

Effluent Quality Assessment

FPL Port Everglades Plant

Broward County

NPDES #FL0001538

Sampled December 3, 2007

February 2008

Biology Section
Bureau of Laboratories
Division of Resource Assessment and Management

Quality Manual No. 870346G
NELAC Certification No. E31780

FPL Port Everglades Plant, 8100 Eisenhower Rd., Ft. Lauderdale, Broward County, Florida, 33316. NPDES #FL0001538. Effluent samples for this facility were collected on December 3, 2008.

Introduction

Florida Power and Light (FPL) Port Everglades Plant is an electric power generating facility. The facility uses natural gas and oil as fuel and consists of four generating units (Units 1 through 4) with a total production capacity of 1,254 Mega-watts. The facility has a design flow of 800 million gallons per day (MGD). The mean flow from December 2006 through November 2007 was 730 MGD. Wastewater streams at the facility include once-through cooling water (OTCW) and low-volume waste streams which include: sluice water, economizer-hopper wash, air pre-heater wash, dust-collector wash, equipment wash, boiler-fireside wash, stack-wash and reverse-osmosis water treatment system effluent streams. OTCW is not treated prior to discharge. The low-volume wastewater treatment system includes: a solids settling basin, precipitation basin, percolation basin and their overflow areas. The solids settling and precipitation basins are lined with an impermeable liner. The percolation basin has a limestone bottom. The facility also has an equipment-area runoff treatment system that is designed to collect and retain the first inch of rainfall that falls on the plant's equipment area plus minimal flows from the service water rinses in the power-block area. Drainage from areas subject to oil contamination is routed through oil/water separators or oil traps. Storm water runoff in excess of the first inch is routed to the discharge canal. The facility is permitted for surface water discharge to the Intracoastal Waterway (Class III Marine Waters) through Outfall D-001. The point-of-discharge for Outfall D-001, located approximately at latitude 26º 05' 01" N, longitude 80º 07' 26" W, is at a cross-section through the discharge canal 182.8 m (600 feet) downstream from the Unit 1 cooling water discharge structure. Discharge through D-001 includes boiler blowdown, once-through non-contact cooling water, auxiliary equipment cooling water, reverse-osmosis reject water, intake-screen wash water, and storm water.

The facility has two land application systems (LAS). LAS R-001, a percolation basin, receives discharge process wastewater, boiler blowdown, treated storm water, reverse osmosis reject water and metal cleaning waste water. LAS R-002, a storm water forwarding basin, receives storm water.

The facility has no Administrative Orders or Consent Orders. The facility has no mixing zones. A review of DMR data for the past year revealed permit violations during March 2007 for nickel (permit limit ≤ 0.10 mg/L) at ground water monitoring locations NOB-2B (value (0.11 mg/L) and NOB-3A-R (0.16 mg/L); and, for lead (permit limit ≤ 0.015 mg/L) at ground water monitoring location D-1A (value 0.016 mg/L). There were no reported surface water discharge permit limit violations. (Facility information provided by Lisa Gatch of FDEP Southeast District.)

Methods

Samples were collected from the EFF-5 NPDES sampling point (500 feet downstream from the Unit 1 discharge structure) for Outfall D-001 by Terry Davis (FDEP Southeast 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 96-hour screening toxicity tests and algal growth potential test were performed following internal DEP SOPs TA07_03, TA07_04, 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. The toxicity bioassays were performed in accordance with permit conditions.

Toxicity Test Results

Tests were performed December 4 - 8, 2007.

Americamysis bahia 96-hour acute screening bioassay –	LC_{50} > 100%, 0% mortality in 100% sample at 96 hours
Menidia beryllina 96-hour acute screening bioassay –	LC_{50} > 100%, 5% mortality in 100% sample at 96 hours

The bioassay samples were 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.

Algal Growth Potential

The effluent Algal Growth Potential (AGP) was less than the method detection limit of 3 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). Ratios of nitrogen and phosphorus could not be calculated because ortho-phosphate and total phosphorus were not detected in the sample preserved for nutrient analyses. The absence of detectable concentrations of phosphorus suggests that the effluent is phosphorus-limited (Maloney et al. 1974).

See Table 1 for AGP results.

Chemistry Results

Total residual chlorine and total ammonia were not detected in the bioassay sample in the laboratory. The total ammonia concentration in the sample collected and preserved for chemical analysis was 0.028 mg/L. Based on the pH, salinity, and temperature of the effluent as collected, the calculated unionized ammonia concentration was < 0.02 mg/L.

Copper was detected in the effluent at levels that comply with Class III marine water quality criteria (62-302.530, F.A.C.). Aluminum was detected between the laboratory method detection limits (MDL) and practical quantitation limits (PQL).

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.

Conclusion

The effluent sample collected from the EFF-5 NPDES sampling point for Outfall D-001 for this facility on December 3, 2007, was not acutely toxic to either test species during the 96-hour acute screening bioassays. The effluent AGP result was less than the "problem” threshold for marine receiving waters. Effluent water quality samples did not exceed any applicable water quality standards or violate any permit conditions.

Literature Cited

Maloney, T. E., W. E. Miller, and D. T. Specht. 1974. The Marine Algal Assay Procedure: Bottle Test. National Environmental Research Center Office of Research and Development. U. S. EPA, Corvallis, Oregon. 43 p.

Table 1. Measured algal growth potential (AGP; mg dry weight/L) of the saltwater species *Dunaliella tertiolecta* in a sample of effluent from Outfall D-001 of the FPL Port Everglades Plant, collected on December 3, 2007.

FPL Port Everglades Plant			
Location	**AGP (measured)**	**Inorganic N:P ratio**	**Total N:P ratio**
Effluent	3.0 AU	ND	ND

A - Value reported is the mean of two or more determinations.

U - Material was analyzed for but not detected. The value reported is the minimum detection limit.

ND - Not determined. Nutrient ratios could not be calculated because ortho-phosphate and total phosphorus concentrations were less than their respective method detection limit.

Table 2. Effluent limits, Class III Criteria for predominantly marine waters and chemical data for samples collected from the FPL Port Everglades Plant on December 3, 2007.

FPL Port Everglades Plant NPDES # FL0001538	Class III Standards	Effluent Limits EFF-5 sampling point	Effluent from EFF-5 sampling point	
Organic Constituents (µg/L)				
None Detected	-	-	-	
Metals (µg/L unless otherwise noted)				
Aluminum	≤ 1,500	≤ 1,500 s	26	I
Arsenic	≤ 50	≤ 50 s	1.5	UJ
Cadmium	≤ 8.8	≤ 9.3 s	0.06	U
Calcium (mg/L)	-	-	396	A
Chromium-III	-	-	3	U
Copper	≤ 3.7	≤ 3.7 sd	3.1	AJ
Iron	≤ 300	≤ 300 s	90	U
Lead	≤ 8.5	≤ 5.6 s	0.6	U
Magnesium (mg/L)	-	-	1,290	A
Mercury	≤ 0.025	≤ 0.025 s	-	
Nickel	≤ 8.3	≤ 8.3 sd	0.75	UJ
Selenium	≤ 71	≤ 71 s	1.5	UJ
Silver	≤ 2.3	-	0.075	U
Zinc	≤ 86	≤ 86 s	15	U
Nutrients (mg/L)				
Ortho-phosphate	-	-	0.011	I
Total Phosphorus	-	-	0.02	U
Total Ammonia	-	-	0.028	J
Un-ionized Ammonia	-	-	≤ 0.02	c
Nitrate and Nitrite	-	-	0.064	
Total Kjeldahl Nitrogen	-	-	0.35	
Organic Nitrogen	-	-	0.322	c
Total Nitrogen	-	-	0.414	c
General Physical and Chemical Parameters				
Dissolved Oxygen (mg/L)	≥ 4.0 s	≥ 4.0 se	4.8	
pH (SU)	6.5 - 8.5 s	6 - 9 s	7.5	
Conductivity (µmhos/cm)	-	-	48,240	
Temperature °C	-	Report	28.8	
Salinity	-	-	29	c
Total Residual Chlorine (mg/L)	≤ 0.01 s	≤ 0.01 s	≤ 0.03	£U
Fluoride (mg/L)	≤ 5.0 s	≤ 5.0 s	1.1	
Flow (MGD)	-	≤ 800 a	730	a
Hardness (mg $CaCO_3$)	-	-	6,301	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
d - Limit is greater of concentration in intake cooling water or water quality standard
e - Permit limit is ≥ concentration in intake cooling water; or, class III marine water quality criteria if concentration in intake cooling water is > water quality criteria
s - Single sample
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
£ - Analysis performed in bioassay laboratory

Florida Department of Environmental Protection

Central Laboratory Sample Submittal Form

Request Number: RQ-2007-12-03-35
FP&L-Port Everglades Plant

Event ID *

Requester: Michael Tanski
Field Report Prepared By: T Davis

Customer: SE-DIST
Collected By: T Davis
Send Final Report To: Terry Davis or Bill Theil

Project ID: FYI3
Sampling Agency: SE District

PMAS: 1143

Lab ID *	Location	Collection (begin) Eastern Central	Collection (end) Eastern Central	Bottle Group(s)**
	D-001 Discharge canal	☐ Comp ☒ Grab Date 3 Dec 07 Time 1140	Date Time	A
	Field ID: SI-FPLPE-1	Tot Res Chlorine (mg/L)	Diss Oxygen ~~(mg/L)~~ 12.75	Storet Station Number
	Matrix (Include type e.g. Salt, Fresh, etc): Water, salt	Temp (C) 28.82 pH 7.48	Sample Depth .2 ☒ m ☐ ft	☐ Salinity (PPTh) ☐ Sp Conductance (umho/cm) 48,240 NPDES Number
	Latitude o ' "	Longitude o ' "	Comments	

Lab ID *	Location	Collection (begin) Eastern Central	Collection (end) Eastern Central	Bottle Group(s)**
	Field blank	☐ Comp ☒ Grab Date 3 Dec 07 Time 1205	Date Time	B
	Field ID: SI-FPLPE-2	Tot Res Chlorine (mg/L)	Diss Oxygen (mg/L)	Storet Station Number
	Matrix (Include type e.g. Salt, Fresh, etc): Water, d. I.	Temp (C) pH	Sample Depth .01 ☒ m ☐ ft	☐ Salinity (PPTh) ☐ Sp Conductance (umho/cm) NPDES Number
	Latitude o ' "	Longitude o ' "	Comments	

Lab ID *	Location	Collection (begin) Eastern Central	Collection (end) Eastern Central	Bottle Group(s)**
		☐ Comp ☐ Grab Date Time	Date Time	
	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	Collection (begin) Eastern Central	Collection (end) Eastern Central	Bottle Group(s)**
		☐ Comp ☐ Grab Date Time	Date Time	
	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 Bottles for Sediment F.D. 1032 12.4.07	

Relinquished By:	Date/Time	Shipping Method:	Received By:	Date/Time	Relinquished By:	Date/Time	Received By:	Date/Time
T Davis	12/5/07/1430	DHL						12-6-07/880a

* 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: FPL - Port Everglades

Address: 8100 Eisenhower Rd

City: Ft Lauderdale County: Broward

Contact/District: Terry Davis

NPDES Permit #: FL 0001538

LIMS Job #: TIH-2007-12-dt-03-01 LIMS Sample #: 1067894

Lims Data Entry: 12-26-07 MF Data Entry Verification: JD 12/26/07

Sample Collection: Date: 12-3-07 Time: 11:45

Hold Time Start: Date: 12-3-07 Time: 11:45

Comments:

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_03

Control survival ≥90%: (Yes) No

Temperature Range ≤3°C: (Yes) No

Test 2 validation: Test 2: SOP TA 07_04

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. 26.5 mean 25.4

Incubator # ____ min. ____ max. ____ mean ____

Room B246 min. 23.2 max. 25.8 mean 24.5

Investigators' Signatures

James Davis

Blair Roberts

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	-		not measured		MF
Lab Total Residual Cl_2 (mg/L):	-	-	<0.03	-	-	<0.03	HACH	JD	BA
Alkalinity (mg/L as $CaCO_3$):	-	-	215	-	-	157	HACH	BA	JD
Hardness (mg/L as $CaCO_3$):	-	-	-	-	-	-	HACH	-	-
Total Ammonia (mg/L as N):	-	-	<0.031	-	-	<0.068	DENVER	MF	BA
Salinity (ppth):	-	-	≈35	-	-	≈35	YSI (Mettler)	JD	BA

V 1.4 9/12/05

Appendix B. (continued)

FDEP Biology Laboratory - Bioassay Survival Bench Sheet

LIMS Sample #: 1067964 Test #: 1/2 SOP#:TA 07_03 Test Started: Date 12.4.07 Time: 13:00
Organism/Batch/Age: Ab/Mix/12.4.07/5d 4h Test Ended: Date 12-8-07 Time: 1000
Chamber/Test Volume: 300 / 350 ml Diluent/ Batch: ASW 35ppt / 12.3.07
Food/Batch: YCT — P.sub — Artemia 0hr 163-07 24hr 149-07 48hr 165-07 72hr 166-07 Artemia Lot# 651-536-90
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	4 D	4	4	4	4
	B	D2	5	5	5	5	5	5
	C	D3	5	5	5	5	5	5
	D	D4	5	4 D	4	4	4	4
100%	A	D5	5	5	5	5	5	5
	B	D6	5	5	5	5	5	5
	C	D7	5	5	5	5	5	5
	D	D8	5	5	5	5	5	5
Loaded/Verified by: JD / BA Checked by:			JD	JD	JD	JD	JD	MF

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

Comments:

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000002

Appendix B. (continued)

FDEP Biology Laboratory - Bioassay Survival Bench Sheet

LIMS Sample #: 1067894 Test #: 2/2 SOP#:TA 07 04 Test Started: Date 12-4-07 Time: 13:25

Organism/Batch/Age: M.bahia / 12-4-07 / 1 Days Test Ended: Date 12-8-07 Time: 1020

Chamber/Test Volume: 1000 / 500 ml Diluent/ Batch: Asw 35ppt / 12-3-07

Food/Batch: YCT — P.sub — Artemia 0hr 163-07 24hr — 48hr 165-07 72hr — Artemia Lot# 631-536-90

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	D9	5	5	5	5	5	5
	B	D10	5	5	5	5	5	5
	C	D11	5	4 1D	4	4	4	4
	D	D12	5	5	5	5	5	5
100%	A	D13	5	4 1D	4	4	4	4
	B	D14	5	5	5	5	5	5
	C	D15	5	5	5	5	5	5
	D	D16	5	5	5	5	5	5
Loaded/Verified by: JD / JD		Checked by:	JD	JD	JD	JD	JD	MK

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: 5% 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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FDEP Biology Laboratory - Bioassay Parameter Bench Sheet

LIMS Sample # : 1067894 **Test #:** 1 of 2

TEST SOP #: TA07_03 **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	C	D	A
pH (S.U.)	8.7	8.3	8.2	8.4	8.3	8.1
Temperature °C	24.0	24.2	24.8	24.0	24.0	24.4
Dissolved Oxygen mg/L	6.4	3.6	6.3	5.9	6.3	4.3
Conductivity µmhos (mmhos)	52.3	52.0	52.5	51.0	50.9	52.3
(initials) Measured by:	JD	JD	JD	JD	JD	MF
(initials) Recorded by:	JD	JD	JD	JD	JD	MF

Comments:

Concentration 100%	0 Hr.	24 Hr.	48 Hr. before renewal	48 Hr. after renewal	72 Hr.	96 Hr.
Replicate	A	B	C	C	D	A
pH (S.U.)	8.1	7.9	8.1	8.1	8.2	8.0
Temperature °C	24.9	24.0	25.0	24.0	24.0	24.5
Dissolved Oxygen mg/L	6.3	4.7	6.2	5.8	6.3	6.1
Conductivity µmhos (mmhos)	53.0	50.9	51.2	50.4	50.0	50.6
(initials) Measured by:	JD	JD	JD	JD	JD	MF
(initials) Recorded by:	JD	JD	JD	JD	JD	MF

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:

000004

V 2.0 2/24/04

FDEP Biology Laboratory - Bioassay Parameter Bench Sheet

LIMS Sample # : 106894 **Test #:** 2 of 2

TEST SOP #: TA07_04 **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	C	D	A
pH (S.U.)	8.7	8.5	8.3	8.4	8.3	8.2
Temperature °C	24.0	24.0	24.9	24.0	24.0	24.6
Dissolved Oxygen mg/L	6.3	4.7	6.1	5.8	6.3	6.1
Conductivity µmhos (mmhos)	52.3	52.1	53.6	52.2	52.4	52.6
(initials) Measured by:	JD	JD	JD	JD	JD	MF
(initials) Recorded by:	JD	JD	JD	JD	JD	MF

Comments:

Concentration 100%	0 Hr.	24 Hr.	48 Hr. before renewal	48 Hr. after renewal	72 Hr.	96 Hr.
Replicate	A	B	C	C	D	A
pH (S.U.)	8.1	8.1	8.1	8.1	8.1	8.1
Temperature °C	25.5	24.1	24.9	24.0	24.0	24.6
Dissolved Oxygen mg/L	6.2	5.2	6.2	5.8	6.3	6.1
Conductivity µmhos (mmhos)	51.5	50.8	51.3	50.6	50.6	50.8
(initials) Measured by:	JD	JD	JD	JD	JD	MF
(initials) Recorded by:	JD	JD	JD	JD	JD	MF

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

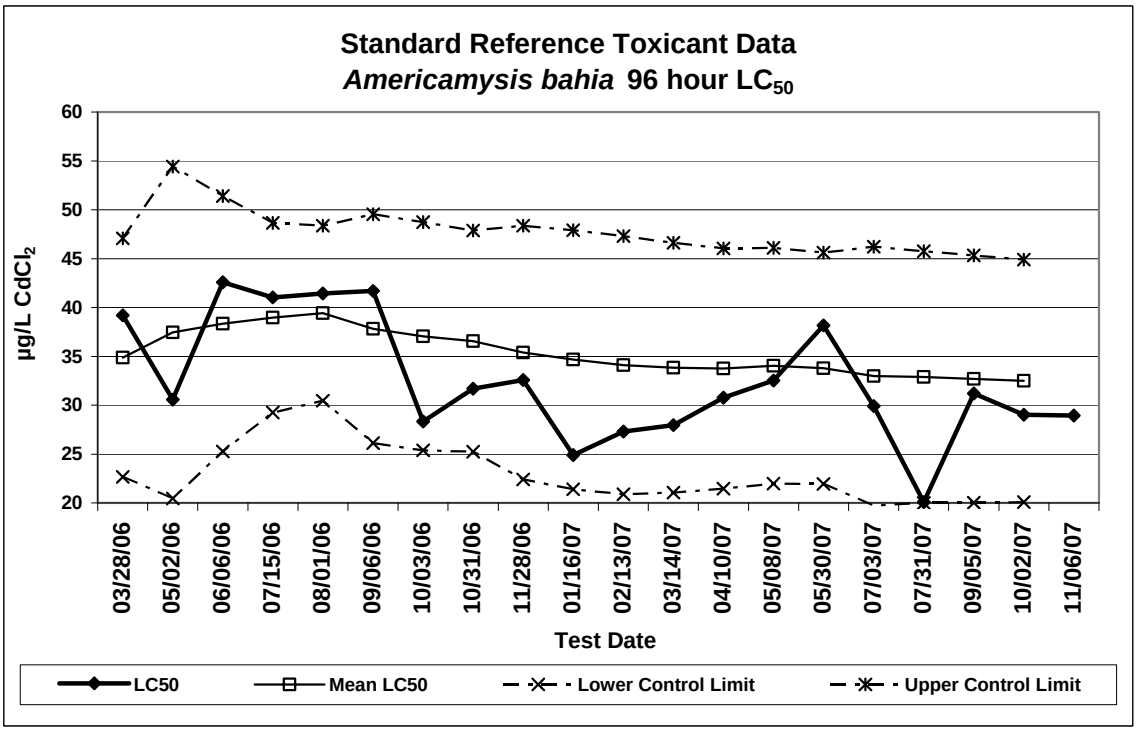
Standard Reference Toxicant (SRT) Test Data - 96-hour Acute Toxicity
Americamysis bahia (mysid shrimp) - Cadmium Chloride ($CdCl_2$)

Date	LC50	Mean LC50	Std Dev	Lower Control Limit	Upper Control Limit
03/28/06	39.19				
05/02/06	30.56	34.88	6.10	22.67	47.08
06/06/06	42.57	37.44	8.49	20.46	54.42
07/15/06	41.04	38.34	6.54	25.27	51.41
08/01/06	41.44	38.96	4.85	29.26	48.66
09/06/06	41.68	39.41	4.48	30.46	48.37
10/03/06	28.33	37.83	5.85	26.12	49.54
10/31/06	31.68	37.06	5.84	25.38	48.74
11/28/06	32.57	36.56	5.66	25.24	47.89
01/16/07	24.91	35.40	6.49	22.42	48.37
02/13/07	27.31	34.66	6.62	21.41	47.90
03/14/07	27.97	34.10	6.60	20.90	47.31
04/10/07	30.77	33.85	6.39	21.07	46.62
05/08/07	32.52	33.75	6.15	21.46	46.05
05/30/07	38.18	34.05	6.03	21.98	46.11
07/03/07	29.92	33.79	5.92	21.95	45.63
07/31/07	20.10	32.98	6.62	19.74	46.23
09/05/07	31.20	32.89	6.44	20.01	45.76
10/02/07	29.04	32.68	6.32	20.04	45.32
11/06/07	28.93	32.50	6.21	20.08	44.91

CV = 19.10

Lower Confidence Limit = mean - 2 * Std Dev
Upper Confidence Limit = mean + 2 * Std Dev

EPA reference 75th quartile CV = 26%



Appendix C. (continued)

Florida Department of Environmental Protection
Bureau of Laboratories

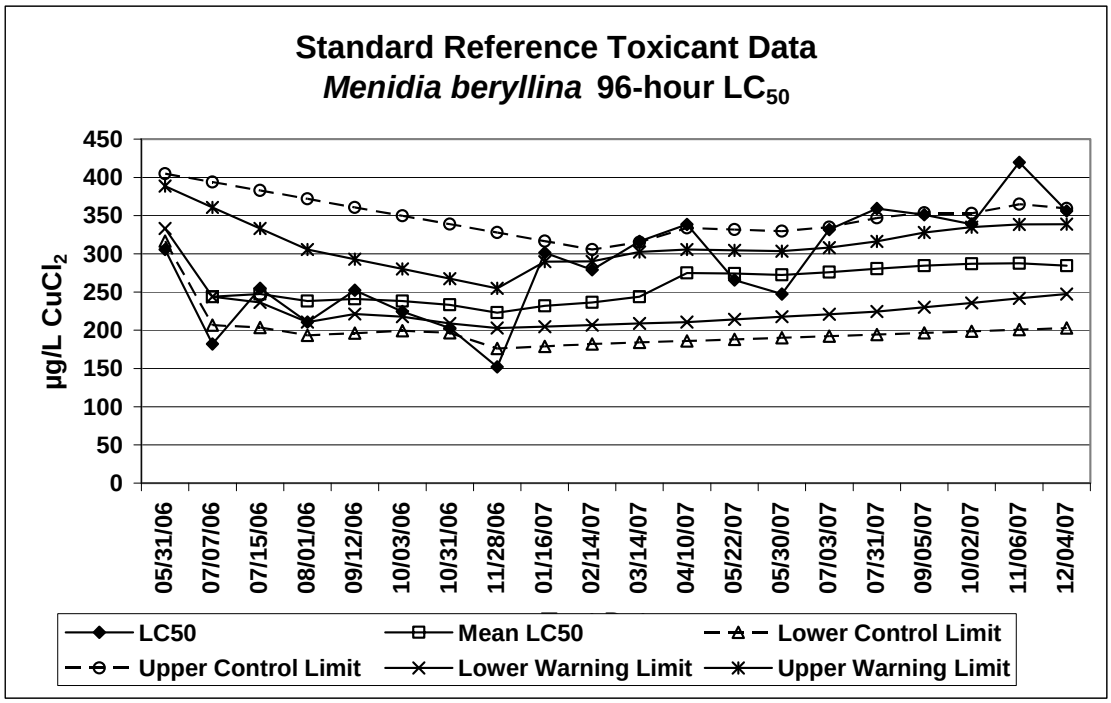
Standard Reference Toxicant (SRT) Test Data - 96-hour Acute Toxicity
Menidia beryllina (inland silverside) - Copper Chloride ($CuCl_2$)

Date	LC50	Mean LC50	Std Dev	Lower Control Limit	Upper Control Limit
05/31/06	305.64				
07/07/06	181.98	243.81	87.44	68.93	418.69
07/15/06	254.77	247.46	62.15	123.16	371.77
08/01/06	210.80	238.30	53.96	130.38	346.21
09/12/06	252.39	241.12	47.15	146.81	335.42
10/03/06	224.51	238.35	42.71	152.92	323.78
10/31/06	202.88	233.28	41.23	150.81	315.75
11/28/06	152.17	223.14	47.75	127.65	318.63
01/16/07	301.29	231.83	51.70	128.42	335.23
02/14/07	279.18	236.56	51.00	134.57	338.55
03/14/07	316.16	243.80	54.00	135.79	351.81
04/10/07	338.35	274.77	58.28	158.21	391.33
05/22/07	265.69	274.17	55.93	162.31	386.03
05/30/07	247.36	272.49	53.76	164.98	380.00
07/03/07	331.66	275.97	73.41	129.15	422.80
07/31/07	359.44	280.61	73.89	132.83	428.39
09/05/07	351.35	284.33	73.62	137.10	431.57
10/02/07	338.91	287.06	72.69	141.69	432.44
11/06/07	419.55	287.50	73.50	140.50	434.51
12/04/07	356.02	284.51	69.07	146.36	422.65

Organism supplier changed July 7, 2006

CV = 24.27
EPA reference 75th quartile CV = 21%

Upper warning and control limits are the 75th and 90th percentiles, respectively, of the LC50s.
Lower warning and control limits are the 25th and 10th percentiles, respectively, of the LC50s.



Appendix C. (continued)

[redacted]

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 #: ASW / 11.5.07
Toxicant/ Batch#: cd/2 / 11.5.07

Test Beginning: Date: 11.6.07 Time: 1140
Test Ending: Date: 11.10.07 Time: 1010

Water Quality Parameters	Diluent	Method	Initials
Total Residual Cl_2 (mg/L):	<0.03	Hach	JD
Alkalinity (mg/L as $CaCO_3$):	212	Hach	BA
Hardness (mg.L as $CaCO_3$):	—	Hach	—
Total Ammonia (mg/L as N):	mg/L <0.077	Denver	MV
Salinity (ppth):	20.2	Mettler	JD

Organism Batch #/ Age: 11.6.07 / 5 days
Feeding: (Prior to test) / Prior to renewal / (Daily)
Food: YCT / *P.subcapitata*
Food Batch: _____ / _____
Chamber size: 300 mL
Test volume: 250 mL per replicate
Artemia: Lot # 552-536-80
0hr 11.6.07 1537 24hr 158.07 48hr 157.07 72hr 160-07

Conc. g/L (mg/L) mg/L	Rep.	Chamber #	Number Live (0hr) 48 hr	(24hr) 72 hr	(48hr) 96 hr	pH (SU) (0hr) 48 hr	(24hr) 72 hr	(48hr) 96 hr	Temperature (°C) (0hr) 48 hr	(24hr) 72 hr	(48hr) 96 hr	D.O. (mg/L) (0hr) 48 hr	(24hr) 72 hr	(48hr) 96 hr	Uncorrected Conductivity µmhom/cm (mmhos/cm) (0hr) 48 hr	(24hr) 72 hr	(48hr) 96 hr
Control	A	tox1	5	5	5	8.4		8.2	24.0		24.0	7.0		5.3	32.3		35.6
	B	tox2	5	5	5		8.3			24.0			5.3			34.3	
	C	tox3	5	5	5												
	D	tox4	5	5	5												
20	A	tox5	5	5	5	8.4		8.2	24.0		24.0	7.1		5.3	32.6		35.1
	B	tox6	5	4(1)	4		8.3			24.0			5.3			34.5	
	C	tox7	5	5	5												
	D	tox8	5	5	5												
30	A	tox9	5	5	2(3)	8.4		8.1	24.0		24.1	7.1		5.2	32.6		35.0
	B	tox10	5	5	5		8.2			24.0			4.9			34.3	
	C	tox11	5	5	4(1)												
	D	tox12	5	5	5												
45	A	tox13	5	5	2(3)	8.5		8.2	23.9		24.2	7.1		5.2	32.6		34.9
	B	tox14	5	4(1)	0(4)		8.2			24.1			4.8			34.2	
	C	tox15	5	5	0(5)												
	D	tox16	5	5	1(4)												
67	A	tox17	5	4(1)	0(4)	8.5		8.2	24.0		24.0	7.1		5.4	32.3		34.5
	B	tox18	5	4(1)	0(4)		8.3			24.1			4.7			33.5	
	C	tox19	5	4(1)	0(4)												
	D	tox20	5	4(1)	0(4)												
100	A	tox21	5	3(2)	0(3)	8.5		8.2	24.0		24.0	7.0		5.6	32.6		35.8
	B	tox22	5	5	0(5)		8.3			24.2			4.8			34.2	
	C	tox23	5	3(2)	0(3)												
	D	tox24	5	4(1)	0(4)												
	A																
	B																
	C																
	D																
Loaded / measured by:			JD	JD	JD	JD	JD	JD	JD	JD	JD	JD	JD	JD	JD	JD	JD
Recorded by:			JD	JD	JD	JD	JD	JD	JD	JD	JD	JD	JD	JD	JD	JD	JD

Investigators' Signatures
James Daniel
Bruce [illegible]
Marshall Fairchild

Loretta Wolfe
REVIEWER

Concentrations prepared by: JD
Loading verified by: BA
Light Intensity: 50-100 Ft. candles
Photoperiod: 16 hours Light / 8 hours dark
Temperature Range °C:
Incubator # 2 min 25.0 max 26.1 mean 25.5
Incubator # ___ min _____ max _____ mean _____
Room B248 min 23.5 max 24.5 mean 24.0

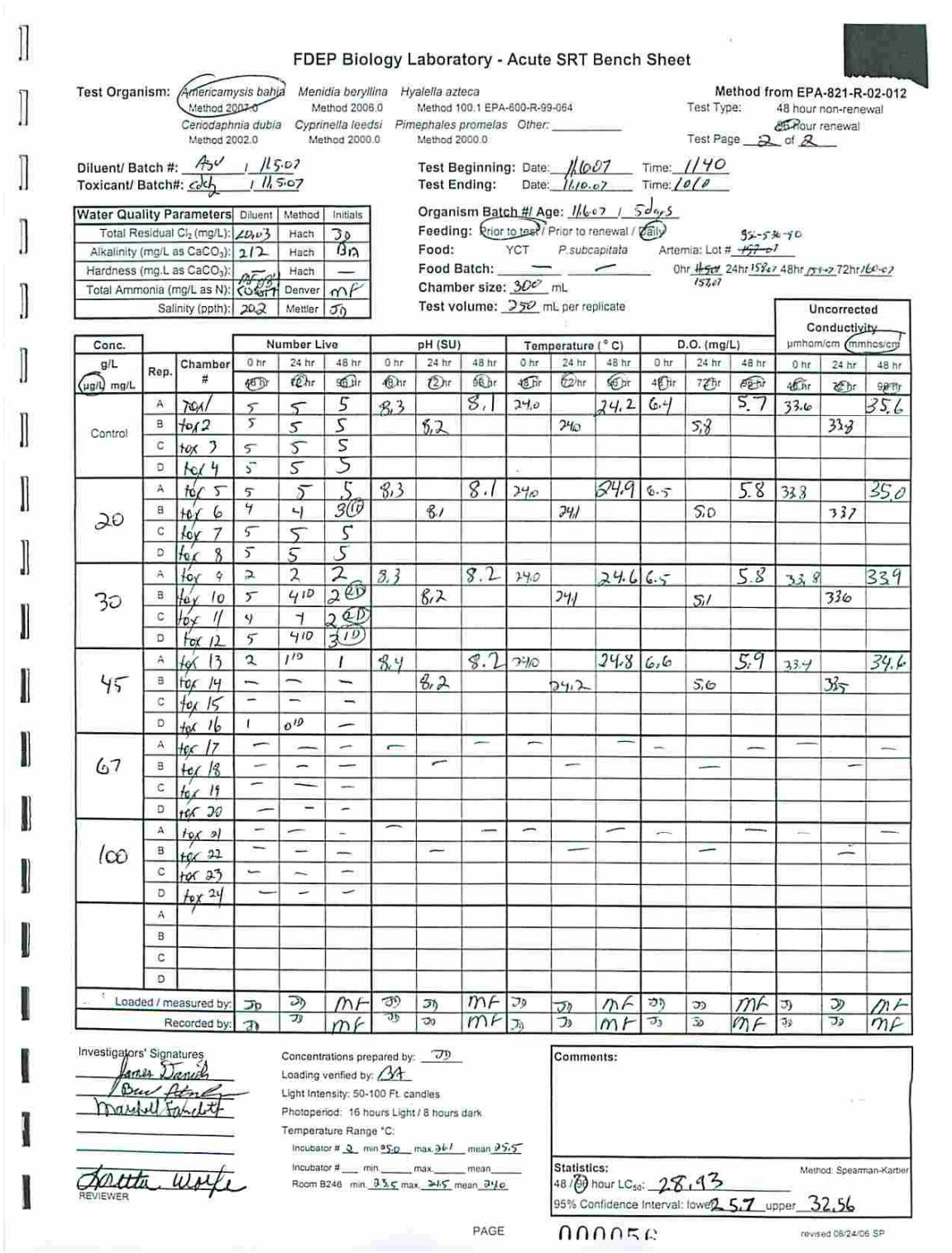
Comments:

Statistics: Method: Spearman-Karber
(48) 96 hour LC_{50}: 35.65
95% Confidence Interval: lower 32.82 upper 39.68

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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 2 of 2

Diluent/ Batch #: ASW / 11.5.07
Toxicant/ Batch#: cdcl2 / 11.5.07

Test Beginning: Date: 11/6/07 Time: 1140
Test Ending: Date: 11.10.07 Time: 1010

Water Quality Parameters	Diluent	Method	Initials
Total Residual Cl_2 (mg/L):	20.03	Hach	JD
Alkalinity (mg/L as $CaCO_3$):	212	Hach	BA
Hardness (mg.L as $CaCO_3$):	—	Hach	—
Total Ammonia (mg/L as N):	0.0	Denver	MF
Salinity (ppth):	20.2	Mettler	JD

Organism Batch #/ Age: 11.6.07 / 5 days
Feeding: Prior to test / Prior to renewal / Daily
Food: YCT P.subcapitata Artemia: Lot # 95-53-70 / 157-07
Food Batch: — / —
0hr 11.5.07 157.07 24hr 158.07 48hr 159.07 72hr 160.07
Chamber size: 300 mL
Test volume: 250 mL per replicate

Conc. g/L (µg/L) mg/L	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 µmhom/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	tox 1	5	5	5	8.3		8.1	24.0		24.2	6.4		5.7	33.6		35.6
	B	tox 2	5	5	5		8.2			24.0			5.8			33.8	
	C	tox 3	5	5	5												
	D	tox 4	5	5	5												
20	A	tox 5	5	5	5	8.3		8.1	24.0		24.9	6.5		5.8	33.8		35.0
	B	tox 6	4	4	3 (1D)		8.1			24.1			5.0			33.7	
	C	tox 7	5	5	5												
	D	tox 8	5	5	5												
30	A	tox 9	2	2	2	8.3		8.2	24.0		24.6	6.5		5.8	33.8		33.9
	B	tox 10	5	4 (1D)	2 (2D)		8.2			24.1			5.1			33.6	
	C	tox 11	4	4	2 (2D)												
	D	tox 12	5	4 (1D)	3 (1D)												
45	A	tox 13	2	1 (1D)	1	8.4		8.2	24.0		24.8	6.6		5.9	33.4		34.6
	B	tox 14	—	—	—		8.2			24.2			5.6			33.5	
	C	tox 15	—	—	—												
	D	tox 16	1	0 (1D)	—												
67	A	tox 17	—	—	—	—		—	—		—	—		—	—		—
	B	tox 18	—	—	—		—			—			—			—	
	C	tox 19	—	—	—												
	D	tox 20	—	—	—												
100	A	tox 21	—	—	—	—		—	—		—	—		—	—		—
	B	tox 22	—	—	—		—			—			—			—	
	C	tox 23	—	—	—												
	D	tox 24	—	—	—												
	A																
	B																
	C																
	D																
Loaded / measured by:			JD	JD	MF	JD	JD	MF	JD	JD	MF	JD	JD	MF	JD	JD	MF
Recorded by:			JD	JD	MF	JD	JD	MF	JD	JD	MF	JD	JD	MF	JD	JD	MF

Investigators' Signatures
James Daniels
Doug Adams
Marshall Faircloth
Britta Wolfe
REVIEWER

Concentrations prepared by: JD
Loading verified by: BA
Light Intensity: 50-100 Ft. candles
Photoperiod: 16 hours Light / 8 hours dark
Temperature Range °C:
Incubator # 2 min 25.0 max 26.1 mean 25.5
Incubator # ___ min ___ max ___ mean ___
Room B246 min 23.5 max 24.5 mean 24.0

Comments:

Statistics: Method: Spearman-Karber
48 / 96 hour LC_{50}: 28.93
95% Confidence Interval: lower 25.7 upper 32.56

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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 #: ASW / 11.26.07
Toxicant/ Batch#: $CuCl_2$ / 12.3.07

Test Beginning: Date: 12.4.07 Time: 1200
Test Ending: Date: 12-8-07 Time: 1030

Water Quality Parameters	Diluent	Method	Initials
Total Residual Cl_2 (mg/L):	20.03	Hach	JD
Alkalinity (mg/L as $CaCO_3$):	215	Hach	JD
Hardness (mg.L as $CaCO_3$):	—	Hach	—
Total Ammonia (mg/L as N):	<0.034	Denver	MF
Salinity (ppth):	≈ 20	Mettler	BA

Organism Batch #/ Age: 12.4.07 / 12d 4.5
Feeding: Prior to test / Prior to renewal / Daily
Food: YCT *P.subcapitata* Artemia: Lot # 554-536-10
Food Batch: ___ / ___ / ___ 0hr 12.5.07 24hr ___ 48hr 12.5.07 72hr ___
Chamber size: 1000 mL
Test volume: 500 mL per replicate

Conc. g/L (µg/L) mg/L	Rep.	Chamber #	Number Live 0hr 48 hr	24hr 72 hr	48hr 96 hr	pH (SU) 0hr 48 hr	24hr 72 hr	48hr 96 hr	Temperature (°C) 0hr 48 hr	24hr 72 hr	48hr 96 hr	D.O. (mg/L) 0hr 48 hr	24hr 72 hr	48hr 96 hr	Uncorrected Conductivity µmhos/cm (mmhos/cm) 0hr 48 hr	24hr 72 hr	48hr 96 hr
Control	A	A1	10	10	10	8.4		8.0	24.0		24.0	6.9		5.2	33.1		33.1
	B	A2	10	10	10		8.2			24.0			5.3			32.4	
	C																
	D																
100	A	A3	10	10	10	8.4		8.1	24.0		24.2	6.9		5.2	33.4		33.5
	B	A4	10	10	10		8.2			24.1			5.1			32.7	
	C																
	D																
200	A	A5	10	10	9.0	8.4		8.1	24.1		24.3	7.0		5.3	33.2		33.1
	B	A6	10	10	10		8.2			24.0			5.0			32.8	
	C																
	D																
300	A	A7	10	9.0	9	8.4		8.1	24.2		24.2	7.0		5.4	33.2		33.0
	B	A8	10	8.0	7.0		8.3			24.1			5.1			32.8	
	C																
	D																
400	A	A9	10	6.0	4	8.4		8.1	24.0		24.2	7.0		5.6	33.7		33.5
	B	A10	10	6.0	3.0		8.3			24.1			5.1			32.4	
	C																
	D																
500	A	A11	10	2.0	1.0	8.4		8.1	24.1		24.5	7.1		5.8	33.2		33.3
	B	A12	10	0.0	—		8.3			24.0			5.2			32.4	
	C																
	D																
	A																
	B																
	C																
	D																
Loaded / measured by:			JD	JD	JD	JD	JD	JD	JD	JD	JD	JD	JD	JD	JD	JD	JD
Recorded by:			JD	JD	JD	JD	JD	JD	JD	JD	JD	JD	JD	JD	JD	JD	JD

Investigators' Signatures
James Dunbar
Brian Adams
Marshall Faircloth
Loretta C. Wilkie
REVIEWER

Concentrations prepared by: JD
Loading verified by: BA
Light Intensity: 50-100 Ft. candles
Photoperiod: 16 hours Light / 8 hours dark
Temperature Range °C:
Incubator # 2 min. 25.5 max. 26.6 mean 26.1
Incubator # ___ min. ___ max. ___ mean ___
Room B246 min. 24.0 max. 25.7 mean 24.9

Comments:

Statistics: Method: Spearman-Karber
48 96 hour LC_{50}: 356.02
95% Confidence Interval: lower 323.74 upper 391.53

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Appendix C. (continued)

FDEP Biology Laboratory - Acute SRT Bench Sheet

Test Organism: *Americamysis bahia* Method 2007.0; *Mysidia 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 2 of 2

Diluent/ Batch #: ASW 1 11.2607
Toxicant/ Batch#: $CdCl_2$ 1 12.1.07

Test Beginning: Date: 12.4.07 Time: 1200
Test Ending: Date: 12-8-07 Time: 1030

Water Quality Parameters	Diluent	Method	Initials
Total Residual Cl_2 (mg/L):	<0.03	Hach	JD
Alkalinity (mg/L as $CaCO_3$):	215	Hach	JD
Hardness (mg.L as $CaCO_3$):	—	Hach	—
Total Ammonia (mg/L as N):	<0.03	Denver	JD/MF
Salinity (ppth):	20	Mettler	BA

Organism Batch #/ Age: 12.4.07 1 1 2d 4h 3
Feeding: ~~Prior to test~~ / Prior to renewal / Daily
Food: YCT *P.subcapitata* (Artemia) Lot # 952-536
Food Batch: ___ / ___ / ___ 0hr 12-3-07 24hr / 48hr 12-5-07 72hr /
Chamber size: 1000 mL
Test volume: 500 mL per replicate

Conc. g/L (µg/L, mg/L)	Rep.	Chamber #	Number Live 0 hr (48 hr)	Number Live 24 hr (72 hr)	Number Live 48 hr (96 hr)	pH (SU) 0 hr (48 hr)	pH (SU) 24 hr (72 hr)	pH (SU) 48 hr (96 hr)	Temperature (°C) 0 hr (48 hr)	Temperature (°C) 24 hr (72 hr)	Temperature (°C) 48 hr (96 hr)	D.O. (mg/L) 0 hr (48 hr)	D.O. (mg/L) 24 hr (72 hr)	D.O. (mg/L) 48 hr (96 hr)	Uncorrected Conductivity µmhos/cm (mmhos/cm) 0 hr (48 hr)	Uncorrected Conductivity 24 hr (72 hr)	Uncorrected Conductivity 48 hr (96 hr)
Control	A	A1	10	10	10	8.3		8.0	24.0		25.3	6.6		5.3	33.0		33.2
	B	A2	10	10	10		8.2			24.1			5.3			32.9	
	C	A3 (SD)															
	D																
100	A	A3	10	10	10	8.3		8.0	24.1		25.0	6.6		5.4	32.9		33.0
	B	A4	10	10	10		8.2			24.4			5.2			32.8	
	C																
	D																
200	A	A5	9	9	9	8.3		8.1	24.1		24.8	6.7		5.6	33.0		33.5
	B	A6	10	10	10		8.2			24.4			5.1			32.8	
	C																
	D																
300	A	A7	9	9	9	8.3		8.1	24.0		24.5	6.7		6.0	32.9		32.9
	B	A8	7	7	7		8.2			24.4			5.2			32.8	
	C																
	D																
400	A	A9	4	4	4	8.3		8.1	24.0		24.6	6.7		6.0	32.8		33.0
	B	A10	3	3	3		8.2			24.2			5.5			32.6	
	C																
	D																
500	A	A11	1	1	1	8.3		8.1	24.0		24.8	6.8		6.0	32.7		33.1
	B	A12	—	—			8.2			24.2			5.6			32.9	
	C																
	D																
	A																
	B																
	C																
	D																
Loaded / measured by:			JD	JD	MF	JD	JD	MF	JD	JD	MF	JD	JD	MF	JD	JD	MF
Recorded by:			JD	JD	MF	JD	JD	MF	JD	JD	MF	JD	JD	MF	JD	JD	MF

Investigators' Signatures
James Daniels
Marshall Faircloth
Loretta C. Wolfe
REVIEWER

Concentrations prepared by: JD
Loading verified by: BA
Light Intensity: 50-100 Ft. candles
Photoperiod: 16 hours Light / 8 hours dark
Temperature Range °C:
Incubator # 2 min. 25.5 max. 26.6 mean 26.0 (26.1 JD)
Incubator # ___ min. ___ max. ___ mean ___
Room B246 min. 24.0 max. 25.1 mean 24.9

000008

Comments:

Statistics: Method: Spearman-Karber
48 / (96) hour LC_{50}: 356.02
95% Confidence Interval: lower 323.74 upper 391.53

Appendix C. (continued)

***Americamysis bahia* Acute Standard Reference Toxicant Test**

DATE: 11-6-07 DURATION: 96 hours TOXICANT : $CdCl_2$
SPECIES: *Americamysis bahia*

RAW DATA: Concentration (µg/L)	Number Exposed	Mortalities
.00	20	0
20.00	20	2
30.00	20	11
45.00	20	19
67.00	20	20
100.00	20	20

SPEARMAN-KARBER TRIM: 10.00%

SPEARMAN-KARBER ESTIMATES: LC50: **28.93 µg/L**
95% LOWER CONFIDENCE: 25.70
95% UPPER CONFIDENCE: 32.56

***Menidia beryllina* Acute Standard Reference Toxicant Test**

DATE: 12-4-07 DURATION: 96 hours TOXICANT : $CuCl_2$
SPECIES: *Menidia beryllina*

RAW DATA: Concentration (µg/L)	Number Exposed	Mortalities
.00	20	0
100.00	20	0
200.00	20	1
300.00	20	4
400.00	20	13
500.00	20	19

SPEARMAN-KARBER TRIM: 5.00%

SPEARMAN-KARBER ESTIMATES: LC50: **356.02 µg/L**
95% LOWER CONFIDENCE: 323.74
95% UPPER CONFIDENCE: 391.53

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: 11/5/07

Shipped to: FDEP

P.O. No: N/A

Species	Quantity	Age	Brood Number	Temperature	Salinity
Mysidopsis bahia	150	4 DAYS	MS071101	25°C	20‰
Menidia beryllina	150	11 DAYS	SS071025	25°C	20‰
Cyprinella leedsi					
Pimephales promelas					

Packed by:

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: 12/3/07

Shipped to: FDEP

P.O. No: N/A

Species	Quantity	Age	Brood Number	Temperature	Salinity
Mysidopsis bahia	200	4 DAYS	MS071129	25°C	20‰
Menidia beryllina	200	11 DAYS	SS071127	25°C	20‰
Cyprinella leedsi	150	10 DAYS	CL071123		
Pimephales promelas	150	7 DAYS	FM071126	25°C	

Packed by:

Shipped Via: FedEx

Notes:

Thank you for your order.

Appendix E. Chemical Analyses performed on the effluent from the FPL Port Everglades Plant Outfall D-001, sampled on December 3, 2007.

DateSampled	Field ID	Analysis	Component	Result	Remark	Units	MDL	PQL
12/3/2007 11:40	Effluent	AGP/LN	Algal Growth Potential	3	A U	mg DryWt/L	3	3
12/3/2007 11:40	Effluent	Chlorophyll/Grain Size/BOD	Chlorophyll-a, Corrected	0.55	U	ug/L	0.55	1.7
12/3/2007 11:40	Effluent	Chlorophyll/Grain Size/BOD	Phaeophytin-a	1.3		ug/L	0.24	0.71
12/3/2007 11:40	Effluent	Toxicology	Bioassay-Acute-Screen-SW-Fish, LC50	100	L	LC50		
12/3/2007 11:40	Effluent	Toxicology	Bioassay-Acute-Screen-SW-Mysid, LC50	100	L	LC50		
12/3/2007 11:40	Effluent	Metals	Magnesium	1290	A	mg/L	2	8
12/3/2007 11:40	Effluent	Metals	Chromium	3	U	ug/L	3	12
12/3/2007 11:40	Effluent	Metals	Selenium	1.5	UJ	ug/L	1.5	6
12/3/2007 11:40	Effluent	Metals	Cadmium	0.06	U	ug/L	0.06	0.24
12/3/2007 11:40	Effluent	Metals	Calcium	396	A	mg/L	0.22	0.9
12/3/2007 11:40	Effluent	Metals	Lead	0.6	U	ug/L	0.6	2.4
12/3/2007 11:40	Effluent	Metals	Silver	0.075	U	ug/L	0.075	0.3
12/3/2007 11:40	Effluent	Metals	Copper	3.1	AJ	ug/L	0.75	3
12/3/2007 11:40	Effluent	Metals	Arsenic	1.5	UJ	ug/L	1.5	6
12/3/2007 11:40	Effluent	Metals	Aluminum	26	I	ug/L	15	60
12/3/2007 11:40	Effluent	Metals	Iron	90	U	ug/L	90	360
12/3/2007 11:40	Effluent	Metals	Zinc	15	U	ug/L	15	60
12/3/2007 11:40	Effluent	Metals	Nickel	0.75	UJ	ug/L	0.75	3
12/3/2007 11:40	Effluent	Nutrients	Total-P	0.02	U	mg P/L	0.02	0.06
12/3/2007 11:40	Effluent	Nutrients	NO2NO3-N	0.064		mg N/L	0.004	0.01
12/3/2007 11:40	Effluent	Nutrients	O-Phosphate-P	0.011	I	mg P/L	0.008	0.02
12/3/2007 11:40	Effluent	Nutrients	Fluoride	1.1		mg F/L	0.1	0.2
12/3/2007 11:40	Effluent	Nutrients	Ammonia-N	0.028	J	mg N/L	0.01	0.02
12/3/2007 11:40	Effluent	Nutrients	Kjeldahl Nitrogen	0.35		mg N/L	0.08	0.2
12/3/2007 11:40	Effluent	Priority Organic Pollutants	1,2,4-Trichlorobenzene	0.93	U	ug/L	0.93	3.7
12/3/2007 11:40	Effluent	Priority Organic Pollutants	Bis(2-chloroethoxy)methane	0.93	U	ug/L	0.93	3.7
12/3/2007 11:40	Effluent	Priority Organic Pollutants	Endosulfan I	3.7	U	ug/L	3.7	15
12/3/2007 11:40	Effluent	Priority Organic Pollutants	Endrin	1.4	U	ug/L	1.4	5.6
12/3/2007 11:40	Effluent	Priority Organic Pollutants	Isophorone	0.93	U	ug/L	0.93	3.7
12/3/2007 11:40	Effluent	Priority Organic Pollutants	N-Nitrosodiphenylamine/ Diphenylamine	2.8	U	ug/L	2.8	11
12/3/2007 11:40	Effluent	Priority Organic Pollutants	Phenol	0.93	U	ug/L	0.93	3.7
12/3/2007 11:40	Effluent	Priority Organic Pollutants	2,4-Dimethylphenol	9.3	U	ug/L	9.3	37
12/3/2007 11:40	Effluent	Priority Organic Pollutants	2-Nitrophenol	0.93	U	ug/L	0.93	3.7

Appendix E. (continued)

DateSampled	Field ID	Analysis	Component	Result	Remark	Units	MDL	PQL
12/3/2007 11:40	Effluent	Priority Organic Pollutants	Benzidine	93	U	ug/L	93	370
12/3/2007 11:40	Effluent	Priority Organic Pollutants	Benzo(a)anthracene	0.93	U	ug/L	0.93	3.7
12/3/2007 11:40	Effluent	Priority Organic Pollutants	Benzo(g,h,i)perylene	0.93	U	ug/L	0.93	3.7
12/3/2007 11:40	Effluent	Priority Organic Pollutants	Benzo(k)fluoranthene	0.93	U	ug/L	0.93	3.7
12/3/2007 11:40	Effluent	Priority Organic Pollutants	Di-n-butyl phthalate	4.7	U	ug/L	4.7	19
12/3/2007 11:40	Effluent	Priority Organic Pollutants	Heptachlor epoxide	1.4	U	ug/L	1.4	5.6
12/3/2007 11:40	Effluent	Priority Organic Pollutants	Hexachlorobenzene	0.93	U	ug/L	0.93	3.7
12/3/2007 11:40	Effluent	Priority Organic Pollutants	Nitrobenzene	1.9	U	ug/L	1.9	7.5
12/3/2007 11:40	Effluent	Priority Organic Pollutants	4-Nitrophenol	14	U	ug/L	14	56
12/3/2007 11:40	Effluent	Priority Organic Pollutants	Aldrin	1.4	U	ug/L	1.4	5.6
12/3/2007 11:40	Effluent	Priority Organic Pollutants	Anthracene	0.93	U	ug/L	0.93	3.7
12/3/2007 11:40	Effluent	Priority Organic Pollutants	Bis(2-chloroethyl)ether	0.93	U	ug/L	0.93	3.7
12/3/2007 11:40	Effluent	Priority Organic Pollutants	Bis(2-ethylhexyl)phthalate	14	U	ug/L	14	56
12/3/2007 11:40	Effluent	Priority Organic Pollutants	Heptachlor	1.4	U	ug/L	1.4	5.6
12/3/2007 11:40	Effluent	Priority Organic Pollutants	N-Nitrosodimethylamine	1.9	U	ug/L	1.9	7.5
12/3/2007 11:40	Effluent	Priority Organic Pollutants	2,4,6-Trichlorophenol	0.93	U	ug/L	0.93	3.7
12/3/2007 11:40	Effluent	Priority Organic Pollutants	2-Chlorophenol	0.93	U	ug/L	0.93	3.7
12/3/2007 11:40	Effluent	Priority Organic Pollutants	4,4'-DDE	1.4	U	ug/L	1.4	5.6
12/3/2007 11:40	Effluent	Priority Organic Pollutants	4,4'-DDT	1.4	U	ug/L	1.4	5.6
12/3/2007 11:40	Effluent	Priority Organic Pollutants	4-Chlorophenyl phenyl ether	1.9	U	ug/L	1.9	7.5
12/3/2007 11:40	Effluent	Priority Organic Pollutants	Bis(2-chloroisopropyl)ether	2.8	U	ug/L	2.8	11
12/3/2007 11:40	Effluent	Priority Organic Pollutants	Butyl benzyl phthalate	4.7	U	ug/L	4.7	19
12/3/2007 11:40	Effluent	Priority Organic Pollutants	Endosulfan sulfate	1.4	U	ug/L	1.4	5.6
12/3/2007 11:40	Effluent	Priority Organic Pollutants	Fluorene	0.93	U	ug/L	0.93	3.7
12/3/2007 11:40	Effluent	Priority Organic Pollutants	Hexachlorobutadiene	2.8	U	ug/L	2.8	11
12/3/2007 11:40	Effluent	Priority Organic Pollutants	Naphthalene	0.93	U	ug/L	0.93	3.7
12/3/2007 11:40	Effluent	Priority Organic Pollutants	gamma-BHC	1.4	U	ug/L	1.4	5.6
12/3/2007 11:40	Effluent	Priority Organic Pollutants	2-Chloronaphthalene	0.93	U	ug/L	0.93	3.7
12/3/2007 11:40	Effluent	Priority Organic Pollutants	4-Chloro-3-methylphenol	0.93	U	ug/L	0.93	3.7
12/3/2007 11:40	Effluent	Priority Organic Pollutants	Fluoranthene	0.93	UJ	ug/L	0.93	3.7
12/3/2007 11:40	Effluent	Priority Organic Pollutants	Hexachlorocyclopentadiene	2.8	U	ug/L	2.8	11
12/3/2007 11:40	Effluent	Priority Organic Pollutants	Pentachlorophenol	2.8	U	ug/L	2.8	11
12/3/2007 11:40	Effluent	Priority Organic Pollutants	alpha-BHC	1.4	U	ug/L	1.4	5.6
12/3/2007 11:40	Effluent	Priority Organic Pollutants	delta-BHC	1.4	U	ug/L	1.4	5.6

Appendix E. (continued)

DateSampled	Field ID	Analysis	Component	Result	Remark	Units	MDL	PQL
12/3/2007 11:40	Effluent	Priority Organic Pollutants	2,4-Dinitrophenol	14	U	ug/L	14	56
12/3/2007 11:40	Effluent	Priority Organic Pollutants	2,4-Dinitrotoluene	0.93	U	ug/L	0.93	3.7
12/3/2007 11:40	Effluent	Priority Organic Pollutants	2,6-Dinitrotoluene	0.93	U	ug/L	0.93	3.7
12/3/2007 11:40	Effluent	Priority Organic Pollutants	2-Methyl-4,6-dinitrophenol	2.8	U	ug/L	2.8	11
12/3/2007 11:40	Effluent	Priority Organic Pollutants	3,3'-Dichlorobenzidine	37	U	ug/L	37	150
12/3/2007 11:40	Effluent	Priority Organic Pollutants	4,4'-DDD	1.4	U	ug/L	1.4	5.6
12/3/2007 11:40	Effluent	Priority Organic Pollutants	Acenaphthene	0.93	U	ug/L	0.93	3.7
12/3/2007 11:40	Effluent	Priority Organic Pollutants	Dibenzo(a,h)anthracene	0.93	U	ug/L	0.93	3.7
12/3/2007 11:40	Effluent	Priority Organic Pollutants	N-Nitrosodi-n-propylamine	1.9	U	ug/L	1.9	7.5
12/3/2007 11:40	Effluent	Priority Organic Pollutants	Phenanthrene	0.93	U	ug/L	0.93	3.7
12/3/2007 11:40	Effluent	Priority Organic Pollutants	beta-BHC	1.4	U	ug/L	1.4	5.6
12/3/2007 11:40	Effluent	Priority Organic Pollutants	2,4-Dichlorophenol	0.93	U	ug/L	0.93	3.7
12/3/2007 11:40	Effluent	Priority Organic Pollutants	4-Bromophenyl phenyl ether	0.93	U	ug/L	0.93	3.7
12/3/2007 11:40	Effluent	Priority Organic Pollutants	Chrysene	0.93	U	ug/L	0.93	3.7
12/3/2007 11:40	Effluent	Priority Organic Pollutants	Di-n-octyl phthalate	0.93	UJ	ug/L	0.93	3.7
12/3/2007 11:40	Effluent	Priority Organic Pollutants	Diethyl phthalate	0.93	U	ug/L	0.93	3.7
12/3/2007 11:40	Effluent	Priority Organic Pollutants	Hexachloroethane	2.8	U	ug/L	2.8	11
12/3/2007 11:40	Effluent	Priority Organic Pollutants	Indeno(1,2,3-cd)pyrene	0.93	U	ug/L	0.93	3.7
12/3/2007 11:40	Effluent	Priority Organic Pollutants	Pyrene	0.93	U	ug/L	0.93	3.7
12/3/2007 11:40	Effluent	Priority Organic Pollutants	Acenaphthylene	0.93	U	ug/L	0.93	3.7
12/3/2007 11:40	Effluent	Priority Organic Pollutants	Benzo(a)pyrene	0.93	U	ug/L	0.93	3.7
12/3/2007 11:40	Effluent	Priority Organic Pollutants	Benzo(b)fluoranthene	0.93	U	ug/L	0.93	3.7
12/3/2007 11:40	Effluent	Priority Organic Pollutants	Dieldrin	1.4	U	ug/L	1.4	5.6
12/3/2007 11:40	Effluent	Priority Organic Pollutants	Dimethyl phthalate	9.3	U	ug/L	9.3	37
12/3/2007 11:40	Effluent	Priority Organic Pollutants	Endosulfan II	3.7	U	ug/L	3.7	15
12/3/2007 11:40	Effluent	Priority Organic Pollutants	Endrin aldehyde	3.7	U	ug/L	3.7	15
12/3/2007 11:40	Effluent	Field Parameters	Sample Depth	0.2		m		
12/3/2007 11:40	Effluent	Field Parameters	Temperature	28.82		C		
12/3/2007 11:40	Effluent	Field Parameters	Specific Conductance	48240		umhos/cm		
12/3/2007 11:40	Effluent	Field Parameters	pH	7.48				
12/3/2007 12:05	Field Blank	Metals	Silver	0.025	U	ug/L	0.025	0.1
12/3/2007 12:05	Field Blank	Metals	Selenium	0.5	U	ug/L	0.5	2
12/3/2007 12:05	Field Blank	Metals	Magnesium	0.04	U	mg/L	0.04	0.16
12/3/2007 12:05	Field Blank	Metals	Arsenic	0.5	U	ug/L	0.5	2

Appendix E. (continued)

DateSampled	Field ID	Analysis	Component	Result	Remark	Units	MDL	PQL
12/3/2007 12:05	Field Blank	Metals	Copper	0.25	U	ug/L	0.25	1
12/3/2007 12:05	Field Blank	Metals	Calcium	0.075	U	mg/L	0.075	0.3
12/3/2007 12:05	Field Blank	Metals	Chromium	1	U	ug/L	1	4
12/3/2007 12:05	Field Blank	Metals	Nickel	0.25	U	ug/L	0.25	1
12/3/2007 12:05	Field Blank	Metals	Zinc	5	U	ug/L	5	20
12/3/2007 12:05	Field Blank	Metals	Aluminum	5	U	ug/L	5	20
12/3/2007 12:05	Field Blank	Metals	Lead	0.2	U	ug/L	0.2	0.8
12/3/2007 12:05	Field Blank	Metals	Cadmium	0.02	U	ug/L	0.02	0.08
12/3/2007 12:05	Field Blank	Metals	Iron	30	U	ug/L	30	120
12/3/2007 12:05	Field Blank	Nutrients	Total-P	0.02	U	mg P/L	0.02	0.06
12/3/2007 12:05	Field Blank	Nutrients	O-Phosphate-P	0.004	U	mg P/L	0.004	0.01
12/3/2007 12:05	Field Blank	Nutrients	Kjeldahl Nitrogen	0.08	U	mg N/L	0.08	0.2
12/3/2007 12:05	Field Blank	Nutrients	Fluoride	0.05	U	mg F/L	0.05	0.1
12/3/2007 12:05	Field Blank	Nutrients	NO2NO3-N	0.004	U	mg N/L	0.004	0.01
12/3/2007 12:05	Field Blank	Nutrients	Ammonia-N	0.01	U	mg N/L	0.01	0.02
12/3/2007 12:05	Field Blank	Priority Organic Pollutants	2,6-Dinitrotoluene	0.95	U	ug/L	0.95	3.8
12/3/2007 12:05	Field Blank	Priority Organic Pollutants	4,4'-DDD	1.4	U	ug/L	1.4	5.7
12/3/2007 12:05	Field Blank	Priority Organic Pollutants	4,4'-DDT	1.4	U	ug/L	1.4	5.7
12/3/2007 12:05	Field Blank	Priority Organic Pollutants	Benzidine	95	U	ug/L	95	380
12/3/2007 12:05	Field Blank	Priority Organic Pollutants	Benzo(a)pyrene	0.95	U	ug/L	0.95	3.8
12/3/2007 12:05	Field Blank	Priority Organic Pollutants	Bis(2-chloroethyl)ether	0.95	U	ug/L	0.95	3.8
12/3/2007 12:05	Field Blank	Priority Organic Pollutants	Chrysene	0.95	U	ug/L	0.95	3.8
12/3/2007 12:05	Field Blank	Priority Organic Pollutants	Endrin aldehyde	3.8	U	ug/L	3.8	15
12/3/2007 12:05	Field Blank	Priority Organic Pollutants	Hexachloroethane	2.9	U	ug/L	2.9	11
12/3/2007 12:05	Field Blank	Priority Organic Pollutants	3,3'-Dichlorobenzidine	38	U	ug/L	38	150
12/3/2007 12:05	Field Blank	Priority Organic Pollutants	4-Chloro-3-methylphenol	0.95	U	ug/L	0.95	3.8
12/3/2007 12:05	Field Blank	Priority Organic Pollutants	Butyl benzyl phthalate	4.8	U	ug/L	4.8	19
12/3/2007 12:05	Field Blank	Priority Organic Pollutants	Diethyl phthalate	0.95	U	ug/L	0.95	3.8
12/3/2007 12:05	Field Blank	Priority Organic Pollutants	Heptachlor epoxide	1.4	U	ug/L	1.4	5.7
12/3/2007 12:05	Field Blank	Priority Organic Pollutants	Hexachlorobenzene	0.95	U	ug/L	0.95	3.8
12/3/2007 12:05	Field Blank	Priority Organic Pollutants	Indeno(1,2,3-cd)pyrene	0.95	U	ug/L	0.95	3.8
12/3/2007 12:05	Field Blank	Priority Organic Pollutants	Isophorone	0.95	U	ug/L	0.95	3.8
12/3/2007 12:05	Field Blank	Priority Organic Pollutants	N-Nitrosodiphenylamine/ Diphenylamine	2.9	U	ug/L	2.9	11
12/3/2007 12:05	Field Blank	Priority Organic Pollutants	Naphthalene	0.95	U	ug/L	0.95	3.8

Appendix E. (continued)

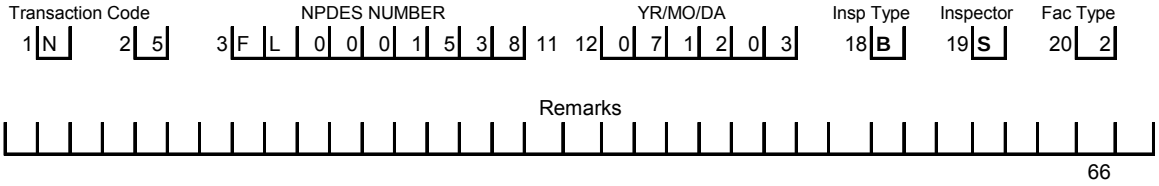
DateSampled	Field ID	Analysis	Component	Result	Remark	Units	MDL	PQL
12/3/2007 12:05	Field Blank	Priority Organic Pollutants	Pentachlorophenol	2.9	U	ug/L	2.9	11
12/3/2007 12:05	Field Blank	Priority Organic Pollutants	Phenol	0.95	U	ug/L	0.95	3.8
12/3/2007 12:05	Field Blank	Priority Organic Pollutants	Pyrene	0.95	U	ug/L	0.95	3.8
12/3/2007 12:05	Field Blank	Priority Organic Pollutants	beta-BHC	1.4	U	ug/L	1.4	5.7
12/3/2007 12:05	Field Blank	Priority Organic Pollutants	4-Chlorophenyl phenyl ether	1.9	U	ug/L	1.9	7.6
12/3/2007 12:05	Field Blank	Priority Organic Pollutants	4-Nitrophenol	14	U	ug/L	14	57
12/3/2007 12:05	Field Blank	Priority Organic Pollutants	Di-n-octyl phthalate	0.95	UJ	ug/L	0.95	3.8
12/3/2007 12:05	Field Blank	Priority Organic Pollutants	Dimethyl phthalate	9.5	U	ug/L	9.5	38
12/3/2007 12:05	Field Blank	Priority Organic Pollutants	Heptachlor	1.4	U	ug/L	1.4	5.7
12/3/2007 12:05	Field Blank	Priority Organic Pollutants	N-Nitrosodi-n-propylamine	1.9	U	ug/L	1.9	7.6
12/3/2007 12:05	Field Blank	Priority Organic Pollutants	Nitrobenzene	1.9	U	ug/L	1.9	7.6
12/3/2007 12:05	Field Blank	Priority Organic Pollutants	gamma-BHC	1.4	U	ug/L	1.4	5.7
12/3/2007 12:05	Field Blank	Priority Organic Pollutants	2,4-Dichlorophenol	0.95	U	ug/L	0.95	3.8
12/3/2007 12:05	Field Blank	Priority Organic Pollutants	2,4-Dimethylphenol	9.5	U	ug/L	9.5	38
12/3/2007 12:05	Field Blank	Priority Organic Pollutants	2-Chlorophenol	0.95	U	ug/L	0.95	3.8
12/3/2007 12:05	Field Blank	Priority Organic Pollutants	2-Nitrophenol	0.95	U	ug/L	0.95	3.8
12/3/2007 12:05	Field Blank	Priority Organic Pollutants	Acenaphthylene	0.95	U	ug/L	0.95	3.8
12/3/2007 12:05	Field Blank	Priority Organic Pollutants	Aldrin	1.4	U	ug/L	1.4	5.7
12/3/2007 12:05	Field Blank	Priority Organic Pollutants	Benzo(k)fluoranthene	0.95	U	ug/L	0.95	3.8
12/3/2007 12:05	Field Blank	Priority Organic Pollutants	Bis(2-chloroethoxy)methane	0.95	U	ug/L	0.95	3.8
12/3/2007 12:05	Field Blank	Priority Organic Pollutants	Bis(2-chloroisopropyl)ether	2.9	U	ug/L	2.9	11
12/3/2007 12:05	Field Blank	Priority Organic Pollutants	Fluoranthene	0.95	UJ	ug/L	0.95	3.8
12/3/2007 12:05	Field Blank	Priority Organic Pollutants	Acenaphthene	0.95	U	ug/L	0.95	3.8
12/3/2007 12:05	Field Blank	Priority Organic Pollutants	Anthracene	0.95	U	ug/L	0.95	3.8
12/3/2007 12:05	Field Blank	Priority Organic Pollutants	Dieldrin	1.4	U	ug/L	1.4	5.7
12/3/2007 12:05	Field Blank	Priority Organic Pollutants	Hexachlorobutadiene	2.9	U	ug/L	2.9	11
12/3/2007 12:05	Field Blank	Priority Organic Pollutants	Hexachlorocyclopentadiene	2.9	U	ug/L	2.9	11
12/3/2007 12:05	Field Blank	Priority Organic Pollutants	Phenanthrene	0.95	U	ug/L	0.95	3.8
12/3/2007 12:05	Field Blank	Priority Organic Pollutants	1,2,4-Trichlorobenzene	0.95	U	ug/L	0.95	3.8
12/3/2007 12:05	Field Blank	Priority Organic Pollutants	2-Chloronaphthalene	0.95	U	ug/L	0.95	3.8
12/3/2007 12:05	Field Blank	Priority Organic Pollutants	2-Methyl-4,6-dinitrophenol	2.9	U	ug/L	2.9	11
12/3/2007 12:05	Field Blank	Priority Organic Pollutants	4,4'-DDE	1.4	U	ug/L	1.4	5.7
12/3/2007 12:05	Field Blank	Priority Organic Pollutants	Benzo(b)fluoranthene	0.95	U	ug/L	0.95	3.8
12/3/2007 12:05	Field Blank	Priority Organic Pollutants	Di-n-butyl phthalate	4.8	U	ug/L	4.8	19

Appendix E. (continued)

DateSampled	Field ID	Analysis	Component	Result	Remark	Units	MDL	PQL
12/3/2007 12:05	Field Blank	Priority Organic Pollutants	Endosulfan I	3.8	U	ug/L	3.8	15
12/3/2007 12:05	Field Blank	Priority Organic Pollutants	alpha-BHC	1.4	U	ug/L	1.4	5.7
12/3/2007 12:05	Field Blank	Priority Organic Pollutants	2,4,6-Trichlorophenol	0.95	U	ug/L	0.95	3.8
12/3/2007 12:05	Field Blank	Priority Organic Pollutants	2,4-Dinitrotoluene	0.95	U	ug/L	0.95	3.8
12/3/2007 12:05	Field Blank	Priority Organic Pollutants	4-Bromophenyl phenyl ether	0.95	U	ug/L	0.95	3.8
12/3/2007 12:05	Field Blank	Priority Organic Pollutants	Benzo(a)anthracene	0.95	U	ug/L	0.95	3.8
12/3/2007 12:05	Field Blank	Priority Organic Pollutants	Endosulfan II	3.8	U	ug/L	3.8	15
12/3/2007 12:05	Field Blank	Priority Organic Pollutants	Endrin	1.4	U	ug/L	1.4	5.7
12/3/2007 12:05	Field Blank	Priority Organic Pollutants	Fluorene	0.95	U	ug/L	0.95	3.8
12/3/2007 12:05	Field Blank	Priority Organic Pollutants	2,4-Dinitrophenol	14	U	ug/L	14	57
12/3/2007 12:05	Field Blank	Priority Organic Pollutants	Benzo(g,h,i)perylene	0.95	U	ug/L	0.95	3.8
12/3/2007 12:05	Field Blank	Priority Organic Pollutants	Bis(2-ethylhexyl)phthalate	14	U	ug/L	14	57
12/3/2007 12:05	Field Blank	Priority Organic Pollutants	Dibenzo(a,h)anthracene	0.95	U	ug/L	0.95	3.8
12/3/2007 12:05	Field Blank	Priority Organic Pollutants	Endosulfan sulfate	1.4	U	ug/L	1.4	5.7
12/3/2007 12:05	Field Blank	Priority Organic Pollutants	N-Nitrosodimethylamine	1.9	U	ug/L	1.9	7.6
12/3/2007 12:05	Field Blank	Priority Organic Pollutants	delta-BHC	1.4	U	ug/L	1.4	5.7
12/3/2007 12:05								

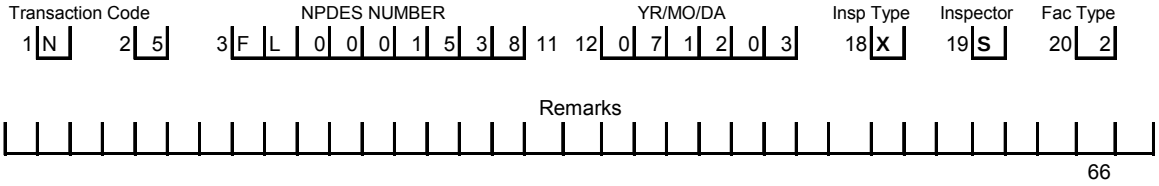
The Bioassay of FPL Port Everglades Plant effluent sampled on December 3, 2007. NPDES #FL0001538.

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



The Priority Pollutants Analysis of FPL Port Everglades Plant effluent sampled on December 3, 2007. NPDES #FL0001538.

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



Biological Analyses of FPL Port Everglades Plant effluent sampled on December 3, 2007. NPDES #FL0001538.

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

