I
Lead	≤ 8.5	-	0.27	I
Magnesium (mg/L)	-	-	31.2	
Mercury	≤ 0.025	-	-	
Nickel	≤ 8.3	-	1.52	
Selenium	≤ 71	-	0.5	U
Silver	≤ 2.3	-	0.025	U
Zinc	≤ 86	-	68	
Nutrients (mg/L)				
Ortho-phosphate	-	Report	2.9	A
Total Phosphorus	-	Report p	2.9	
Total Ammonia	-	Report p	0.01	U
Un-ionized Ammonia	-	-	≤ 0.02	c
Nitrate and Nitrite	-	-	15	
Total Kjeldahl Nitrogen	-	≤ 10 sp	1.5	J
Organic Nitrogen	-	Report p	1.492	c
Total Nitrogen	-	Report p	16.5	c
General Physical and Chemical Parameters				
Dissolved Oxygen (mg/L)	≥ 4.0	-	7.5	
pH (SU)	6.5 - 8.5 s	6.5 - 8.5 s	7.3	
Conductivity (µmhos/cm)	-	-	1690	
Temperature °C	-	-	23.5	
Salinity	-	-	0.88	c
Total Residual Chlorine (mg/L)	≤ 0.01	≥ 1.0 s	7.8	*
Chlorophyll a (µg/L) - Corrected	-	-	0.55	U
Phaeophytin (µg/L)	-	-	0.24	U
Total Suspended Solids (mg/L)	-	≤ 5	4	U
CBOD, 5 day (mg/L), N - inhibited	-	≤ 60 sp	6.6	
Flow (MGD)	-	≤ 0.7 a	0.17	a
Hardness (mg $CaCO_3$)	-	-	305.02	c

Value exceeds the Class III Water Quality Criteria or permit limits

a - Annual average
b - Value is calculated based on hardness
c - Value is calculated
p - permit limit based on flow proportioned composite sample
s - Single sample
t - Shall not exceed 29 NTUs above background
A - Value reported is the mean of two or more determinations
I - The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit
J - Estimated value
U - Material analyzed for but not detected; value reported is the method detection limit
* - Value does not violate permit limit at EFA-1 sampling point

Florida Department of Environmental Protection

Central Laboratory Sample Submittal Form

Event ID *

Request Number: RQ-2008-03-03-28
Players Club South WWTF

Requester: Jennifer Paris
Field Report Prepared By: Tom Kallemeyn
Collected By: Tom Kallemeyn Brian Kirk
Send Final Report To Tom Kallemeyn
Sampling Agency: DEP NED

Customer: NE-DIST
Project ID: FYI3
PMAS: 1143

Lab ID *	Location	Comp / Grab	Collection (begin) Date Time (Eastern) Central	Collection (end) Date Time Eastern Central	Bottle Group(s)**
	Players Club WWTP	☐ Comp ☑ Grab	3/17/08 12:30		A
	Field ID	Tot Res Chlorine (mg/L) 7.8	Diss Oxygen (mg/L) 7.54	Storet Station Number	
	Matrix (Include type e.g. Salt, Fresh, etc) Effluent	Temp (C) 23.46	pH 7.27	Sample Depth ☐ m ☐ ft —	☐ Salinity (PPTh) ☑ Sp Conductance (umho/cm) 1690	NPDES Number
	Latitude o ' "	Longitude o ' "	Comments		

Lab ID *	Location	Comp / Grab	Collection (begin) Date Time (Eastern) Central	Collection (end) Date Time Eastern Central	Bottle Group(s)**
	Equipment Blank	☐ Comp ☑ Grab	3/17/08 12:45		B
	Field ID	Tot Res Chlorine (mg/L) —	Diss Oxygen (mg/L) —	Storet Station Number	
	Matrix (Include type e.g. Salt, Fresh, etc	Temp (C) —	pH —	Sample Depth ☐ m ☐ ft —	☐ Salinity (PPTh) ☐ Sp Conductance (umho/cm) —	NPDES Number
	Latitude o ' "	Longitude o ' "	Comments		

Lab ID *	Location	Comp / Grab	Collection (begin) Date Time Eastern Central	Collection (end) Date Time Eastern Central	Bottle Group(s)**
	Players club Tox	☐ Comp ☑ Grab	3/17/08 12:35		A
	Field ID	Tot Res Chlorine (mg/L) 0.01	Diss Oxygen (mg/L) —	Storet Station Number	
	Matrix (Include type e.g. Salt, Fresh, etc	Temp (C) —	pH —	Sample Depth ☐ m ☐ ft —	☐ Salinity (PPTh) ☐ Sp Conductance (umho/cm) —	NPDES Number
	Latitude o ' "	Longitude o ' "	Comments Taken from reuse pond pump line		

Lab ID *	Location	Comp / Grab	Collection (begin) Date Time Eastern Central	Collection (end) Date Time Eastern Central	Bottle Group(s)**
		☐ Comp ☐ Grab			
	Field ID	Tot Res Chlorine (mg/L)	Diss Oxygen (mg/L)	Storet Station Number	
	Matrix (Include type e.g. Salt, Fresh, etc	Temp (C)	pH	Sample Depth ☐ m ☐ ft	☐ Salinity (PPTh) ☐ Sp Conductance (umho/cm)	NPDES Number
	Latitude o ' "	Longitude o ' "	Comments 2 bleasy 7:50 3.18.08 Rec'd in TPX J.D.		

Relinquished By:	Date/Time	Shipping Method:	Received By:	Date/Time	Relinquished By:	Date/Time	Received By:	Date/Time
Tom Kallem	3/17/08	DHL					dK	3-18-08/845

* Shaded Areas for Lab use only.

** Please see reverse side for Bottle Group information.

last revised October 1, 2003

FDEP Biology Laboratory - Acute Screen Bioassay Bench Sheets

Facility: Players Club South WWTF

Address: 5250 Palm Valley Road

City: Ponte Vedra Beach **County:** St. Johns

Contact/District: Ersa Ali / Northeast

NPDES Permit #: FL 0044245

LIMS Job #: TLH 1008-03-18-45 **LIMS Sample #:** 108-9216

Lims Data Entry: 3-25-08 MF Data Entry Verification: BH 3-25-08

Sample Collection: Date: 3-17-08 Time: 10:35

Hold Time Start: Date: 3-17-08 Time: 10:35

Comments:
Test 1 - LC50 = >100%; mortality = 0%
Test 2 - LC50 = >100%; mortality: 0%

Instructions (for below): Circle appropriate wording. If yes is circled, complete blanks.

Test Type: Screen
(Static) / Static Renewal / Flow-through
Test Duration: (48) 96 Hours.

Test 1 validation: **Test 1:** SOP TA 07_01
Control survival ≥90%: (Yes) No
Temperature Range ≤3°C: (Yes) No

Test 2 validation: **Test 2:** SOP TA 07_02
Control survival ≥90%: (Yes) No
Temperature Range ≤3°C: (Yes) No

Initial sample handling:
PH adjustment: yes (no) Initial pH: ____ NaOH N HCl N ____ Drops mL Final pH: ____
Aeration: yes (no) Initial DO: ____mg/L Final DO: ____mg/L Duration: ____minutes Rate: ~____bubbles/min
Salinity adjusted (Test 1): yes (no) Initial Salinity: ____ Final Salinity: ____ Salts Hypersaline brine
Salinity adjusted (Test 2): yes (no) Initial Salinity: ____ Final Salinity: ____ Salts Hypersaline brine
Dechlorination: yes (no) ____mL of 0.025N Sodium Thiosulfate per liter of sample. Final TRC: ____

Sample Validation:
Temperature: Shipped ≤6°C (Yes) No Hand Delivered: Cooling (received °C < collected °C) Yes No
Holding Time: ≤36 Hours (Yes) No (Composite-end of collection; grab-when collected; 4 in 24 - time last sample collected)

Light Intensity: 50 - 100 ft. candles
Photoperiod: 16 light 8 dark
Temperature Range °C:
Incubator # 2 min. 25.5 max. 26.4 mean 26.2
Incubator # ____ min. ____ max. ____ mean ____
Room B246 min. 24.6 max. 25.6 mean 25.1

Investigators' Signatures
James Davis
Mark Adams
Marshall Faircloth

Loretta C. Wolfe
REVIEWER

Water Quality Parameters	20% DMW	Moderately Hard Water/ (Well Water)	Salt Water ASW NSW Test 1	Salt Water ASW NSW Test 2	Other:	Original Sample	Method	Measured by	Verified by
Field Total Residual Cl_2 (mg/L):	N/A	N/A	N/A	N/A	—	0.01	Hach	Kg/Brian	MF
Lab Total Residual Cl_2 (mg/L):	<0.03	<0.03				0.13	HACH	JD	MF
Alkalinity (mg/L as $CaCO_3$):	87	147				197	HACH	BA	MF
Hardness (mg/L as $CaCO_3$):	84	144				296	HACH	BA	MF
Total Ammonia (mg/L as N):	<0.017	<0.017				0.569	DENVER	MF	BA
Salinity (ppth):	<1	<1				~0.8	YSI (Mettler)	JD	MF

V 1.4 9/12/05

Appendix B. (continued)

FDEP Biology Laboratory - Bioassay Survival Bench Sheet

LIMS Sample #: 1089266 Test #: 1/2 SOP#:TA 07 01 Test Started: Date 3-18-08 Time: 12:45
Organism/Batch/Age: C. dubia / 11-08/<24 hours Test Ended: Date 3-20-08 Time: 1300
Chamber/Test Volume: 30 / 120 ml Diluent/ Batch: DMW / 3,10.08
Food/Batch: YCT 2-26-07 P.sub 1-31-08 Artemia 0hr ~~3-17-08~~ ~~4-9-08~~ NOT needed mF (mF date prepared entered 3-21-08) 24hr — 48hr — 72hr — Artemia Lot# ~~38438425GR~~ NOT necessary mF
Feeding: (Prior to Test) Prior to Renewal Daily

Concentration	Replicate	Chamber #	Test Hour 0 hr	24 hr	48 hr BR	48 hr AR	72 hr	96 hr
Ctrl	A	A ~~D1~~ 30	5	5	5			
	B	B ~~D2~~ 30	5	5	5			
	C	C ~~A~~ 30	5	5	5			
	D	D	5	5	5			
100%	A	A	5	5	5			
	B	B	5	5	5			
	C	C	5	5	5			
	D	D	5	5	5			
Loaded/Verified by: BA / JD		Checked by:	JD	mF	mF			

m = missing d = dead BR/AR = Before/After Renewal

Comments:

Test Results:
Screening Tests: Report LC50 as >100%, =100%, or <100%.
% mortality in 100% sample: 0 LC50: >100%
If Calculated: 95% CI ______ Method ______
Substitue highest test concentration used if other than 100% (example: Ocean outfall tested at 30% concentration).

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V 2.1 11/01/2005

Appendix B. (continued)

FDEP Biology Laboratory - Bioassay Survival Bench Sheet

LIMS Sample #: 1089266 Test #: 2/2 SOP#:TA 07 02 Test Started: Date 3.18.08 Time: 1250

Organism/Batch/Age: C. leeds / 3.18.08 / 12 days Test Ended: Date 3-20-08 Time: 1330

Chamber/Test Volume: 1000 / 500 ml Diluent/ Batch: Well H2O / 3.18.08

Food/Batch: YCT — P.sub — Artemia 0hr 49-08 24hr — 48hr — 72hr — Artemia Lot# 38438425 GR

Feeding: (Prior to Test) Prior to Renewal Daily

Concentration	Replicate	Chamber #	Test Hour: 0 hr	24 hr	48 hr BR	48 hr AR	72 hr	96 hr
Ctrl	A	D1	5	5	5			
	B	D2	5	5	5			
	C	D3	5	5	5			
	D	D4	3	5	5			
100%	A	D5	5	5	5			
	B	D6	5	5	5			
	C	D7	5	5	5			
	D	D8	5	5	5			
Loaded/Verified by: JD / BA		Checked by:	JD	JD	JD			

m = missing d = dead BR/AR = Before/After Renewal

Comments:

Test Results:

Screening Tests: Report LC50 as >100%, =100%, or <100%.

% mortality in 100% sample: 0 LC50: >100%

If Calculated: 95% CI__________ Method__________

Substitue highest test concentration used if other than 100% (example: Ocean outfall tested at 30% concentration).

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000013

FDEP Biology Laboratory - Bioassay Parameter Bench Sheet

LIMS Sample # : 1089266 **Test #:** 1 of 2

TEST SOP #: TA07_01 **Test Species:** (*Ceriodaphnia dubia*) *Cyprinella leedsi* *Pimephales promelas* *Americamysis bahia* *Menidia beryllina* Other:_____

Concentration Ctrl	0 Hr.	24 Hr.	48 Hr. before renewal	48 Hr. after renewal	72 Hr.	96 Hr.
Replicate	M		A			
pH (S.U.)	8.2		8.1			
Temperature °C	25.2		24.8			
Dissolved Oxygen mg/L	7.8		7.2			
Conductivity (µmhos) mmhos	175		184			
(initials) Measured by:	BA		MF			
(initials) Recorded by:	BA		MF			

Comments:

Concentration 100%	0 Hr.	24 Hr.	48 Hr. before renewal	48 Hr. after renewal	72 Hr.	96 Hr.
Replicate	M		A			
pH (S.U.)	8.2		8.5			
Temperature °C	24.3 (A)		24.7			
Dissolved Oxygen mg/L	8.4 BA BA		7.3			
Conductivity (µmhos) mmhos	1549		1580			
(initials) Measured by:	BA		MF			
(initials) Recorded by:	BA		MF			

Comments: (A) 0 hr DO = 8.1 mg/L MF for BA

Concentration	0 Hr.	24 Hr.	48 Hr. before renewal	48 Hr. after renewal	72 Hr.	96 Hr.
Replicate						
pH (S.U.)						
Temperature °C						
Dissolved Oxygen mg/L						
Conductivity µmhos mmhos						
(initials) Measured by:						
(initials) Recorded by:						

Comments:

Concentration	0 Hr.	24 Hr.	48 Hr. before renewal	48 Hr. after renewal	72 Hr.	96 Hr.
Replicate						
pH (S.U.)						
Temperature °C						
Dissolved Oxygen mg/L						
Conductivity µmhos mmhos						
(initials) Measured by:						
(initials) Recorded by:						

Comments:

000014

FDEP Biology Laboratory - Bioassay Parameter Bench Sheet

LIMS Sample # : D89266 **Test #:** 2 of 2

TEST SOP #: TA07_02 **Test Species:** *Ceriodaphnia dubia* (*Cyprinella leedsi*) *Pimephales promelas* *Americamysis bahia* *Menidia beryllina* Other:_____

Concentration Ctrl	0 Hr.	24 Hr.	48 Hr. before renewal	48 Hr. after renewal	72 Hr.	96 Hr.
Replicate	A	B	C			
pH (S.U.)	7.9	8.1	8.2			
Temperature °C	24.0	24.6	24.3			
Dissolved Oxygen mg/L	8.0	6.9	6.5			
Conductivity (µmhos) mmhos	27.2	27.8	298			
(initials) Measured by:	JD	JD	JD			
(initials) Recorded by:	JD	JD	JD			

Comments:

Concentration 100%	0 Hr.	24 Hr.	48 Hr. before renewal	48 Hr. after renewal	72 Hr.	96 Hr.
Replicate	A	B	C			
pH (S.U.)	8.1	8.2	8.3			
Temperature °C	24.9 (JD) 424	24.6	24.3			
Dissolved Oxygen mg/L	8.7	6.6	6.3			
Conductivity (µmhos) mmhos	1550	1578	1549			
(initials) Measured by:	JD	JD	JD			
(initials) Recorded by:	JD	JD	JD			

Comments:

Concentration	0 Hr.	24 Hr.	48 Hr. before renewal	48 Hr. after renewal	72 Hr.	96 Hr.
Replicate						
pH (S.U.)						
Temperature °C						
Dissolved Oxygen mg/L						
Conductivity µmhos mmhos						
(initials) Measured by:						
(initials) Recorded by:						

Comments:

Concentration	0 Hr.	24 Hr.	48 Hr. before renewal	48 Hr. after renewal	72 Hr.	96 Hr.
Replicate						
pH (S.U.)						
Temperature °C						
Dissolved Oxygen mg/L						
Conductivity µmhos mmhos						
(initials) Measured by:						
(initials) Recorded by:						

Comments:

Appendix C. SRT Bench Sheets and Statistical Analysis

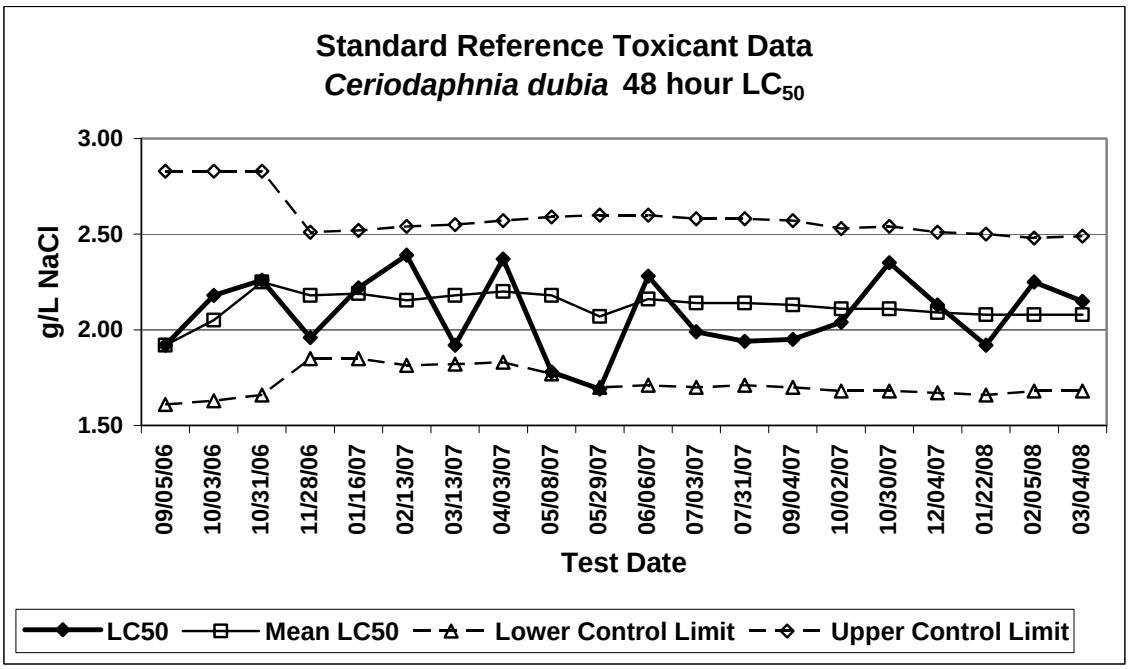
Florida Department of Environmental Protection
Bureau of Laboratories

Standard Reference Toxicant (SRT) Test Data - 48-hour Acute Toxicity
Ceriodaphnia dubia (water flea) - Sodium Chloride (NaCl)

Date	LC50	Mean LC50	Std Dev	Lower Control Limit	Upper Control Limit
09/05/06	1.92	1.92	0.30	1.61	2.83
10/03/06	2.18	2.05	0.30	1.63	2.83
10/31/06	2.26	2.25	0.29	1.66	2.83
11/28/06	1.96	2.18	0.17	1.85	2.51
01/16/07	2.22	2.19	0.17	1.85	2.52
02/13/07	2.39	2.16	0.17	1.82	2.54
03/13/07	1.92	2.18	0.18	1.82	2.55
04/03/07	2.37	2.20	0.18	1.83	2.57
05/08/07	1.78	2.18	0.21	1.77	2.59
05/29/07	1.69	2.07	0.23	1.70	2.60
06/06/07	2.28	2.16	0.22	1.71	2.60
07/03/07	1.99	2.14	0.22	1.70	2.58
07/31/07	1.94	2.14	0.22	1.71	2.58
09/04/07	1.95	2.13	0.22	1.70	2.57
10/02/07	2.04	2.11	0.21	1.68	2.53
10/30/07	2.35	2.11	0.21	1.68	2.54
12/04/07	2.13	2.09	0.20	1.67	2.51
01/22/08	1.92	2.08	0.20	1.66	2.50
02/05/08	2.25	2.08	0.20	1.68	2.48
03/04/08	2.15	2.08	0.20	1.68	2.49

Means are of the last 20 SRT tests.
Lower Control Limit = mean - 2 * Std Dev
Upper Control Limit = mean + 2 * Std Dev

CV = 9.66
EPA reference 75th quartile CV = 29%



Appendix C. (continued)

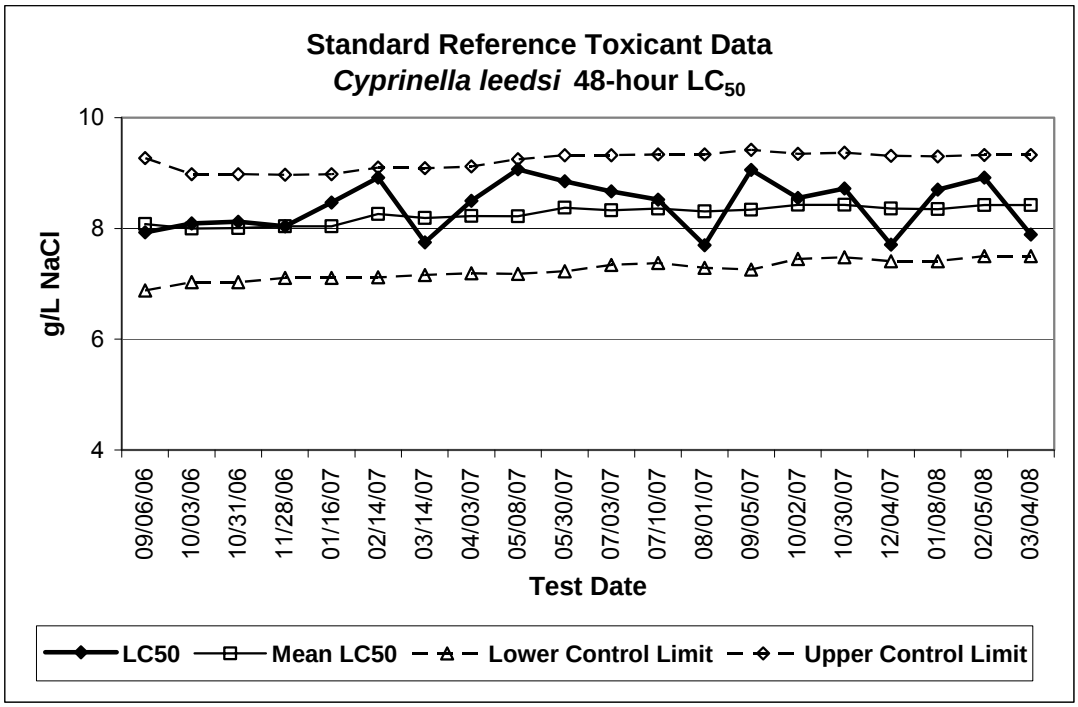
Florida Department of Environmental Protection
Bureau of Laboratories

Standard Reference Toxicant (SRT) Test Data - 48-hour Acute Toxicity
Cyprinella leedsi (bannerfin shiner) - Sodium Chloride (NaCl)

Date	LC50	Mean LC50	Std Dev	Lower Control Limit	Upper Control Limit
09/06/06	7.93	8.08	0.60	6.88	9.27
10/03/06	8.09	8.00	0.49	7.03	8.98
10/31/06	8.12	8.01	0.49	7.03	8.98
11/28/06	8.04	8.04	0.46	7.11	8.97
01/16/07	8.47	8.04	0.20	7.11	8.98
02/14/07	8.92	8.26	0.37	7.12	9.10
03/14/07	7.75	8.19	0.39	7.16	9.09
04/03/07	8.50	8.23	0.38	7.19	9.12
05/08/07	9.07	8.22	0.52	7.18	9.25
05/30/07	8.85	8.37	0.46	7.23	9.32
07/03/07	8.67	8.33	0.50	7.34	9.32
07/10/07	8.52	8.36	0.49	7.38	9.34
08/01/07	7.7	8.31	0.51	7.29	9.34
09/05/07	9.06	8.34	0.54	7.26	9.42
10/02/07	8.55	8.43	0.47	7.45	9.35
10/30/07	8.72	8.43	0.47	7.48	9.37
12/04/07	7.71	8.36	0.47	7.41	9.31
01/08/08	8.7	8.35	0.47	7.41	9.30
02/05/08	8.92	8.42	0.46	7.50	9.33
03/04/08	7.89	8.42	0.46	7.50	9.33

Means are of the last 20 SRT tests.
Lower Confidence Limit = mean - 2 * Std Dev
Upper Confidence Limit = mean + 2 * Std Dev

CV = 5.45
EPA reference 75th quartile CV = 19%



Appendix C. (continued)

FDEP Biology Laboratory - Acute SRT Bench Sheet

Method from EPA-821-R-02-012

Test Organism: *Americamysis bahia* Method 2007.0; *Menidia beryllina* Method 2006.0; *Hyalella azteca* Method 100.1 EPA-600-R-99-064; ~~*Ceriodaphnia dubia* Method 2002.0~~; *Cyprinella leedsi* Method 2000.0; *Pimephales promelas* Method 2000.0; Other: _____

Test Type: 48 hour non-renewal; (96) hour renewal

Test Page 1 of 2

Diluent/ Batch #: DMW / 2.25.08

Toxicant/ Batch#: NaCl / 3309

Test Beginning: Date: 3.4.08 Time: 13:50

Test Ending: Date: 3-8-08 Time: 12:15

Water Quality Parameters	Diluent	Method	Initials
Total Residual Cl_2 (mg/L):	<0.03	Hach	JD
Alkalinity (mg/L as $CaCO_3$):	96	Hach	BA
Hardness (mg.L as $CaCO_3$):	84	Hach	BA
Total Ammonia (mg/L as N):	<0.017	Denver	BA
Salinity (ppth):	21	Mettler	BA

Organism Batch #/ Age: 9.08 / <24hrs

Feeding: Prior to test / Prior to renewal / Daily

Food: YCT / *P.subcapitata* Artemia: Lot # —

Food Batch: 7.26.07 / 1-31-08 0hr — 24hr — 48hr — 72hr —

Chamber size: 30 mL

Test volume: 20 mL per replicate

Conc.	Rep.	Chamber #	Number Live 0 hr / 24 hr / 48 hr			pH (SU) 0 hr / 24 hr / 48 hr			Temperature (°C) 0 hr / 24 hr / 48 hr			D.O. (mg/L) 0 hr / 24 hr / 48 hr			Uncorrected Conductivity µmhos/cm (mmhos/cm) 0 hr / 24 hr / 48 hr		
			48 hr	72 hr	96 hr	48 hr	72 hr	96 hr	48 hr	72 hr	96 hr	48 hr	72 hr	96 hr	48 hr	72 hr	96 hr
Control	A	A	5	5	5	7.9		8.0	24.0		24.0	7.9		7.3	0.173		0.175
	B	B	5	5	5												
	C	C	5	5	5												
	D	D	5	5	5												
1.5	A	A	5	5	5	7.9		7.9	24.0		24.0	7.8		7.3	3.02		3.00
	B	B	5	5	5												
	C	C	5	5	5												
	D	D	5	5	5												
2.0	A	A	5	5	3 2D	8.0		7.9	24.0		24.0	7.7		6.7	3.98		3.91
	B	B	5	5	5												
	C	C	5	5	5												
	D	D	5	5	4 1D												
~~3.0~~ BA 2.5	A	A	5	3 2D	0 3D	8.0		7.9	24.0		24.0	7.4		7.0	4.85		4.86
	B	B	5	4 1D	0 4D												
	C	C	5	4 1D	0 4D												
	D	D	5	4 1D	0 4D												
3.0	A	A	5	2 3D	0 2D	8.0		8.0	24.0		24.0	7.5		7.0	5.81		5.85
	B	B	5	1 4D	0 1D												
	C	C	5	0 5D	—												
	D	D	5	0 5D	—												
4.0	A	A	5	0 5D	—	8.1	7.9	—	24.0	24.1	—	7.7	7.9	—	7.61	7.66	—
	B	B	5	0 5D	—												
	C	C	5	0 5D	—												
	D	D	5	0 5D	—												
	A																
	B																
	C																
	D																
Loaded / measured by:			BA	BA	BA	BA	BA	BA	BA	BA	BA	BA	BA	BA	BA	BA	BA
Recorded by:			BA	BA	BA	BA	BA	BA	BA	BA	BA	BA	BA	BA	BA	BA	BA

Investigators' Signatures

Bruce Anderson

James Davis

Loretta C. Wolfe

REVIEWER

Concentrations prepared by: BA

Loading verified by: JD

Light Intensity: 50-100 Ft. candles

Photoperiod: 16 hours Light / 8 hours dark

Temperature Range °C:

Incubator # 2 min 25.9 max 26.6 mean 26.3

Incubator # ___ min. ___ max. ___ mean ___

Room B246 min 24.2 max 25.6 mean 24.9

000043

PAGE

Comments:

Statistics: Method: Spearman-Karber

48/ 96 hour LC_{50}: 2.15

95% Confidence Interval: lower 2.07 upper 2.24

revised 08/24/06 SP

Appendix C. (continued)

FDEP Biology Laboratory - Acute SRT Bench Sheet

Test Organism: *Americamysis bahia* Method 2007.0; *Menidia beryllina* Method 2006.0; *Hyalella azteca* Method 100.1 EPA-600-R-99-064; *Ceriodaphnia dubia* Method 2002.0; *Cyprinella leedsi* Method 2000.0; *Pimephales promelas* Method 2000.0; Other: _____

Method from EPA-821-R-02-012
Test Type: 48 hour non-renewal / (96) hour renewal
Test Page 1 of 2

Diluent/ Batch #: Well / 3308
Toxicant/ Batch#: NaCl / 3308

Test Beginning: Date: 3-4-08 Time: 1115
Test Ending: Date: 3-8-08 Time: 1210

Water Quality Parameters	Diluent	Method	Initials
Total Residual Cl_2 (mg/L):	<0.03	Hach	JD
Alkalinity (mg/L as $CaCO_3$):	148	Hach	BA
Hardness (mg.L as $CaCO_3$):	142	Hach	BA
Total Ammonia (mg/L as N):	0.017	Denver	BA
Salinity (ppth):	<1	Mettler	BA

Organism Batch #/ Age: 34.08 / 13hrs
Feeding: Prior to test / Prior to renewal / Daily
Food: YCT *P.subcapitata* Artemia: Lot # 384384 6R
Food Batch: — — 0hr 3-04-08 24hr — 48hr 46-08 72hr —
Chamber size: 1000 mL
Test volume: 500 mL per replicate

Conc.			Number Live			pH (SU)			Temperature (° C)			D.O. (mg/L)			Uncorrected Conductivity µmhos/cm (mmhos/cm)		
(T) µg/L mg/L	Rep.	Chamber #	0 hr / 48 hr	24 hr / 72 hr	48 hr / 96 hr	0 hr / 48 hr	24 hr / 72 hr	48 hr / 96 hr	0 hr / 48 hr	24 hr / 72 hr	48 hr / 96 hr	0 hr / 48 hr	24 hr / 72 hr	48 hr / 96 hr	0 hr / 48 hr	24 hr / 72 hr	48 hr / 96 hr
Control	A	B1	10	10	10	7.8		8.2	24.0		24.3	7.8		6.9	0.279		0.277
	B	B2	10	10	10		8.1			24.1			7.1			0.285	
	C																
	D																
6	A	B3	10	9/10	9	7.8		8.1	24.5		24.7	7.7		6.6	11.3		10.6
	B	B4	10	10	10		8.0			24.4			6.6			11.0	
	C																
	D																
7	A	B5	10	9/10	8/10	7.8		8.1	24.8		24.6	7.7		6.6	13.4		12.7
	B	B6	10	10	10		8.0			24.6			6.6			12.9	
	C																
	D																
8	A	B7	10	5/10	4/10	7.8		8.1	25.0		24.6	7.7		6.6	14.9		14.1
	B	B8	10	3/10	5/10		8.0			24.5			6.5			14.3	
	C																
	D																
9	A	B9	10	2/10	1/10	7.8		8.1	25.0		24.7	7.6		6.8	16.2		15.6
	B	B10	10	7/10	1/10		8.0			24.5			6.4			15.6	
	C																
	D																
10	A	B11	10	0/10	—	7.8		-	25.2		-	7.6		—	18.2		—
	B	B12	10	0/10	—		8.0			24.5			6.2			17.5	
	C																
	D																
	A																
	B																
	C																
	D																
Loaded / measured by:			JD	JD	JD	BA	JD	JD	BA	JD	JD	BA	JD	JD	BA	JD	JD
Recorded by:			JD	JD	JD	BA	JD	JD	BA	JD	JD	BA	JD	JD	BA	JD	JD

Investigators' Signatures
James Daniel
Brad Alter
Loretta C. Wolfe
REVIEWER

Concentrations prepared by: BA JD
Loading verified by: BA JD
Light Intensity: 50-100 Ft. candles
Photoperiod: 16 hours Light / 8 hours dark
Temperature Range °C:
Incubator # 2 min. 25.9 max. 26.6 mean 26.3
Incubator # ___ min. ___ max. ___ mean ___
Room B246 min. 24.2 max. 25.6 mean 24.9

Comments:

Statistics: Method: Spearman-Karber
48/96 hour LC_{50}: 7.89
95% Confidence Interval: lower 7.57 upper 8.22

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revised 08/24/06 SP

Appendix C. (continued)

***Ceriodaphnia dubia* Acute Standard Reference Toxicant Test**

DATE: 03-04-08 DURATION: 48 hr TOXICANT: NaCl
SPECIES: C. dubia

RAW DATA: Concentration (g/L)	Number Exposed	Mortalities
.00	20	0
1.50	20	0
2.00	20	3
2.50	20	20
3.00	20	20
4.00	20	20

SPEARMAN-KARBER TRIM: .00%

SPEARMAN-KARBER ESTIMATES: LC50: 2.15
95% LOWER CONFIDENCE: 2.07
95% UPPER CONFIDENCE: 2.24

***Cyprinella leedsi* Acute Standard Reference Toxicant Test**

DATE: 03-04-08 DURATION: 48 hr TOXICANT: NaCl
SPECIES: C. leedsi

RAW DATA: Concentration (g/L)	Number Exposed	Mortalities
.00	20	0
6.00	20	1
7.00	20	2
8.00	20	11
9.00	20	18
10.00	20	20

SPEARMAN-KARBER TRIM: 5.00%

SPEARMAN-KARBER ESTIMATES: LC50: 7.89
95% LOWER CONFIDENCE: 7.57
95% UPPER CONFIDENCE: 8.22

Appendix D. Test Organism Receipts

MBL Aquaculture
4569 Samuel Street
Sarasota, Florida 34233
TEL: (800) 889-0384
FAX: (941) 922-3874
EMAIL: sales@mblaquaculture.com
WEB: www.MBLAquaculture.com

NELAC Accredited

Organism Shipment Record

State of Florida Aquaculture Certificate Number AQ0668007

Date: 3/3/08

Shipped to: FDEP

P.O. No: N/A

Species	Quantity	Age	Brood Number	Temperature	Salinity
Mysidopsis bahia	~~150~~				
Menidia beryllina	150	12 DAYS	SS080220	25°C	20‰
Cyprinella leedsi	150	12 DAYS	CL080220	25°C	
Pimephales promelas	150	6 DAYS	FM080226	25°C	

Packed by: AJ

Shipped Via: FedEx

Notes: _____

Thank you for your order.

Appendix D. (Continued)

MBL Aquaculture
4569 Samuel Street
Sarasota, Florida 34233
TEL: (800) 889-0384
FAX: (941) 922-3874
EMAIL: sales@mblaquaculture.com
WEB: www.MBLAquaculture.com

NELAC Accredited

Organism Shipment Record

State of Florida Aquaculture Certificate Number AQ0668007

Date: 3/17/08

Shipped to: FDEP

P.O. No: N/A

Species	Quantity	Age	Brood Number	Temperature	Salinity
Mysidopsis bahia					
Menidia beryllina					
Cyprinella leedsi	100	11 DAYS	CL080306	25°C	
Pimephales promelas	450	< 24 HRS	FM080316-1550	25°C	

Packed by:

Shipped Via: FedEx

Notes:

Thank you for your order.

Appendix E. Chemical Analyses performed on the effluent from the Player's Club South Wastewater Treatment Facility Outfall D-001, sampled on March 17, 2008.

Date Sampled	Sample ID	Analysis Group	Components	Results	Remarks	Units	MDL	PQL
3/17/2008 12:20	PLAYERS CLUB WWTF	AGP/LN	Algal Growth Potential-Salinity Adjusted	3	U	mg DryWt/L	3	3
3/17/2008 12:20	PLAYERS CLUB WWTF	AGP/LN	Algal Growth Potential	85.5		mg DryWt/L	0.3	0.9
3/17/2008 12:20	PLAYERS CLUB WWTF	Chlorophyll/Grain Size/BOD	Biochemical Oxygen Demand-5 Day,N-Inhib	6.6		mg/L	0.2	2
3/17/2008 12:20	PLAYERS CLUB WWTF	Chlorophyll/Grain Size/BOD	Phaeophytin-a	0.24	U	ug/L	0.24	0.71
3/17/2008 12:20	PLAYERS CLUB WWTF	Chlorophyll/Grain Size/BOD	Chlorophyll-a, Corrected	0.55	U	ug/L	0.55	1.7
3/17/2008 12:20	PLAYERS CLUB WWTF	Toxicology	Bioassay-Acute-Screen-FW-Fish, LC50	100	L	LC50		
3/17/2008 12:20	PLAYERS CLUB WWTF	Toxicology	Bioassay-Acute-Screen-FW-C.dubia, LC50	100	L	LC50		
3/17/2008 12:20	PLAYERS CLUB WWTF	Metals	Zinc	68		ug/L	5	20
3/17/2008 12:20	PLAYERS CLUB WWTF	Metals	Aluminum	60	U	ug/L	60	240
3/17/2008 12:20	PLAYERS CLUB WWTF	Metals	Arsenic	0.52	I	ug/L	0.5	2
3/17/2008 12:20	PLAYERS CLUB WWTF	Metals	Chromium	1	U	ug/L	1	4
3/17/2008 12:20	PLAYERS CLUB WWTF	Metals	Cadmium	0.02	U	ug/L	0.02	0.08
3/17/2008 12:20	PLAYERS CLUB WWTF	Metals	Lead	0.27	I	ug/L	0.2	0.8
3/17/2008 12:20	PLAYERS CLUB WWTF	Metals	Calcium	70.7		mg/L	0.075	0.3
3/17/2008 12:20	PLAYERS CLUB WWTF	Metals	Nickel	1.52		ug/L	0.25	1
3/17/2008 12:20	PLAYERS CLUB WWTF	Metals	Iron	76	I	ug/L	30	120
3/17/2008 12:20	PLAYERS CLUB WWTF	Metals	Magnesium	31.2		mg/L	0.04	0.16
3/17/2008 12:20	PLAYERS CLUB WWTF	Metals	Selenium	0.5	U	ug/L	0.5	2
3/17/2008 12:20	PLAYERS CLUB WWTF	Metals	Silver	0.025	U	ug/L	0.025	0.1
3/17/2008 12:20	PLAYERS CLUB WWTF	Metals	Copper	2.2		ug/L	0.5	2
3/17/2008 12:20	PLAYERS CLUB WWTF	Nutrients	O-Phosphate-P	2.9	A	mg P/L	0.08	0.2
3/17/2008 12:20	PLAYERS CLUB WWTF	Nutrients	TSS	4	U	mg/L	4	16
3/17/2008 12:20	PLAYERS CLUB WWTF	Nutrients	Kjeldahl Nitrogen	1.5	J	mg N/L	0.32	0.8
3/17/2008 12:20	PLAYERS CLUB WWTF	Nutrients	Ammonia-N	0.01	U	mg N/L	0.01	0.02
3/17/2008 12:20	PLAYERS CLUB WWTF	Nutrients	NO2NO3-N	15		mg N/L	0.4	1
3/17/2008 12:20	PLAYERS CLUB WWTF	Nutrients	Total-P	2.9		mg P/L	0.2	0.6
3/17/2008 12:20	PLAYERS CLUB WWTF	Pesticides	Diazinon	0.05	U	ug/L	0.05	0.2
3/17/2008 12:20	PLAYERS CLUB WWTF	Pesticides	Metribuzin	0.1	U	ug/L	0.1	0.4
3/17/2008 12:20	PLAYERS CLUB WWTF	Pesticides	Hexazinone	0.1	U	ug/L	0.1	0.4
3/17/2008 12:20	PLAYERS CLUB WWTF	Pesticides	Fonofos	0.1	U	ug/L	0.1	0.4
3/17/2008 12:20	PLAYERS CLUB WWTF	Pesticides	Atrazine	0.19	I	ug/L	0.05	0.2
3/17/2008 12:20	PLAYERS CLUB WWTF	Pesticides	Phorate	0.05	UJ	ug/L	0.05	0.2
3/17/2008 12:20	PLAYERS CLUB WWTF	Pesticides	Mevinphos	0.2	U	ug/L	0.2	0.8

Appendix E. (continued)

Date Sampled	Sample ID	Analysis Group	Components	Results	Remarks	Units	MDL	PQL
3/17/2008 12:20	PLAYERS CLUB WWTF	Pesticides	Metalaxyl	0.25	U	ug/L	0.25	1
3/17/2008 12:20	PLAYERS CLUB WWTF	Pesticides	Fenamiphos	0.2	UJ	ug/L	0.2	0.8
3/17/2008 12:20	PLAYERS CLUB WWTF	Pesticides	Prometryn	0.15	U	ug/L	0.15	0.6
3/17/2008 12:20	PLAYERS CLUB WWTF	Pesticides	Ethion	0.05	UJ	ug/L	0.05	0.2
3/17/2008 12:20	PLAYERS CLUB WWTF	Pesticides	Butylate	0.2	UJ	ug/L	0.2	0.8
3/17/2008 12:20	PLAYERS CLUB WWTF	Pesticides	Simazine	0.05	U	ug/L	0.05	0.2
3/17/2008 12:20	PLAYERS CLUB WWTF	Pesticides	Parathion Ethyl	0.15	U	ug/L	0.15	0.6
3/17/2008 12:20	PLAYERS CLUB WWTF	Pesticides	Alachlor	0.6	U	ug/L	0.6	2.4
3/17/2008 12:20	PLAYERS CLUB WWTF	Pesticides	Parathion Methyl	0.1	U	ug/L	0.1	0.4
3/17/2008 12:20	PLAYERS CLUB WWTF	Pesticides	Metolachlor	0.5	U	ug/L	0.5	2
3/17/2008 12:20	PLAYERS CLUB WWTF	Pesticides	Ethoprop	0.1	U	ug/L	0.1	0.4
3/17/2008 12:20	PLAYERS CLUB WWTF	Pesticides	Bromacil	0.2	UJ	ug/L	0.2	0.8
3/17/2008 12:20	PLAYERS CLUB WWTF	Pesticides	Azinphos Methyl	0.2	UJ	ug/L	0.2	0.8
3/17/2008 12:20	PLAYERS CLUB WWTF	Pesticides	Norflurazon	0.15	U	ug/L	0.15	0.6
3/17/2008 12:20	PLAYERS CLUB WWTF	Pesticides	Malathion	0.15	U	ug/L	0.15	0.6
3/17/2008 12:20	PLAYERS CLUB WWTF	Pesticides	Chlorpyrifos Methyl	0.1	U	ug/L	0.1	0.4
3/17/2008 12:20	PLAYERS CLUB WWTF	Pesticides	Naled	0.8	U	ug/L	0.8	3.2
3/17/2008 12:20	PLAYERS CLUB WWTF	Pesticides	Ametryn	0.05	UJ	ug/L	0.05	0.2
3/17/2008 12:20	PLAYERS CLUB WWTF	Pesticides	Chlorpyrifos Ethyl	0.05	UJ	ug/L	0.05	0.2
3/17/2008 12:20	PLAYERS CLUB WWTF	Priority Organic Pollutants	2-Chlorophenol	1.1	UJ	ug/L	1.1	4.3
3/17/2008 12:20	PLAYERS CLUB WWTF	Priority Organic Pollutants	4-Nitrophenol	16	U	ug/L	16	65
3/17/2008 12:20	PLAYERS CLUB WWTF	Priority Organic Pollutants	Di-n-octyl phthalate	1.1	U	ug/L	1.1	4.3
3/17/2008 12:20	PLAYERS CLUB WWTF	Priority Organic Pollutants	Endrin aldehyde	3.8	UJ	ug/L	3.8	15
3/17/2008 12:20	PLAYERS CLUB WWTF	Priority Organic Pollutants	Hexachlorobutadiene	3.2	U	ug/L	3.2	13
3/17/2008 12:20	PLAYERS CLUB WWTF	Priority Organic Pollutants	Hexachloroethane	3.2	U	ug/L	3.2	13
3/17/2008 12:20	PLAYERS CLUB WWTF	Priority Organic Pollutants	Benzo(k)fluoranthene	1.1	U	ug/L	1.1	4.3
3/17/2008 12:20	PLAYERS CLUB WWTF	Priority Organic Pollutants	Butyl benzyl phthalate	5.4	U	ug/L	5.4	22
3/17/2008 12:20	PLAYERS CLUB WWTF	Priority Organic Pollutants	Chrysene	1.1	U	ug/L	1.1	4.3
3/17/2008 12:20	PLAYERS CLUB WWTF	Priority Organic Pollutants	Diethyl phthalate	1.1	U	ug/L	1.1	4.3
3/17/2008 12:20	PLAYERS CLUB WWTF	Priority Organic Pollutants	Endosulfan sulfate	1.4	U	ug/L	1.4	5.8
3/17/2008 12:20	PLAYERS CLUB WWTF	Priority Organic Pollutants	Nitrobenzene	2.2	U	ug/L	2.2	8.6
3/17/2008 12:20	PLAYERS CLUB WWTF	Priority Organic Pollutants	2,4-Dichlorophenol	1.1	UJ	ug/L	1.1	4.3
3/17/2008 12:20	PLAYERS CLUB WWTF	Priority Organic Pollutants	2-Nitrophenol	1.1	UJ	ug/L	1.1	4.3
3/17/2008 12:20	PLAYERS CLUB WWTF	Priority Organic Pollutants	3,3'-Dichlorobenzidine	43	U	ug/L	43	170
3/17/2008 12:20	PLAYERS CLUB WWTF	Priority Organic Pollutants	4,4'-DDT	1.4	U	ug/L	1.4	5.8

Appendix E. (continued)

Date Sampled	Sample ID	Analysis Group	Components	Results	Remarks	Units	MDL	PQL
3/17/2008 12:20	PLAYERS CLUB WWTF	Priority Organic Pollutants	4-Chloro-3-methylphenol	1.1	UJ	ug/L	1.1	4.3
3/17/2008 12:20	PLAYERS CLUB WWTF	Priority Organic Pollutants	Endosulfan II	3.8	U	ug/L	3.8	15
3/17/2008 12:20	PLAYERS CLUB WWTF	Priority Organic Pollutants	Pentachlorophenol	3.2	U	ug/L	3.2	13
3/17/2008 12:20	PLAYERS CLUB WWTF	Priority Organic Pollutants	delta-BHC	1.4	U	ug/L	1.4	5.8
3/17/2008 12:20	PLAYERS CLUB WWTF	Priority Organic Pollutants	1,2,4-Trichlorobenzene	1.1	U	ug/L	1.1	4.3
3/17/2008 12:20	PLAYERS CLUB WWTF	Priority Organic Pollutants	2,4-Dimethylphenol	11	UJ	ug/L	11	43
3/17/2008 12:20	PLAYERS CLUB WWTF	Priority Organic Pollutants	2,4-Dinitrophenol	16	U	ug/L	16	65
3/17/2008 12:20	PLAYERS CLUB WWTF	Priority Organic Pollutants	2,4-Dinitrotoluene	1.1	U	ug/L	1.1	4.3
3/17/2008 12:20	PLAYERS CLUB WWTF	Priority Organic Pollutants	2-Methyl-4,6-dinitrophenol	3.2	U	ug/L	3.2	13
3/17/2008 12:20	PLAYERS CLUB WWTF	Priority Organic Pollutants	4,4'-DDE	1.4	U	ug/L	1.4	5.8
3/17/2008 12:20	PLAYERS CLUB WWTF	Priority Organic Pollutants	Acenaphthene	1.1	U	ug/L	1.1	4.3
3/17/2008 12:20	PLAYERS CLUB WWTF	Priority Organic Pollutants	Acenaphthylene	1.1	U	ug/L	1.1	4.3
3/17/2008 12:20	PLAYERS CLUB WWTF	Priority Organic Pollutants	Anthracene	1.1	U	ug/L	1.1	4.3
3/17/2008 12:20	PLAYERS CLUB WWTF	Priority Organic Pollutants	Benzo(a)anthracene	1.1	U	ug/L	1.1	4.3
3/17/2008 12:20	PLAYERS CLUB WWTF	Priority Organic Pollutants	Benzo(a)pyrene	1.1	U	ug/L	1.1	4.3
3/17/2008 12:20	PLAYERS CLUB WWTF	Priority Organic Pollutants	Benzo(b)fluoranthene	1.1	U	ug/L	1.1	4.3
3/17/2008 12:20	PLAYERS CLUB WWTF	Priority Organic Pollutants	Dibenzo(a,h)anthracene	1.1	U	ug/L	1.1	4.3
3/17/2008 12:20	PLAYERS CLUB WWTF	Priority Organic Pollutants	Dieldrin	1.4	U	ug/L	1.4	5.8
3/17/2008 12:20	PLAYERS CLUB WWTF	Priority Organic Pollutants	Endrin	1.4	U	ug/L	1.4	5.8
3/17/2008 12:20	PLAYERS CLUB WWTF	Priority Organic Pollutants	Naphthalene	1.1	U	ug/L	1.1	4.3
3/17/2008 12:20	PLAYERS CLUB WWTF	Priority Organic Pollutants	Phenanthrene	1.1	U	ug/L	1.1	4.3
3/17/2008 12:20	PLAYERS CLUB WWTF	Priority Organic Pollutants	alpha-BHC	1.4	U	ug/L	1.4	5.8
3/17/2008 12:20	PLAYERS CLUB WWTF	Priority Organic Pollutants	4-Bromophenyl phenyl ether	1.1	U	ug/L	1.1	4.3
3/17/2008 12:20	PLAYERS CLUB WWTF	Priority Organic Pollutants	4-Chlorophenyl phenyl ether	2.2	U	ug/L	2.2	8.6
3/17/2008 12:20	PLAYERS CLUB WWTF	Priority Organic Pollutants	Aldrin	1.4	U	ug/L	1.4	5.8
3/17/2008 12:20	PLAYERS CLUB WWTF	Priority Organic Pollutants	Benzo(g,h,i)perylene	1.1	U	ug/L	1.1	4.3
3/17/2008 12:20	PLAYERS CLUB WWTF	Priority Organic Pollutants	Bis(2-chloroethoxy)methane	1.1	U	ug/L	1.1	4.3
3/17/2008 12:20	PLAYERS CLUB WWTF	Priority Organic Pollutants	Bis(2-chloroisopropyl)ether	3.2	U	ug/L	3.2	13
3/17/2008 12:20	PLAYERS CLUB WWTF	Priority Organic Pollutants	Heptachlor	1.4	U	ug/L	1.4	5.8
3/17/2008 12:20	PLAYERS CLUB WWTF	Priority Organic Pollutants	Benzidine	110	U	ug/L	110	430
3/17/2008 12:20	PLAYERS CLUB WWTF	Priority Organic Pollutants	Bis(2-ethylhexyl)phthalate	16	U	ug/L	16	65
3/17/2008 12:20	PLAYERS CLUB WWTF	Priority Organic Pollutants	Di-n-butyl phthalate	5.4	U	ug/L	5.4	22
3/17/2008 12:20	PLAYERS CLUB WWTF	Priority Organic Pollutants	Dimethyl phthalate	11	U	ug/L	11	43
3/17/2008 12:20	PLAYERS CLUB WWTF	Priority Organic Pollutants	Endosulfan I	3.8	U	ug/L	3.8	15
3/17/2008 12:20	PLAYERS CLUB WWTF	Priority Organic Pollutants	Fluorene	1.1	U	ug/L	1.1	4.3

Appendix E. (continued)

Date Sampled	Sample ID	Analysis Group	Components	Results	Remarks	Units	MDL	PQL
3/17/2008 12:20	PLAYERS CLUB WWTF	Priority Organic Pollutants	Hexachlorobenzene	1.1	U	ug/L	1.1	4.3
3/17/2008 12:20	PLAYERS CLUB WWTF	Priority Organic Pollutants	Hexachlorocyclopentadiene	3.2	U	ug/L	3.2	13
3/17/2008 12:20	PLAYERS CLUB WWTF	Priority Organic Pollutants	Isophorone	1.1	U	ug/L	1.1	4.3
3/17/2008 12:20	PLAYERS CLUB WWTF	Priority Organic Pollutants	Phenol	1.1	UJ	ug/L	1.1	4.3
3/17/2008 12:20	PLAYERS CLUB WWTF	Priority Organic Pollutants	Pyrene	1.1	U	ug/L	1.1	4.3
3/17/2008 12:20	PLAYERS CLUB WWTF	Priority Organic Pollutants	gamma-BHC	1.4	U	ug/L	1.4	5.8
3/17/2008 12:20	PLAYERS CLUB WWTF	Priority Organic Pollutants	2,4,6-Trichlorophenol	1.1	U	ug/L	1.1	4.3
3/17/2008 12:20	PLAYERS CLUB WWTF	Priority Organic Pollutants	2,6-Dinitrotoluene	1.1	U	ug/L	1.1	4.3
3/17/2008 12:20	PLAYERS CLUB WWTF	Priority Organic Pollutants	2-Chloronaphthalene	1.1	U	ug/L	1.1	4.3
3/17/2008 12:20	PLAYERS CLUB WWTF	Priority Organic Pollutants	Fluoranthene	1.1	U	ug/L	1.1	4.3
3/17/2008 12:20	PLAYERS CLUB WWTF	Priority Organic Pollutants	Indeno(1,2,3-cd)pyrene	1.1	U	ug/L	1.1	4.3
3/17/2008 12:20	PLAYERS CLUB WWTF	Priority Organic Pollutants	beta-BHC	1.4	U	ug/L	1.4	5.8
3/17/2008 12:20	PLAYERS CLUB WWTF	Priority Organic Pollutants	4,4'-DDD	1.4	U	ug/L	1.4	5.8
3/17/2008 12:20	PLAYERS CLUB WWTF	Priority Organic Pollutants	Bis(2-chloroethyl)ether	1.1	U	ug/L	1.1	4.3
3/17/2008 12:20	PLAYERS CLUB WWTF	Priority Organic Pollutants	Heptachlor epoxide	1.4	U	ug/L	1.4	5.8
3/17/2008 12:20	PLAYERS CLUB WWTF	Priority Organic Pollutants	N-Nitrosodi-n-propylamine	2.2	U	ug/L	2.2	8.6
3/17/2008 12:20	PLAYERS CLUB WWTF	Priority Organic Pollutants	N-Nitrosodimethylamine	2.2	UJ	ug/L	2.2	8.6
3/17/2008 12:20	PLAYERS CLUB WWTF	Nutrients	Dissolved Oxygen	7.54		mg/L		
3/17/2008 12:20	PLAYERS CLUB WWTF	Nutrients	Total Residual Chlorine	7.8		mg/L		
3/17/2008 12:20	PLAYERS CLUB WWTF	Nutrients	pH	7.27				
3/17/2008 12:20	PLAYERS CLUB WWTF	Nutrients	Specific Conductance	1690		umhos/cm		
3/17/2008 12:20	PLAYERS CLUB WWTF	Nutrients	Temperature	23.46		C		
3/17/2008 12:45	EQUIPMENT BLANK	Chlorophyll/Grain Size/BOD	Biochemical Oxygen Demand-5 Day,N-Inhib	0.37	I	mg/L	0.2	2
3/17/2008 12:45	EQUIPMENT BLANK	Metals	Nickel	0.25	U	ug/L	0.25	1
3/17/2008 12:45	EQUIPMENT BLANK	Metals	Lead	0.2	U	ug/L	0.2	0.8
3/17/2008 12:45	EQUIPMENT BLANK	Metals	Aluminum	60	U	ug/L	60	240
3/17/2008 12:45	EQUIPMENT BLANK	Metals	Selenium	0.5	U	ug/L	0.5	2
3/17/2008 12:45	EQUIPMENT BLANK	Metals	Magnesium	0.04	U	mg/L	0.04	0.16
3/17/2008 12:45	EQUIPMENT BLANK	Metals	Silver	0.025	U	ug/L	0.025	0.1
3/17/2008 12:45	EQUIPMENT BLANK	Metals	Arsenic	0.5	U	ug/L	0.5	2
3/17/2008 12:45	EQUIPMENT BLANK	Metals	Copper	0.5	U	ug/L	0.5	2
3/17/2008 12:45	EQUIPMENT BLANK	Metals	Zinc	5	U	ug/L	5	20
3/17/2008 12:45	EQUIPMENT BLANK	Metals	Cadmium	0.02	U	ug/L	0.02	0.08
3/17/2008 12:45	EQUIPMENT BLANK	Metals	Calcium	0.075	U	mg/L	0.075	0.3
3/17/2008 12:45	EQUIPMENT BLANK	Metals	Iron	30	U	ug/L	30	120

Appendix E. (continued)

Date Sampled	Sample ID	Analysis Group	Components	Results	Remarks	Units	MDL	PQL
3/17/2008 12:45	EQUIPMENT BLANK	Metals	Chromium	1	U	ug/L	1	4
3/17/2008 12:45	EQUIPMENT BLANK	Nutrients	Total-P	0.02	U	mg P/L	0.02	0.06
3/17/2008 12:45	EQUIPMENT BLANK	Nutrients	Ammonia-N	0.01	U	mg N/L	0.01	0.02
3/17/2008 12:45	EQUIPMENT BLANK	Nutrients	O-Phosphate-P	0.004	U	mg P/L	0.004	0.01
3/17/2008 12:45	EQUIPMENT BLANK	Nutrients	Kjeldahl Nitrogen	0.08	U	mg N/L	0.08	0.2
3/17/2008 12:45	EQUIPMENT BLANK	Nutrients	NO2NO3-N	0.004	U	mg N/L	0.004	0.01
3/17/2008 12:45	EQUIPMENT BLANK	Nutrients	TSS	4	U	mg/L	4	16
3/17/2008 12:45	EQUIPMENT BLANK	Pesticides	Alachlor	0.57	U	ug/L	0.57	2.3
3/17/2008 12:45	EQUIPMENT BLANK	Pesticides	Mevinphos	0.19	U	ug/L	0.19	0.76
3/17/2008 12:45	EQUIPMENT BLANK	Pesticides	Parathion Methyl	0.095	U	ug/L	0.095	0.38
3/17/2008 12:45	EQUIPMENT BLANK	Pesticides	Fenamiphos	0.19	U	ug/L	0.19	0.76
3/17/2008 12:45	EQUIPMENT BLANK	Pesticides	Hexazinone	0.095	U	ug/L	0.095	0.38
3/17/2008 12:45	EQUIPMENT BLANK	Pesticides	Prometryn	0.14	U	ug/L	0.14	0.56
3/17/2008 12:45	EQUIPMENT BLANK	Pesticides	Metalaxyl	0.24	U	ug/L	0.24	0.96
3/17/2008 12:45	EQUIPMENT BLANK	Pesticides	Malathion	0.14	U	ug/L	0.14	0.56
3/17/2008 12:45	EQUIPMENT BLANK	Pesticides	Ethion	0.048	U	ug/L	0.048	0.19
3/17/2008 12:45	EQUIPMENT BLANK	Pesticides	Chlorpyrifos Methyl	0.095	U	ug/L	0.095	0.38
3/17/2008 12:45	EQUIPMENT BLANK	Pesticides	Atrazine	0.048	U	ug/L	0.048	0.19
3/17/2008 12:45	EQUIPMENT BLANK	Pesticides	Phorate	0.048	U	ug/L	0.048	0.19
3/17/2008 12:45	EQUIPMENT BLANK	Pesticides	Fonofos	0.095	U	ug/L	0.095	0.38
3/17/2008 12:45	EQUIPMENT BLANK	Pesticides	Parathion Ethyl	0.14	U	ug/L	0.14	0.56
3/17/2008 12:45	EQUIPMENT BLANK	Pesticides	Ametryn	0.048	U	ug/L	0.048	0.19
3/17/2008 12:45	EQUIPMENT BLANK	Pesticides	Norflurazon	0.14	U	ug/L	0.14	0.56
3/17/2008 12:45	EQUIPMENT BLANK	Pesticides	Metribuzin	0.095	U	ug/L	0.095	0.38
3/17/2008 12:45	EQUIPMENT BLANK	Pesticides	Metolachlor	0.48	U	ug/L	0.48	1.9
3/17/2008 12:45	EQUIPMENT BLANK	Pesticides	Ethoprop	0.095	U	ug/L	0.095	0.38
3/17/2008 12:45	EQUIPMENT BLANK	Pesticides	Bromacil	0.19	U	ug/L	0.19	0.76
3/17/2008 12:45	EQUIPMENT BLANK	Pesticides	Naled	0.76	U	ug/L	0.76	3
3/17/2008 12:45	EQUIPMENT BLANK	Pesticides	Chlorpyrifos Ethyl	0.048	U	ug/L	0.048	0.19
3/17/2008 12:45	EQUIPMENT BLANK	Pesticides	Azinphos Methyl	0.19	U	ug/L	0.19	0.76
3/17/2008 12:45	EQUIPMENT BLANK	Pesticides	Simazine	0.048	U	ug/L	0.048	0.19
3/17/2008 12:45	EQUIPMENT BLANK	Pesticides	Diazinon	0.048	U	ug/L	0.048	0.19
3/17/2008 12:45	EQUIPMENT BLANK	Pesticides	Butylate	0.19	UJ	ug/L	0.19	0.76
3/17/2008 12:45	EQUIPMENT BLANK	Priority Organic Pollutants	2,4-Dichlorophenol	0.95	U	ug/L	0.95	3.8
3/17/2008 12:45	EQUIPMENT BLANK	Priority Organic Pollutants	2,4-Dimethylphenol	9.5	U	ug/L	9.5	38

Appendix E. (continued)

Date Sampled	Sample ID	Analysis Group	Components	Results	Remarks	Units	MDL	PQL
3/17/2008 12:45	EQUIPMENT BLANK	Priority Organic Pollutants	2-Chlorophenol	0.95	U	ug/L	0.95	3.8
3/17/2008 12:45	EQUIPMENT BLANK	Priority Organic Pollutants	4-Chlorophenyl phenyl ether	1.9	U	ug/L	1.9	7.6
3/17/2008 12:45	EQUIPMENT BLANK	Priority Organic Pollutants	4-Nitrophenol	14	U	ug/L	14	57
3/17/2008 12:45	EQUIPMENT BLANK	Priority Organic Pollutants	Benzo(g,h,i)perylene	0.95	U	ug/L	0.95	3.8
3/17/2008 12:45	EQUIPMENT BLANK	Priority Organic Pollutants	Dibenzo(a,h)anthracene	0.95	U	ug/L	0.95	3.8
3/17/2008 12:45	EQUIPMENT BLANK	Priority Organic Pollutants	Endrin aldehyde	3.8	UJ	ug/L	3.8	15
3/17/2008 12:45	EQUIPMENT BLANK	Priority Organic Pollutants	Hexachlorobenzene	0.95	U	ug/L	0.95	3.8
3/17/2008 12:45	EQUIPMENT BLANK	Priority Organic Pollutants	N-Nitrosodi-n-propylamine	1.9	U	ug/L	1.9	7.6
3/17/2008 12:45	EQUIPMENT BLANK	Priority Organic Pollutants	2-Chloronaphthalene	0.95	U	ug/L	0.95	3.8
3/17/2008 12:45	EQUIPMENT BLANK	Priority Organic Pollutants	4,4'-DDT	1.4	U	ug/L	1.4	5.7
3/17/2008 12:45	EQUIPMENT BLANK	Priority Organic Pollutants	4-Bromophenyl phenyl ether	0.95	U	ug/L	0.95	3.8
3/17/2008 12:45	EQUIPMENT BLANK	Priority Organic Pollutants	Anthracene	0.95	U	ug/L	0.95	3.8
3/17/2008 12:45	EQUIPMENT BLANK	Priority Organic Pollutants	Benzo(a)pyrene	0.95	U	ug/L	0.95	3.8
3/17/2008 12:45	EQUIPMENT BLANK	Priority Organic Pollutants	Chrysene	0.95	U	ug/L	0.95	3.8
3/17/2008 12:45	EQUIPMENT BLANK	Priority Organic Pollutants	Heptachlor epoxide	1.4	U	ug/L	1.4	5.7
3/17/2008 12:45	EQUIPMENT BLANK	Priority Organic Pollutants	Hexachlorocyclopentadiene	2.9	U	ug/L	2.9	11
3/17/2008 12:45	EQUIPMENT BLANK	Priority Organic Pollutants	Hexachloroethane	2.9	U	ug/L	2.9	11
3/17/2008 12:45	EQUIPMENT BLANK	Priority Organic Pollutants	Indeno(1,2,3-cd)pyrene	0.95	U	ug/L	0.95	3.8
3/17/2008 12:45	EQUIPMENT BLANK	Priority Organic Pollutants	Phenanthrene	0.95	U	ug/L	0.95	3.8
3/17/2008 12:45	EQUIPMENT BLANK	Priority Organic Pollutants	Di-n-octyl phthalate	0.95	U	ug/L	0.95	3.8
3/17/2008 12:45	EQUIPMENT BLANK	Priority Organic Pollutants	Endosulfan sulfate	1.4	U	ug/L	1.4	5.7
3/17/2008 12:45	EQUIPMENT BLANK	Priority Organic Pollutants	Heptachlor	1.4	U	ug/L	1.4	5.7
3/17/2008 12:45	EQUIPMENT BLANK	Priority Organic Pollutants	Phenol	0.95	U	ug/L	0.95	3.8
3/17/2008 12:45	EQUIPMENT BLANK	Priority Organic Pollutants	delta-BHC	1.4	U	ug/L	1.4	5.7
3/17/2008 12:45	EQUIPMENT BLANK	Priority Organic Pollutants	2,4,6-Trichlorophenol	0.95	U	ug/L	0.95	3.8
3/17/2008 12:45	EQUIPMENT BLANK	Priority Organic Pollutants	4,4'-DDD	1.4	U	ug/L	1.4	5.7
3/17/2008 12:45	EQUIPMENT BLANK	Priority Organic Pollutants	4,4'-DDE	1.4	U	ug/L	1.4	5.7
3/17/2008 12:45	EQUIPMENT BLANK	Priority Organic Pollutants	4-Chloro-3-methylphenol	0.95	U	ug/L	0.95	3.8
3/17/2008 12:45	EQUIPMENT BLANK	Priority Organic Pollutants	Benzo(k)fluoranthene	0.95	U	ug/L	0.95	3.8
3/17/2008 12:45	EQUIPMENT BLANK	Priority Organic Pollutants	Bis(2-chloroethoxy)methane	0.95	U	ug/L	0.95	3.8
3/17/2008 12:45	EQUIPMENT BLANK	Priority Organic Pollutants	Bis(2-chloroethyl)ether	0.95	U	ug/L	0.95	3.8
3/17/2008 12:45	EQUIPMENT BLANK	Priority Organic Pollutants	Di-n-butyl phthalate	4.8	U	ug/L	4.8	19
3/17/2008 12:45	EQUIPMENT BLANK	Priority Organic Pollutants	Nitrobenzene	1.9	U	ug/L	1.9	7.6
3/17/2008 12:45	EQUIPMENT BLANK	Priority Organic Pollutants	2-Nitrophenol	0.95	U	ug/L	0.95	3.8
3/17/2008 12:45	EQUIPMENT BLANK	Priority Organic Pollutants	Acenaphthene	0.95	U	ug/L	0.95	3.8

Appendix E. (continued)

Date Sampled	Sample ID	Analysis Group	Components	Results	Remarks	Units	MDL	PQL
3/17/2008 12:45	EQUIPMENT BLANK	Priority Organic Pollutants	Dieldrin	1.4	U	ug/L	1.4	5.7
3/17/2008 12:45	EQUIPMENT BLANK	Priority Organic Pollutants	Pentachlorophenol	2.9	U	ug/L	2.9	11
3/17/2008 12:45	EQUIPMENT BLANK	Priority Organic Pollutants	gamma-BHC	1.4	U	ug/L	1.4	5.7
3/17/2008 12:45	EQUIPMENT BLANK	Priority Organic Pollutants	2,6-Dinitrotoluene	0.95	U	ug/L	0.95	3.8
3/17/2008 12:45	EQUIPMENT BLANK	Priority Organic Pollutants	Bis(2-ethylhexyl)phthalate	14	U	ug/L	14	57
3/17/2008 12:45	EQUIPMENT BLANK	Priority Organic Pollutants	Endosulfan II	3.8	U	ug/L	3.8	15
3/17/2008 12:45	EQUIPMENT BLANK	Priority Organic Pollutants	Isophorone	0.95	U	ug/L	0.95	3.8
3/17/2008 12:45	EQUIPMENT BLANK	Priority Organic Pollutants	N-Nitrosodimethylamine	1.9	UJ	ug/L	1.9	7.6
3/17/2008 12:45	EQUIPMENT BLANK	Priority Organic Pollutants	beta-BHC	1.4	U	ug/L	1.4	5.7
3/17/2008 12:45	EQUIPMENT BLANK	Priority Organic Pollutants	2,4-Dinitrophenol	14	U	ug/L	14	57
3/17/2008 12:45	EQUIPMENT BLANK	Priority Organic Pollutants	2,4-Dinitrotoluene	0.95	U	ug/L	0.95	3.8
3/17/2008 12:45	EQUIPMENT BLANK	Priority Organic Pollutants	2-Methyl-4,6-dinitrophenol	2.9	U	ug/L	2.9	11
3/17/2008 12:45	EQUIPMENT BLANK	Priority Organic Pollutants	3,3'-Dichlorobenzidine	38	U	ug/L	38	150
3/17/2008 12:45	EQUIPMENT BLANK	Priority Organic Pollutants	Acenaphthylene	0.95	U	ug/L	0.95	3.8
3/17/2008 12:45	EQUIPMENT BLANK	Priority Organic Pollutants	Benzidine	95	U	ug/L	95	380
3/17/2008 12:45	EQUIPMENT BLANK	Priority Organic Pollutants	Benzo(a)anthracene	0.95	U	ug/L	0.95	3.8
3/17/2008 12:45	EQUIPMENT BLANK	Priority Organic Pollutants	Bis(2-chloroisopropyl)ether	2.9	U	ug/L	2.9	11
3/17/2008 12:45	EQUIPMENT BLANK	Priority Organic Pollutants	Butyl benzyl phthalate	4.8	U	ug/L	4.8	19
3/17/2008 12:45	EQUIPMENT BLANK	Priority Organic Pollutants	Diethyl phthalate	0.95	U	ug/L	0.95	3.8
3/17/2008 12:45	EQUIPMENT BLANK	Priority Organic Pollutants	Dimethyl phthalate	9.5	U	ug/L	9.5	38
3/17/2008 12:45	EQUIPMENT BLANK	Priority Organic Pollutants	Endosulfan I	3.8	U	ug/L	3.8	15
3/17/2008 12:45	EQUIPMENT BLANK	Priority Organic Pollutants	Endrin	1.4	U	ug/L	1.4	5.7
3/17/2008 12:45	EQUIPMENT BLANK	Priority Organic Pollutants	Fluoranthene	0.95	U	ug/L	0.95	3.8
3/17/2008 12:45	EQUIPMENT BLANK	Priority Organic Pollutants	Hexachlorobutadiene	2.9	U	ug/L	2.9	11
3/17/2008 12:45	EQUIPMENT BLANK	Priority Organic Pollutants	Pyrene	0.95	U	ug/L	0.95	3.8
3/17/2008 12:45	EQUIPMENT BLANK	Priority Organic Pollutants	1,2,4-Trichlorobenzene	0.95	U	ug/L	0.95	3.8
3/17/2008 12:45	EQUIPMENT BLANK	Priority Organic Pollutants	Aldrin	1.4	U	ug/L	1.4	5.7
3/17/2008 12:45	EQUIPMENT BLANK	Priority Organic Pollutants	Benzo(b)fluoranthene	0.95	U	ug/L	0.95	3.8
3/17/2008 12:45	EQUIPMENT BLANK	Priority Organic Pollutants	Fluorene	0.95	U	ug/L	0.95	3.8
3/17/2008 12:45	EQUIPMENT BLANK	Priority Organic Pollutants	Naphthalene	0.95	U	ug/L	0.95	3.8
3/17/2008 12:45	EQUIPMENT BLANK	Priority Organic Pollutants	alpha-BHC	1.4	U	ug/L	1.4	5.7

Appendix F. FDEP Bioassay Laboratory Meter Identification.

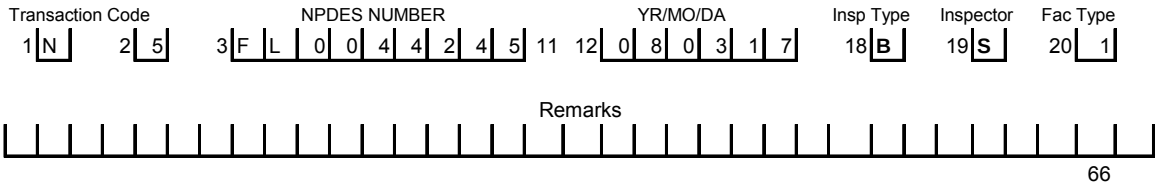
METER / DEVICE	ID	SOP	Parameter	Method	Other Meter / Device	SN	Date other meter used
YSI Model 58 Dissolved Oxygen Meter	90H018262	TA06_04	Dissolved Oxygen	SM 4500 O G			
Accumet AR-10 pH Meter	93312105	TA06_23	pH	SM 4500 H^+			
Mettler-Toledo SevenMulti Conductivity Meter	SN 1225117049 Probe H04257	TA06_25	Conductivity Salinity	SM 2510 B SM 2520 B			
Denver Model 225 ISE with ammonia probe	SN K01377	TA06_17	Ammonia	SM 4500 NH3 F			
Thermometer (DO probe)	YSI 5750 SN 05J1720	TA06_05	Temperature	SM-2530B modified DEP SOP-001/01 FT1400			
Fisher Digital Thermometer	SN 61990624 probe SN 61992648	TA06_05	Temperature	SM-2530B modified DEP SOP-001/01 FT1400			
Hach Pocket Colorimeter II	05050C026378	TA06_22	Total Residual Chlorine	EPA 330.5 SM 4500 CL G			
Alkalinity (Hach Kit)	No SN	TA06_08	Alkalinity	SM 2320 B			
Hardness (Hach Kit)	No SN	TA06_09	Hardness	SM 2340 C			

SM-2530B modified to allow use of electronic and non-mercury filled thermometers.

V.1 5/12/08 MF

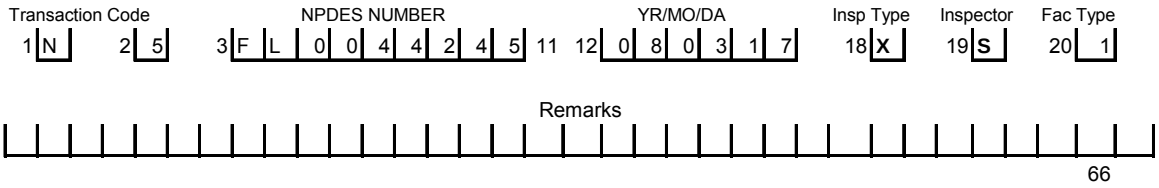
The Bioassay of Players Club South Wastewater Treatment Facility effluent sampled on March 17, 2008. NPDES #FL0044245.

Fill Out This Section For All Surface Water Discharger Inspections(CEI, CSI, CBI, PAI, XSI-RI Optional)



The Priority Pollutants Analysis of Players Club South Wastewater Treatment Facility effluent sampled on March 17, 2008. NPDES #FL0044245.

Fill Out This Section For All Surface Water Discharger Inspections(CEI, CSI, CBI, PAI, XSI-RI Optional)



Biological Analyses of Players Club South Wastewater Treatment Facility effluent sampled on March 17, 2008. NPDES #FL0044245.

Fill Out This Section For All Surface Water Discharger Inspections(CEI, CSI, CBI, PAI, XSI-RI Optional)

