

Bioassays of

Godwin's Gatorland

Orange County

NPDES #FL0043770

Sampled May 3, 2004

September 2004

Biology Section
Bureau of Laboratories
Division of Resource Assessment and Management

Quality Manual No. 870346G
NELAC Certification No. E31780

Godwin's Gatorland, 14501 South Orange Blossom Trail, Orlando, Orange County, Florida, NPDES #FL0043770. Effluent samples for this facility were collected on May 3, 2004.

Introduction

Godwin's Gatorland, which discharges non-process water/stormwater from several display and viewing ponds containing alligators and other animals, has a permitted flow of 3.0 million gallons per day (MGD) average daily flow (ADF) of 6.0 MGD maximum daily flow (MDF). The existing outfall D-001 was eliminated in September 2002. An ultraviolet disinfection system and the construction of a new outfall D-002 (a modified FDOT type H inlet with a 60 inch by 12-inch high weir) were authorized in October 2002. D-002 discharges 1.5 MGD ADF of treated wastewater in addition to stormwater to an impacted onsite wetland in the northern part of the property, thence to a tributary of Mill Slough, a Class III freshwater surface water. The maximum flow at D-002 is "Report" based on stormwater impact. Average effluent flows were 0.896, 0.893, and 0.87 MGD for January, February, and March 2004, respectively. Of the water pumped from the main (northern) viewing pond, Pump Stations P1 and P2 pump the stormwater to outfall D-002. The stormwater pump stations are designed to automatically discharge stormwater whenever the elevation in the main pond exceeds the normal water elevation of 81.44 NGVD. Treated effluent is pumped to outfall D-002 by Pump Stations P3 and P4. Pump Stations P5 and P6 circulate an ADF of 2.0 MGD of water from the main viewing pond to the various exhibits and ponds. Circulation of water at the facility includes: stormwater and runoff from an onsite wetland flows into the breeding pond along with the discharge from the crocodile exhibit. Effluent from the breeding pond flows by gravity to the Hyacinth Pond. Effluent from the Hyacinth Pond flows into the main viewing pond. There are other points in the system where stormwater is introduced, including runoff from Highway 441. The water from the pond system is treated by ultraviolet disinfection to reduce coliforms prior to discharge. The Disinfection system may be bypassed as authorized by the permit for flows above 1.5 MGD. Existing aeration equipment may be used and/or relocated at the permittee's discretion to improve Dissolved Oxygen levels in the effluent (facility information provided by Phil Kane FDEP Central District, Orlando).

Methods

One sample was collected every 6 hours for 24 hours from the D-002 NPDES sampling point by Phil Kane and Steve Kent (FDEP Central District) following DEP-SOP-001/01 FS 2400 Wastewater Sampling. All DEP SOP's are available on the web at: http://www.floridadep.org/labs/qa/sops.htm

The toxicity and algal growth potential tests discussed in this report were performed following internal DEP SOP's TA07_01,TA07_02, and TA08_01 through TA08_06. All internal DEP SOP's are available on the web at: http://www.floridadep.org/labs/cgi-bin/sop/biosop.asp 96-hour acute static renewal toxicity tests were conducted per permit specifications.

Prior to test initiation, each of the bioassay samples was aerated for approximately 30 minutes at a rate of approximately 100 bubbles per minute in order to decrease the dissolved oxygen (DO) concentrations. The DO concentration in each sample was decreased from approximately 10.0 mg/L to approximately 8.0 mg/L. Due to the precipitous decrease in the DO concentrations in each of the *C. leedsi* tests between 48 and 72 hours all *C. leedsi* test replicates were aerated at 72 hours at a rate of approximately 100 bubbles/min for the remainder of the test.

Toxicity Test Results

Tests were performed May 4 - 8, 2004.

Sample 1

Ceriodaphnia dubia 96-hr acute screening bioassay – LC_{50} > 100%, 5% mortality in 100% sample at 96 hours

Cyprinella leedsi 96-hr acute screening bioassay – LC_{50} > 100%, 5% mortality in 100% sample at 96 hours

Sample 2

Ceriodaphnia dubia 96-hr acute screening bioassay – LC_{50} > 100%, 0% mortality in 100% sample at 96 hours

Cyprinella leedsi 96-hr acute screening bioassay – LC_{50} > 100%, 0% mortality in 100% sample at 96 hours

Sample 3

Ceriodaphnia dubia 96-hr acute screening bioassay – LC_{50} > 100%, 0% mortality in 100% sample at 96 hours

Cyprinella leedsi 96-hr acute screening bioassay – LC_{50} > 100%, 0% mortality in 100% sample at 96 hours

Sample 4

Ceriodaphnia dubia 96-hr acute screening bioassay – LC_{50} > 100%, 0% mortality in 100% sample at 96 hours

Cyprinella leedsi 96-hr acute screening bioassay – LC_{50} > 100%, 0% mortality in 100% sample at 96 hours

None of the samples showed acute toxicity to either test species, according to permit criteria.

See Appendix 1 for bioassay bench sheets.

Algal Growth Potential

The effluent AGP was 14.2 mg dry wt/L of the unicellular green alga, *Pseudokirchneriella subcapitata*, formerly known as *Selenastrum capricornutum*. Raschke and Shultz (1987) found that Algal Growth Potential (AGP) values above 5.0 mg dry weight/L represent a “problem” threshold for fresh receiving waters, implying nutrient enrichment. Analytical nutrient chemistry data reveals that the effluent is nitrogen limited. The predicted AGP based on the nitrogen concentration was 15.2 (±20%) mg dry wt/L (Table 1). The difference between the actual and the predicted AGP values suggests that there is no algal growth inhibition.

See Table 1 for analysis of Algal Growth Potential results.

Chemistry Results

Total residual chlorine was not detected in the bioassay samples in the laboratory. Total ammonia was detected in samples one, two, and four at concentrations of 0.118 mg/L, 0.116 mg/L, and 0.101 mg/L, respectively. The total ammonia concentration in the sample collected and preserved for chemical analyses was 0.28 mg/L. The calculated unionized ammonia concentration was 0.01 mg/L.

Aluminum, copper, iron, lead, and zinc were detected in the effluent sample at levels that complied with Class III Freshwater Quality Criteria (62-302.530 F.A.C.; Table 2).

Total Recoverable Petroleum Hydrocarbons (TRPH), arsenic, and chromium-III were detected in the effluent sample at levels between the laboratory method detection limit and the laboratory practical quantitation limit.

The dissolved oxygen detected in the effluent sample (4.5 mg/L) was less than the minimum required concentration ($\geq$ 5.0 mg/L; 62-302.530[31], F.A.C.) for Class III Freshwater Quality Criteria and the effluent limit. The conductivity in the effluent sample (2,834 µmhos/cm) exceeded the Class III Fresh Water Quality Criteria ($\leq$ 1,275 µmhos/cm; 62-302.530[23], F.A.C.).

See Table 2 for results of analytes detected in the effluent.

See Appendix 2 for a complete list of chemical analyses performed.

Conclusion

The effluent samples collected from this facility on May 3, 2004 did not show acute toxicity to either test species during the 96-hour bioassay tests. The effluent AGP result exceeded the "problem" threshold for fresh receiving waters.

Dissolved oxygen and conductivity levels in the effluent sample exceeded Class III Freshwater Quality Criteria. Several metals were detected at concentrations that complied with Class III Freshwater criteria.

Literature Cited

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 1. *Measured and predicted algal growth potential (AGP) for total soluble inorganic nitrogen (TSIN) limitation for the sample of effluent collected from Godwin's Gatorland, Inc. on May 3, 2004.*

Location	AGP (measured)	Predicted AGP (TSIN) ± 20%	Inorganic N:P ratio
Effluent Samples	14.2	15.2 ± 3.04	3.08

Table 2. *Effluent limits, Class III Criteria and chemical data from samples collected from Godwin's Gatorland sampled on May 3, 2004.*

Godwin's Gatorland, Inc.	Class III Freshwater Stds	Effluent Limits	Effluent Samples
Organic Constituents (µg/L)			
TRPH	-	-	0.36 I
Metals (µg/L unless otherwise noted)			
Aluminum	-	-	653
Arsenic	≤ 50	-	5.7 I
Cadmium	≤ 1.4 b	-	0.025 U
Calcium (mg/L)	-	-	44.1
Chromium-III	≤ 110.1 b	-	3.7 I
Copper	≤ 12 b	-	3.1
Iron	≤ 1000	-	221
Lead	≤ 4.7 b	-	1.6
Magnesium (mg/L)	-	-	6
Nickel	≤ 67.2 b	-	2 U
Selenium	≤ 5	-	1 U
Silver	≤ 0.07	-	0.02 U
Zinc	≤ 154.3 b	-	10.4
Nutrients (mg/L)			
Ortho-phosphate	-	-	0.13
Total Phosphorus	-	-	0.33
Ammonia	-	-	0.28 A
Unionized Ammonia	≤ 0.02	-	0.01 c
Nitrate+Nitrite	-	-	0.12
Total Kjeldahl Nitrogen	-	-	1.4
Organic Nitrogen	-	-	1.12 c
Total Nitrogen	-	-	1.52 c
General Physical and Chemical Parameters			
Dissolved Oxygen (mg/L)	≥ 5	≥ 5	4.5
pH (S.U.)	6.0 - 8.5	6.0 - 8.5	7.4
Conductivity (umhos/cm)	≤ 1275	-	2834
Temperature (C)	-	-	25.6
Hardness (mg/L)	-	-	134.8 c
AGP (mg DryWt/L)	-	-	14.2 A
Chlorine (100% sample) lab	≤ 0.01	-	≤ 0.03 U

Value does not meet the Class III Fresh Water Quality Criteria

b - Valud is calculated based on hardness.

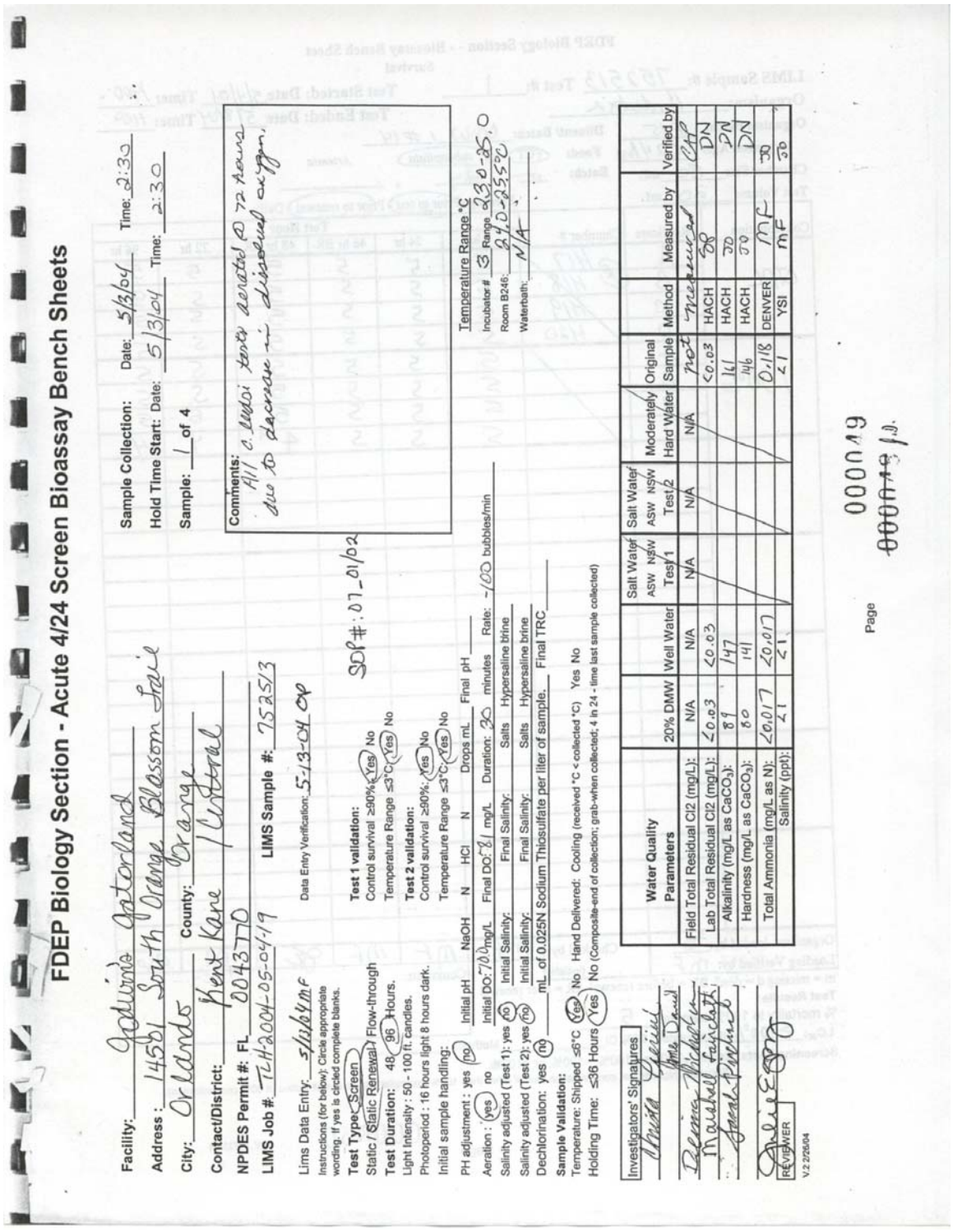
c - Calculated value.

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.

U - Material analyzed for but not detected; value reported is the minimum detection limit

Appendix 1: Bench Sheets



FDEP Biology Section - Acute 4/24 Screen Bioassay Bench Sheets

Facility: Jodwin Gatorland
Address: 14501 South Orange Blossom Trail
City: Orlando County: Orange
Contact/District: Kent Kane / Central
NPDES Permit #: FL 0043770
LIMS Job #: TLH-20041105-04-19 LIMS Sample #: 753513

Sample Collection: Date: 5/3/04 Time: 2:30
Hold Time Start: Date: 5/3/04 Time: 2:30
Sample: 1 of 4

Comments: All C. dubia tests aerated @ 72 hours due to decrease in dissolved oxygen.

Lims Data Entry: shidgins Data Entry Verification: 5-13-04 CP

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.
Light Intensity : 50 - 100 ft. candles.
Photoperiod : 16 hours light 8 hours dark.
Initial sample handling:

Test 1 validation:
Control survival ≥90%: (Yes) No
Temperature Range ≤3°C: (Yes) No
SOP #: 07_01/02

Test 2 validation:
Control survival ≥90%: (Yes) No
Temperature Range ≤3°C: (Yes) No

PH adjustment : yes (no) Initial pH NaOH N HCl N Drops mL Final pH
Aeration : (yes) no Initial DO: 7.0 mg/L Final DO: 8.1 mg/L Duration: 20 minutes Rate: ~100 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

Temperature Range °C
Incubator # 13 Range 23.0-25.0
Room B246: 24.0-25.5°C
Waterbath: N/A

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)

Investigators' Signatures
Brenda Speed
Rebecca Richardson
Maurice Fairchild
Jane Dowd

Water Quality Parameters	20% DMW	Well Water	Salt Water ASW NSW Test 1	Salt Water ASW NSW Test 2	Moderately Hard Water	Original Sample	Method	Measured by	Verified by
Field Total Residual Cl2 (mg/L):	N/A	N/A	N/A	N/A	N/A	not measured		BS	CP
Lab Total Residual Cl2 (mg/L):	<0.03	<0.03				<0.03	HACH	BS	DN
Alkalinity (mg/L as $CaCO_3$):	89	147				141	HACH	JD	DN
Hardness (mg/L as $CaCO_3$):	80	141				146	HACH	JD	DN
Total Ammonia (mg/L as N):	<0.017	<0.017				0.118	DENVER	MF	JD
Salinity (ppt):	<1	<1				<1	YSI	MF	JD

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FDEP Biology Section - - Bioassay Bench Sheet
Survival

LIMS Sample #: 752513 **Test #:** 1 **Test Started: Date** 5/4/04 **Time:** 1400
Organism: C. dubia **Test Ended: Date** 5/8/04 **Time:** 1100
Organism Batch: #15 **Diluent/ Batch:** DMW 1 #14
Organism Age: <24hr **Food:** (YCT) (*P. subcapitata*) *Artemia*
Chamber Size 30 mL **Batch:** 2 24
Test Volume 20 mL **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	H17	5	5	5	5	5	5
	B	H18	5	5	5	5	5	5
	C	H19	5	5	5	5	5	5
	D	H20	5	5	5	5	5	5
100%	A		5	5	5	5	5	5
	B		5	5	5	5	5	5
	C		5	5	5	5	5	5
	D		5	5	5	4 IM	4	4

Organisms loaded by: JD Checked by: MF MF MF DN CKP
Loading Verified by: MF (initials)

m = missing d = dead BR = before renewal AR = after renewal

Comments:

Test Results:
% mortality in 100% sample 5
LC_{50}: >100% If Calculated: 95% CI Method:

Screening Tests: Report LC50 as >100%, =100%, or <100%.
Substitue highest test concentration used if other than 100% (example: Ocean outfall tested at 30% concentration).

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FDEP Biology Section - - Bioassay Bench Sheet

Survival

LIMS Sample #: 752513 **Test #:** 2

Test Started: Date 5/4/04 **Time:** 1400

Test Ended: Date 5/8/04 **Time:** 1030

Organism: C. leedsi

Organism Batch: 10 **Diluent/ Batch:** Well , N/A

Organism Age: <24 days **Food:** YCT *P. subcapitata* , (*Artemia*)

Batch: ___ ___ , 0194025G

Chamber Size 1000 **mL**

Test Volume 500 **mL**

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	H17	10	10	10	10	10	10
	B	H18	10	10	10	10	10	10
	~~C~~	(CAP) ~~H19~~						
	~~D~~	~~H20~~						
100%	A	H21	10	10	10	10	9 1D	9
	B	H22	10	10	10	10	10	10
	~~C~~							
	~~D~~							
Organisms loaded by: JD Loading Verified by: MF		Checked by: (initials)	MF	DN	DN	MF	CAP	CAP

Comments:

m = missing d = dead BR = before renewal AR = after renewal

Test Results:

% mortality in 100% sample 5

LC_{50}: >100 % If Calculated: 95% CI________ Method:________

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

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

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Bioassay Parameters

LIMS Sample # : 752513 **Test # :** 1 **of** 2

TEST SOP: TA07_ 01 **Test Species:** (*Ceriodaphnia dubia*) *Cyprinella leedsi* *Pimephales promelas* *Americamysis bahia* *Menidia beryllina* Other:_____

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Concentration CTRL	0 Hr.	24 Hr.	48 Hr. before renewal	48 Hr. after renewal	72 Hr.	96 Hr.
Replicate	A		A	A		A
pH (S.U.)	7.6		7.6	7.6		7.7
Temperature °C	24.0		24.1	24.7		24.4
Dissolved Oxygen mg/L	7.8		7.0	7.2		7.0
Conductivity (µmhos) mmhos	180		190	180		190
(initials) Measured by:	CAP		CAP	MK		CAP
(initials) Recorded by:	CAP		CAP	DN		CAP

Comments:

Concentration 100%	0 Hr.	24 Hr.	48 Hr. before renewal	48 Hr. after renewal	72 Hr.	96 Hr.
Replicate	A		A	A		A
pH (S.U.)	7.9		7.9	8.0		7.9
Temperature °C	24.0		24.2	24.3		24.4
Dissolved Oxygen mg/L	7.3		6.6	7.6		7.0
Conductivity (µmhos) mmhos	~~290~~ 290 CAP		315	320		325
(initials) Measured by:	CAP		CAP	MK		CAP
(initials) Recorded by:	CAP		CAP	DN		CAP

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:

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Bioassay Parameters

LIMS Sample # : 752513 **Test #:** 2 **of** 2

TEST SOP: TA07_ 02 **Test Species:** *Ceriodaphnia dubia* *Cyprinella leedsi* *Pimephales promelas* *Americamysis bahia* *Menidia beryllina* Other:

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Concentration CTRL	0 Hr.	24 Hr.	48 Hr. before renewal	48 Hr. after renewal	72 Hr.	96 Hr.
Replicate	A	B	A	A	B	A
pH (S.U.)	7.7	7.9	7.8	7.7	7.7	7.7
Temperature °C	24.5	25.8	24.0	24.4	24.0	24.2
Dissolved Oxygen mg/L	8.0	7.0	7.7	7.8	6.2	6.7
Conductivity µmhos mmhos	250	280	280	260	275	275
(initials) Measured by:	CAP	CAP	DN	MF	DN	CAP
(initials) Recorded by:	CAP	DN	CAP	MF	DN	CAP

Comments:

Concentration 100%	0 Hr.	24 Hr.	48 Hr. before renewal	48 Hr. after renewal	72 Hr.	96 Hr.
Replicate	A	B	A	A	B	A
pH (S.U.)	8.0	8.1	7.8	8.0	7.7	7.8
Temperature °C	24.5	24.7	25.5	24.4	24.4	24.6
Dissolved Oxygen mg/L	8.0	7.0	6.4	7.7	4.8	6.4
Conductivity µmhos mmhos	300	330	340	330	330	340
(initials) Measured by:	CAP	CAP	DN	MF	DN	CAP
(initials) Recorded by:	CAP	DN	CAP	MF	DN	CAP

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:

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FDEP Biology Section - Acute 4/24 Screen Bioassay Bench Sheets

Facility: Godwin's Gatorland

Sample Collection: Date: 5/3/04 Time: 2:30

Hold Time Start: Date: 5/3/04 Time: 2:30

LIMS Job #: TLH-2004-05-04-19 **LIMS Sample #:** 752507

Sample: 2 of 4

Lims Data Entry: 5/13/04 mf

Data Entry Verification: 5-13-04 CAP

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

Comments:

SOP#:07_01/02

Test 1 validation:
Control survival ≥90%: (Yes) No
Temperature Range ≤3°C: (Yes) No

Test 2 validation:
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: 7.3 mg/L Final DO: 7.1 mg/L Duration: 30 minutes Rate: ~100 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) Sodium Thiosulfate added: ml/L

Water Quality Parameters	Original Sample	Method	Measured by	Verified by
Field Total Residual Cl2 (mg/L):	not measured		—	CAP
Lab Total Residual Cl2 (mg/L):	<0.03	HACH	SP	DN
Alkalinity (mg/L as $CaCO_3$):	165	HACH	DN	CAP
Hardness (mg/L as $CaCO_3$):	150	HACH	DN	CAP
Total Ammonia (mg/L as N):	0.116	DENVER	mf	JD
Salinity (ppt):	<1	YSI	mf	JD

FDEP Biology Section - - Bioassay Bench Sheet
Survival

LIMS Sample #: 752507 Test #: 1
Test Started: Date 5/4/04 Time: 1415
Test Ended: Date 5/8/04 Time: 945
Organism: C. dubia
Organism Batch: # 15 Diluent/ Batch: DMW 1 #14
Organism Age: <24 hrs. Food: YCT (circled) *P. subcapitata* *Artemia*
Batch: 2 24
Chamber Size 30 mL
Test Volume 20 mL
Feeding: Prior to test (circled) - Prior to renewal (circled) - Daily

Concentration	Replicate	Chamber #	0 hr	24 hr	48 hr BR	48 hr AR	72 hr	96 hr
CTRL	A		5	5	5	5	5	5
	B		5	5	5	5	5	5
	C		5	5	5	5	5	5
	D		5	5	5	5	4 1D	4
100%	A		5	5	5	5	5	5
	B		5	5	5	5	5	5
	C		5	5	5	5	5	5
	D		5	5	5	5	5	5
Checked by: (initials)			mF	mF	mF	JE	DN	CAO

Organisms loaded by: JD
Loading Verified by: mF
Comments:

m = missing d = dead BR = before renewal AR = after renewal

Test Results:
% mortality in 100% sample Ø
LC_{50}: >100% If Calculated: 95% CI____ Method:____
Screening Tests: Report LC50 as >100%, =100%, or <100%.
Substitue highest test concentration used if other than 100% (example: Ocean outfall tested at 30% concentration).

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FDEP Biology Section - - Bioassay Bench Sheet
Survival

LIMS Sample #: 752507 **Test #:** 2 **Test Started: Date** 5/4/04 **Time:** 1400
Organism: C. dubia **Test Ended: Date** 5/8/04 **Time:** 950
Organism Batch: 10 **Diluent/ Batch:** Well 1 N/A
Organism Age: 24 **Food:** YCT *P. subcapitata* Artemia
Chamber Size 1000 mL **Batch:** 0194025G
Test Volume 500 mL **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	G8	10	9 10	9	9	9	9
	B	G7	10	10	10	10	10	10
	C (CAP)	~~G6~~						
	D	G5						
100%	A	G4	10	10	10	10	10	10
	B	G3	10	10	10	10	10	10
	C (CAP)							
	D							
Organisms loaded by: SD		Checked by:	MF	DN	DN	MF	CAP	CAP
Loading Verified by: MF		(initials)						

m = missing d = dead BR = before renewal AR = after renewal

Comments:

Test Results:
% mortality in 100% sample Ø
LC_{50}: >100% If Calculated: 95% CI _____ Method: _____

Screening Tests: Report LC50 as >100%, =100%, or <100%.
Substitue highest test concentration used if other than 100% (example: Ocean outfall tested at 30% concentration).

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Bioassay Parameters

LIMS Sample # : 752507 Test # : 1 of 2

TEST SOP: TA07_01_ Test Species: Ceriodaphnia dubia Cyprinella leedsi Pimephales promelas Americamysis bahia Menidia beryllina Other:

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Concentration CTRL	0 Hr.	24 Hr.	48 Hr. before renewal	48 Hr. after renewal	72 Hr.	96 Hr.
Replicate	A		A	A		A
pH (S.U.)	7.9		7.9	7.8		7.9
Temperature °C	24.0		24.0	24.6		24.4
Dissolved Oxygen mg/L	7.8		6.7	7.6		7.1
Conductivity µmhos mmhos	170		180	180		190
(initials) Measured by:	CAP		CAP	MA		CAP
(initials) Recorded by:	CAP		CAP	DN		CAP

Comments:

Concentration 100%	0 Hr.	24 Hr.	48 Hr. before renewal	48 Hr. after renewal	72 Hr.	96 Hr.
Replicate	A		A	A		A
pH (S.U.)	8.0		8.0	8.0		7.9
Temperature °C	24.1		24.3	24.6		24.2
Dissolved Oxygen mg/L	8.1		6.7	7.7		7.0
Conductivity µmhos mmhos	290		320	330		335
(initials) Measured by:	CAP		CAP	MA		CAP
(initials) Recorded by:	CAP		CAP	DN		CAP

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:

000058

V.1 2/24/04

Bioassay Parameters

LIMS Sample # : 752507 **Test #:** 2 **of** 2

TEST SOP: TA07 02 **Test Species:** *Ceriodaphnia dubia* *Cyprinella leedsi* *Pimephales promelas* *Americamysis bahia* *Menidia beryllina* Other:

V.1 2/24/04

Concentration CTRL	0 Hr.	24 Hr.	48 Hr. before renewal	48 Hr. after renewal	72 Hr.	96 Hr.
Replicate	A	B	A	A	B	A
pH (S.U.)	7.6	8.0	7.9	7.7	7.6	7.8
Temperature °C	24.2	24.6	24.2	24.3	24.0	24.4
Dissolved Oxygen mg/L	7.8	7.0	7.8	7.9	5.8	6.8
Conductivity µmhos mmhos	270	260	270	270	270	280
(initials) Measured by:	CAP	CAP	DN	MF	DN	CAP
(initials) Recorded by:	CAP	DN	CAP	MF	DN	CAP

Comments:

Concentration 100%	0 Hr.	24 Hr.	48 Hr. before renewal	48 Hr. after renewal	72 Hr.	96 Hr.
Replicate	A	B	A	A	B	A
pH (S.U.)	7.6	8.1	7.9	8.0	7.8	7.9
Temperature °C	24.4	24.3	24.8	24.5	24.4	24.2
Dissolved Oxygen mg/L	8.0	7.1	7.1	7.9	5.5	6.5
Conductivity µmhos mmhos	290	330	340	330	340	340
(initials) Measured by:	CAP	CAP	DN	MF	DN	CAP
(initials) Recorded by:	CAP	DN	CAP	MF	DN	CAP

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:

V.1 2/24/04

000059

FDEP Biology Section - Acute 4/24 Screen Bioassay Bench Sheets

Facility: Godwin's Gatorland

Sample Collection: Date: 5/3/04 Time: 2:30

Hold Time Start: Date: 5/3/04 Time: 2:30

LIMS Job #: TLH-2004-05-0419 **LIMS Sample #:** 752508

Sample: 3 of 4

Lims Data Entry: 5/13/04 MF

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

Data Entry Verification: 5-13-04 CAP

Comments:

Test 1 validation:
Control survival ≥90%: (Yes) No
Temperature Range ≤3°C: (Yes) No

Test 2 validation:
Control survival ≥90%: (Yes) No
Temperature Range ≤3°C: (Yes) No

SOP#:07_01/02

Initial sample handling:
PH adjustment : yes (no) Initial pH NaOH N HCl N Drops mL Final pH
Aeration : (yes) no Initial DO: 7.8 mg/L Final DO: 7.1 mg/L Duration: 30 minutes Rate: ~100 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) Sodium Thiosulfate added: ml/L

Water Quality Parameters	Original Sample	Method	Measured by	Verified by
Field Total Residual Cl2 (mg/L):	not measured		—	CAP
Lab Total Residual Cl2 (mg/L):	<0.03	HACH	SD	DN
Alkalinity (mg/L as $CaCO_3$):	163	HACH	DN	CAP
Hardness (mg/L as $CaCO_3$):	121	HACH	DN	CAP
Total Ammonia (mg/L as N):	<0.0525	DENVER	MF	JD
Salinity (ppt):	<1	YSI	MF	SD

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FDEP Biology Section - - Bioassay Bench Sheet
Survival

LIMS Sample #: 752508 **Test #:** 1 **Test Started: Date** 5/4/04 **Time:** 1425

Organism: C. dubia **Test Ended: Date** 5/8/04 **Time:** 930

Organism Batch: #15 **Diluent/ Batch:** TMW, #14

Organism Age: <24 hrs **Food:** (YCT) (*P. subcapitata*) *Artemia*

Chamber Size 30 **mL** **Batch:**

Test Volume 20 **mL** **Feeding:** (Prior to test) - (Prior to renewal) - Daily

Concentration	Replicate	Chamber #	0 hr	24 hr	48 hr BR	48 hr AR	72 hr	96 hr
			Test Hour					
CTRL	A		5	5	5	5	5	5
	B		5	5	5	5	5	5
	C		5	5	5	5	5	5
	D		5	5	5	5	5	5
100%	A		5	5	5	5	5	5
	B		5	5	5	5	5	5
	C		5	5	5	5	5	5
	D		5	5	5	5	5	5
Organisms loaded by: MF Loading Verified by: DN	Checked by: (initials)		DN	MF	MF	[illegible]	DN	CW

m = missing d = dead BR = before renewal AR = after renewal

Comments:

Test Results:

% mortality in 100% sample Ø

LC_{50}: ≥100% If Calculated: 95% CI ______ Method: ______

Screening Tests: Report LC50 as >100%, =100%, or <100%.
Substitue highest test concentration used if other than 100% (example: Ocean outfall tested at 30% concentration).

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FDEP Biology Section - - Bioassay Bench Sheet
Survival

LIMS Sample #: 752508 Test #: 2 Test Started: Date 5/4/04 Time: 1400
Organism: C. dubia Test Ended: Date 5/8/04 Time: 915
Organism Batch: 10 Diluent/ Batch: Well / N/A
Organism Age: <24 Food: YCT P. subcapitata Artemia
Chamber Size 1000 mL Batch: 01940254
Test Volume 500 mL Feeding: Prior to test - Prior to renewal - Daily

Concentration	Replicate	Chamber #	0 hr	24 hr	48 hr BR	48 hr AR	72 hr	96 hr
CTRL	A	E9	10	10	10	10	10	10
	B	E10	10	10	10	10	10	10
	~~C~~	~~E11~~						
	~~D~~	E12						
100%	A	E13	10	10	10	10	10	10
	B	E14	10	10	10	10	10	10
	~~C~~							
	~~D~~							
Organisms loaded by: JD		Checked by: (initials)	DN	DN	CAP	MF	CAP	CAP

Loading Verified by: DN

Comments:

m = missing d = dead BR = before renewal AR = after renewal

Test Results:

% mortality in 100% sample Ø

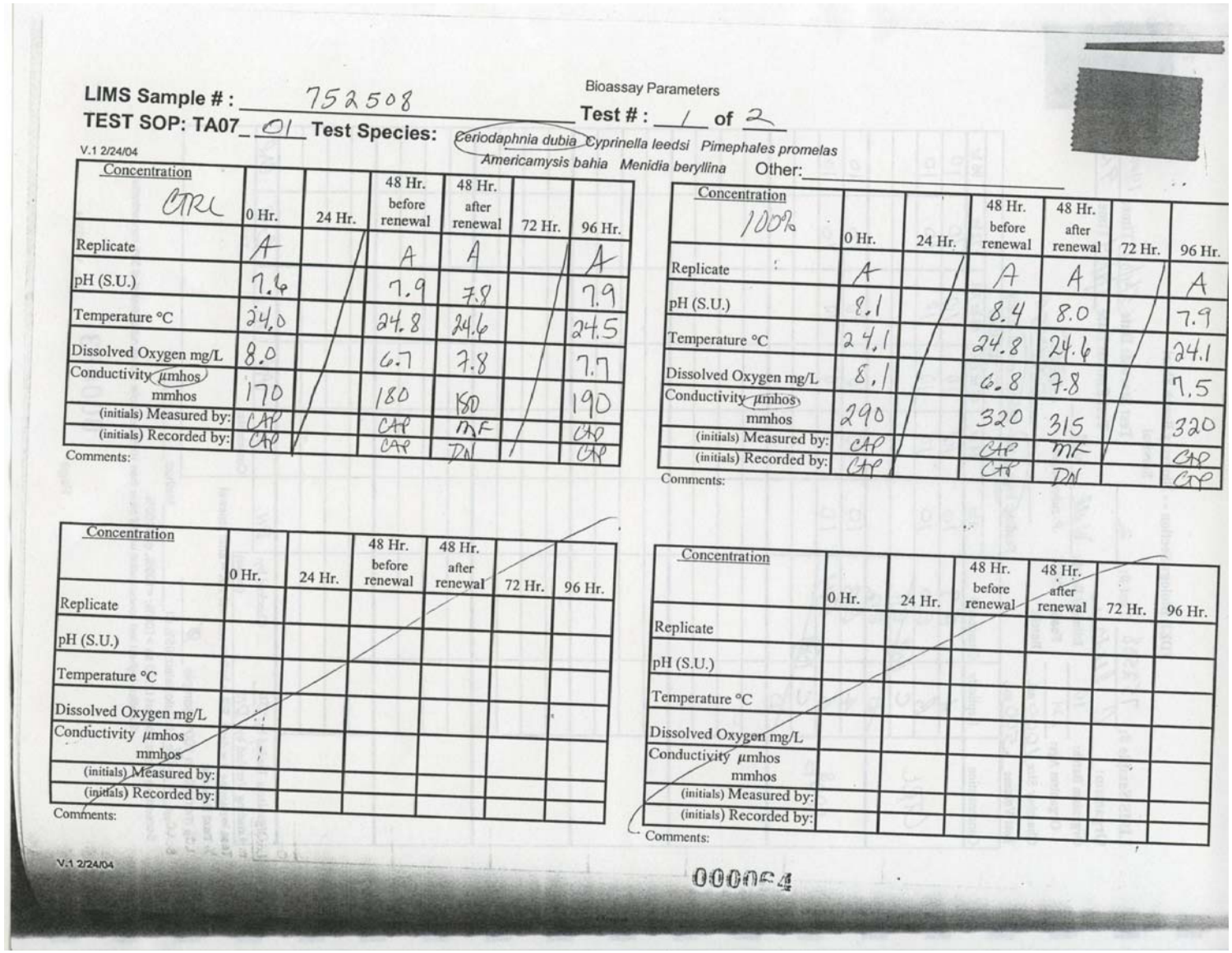
LC_{50}: >100% If Calculated: 95% CI ______ Method: ______

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

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

000063

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LIMS Sample # : 752508

Bioassay Parameters

TEST SOP: TA07_01 Test Species: Ceriodaphnia dubia Cyprinella leedsi Pimephales promelas Americamysis bahia Menidia beryllina Other:

Test # : 1 of 2

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Concentration CTRL	0 Hr.	24 Hr.	48 Hr. before renewal	48 Hr. after renewal	72 Hr.	96 Hr.
Replicate	A		A	A		A
pH (S.U.)	7.6		7.9	7.8		7.9
Temperature °C	24.0		24.8	24.6		24.5
Dissolved Oxygen mg/L	8.0		6.7	7.8		7.7
Conductivity µmhos mmhos	170		180	180		190
(initials) Measured by:	CAP		CAP	MF		CAP
(initials) Recorded by:	CAP		CAP	DN		CAP

Comments:

Concentration 100%	0 Hr.	24 Hr.	48 Hr. before renewal	48 Hr. after renewal	72 Hr.	96 Hr.
Replicate	A		A	A		A
pH (S.U.)	8.1		8.4	8.0		7.9
Temperature °C	24.1		24.8	24.6		24.1
Dissolved Oxygen mg/L	8.1		6.8	7.8		7.5
Conductivity µmhos mmhos	290		320	315		320
(initials) Measured by:	CAP		CAP	MF		CAP
(initials) Recorded by:	CAP		CAP	DN		CAP

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:

V.1 2/24/04

000054

Bioassay Parameters

LIMS Sample # : 752508 **Test # :** 2 **of** 2

TEST SOP: TA07_ 02 **Test Species:** *Ceriodaphnia dubia* (*Cyprinella leedsi*) *Pimephales promelas* *Americamysis bahia* *Menidia beryllina* Other:

V.1 2/24/04

Concentration CTRL	0 Hr.	24 Hr.	48 Hr. before renewal	48 Hr. after renewal	72 Hr.	96 Hr.
Replicate	A	B	A	A	B	A
pH (S.U.)	7.7	8.1	7.9	7.7	7.7	7.8
Temperature °C	24.2	25.2	24.4	24.2	24.1	24.7
Dissolved Oxygen mg/L	7.8	7.2	6.8	8.1	5.2	6.8
Conductivity (µmhos) mmhos	265	275	280	270	270	275
(initials) Measured by:	CAP	CAP	DN	MF	DN	CAP
(initials) Recorded by:	CAP	DN	CAP	MF	DN	CAP

Comments:

Concentration 100%	0 Hr.	24 Hr.	48 Hr. before renewal	48 Hr. after renewal	72 Hr.	96 Hr.
Replicate	A	B	A	A	B	A
pH (S.U.)	8.1	8.2	8.0	8.0	7.8	7.8
Temperature °C	24.3	25.0	24.3	24.6	24.3	24.6
Dissolved Oxygen mg/L	7.9	7.2	6.8	7.9	4.6	6.3
Conductivity (µmhos) mmhos	315	340	340	335	355	350
(initials) Measured by:	CAP	CAP	DN	MF	DN	CAP
(initials) Recorded by:	CAP	DN	CAP	MF	DN	CAP

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:

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FDEP Biology Section - Acute 4/24 Screen Bioassay Bench Sheets

Facility: Godwin's Gatorland

Sample Collection: Date: 5/3/04 Time: 2:30

Hold Time Start: Date: 5/3/04 Time: 2:30

LIMS Job #: TLH-2004-05-04-19 **LIMS Sample #:** 752509

Sample: 4 of 4

Lims Data Entry: 5/13/04 MF

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

Data Entry Verification: 5-13-04 CAP

Comments:

Test 1 validation:
Control survival ≥90%: (Yes) No
Temperature Range ≤3°C: (Yes) No

Test 2 validation:
Control survival ≥90%: (Yes) No
Temperature Range ≤3°C: (Yes) No

SOP#: 07_01/02

Initial sample handling:

PH adjustment : yes (no) Initial pH NaOH N HCl N Drops mL Final pH

Aeration : (yes) no Initial DO: 10.5 mg/L Final DO: 8.1 mg/L Duration: 30 minutes Rate: ~100 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) Sodium Thiosulfate added: ml/L

Water Quality Parameters	Original Sample	Method	Measured by	Verified by
Field Total Residual Cl2 (mg/L):	not measured		—	CAP
Lab Total Residual Cl2 (mg/L):	<0.03	HACH	DN	SP
Alkalinity (mg/L as $CaCO_3$):	145	HACH	DN	CAP
Hardness (mg/L as $CaCO_3$):	130	HACH	DN	CAP
Total Ammonia (mg/L as N):	0.101	DENVER	MF	SD
Salinity (ppt):	<1	YSI	MF	SD

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FDEP Biology Section - - Bioassay Bench Sheet
Survival

LIMS Sample #: 752509 Test #: 1
Organism: C. dubia
Organism Batch: #15 Diluent/ Batch: DMW 1 #14
Organism Age: <24 hrs Food: YCT P. subcapitata Artemia
Chamber Size 30 mL Batch: 2 24
Test Volume 20 mL

Test Started: Date 5/4/04 Time: ~~1435~~ 1420 tiny reading mf error 5/4/04
Test Ended: Date 5/7/04 Time: 900

Feeding: Prior to test - Prior to renewal - Daily

Concentration	Replicate	Chamber #	0 hr	24 hr	48 hr BR	48 hr AR	72 hr	96 hr
CTRL	A		5	5	5	5	5	5
	B		5	5	5	5	5	5
	C		5	5	5	5	5	5
	D		5	5	5	5	5	5
100%	A		5	5	5	5	5	5
	B		5	5	5	5	5	5
	C		5	5	5	5	5	5
	D		5	5	5	5	5	5
Organisms loaded by: MF Loading Verified by: DN		Checked by: (initials)	DN	MF	MF	JE	DN	CAP

m = missing d = dead BR = before renewal AR = after renewal

Comments:

Test Results:

% mortality in 100% sample 0

LC_{50}: ≥100% If Calculated: 95% CI______ Method:______

Screening Tests: Report LC50 as >100%, =100%, or <100%.
Substitue highest test concentration used if other than 100% (example: Ocean outfall tested at 30% concentration).

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FDEP Biology Section - - Bioassay Bench Sheet

Survival

LIMS Sample #: 752509 Test #: 2 Test Started: Date 5/4/04 Time: 1400

Organism: C. dubia Test Ended: Date 5/11/04 Time: 920

Organism Batch: 10 Diluent/ Batch: Well / N/A

Organism Age: <24 hrs Food: YCT *P. subcapitata* *Artemia* 0194025G

Chamber Size 1000 mL Batch: ___ ___ ___

Test Volume 500 mL 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	E17	10	10	10	10	10	10
	B	E18	10	10	10	10	10	10
	~~C~~ (CAP)	~~E19~~						
	~~D~~ (CAP)	E20						
100%	A	E21	10	10	10	10	10	10
	B	E22	10	10	10	10	10	10
	C (CAP)							
	D							
Organisms loaded by: SD		Checked by:	DN	MF	CAP	MF	CAP	CAP
Loading Verified by: DN		(initials)						

Comments:

m = missing d = dead BR = before renewal AR = after renewal

Test Results:

% mortality in 100% sample Ø

LC_{50}: >100% If Calculated: 95% CI ___ Method: ___

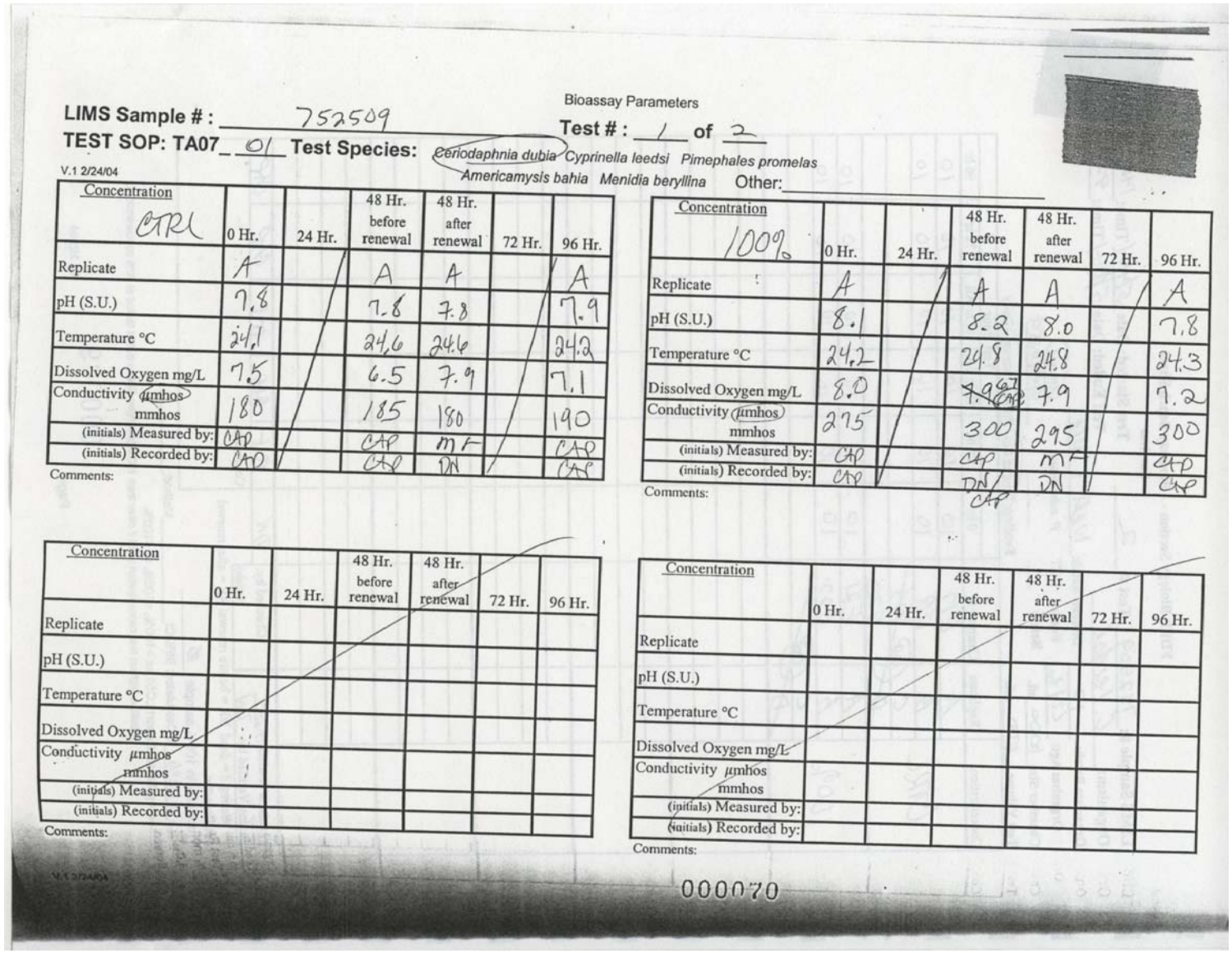
Screening Tests: Report LC50 as >100%, =100%, or <100%.

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

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Bioassay Parameters

LIMS Sample # : 752509

Test # : 1 of 2

TEST SOP: TA07_ 01 Test Species: Ceriodaphnia dubia Cyprinella leedsi Pimephales promelas Americamysis bahia Menidia beryllina Other:

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Concentration CTRL	0 Hr.	24 Hr.	48 Hr. before renewal	48 Hr. after renewal	72 Hr.	96 Hr.
Replicate	A		A	A		A
pH (S.U.)	7.8		7.8	7.8		7.9
Temperature °C	24.1		24.6	24.6		24.2
Dissolved Oxygen mg/L	7.5		6.5	7.9		7.1
Conductivity µmhos mmhos	180		185	180		190
(initials) Measured by:	CAP		CAP	MF		CAP
(initials) Recorded by:	CAP		CAP	DN		CAP

Comments:

Concentration 100%	0 Hr.	24 Hr.	48 Hr. before renewal	48 Hr. after renewal	72 Hr.	96 Hr.
Replicate	A		A	A		A
pH (S.U.)	8.1		8.2	8.0		7.8
Temperature °C	24.2		24.8	24.8		24.3
Dissolved Oxygen mg/L	8.0		7.9 CAP	7.9		7.2
Conductivity µmhos mmhos	275		300	295		300
(initials) Measured by:	CAP		CAP	MF		CAP
(initials) Recorded by:	CAP		DN/CAP	DN		CAP

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:

V.1 2/24/04

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Bioassay Parameters

LIMS Sample # : 752509 **Test # :** 2 **of** 2

TEST SOP: TA07_ ~~02~~ **Test Species:** *Ceriodaphnia dubia* *Cyprinella leedsi* *Pimephales promelas* *Americamysis bahia* *Menidia beryllina* Other:_____

V.1 2/24/04

Concentration CTRL	0 Hr.	24 Hr.	48 Hr. before renewal	48 Hr. after renewal	72 Hr.	96 Hr.
Replicate	A	B	A	A	B	
pH (S.U.)	7.7	8.0	8.0	7.7	7.8	7.7
Temperature °C	24.2	24.7	25.4	24.2	24.0	24.2
Dissolved Oxygen mg/L	8.0	7.2	8.4	8.1	6.0	6.8
Conductivity (µmhos) mmhos	265	270	280	270	275	270
(initials) Measured by:	CAP	CAP	DN	MF	DN	CAP
(initials) Recorded by:	CAP	DN	CAP	MF	DN	CAP

Comments:

Concentration 100%	0 Hr.	24 Hr.	48 Hr. before renewal	48 Hr. after renewal	72 Hr.	96 Hr.
Replicate	A	B	A	A	B	A
pH (S.U.)	8.3	8.0	8.0	8.0	7.8	7.9
Temperature °C	24.4	24.0	24.6	24.7	24.3	24.1
Dissolved Oxygen mg/L	8.1	6.8	7.7	7.9	5.2	6.3
Conductivity (µmhos) mmhos	290	310	310	310	335	340
(initials) Measured by:	CAP	CAP	DN	MF	DN	CAP
(initials) Recorded by:	CAP	DN	CAP	MF	DN	CAP

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:

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Appendix 2. Chemical Analyses performed on the effluent from Godwin's Gatorland sampled on May 3, 2004.

DATE SAMPLED	FIELD ID	ANALYSIS GROUP	COMPONENT	RESULT	UNITS	REMARK	MDL	PQL
5/3/2004 9:10	GATOR	Bio-AGP/LimNut	Algal Growth Potential	14.2	mg DryWt/L	A	0.1	0.3
5/3/2004 9:10	GATOR	Bio-Chl-a	Chlorophyll-A, Monochromatic, Water	27	ug/L		0.85	2.6
5/3/2004 9:10	GATOR	Bio-Chl-a	Phaeophytin-A, Monochromatic, Water	0	ug/L		0.85	2.6
5/3/2004 9:10	GATOR	Bio-Toxicology	Bioassay-Acute-Screen-FW-C.dubia, LC50		LC50			
5/3/2004 9:10	GATOR	Bio-Toxicology	Bioassay-Acute-Screen-FW-Fish, LC50		LC50			
5/3/2004 9:10	GATOR	BNA-Water	1,2,4-Trichlorobenzene	0.95	ug/L	U	0.95	3.8
5/3/2004 9:10	GATOR	BNA-Water	1,2-Dichlorobenzene	0.95	ug/L	U	0.95	3.8
5/3/2004 9:10	GATOR	BNA-Water	1,3-Dichlorobenzene	0.95	ug/L	U	0.95	3.8
5/3/2004 9:10	GATOR	BNA-Water	1,4-Dichlorobenzene	0.95	ug/L	U	0.95	3.8
5/3/2004 9:10	GATOR	BNA-Water	2,4,6-Trichlorophenol	0.95	ug/L	U	0.95	3.8
5/3/2004 9:10	GATOR	BNA-Water	2,4-Dichlorophenol	0.95	ug/L	U	0.95	3.8
5/3/2004 9:10	GATOR	BNA-Water	2,4-Dimethylphenol	48	ug/L	U	48	190
5/3/2004 9:10	GATOR	BNA-Water	2,4-Dinitrophenol	14	ug/L	UJ	14	57
5/3/2004 9:10	GATOR	BNA-Water	2,4-Dinitrotoluene	0.95	ug/L	U	0.95	3.8
5/3/2004 9:10	GATOR	BNA-Water	2,6-Dinitrotoluene	0.95	ug/L	U	0.95	3.8
5/3/2004 9:10	GATOR	BNA-Water	2-Chloronaphthalene	0.95	ug/L	U	0.95	3.8
5/3/2004 9:10	GATOR	BNA-Water	2-Chlorophenol	0.95	ug/L	U	0.95	3.8
5/3/2004 9:10	GATOR	BNA-Water	2-Methyl-4,6-dinitrophenol	2.9	ug/L	U	2.9	11
5/3/2004 9:10	GATOR	BNA-Water	2-Nitrophenol	0.95	ug/L	U	0.95	3.8
5/3/2004 9:10	GATOR	BNA-Water	3,3'-Dichlorobenzidine	38	ug/L	U	38	150
5/3/2004 9:10	GATOR	BNA-Water	4,4'-DDD	1.4	ug/L	U	1.4	5.7
5/3/2004 9:10	GATOR	BNA-Water	4,4'-DDE	1.4	ug/L	U	1.4	5.7
5/3/2004 9:10	GATOR	BNA-Water	4,4'-DDT	1.4	ug/L	U	1.4	5.7
5/3/2004 9:10	GATOR	BNA-Water	4-Bromophenyl phenyl ether	0.95	ug/L	U	0.95	3.8
5/3/2004 9:10	GATOR	BNA-Water	4-Chloro-3-methylphenol	0.95	ug/L	U	0.95	3.8
5/3/2004 9:10	GATOR	BNA-Water	4-Chlorophenyl phenyl ether	1.9	ug/L	U	1.9	7.6
5/3/2004 9:10	GATOR	BNA-Water	4-Nitrophenol	14	ug/L	U	14	57
5/3/2004 9:10	GATOR	BNA-Water	Acenaphthene	0.95	ug/L	U	0.95	3.8
5/3/2004 9:10	GATOR	BNA-Water	Acenaphthylene	0.95	ug/L	U	0.95	3.8
5/3/2004 9:10	GATOR	BNA-Water	Aldrin	1.4	ug/L	U	1.4	5.7
5/3/2004 9:10	GATOR	BNA-Water	Anthracene	0.95	ug/L	U	0.95	3.8
5/3/2004 9:10	GATOR	BNA-Water	Benzidine	95	ug/L	U	95	380
5/3/2004 9:10	GATOR	BNA-Water	Benzo(a)anthracene	0.95	ug/L	U	0.95	3.8
5/3/2004 9:10	GATOR	BNA-Water	Benzo(a)pyrene	0.95	ug/L	U	0.95	3.8
5/3/2004 9:10	GATOR	BNA-Water	Benzo(b)fluoranthene	0.95	ug/L	U	0.95	3.8
5/3/2004 9:10	GATOR	BNA-Water	Benzo(g,h,i)perylene	0.95	ug/L	U	0.95	3.8
5/3/2004 9:10	GATOR	BNA-Water	Benzo(k)fluoranthene	0.95	ug/L	U	0.95	3.8
5/3/2004 9:10	GATOR	BNA-Water	Bis(2-chloroethoxy)methane	0.95	ug/L	U	0.95	3.8
5/3/2004 9:10	GATOR	BNA-Water	Bis(2-chloroethyl)ether	0.95	ug/L	U	0.95	3.8
5/3/2004 9:10	GATOR	BNA-Water	Bis(2-chloroisopropyl)ether	2.9	ug/L	U	2.9	11
5/3/2004 9:10	GATOR	BNA-Water	Bis(2-ethylhexyl)phthalate	14	ug/L	U	14	57
5/3/2004 9:10	GATOR	BNA-Water	Butyl benzyl phthalate	4.8	ug/L	U	4.8	19
5/3/2004 9:10	GATOR	BNA-Water	Chrysene	0.95	ug/L	U	0.95	3.8
5/3/2004 9:10	GATOR	BNA-Water	Di-n-butyl phthalate	4.8	ug/L	U	4.8	19
5/3/2004 9:10	GATOR	BNA-Water	Di-n-octyl phthalate	0.95	ug/L	U	0.95	3.8
5/3/2004 9:10	GATOR	BNA-Water	Dibenzo(a,h)anthracene	0.95	ug/L	U	0.95	3.8
5/3/2004 9:10	GATOR	BNA-Water	Dieldrin	1.4	ug/L	U	1.4	5.7
5/3/2004 9:10	GATOR	BNA-Water	Diethyl phthalate	2.8	ug/L	U	2.8	11
5/3/2004 9:10	GATOR	BNA-Water	Dimethyl phthalate	48	ug/L	U	48	190
5/3/2004 9:10	GATOR	BNA-Water	Endosulfan I	3.8	ug/L	U	3.8	15
5/3/2004 9:10	GATOR	BNA-Water	Endosulfan II	3.8	ug/L	U	3.8	15
5/3/2004 9:10	GATOR	BNA-Water	Endosulfan sulfate	1.4	ug/L	U	1.4	5.7
5/3/2004 9:10	GATOR	BNA-Water	Endrin	1.4	ug/L	U	1.4	5.7
5/3/2004 9:10	GATOR	BNA-Water	Endrin aldehyde	3.8	ug/L	UJ	3.8	15
5/3/2004 9:10	GATOR	BNA-Water	Fluoranthene	0.95	ug/L	U	0.95	3.8
5/3/2004 9:10	GATOR	BNA-Water	Fluorene	0.95	ug/L	U	0.95	3.8
5/3/2004 9:10	GATOR	BNA-Water	Heptachlor	1.4	ug/L	U	1.4	5.7
5/3/2004 9:10	GATOR	BNA-Water	Heptachlor epoxide	1.4	ug/L	U	1.4	5.7
5/3/2004 9:10	GATOR	BNA-Water	Hexachlorobenzene	0.95	ug/L	U	0.95	3.8
5/3/2004 9:10	GATOR	BNA-Water	Hexachlorobutadiene	2.9	ug/L	U	2.9	11
5/3/2004 9:10	GATOR	BNA-Water	Hexachlorocyclopentadiene	2.9	ug/L	UJ	2.9	11
5/3/2004 9:10	GATOR	BNA-Water	Hexachloroethane	2.9	ug/L	U	2.9	11

5/3/2004 9:10	GATOR	BNA-Water	Indeno(1,2,3-cd)pyrene	0.95	ug/L	U	0.95	3.8
5/3/2004 9:10	GATOR	BNA-Water	Isophorone	0.95	ug/L	U	0.95	3.8
5/3/2004 9:10	GATOR	BNA-Water	N-Nitrosodi-n-propylamine	1.9	ug/L	U	1.9	7.6
5/3/2004 9:10	GATOR	BNA-Water	N-Nitrosodimethylamine	1.9	ug/L	U	1.9	7.6
5/3/2004 9:10	GATOR	BNA-Water	N-Nitrosodiphenylamine	2.9	ug/L	U	2.9	11
5/3/2004 9:10	GATOR	BNA-Water	Naphthalene	0.95	ug/L	U	0.95	3.8
5/3/2004 9:10	GATOR	BNA-Water	Nitrobenzene	1.9	ug/L	U	1.9	7.6
5/3/2004 9:10	GATOR	BNA-Water	Pentachlorophenol	2.9	ug/L	U	2.9	11
5/3/2004 9:10	GATOR	BNA-Water	Phenanthrene	0.95	ug/L	U	0.95	3.8
5/3/2004 9:10	GATOR	BNA-Water	Phenol	0.95	ug/L	U	0.95	3.8
5/3/2004 9:10	GATOR	BNA-Water	Pyrene	0.95	ug/L	U	0.95	3.8
5/3/2004 9:10	GATOR	BNA-Water	TRPH	0.36	mg/L	I	0.24	0.96
5/3/2004 9:10	GATOR	BNA-Water	alpha-BHC	1.4	ug/L	U	1.4	5.7
5/3/2004 9:10	GATOR	BNA-Water	beta-BHC	1.4	ug/L	U	1.4	5.7
5/3/2004 9:10	GATOR	BNA-Water	delta-BHC	1.4	ug/L	U	1.4	5.7
5/3/2004 9:10	GATOR	BNA-Water	gamma-BHC	1.4	ug/L	U	1.4	5.7
5/3/2004 9:10	GATOR	GC-Water	Alachlor	0.6	ug/L	U	0.6	2.4
5/3/2004 9:10	GATOR	GC-Water	Ametryn	0.05	ug/L	U	0.05	0.2
5/3/2004 9:10	GATOR	GC-Water	Atrazine	0.05	ug/L	U	0.05	0.2
5/3/2004 9:10	GATOR	GC-Water	Azinphos Methyl	0.05	ug/L	U	0.05	0.2
5/3/2004 9:10	GATOR	GC-Water	Bromacil	0.2	ug/L	U	0.2	0.8
5/3/2004 9:10	GATOR	GC-Water	Butylate	0.2	ug/L	U	0.2	0.8
5/3/2004 9:10	GATOR	GC-Water	Chlorpyrifos Ethyl	0.05	ug/L	U	0.05	0.2
5/3/2004 9:10	GATOR	GC-Water	Chlorpyrifos Methyl	0.1	ug/L	U	0.1	0.4
5/3/2004 9:10	GATOR	GC-Water	Diazinon	0.05	ug/L	U	0.05	0.2
5/3/2004 9:10	GATOR	GC-Water	Ethion	0.05	ug/L	U	0.05	0.2
5/3/2004 9:10	GATOR	GC-Water	Ethoprop	0.1	ug/L	U	0.1	0.4
5/3/2004 9:10	GATOR	GC-Water	Fenamiphos	0.2	ug/L	U	0.2	0.8
5/3/2004 9:10	GATOR	GC-Water	Fonofos	0.1	ug/L	U	0.1	0.4
5/3/2004 9:10	GATOR	GC-Water	Hexazinone	0.1	ug/L	U	0.1	0.4
5/3/2004 9:10	GATOR	GC-Water	Malathion	0.15	ug/L	U	0.15	0.6
5/3/2004 9:10	GATOR	GC-Water	Metalaxyl	0.25	ug/L	UJ	0.25	1
5/3/2004 9:10	GATOR	GC-Water	Metolachlor	0.5	ug/L	U	0.5	2
5/3/2004 9:10	GATOR	GC-Water	Metribuzin	0.1	ug/L	U	0.1	0.4
5/3/2004 9:10	GATOR	GC-Water	Mevinphos	0.2	ug/L	U	0.2	0.8
5/3/2004 9:10	GATOR	GC-Water	Naled	0.8	ug/L	UJ	0.8	3.2
5/3/2004 9:10	GATOR	GC-Water	Norflurazon	0.1	ug/L	U	0.1	0.4
5/3/2004 9:10	GATOR	GC-Water	Parathion Ethyl	0.15	ug/L	U	0.15	0.6
5/3/2004 9:10	GATOR	GC-Water	Parathion Methyl	0.1	ug/L	U	0.1	0.4
5/3/2004 9:10	GATOR	GC-Water	Phorate	0.05	ug/L	U	0.05	0.2
5/3/2004 9:10	GATOR	GC-Water	Prometryn	0.15	ug/L	U	0.15	0.6
5/3/2004 9:10	GATOR	GC-Water	Simazine	0.05	ug/L	U	0.05	0.2
5/3/2004 9:10	GATOR	Metals-Water	Aluminum	653	ug/L		5	20
5/3/2004 9:10	GATOR	Metals-Water	Arsenic	5.7	ug/L	I	5	20
5/3/2004 9:10	GATOR	Metals-Water	Cadmium	0.025	ug/L	U	0.025	0.1
5/3/2004 9:10	GATOR	Metals-Water	Calcium	44.1	mg/L		0.05	0.2
5/3/2004 9:10	GATOR	Metals-Water	Chromium	3.7	ug/L	I	2	8
5/3/2004 9:10	GATOR	Metals-Water	Copper	3.1	ug/L		0.75	3
5/3/2004 9:10	GATOR	Metals-Water	Iron	221	ug/L		5	20
5/3/2004 9:10	GATOR	Metals-Water	Lead	1.6	ug/L		0.05	0.2
5/3/2004 9:10	GATOR	Metals-Water	Magnesium	6	mg/L		0.02	0.08
5/3/2004 9:10	GATOR	Metals-Water	Nickel	2	ug/L	U	2	8
5/3/2004 9:10	GATOR	Metals-Water	Selenium	1	ug/L	U	1	4
5/3/2004 9:10	GATOR	Metals-Water	Silver	0.02	ug/L	U	0.02	0.08
5/3/2004 9:10	GATOR	Metals-Water	Zinc	10.4	ug/L		2	8
5/3/2004 9:10	GATOR	Nutrients-Liquid	Ammonia-N	0.28	mg N/L	A	0.05	0.1
5/3/2004 9:10	GATOR	Nutrients-Liquid	NO2NO3-N	0.12	mg N/L		0.004	0.01
5/3/2004 9:10	GATOR	Nutrients-Liquid	N_KJEL_TOT	1.4	mg N/L		0.06	0.2
5/3/2004 9:10	GATOR	Nutrients-Liquid	O-Phosphate-P	0.13	mg P/L		0.008	0.02
5/3/2004 9:10	GATOR	Nutrients-Liquid	Total-P	0.33	mg P/L		0.02	0.06
5/3/2004 9:45	GATOR BLANK	BNA-Water	1,2,4-Trichlorobenzene	0.95	ug/L	U	0.95	3.8
5/3/2004 9:45	GATOR BLANK	BNA-Water	1,2-Dichlorobenzene	0.95	ug/L	U	0.95	3.8
5/3/2004 9:45	GATOR BLANK	BNA-Water	1,3-Dichlorobenzene	0.95	ug/L	U	0.95	3.8
5/3/2004 9:45	GATOR BLANK	BNA-Water	1,4-Dichlorobenzene	0.95	ug/L	U	0.95	3.8
5/3/2004 9:45	GATOR BLANK	BNA-Water	2,4,6-Trichlorophenol	0.95	ug/L	U	0.95	3.8
5/3/2004 9:45	GATOR BLANK	BNA-Water	2,4-Dichlorophenol	0.95	ug/L	U	0.95	3.8

5/3/2004 9:45	GATOR BLANK	BNA-Water	2,4-Dimethylphenol	48	ug/L	U	48	190
5/3/2004 9:45	GATOR BLANK	BNA-Water	2,4-Dinitrophenol	14	ug/L	UJ	14	57
5/3/2004 9:45	GATOR BLANK	BNA-Water	2,4-Dinitrotoluene	0.95	ug/L	U	0.95	3.8
5/3/2004 9:45	GATOR BLANK	BNA-Water	2,6-Dinitrotoluene	0.95	ug/L	U	0.95	3.8
5/3/2004 9:45	GATOR BLANK	BNA-Water	2-Chloronaphthalene	0.95	ug/L	U	0.95	3.8
5/3/2004 9:45	GATOR BLANK	BNA-Water	2-Chlorophenol	0.95	ug/L	U	0.95	3.8
5/3/2004 9:45	GATOR BLANK	BNA-Water	2-Methyl-4,6-dinitrophenol	2.9	ug/L	U	2.9	11
5/3/2004 9:45	GATOR BLANK	BNA-Water	2-Nitrophenol	0.95	ug/L	U	0.95	3.8
5/3/2004 9:45	GATOR BLANK	BNA-Water	3,3'-Dichlorobenzidine	38	ug/L	U	38	150
5/3/2004 9:45	GATOR BLANK	BNA-Water	4,4'-DDD	1.4	ug/L	U	1.4	5.7
5/3/2004 9:45	GATOR BLANK	BNA-Water	4,4'-DDE	1.4	ug/L	U	1.4	5.7
5/3/2004 9:45	GATOR BLANK	BNA-Water	4,4'-DDT	1.4	ug/L	U	1.4	5.7
5/3/2004 9:45	GATOR BLANK	BNA-Water	4-Bromophenyl phenyl ether	0.95	ug/L	U	0.95	3.8
5/3/2004 9:45	GATOR BLANK	BNA-Water	4-Chloro-3-methylphenol	0.95	ug/L	U	0.95	3.8
5/3/2004 9:45	GATOR BLANK	BNA-Water	4-Chlorophenyl phenyl ether	1.9	ug/L	U	1.9	7.6
5/3/2004 9:45	GATOR BLANK	BNA-Water	4-Nitrophenol	14	ug/L	U	14	57
5/3/2004 9:45	GATOR BLANK	BNA-Water	Acenaphthene	0.95	ug/L	U	0.95	3.8
5/3/2004 9:45	GATOR BLANK	BNA-Water	Acenaphthylene	0.95	ug/L	U	0.95	3.8
5/3/2004 9:45	GATOR BLANK	BNA-Water	Aldrin	1.4	ug/L	U	1.4	5.7
5/3/2004 9:45	GATOR BLANK	BNA-Water	Anthracene	0.95	ug/L	U	0.95	3.8
5/3/2004 9:45	GATOR BLANK	BNA-Water	Benzidine	95	ug/L	U	95	380
5/3/2004 9:45	GATOR BLANK	BNA-Water	Benzo(a)anthracene	0.95	ug/L	U	0.95	3.8
5/3/2004 9:45	GATOR BLANK	BNA-Water	Benzo(a)pyrene	0.95	ug/L	U	0.95	3.8
5/3/2004 9:45	GATOR BLANK	BNA-Water	Benzo(b)fluoranthene	0.95	ug/L	U	0.95	3.8
5/3/2004 9:45	GATOR BLANK	BNA-Water	Benzo(g,h,i)perylene	0.95	ug/L	U	0.95	3.8
5/3/2004 9:45	GATOR BLANK	BNA-Water	Benzo(k)fluoranthene	0.95	ug/L	U	0.95	3.8
5/3/2004 9:45	GATOR BLANK	BNA-Water	Bis(2-chloroethoxy)methane	0.95	ug/L	U	0.95	3.8
5/3/2004 9:45	GATOR BLANK	BNA-Water	Bis(2-chloroethyl)ether	0.95	ug/L	U	0.95	3.8
5/3/2004 9:45	GATOR BLANK	BNA-Water	Bis(2-chloroisopropyl)ether	2.9	ug/L	U	2.9	11
5/3/2004 9:45	GATOR BLANK	BNA-Water	Bis(2-ethylhexyl)phthalate	14	ug/L	U	14	57
5/3/2004 9:45	GATOR BLANK	BNA-Water	Butyl benzyl phthalate	4.8	ug/L	U	4.8	19
5/3/2004 9:45	GATOR BLANK	BNA-Water	Chrysene	0.95	ug/L	U	0.95	3.8
5/3/2004 9:45	GATOR BLANK	BNA-Water	Di-n-butyl phthalate	4.8	ug/L	U	4.8	19
5/3/2004 9:45	GATOR BLANK	BNA-Water	Di-n-octyl phthalate	0.95	ug/L	U	0.95	3.8
5/3/2004 9:45	GATOR BLANK	BNA-Water	Dibenzo(a,h)anthracene	0.95	ug/L	U	0.95	3.8
5/3/2004 9:45	GATOR BLANK	BNA-Water	Dieldrin	1.4	ug/L	U	1.4	5.7
5/3/2004 9:45	GATOR BLANK	BNA-Water	Diethyl phthalate	2.8	ug/L	U	2.8	11
5/3/2004 9:45	GATOR BLANK	BNA-Water	Dimethyl phthalate	48	ug/L	U	48	190
5/3/2004 9:45	GATOR BLANK	BNA-Water	Endosulfan I	3.8	ug/L	U	3.8	15
5/3/2004 9:45	GATOR BLANK	BNA-Water	Endosulfan II	3.8	ug/L	U	3.8	15
5/3/2004 9:45	GATOR BLANK	BNA-Water	Endosulfan sulfate	1.4	ug/L	U	1.4	5.7
5/3/2004 9:45	GATOR BLANK	BNA-Water	Endrin	1.4	ug/L	U	1.4	5.7
5/3/2004 9:45	GATOR BLANK	BNA-Water	Endrin aldehyde	3.8	ug/L	UJ	3.8	15
5/3/2004 9:45	GATOR BLANK	BNA-Water	Fluoranthene	0.95	ug/L	U	0.95	3.8
5/3/2004 9:45	GATOR BLANK	BNA-Water	Fluorene	0.95	ug/L	U	0.95	3.8
5/3/2004 9:45	GATOR BLANK	BNA-Water	Heptachlor	1.4	ug/L	U	1.4	5.7
5/3/2004 9:45	GATOR BLANK	BNA-Water	Heptachlor epoxide	1.4	ug/L	U	1.4	5.7
5/3/2004 9:45	GATOR BLANK	BNA-Water	Hexachlorobenzene	0.95	ug/L	U	0.95	3.8
5/3/2004 9:45	GATOR BLANK	BNA-Water	Hexachlorobutadiene	2.9	ug/L	U	2.9	11
5/3/2004 9:45	GATOR BLANK	BNA-Water	Hexachlorocyclopentadiene	2.9	ug/L	UJ	2.9	11
5/3/2004 9:45	GATOR BLANK	BNA-Water	Hexachloroethane	2.9	ug/L	U	2.9	11
5/3/2004 9:45	GATOR BLANK	BNA-Water	Indeno(1,2,3-cd)pyrene	0.95	ug/L	U	0.95	3.8
5/3/2004 9:45	GATOR BLANK	BNA-Water	Isophorone	0.95	ug/L	U	0.95	3.8
5/3/2004 9:45	GATOR BLANK	BNA-Water	N-Nitrosodi-n-propylamine	1.9	ug/L	U	1.9	7.6
5/3/2004 9:45	GATOR BLANK	BNA-Water	N-Nitrosodimethylamine	1.9	ug/L	U	1.9	7.6
5/3/2004 9:45	GATOR BLANK	BNA-Water	N-Nitrosodiphenylamine	2.9	ug/L	U	2.9	11
5/3/2004 9:45	GATOR BLANK	BNA-Water	Naphthalene	0.95	ug/L	U	0.95	3.8
5/3/2004 9:45	GATOR BLANK	BNA-Water	Nitrobenzene	1.9	ug/L	U	1.9	7.6
5/3/2004 9:45	GATOR BLANK	BNA-Water	Pentachlorophenol	2.9	ug/L	U	2.9	11
5/3/2004 9:45	GATOR BLANK	BNA-Water	Phenanthrene	0.95	ug/L	U	0.95	3.8
5/3/2004 9:45	GATOR BLANK	BNA-Water	Phenol	0.95	ug/L	U	0.95	3.8
5/3/2004 9:45	GATOR BLANK	BNA-Water	Pyrene	0.95	ug/L	U	0.95	3.8
5/3/2004 9:45	GATOR BLANK	BNA-Water	TRPH	0.24	mg/L	U	0.24	0.96
5/3/2004 9:45	GATOR BLANK	BNA-Water	alpha-BHC	1.4	ug/L	U	1.4	5.7
5/3/2004 9:45	GATOR BLANK	BNA-Water	beta-BHC	1.4	ug/L	U	1.4	5.7
5/3/2004 9:45	GATOR BLANK	BNA-Water	delta-BHC	1.4	ug/L	U	1.4	5.7

5/3/2004 9:45	GATOR BLANK	BNA-Water	gamma-BHC	1.4	ug/L	U	1.4	5.7
5/3/2004 9:45	GATOR BLANK	GC-Water	Alachlor	0.57	ug/L	UJ	0.57143	2.29
5/3/2004 9:45	GATOR BLANK	GC-Water	Ametryn	0.048	ug/L	U	0.047619	0.19
5/3/2004 9:45	GATOR BLANK	GC-Water	Atrazine	0.048	ug/L	U	0.047619	0.19
5/3/2004 9:45	GATOR BLANK	GC-Water	Azinphos Methyl	0.048	ug/L	U	0.047619	0.19
5/3/2004 9:45	GATOR BLANK	GC-Water	Bromacil	0.19	ug/L	U	0.19048	0.762
5/3/2004 9:45	GATOR BLANK	GC-Water	Butylate	0.19	ug/L	U	0.19048	0.762
5/3/2004 9:45	GATOR BLANK	GC-Water	Chlorpyrifos Ethyl	0.048	ug/L	U	0.047619	0.19
5/3/2004 9:45	GATOR BLANK	GC-Water	Chlorpyrifos Methyl	0.095	ug/L	U	0.095238	0.381
5/3/2004 9:45	GATOR BLANK	GC-Water	Diazinon	0.048	ug/L	UJ	0.047619	0.19
5/3/2004 9:45	GATOR BLANK	GC-Water	Ethion	0.048	ug/L	U	0.047619	0.19
5/3/2004 9:45	GATOR BLANK	GC-Water	Ethoprop	0.095	ug/L	U	0.095238	0.381
5/3/2004 9:45	GATOR BLANK	GC-Water	Fenamiphos	0.19	ug/L	U	0.19048	0.762
5/3/2004 9:45	GATOR BLANK	GC-Water	Fonofos	0.095	ug/L	UJ	0.095238	0.381
5/3/2004 9:45	GATOR BLANK	GC-Water	Hexazinone	0.095	ug/L	U	0.095238	0.381
5/3/2004 9:45	GATOR BLANK	GC-Water	Malathion	0.14	ug/L	U	0.14286	0.571
5/3/2004 9:45	GATOR BLANK	GC-Water	Metalaxyl	0.24	ug/L	U	0.2381	0.952
5/3/2004 9:45	GATOR BLANK	GC-Water	Metolachlor	0.48	ug/L	U	0.47619	1.9
5/3/2004 9:45	GATOR BLANK	GC-Water	Metribuzin	0.095	ug/L	U	0.095238	0.381
5/3/2004 9:45	GATOR BLANK	GC-Water	Mevinphos	0.19	ug/L	U	0.19048	0.762
5/3/2004 9:45	GATOR BLANK	GC-Water	Naled	0.76	ug/L	UJ	0.7619	3.05
5/3/2004 9:45	GATOR BLANK	GC-Water	Norflurazon	0.095	ug/L	U	0.095238	0.381
5/3/2004 9:45	GATOR BLANK	GC-Water	Parathion Ethyl	0.14	ug/L	UJ	0.14286	0.571
5/3/2004 9:45	GATOR BLANK	GC-Water	Parathion Methyl	0.095	ug/L	U	0.095238	0.381
5/3/2004 9:45	GATOR BLANK	GC-Water	Phorate	0.048	ug/L	U	0.047619	0.19
5/3/2004 9:45	GATOR BLANK	GC-Water	Prometryn	0.14	ug/L	UJ	0.14286	0.571
5/3/2004 9:45	GATOR BLANK	GC-Water	Simazine	0.048	ug/L	U	0.047619	0.19
5/3/2004 9:45	GATOR BLANK	Metals-Water	Aluminum	10	ug/L	I	5	20
5/3/2004 9:45	GATOR BLANK	Metals-Water	Arsenic	5	ug/L	U	5	20
5/3/2004 9:45	GATOR BLANK	Metals-Water	Cadmium	0.025	ug/L	U	0.025	0.1
5/3/2004 9:45	GATOR BLANK	Metals-Water	Calcium	0.05	mg/L	U	0.05	0.2
5/3/2004 9:45	GATOR BLANK	Metals-Water	Chromium	2	ug/L	U	2	8
5/3/2004 9:45	GATOR BLANK	Metals-Water	Copper	0.75	ug/L	U	0.75	3
5/3/2004 9:45	GATOR BLANK	Metals-Water	Iron	5	ug/L	U	5	20
5/3/2004 9:45	GATOR BLANK	Metals-Water	Lead	0.05	ug/L	U	0.05	0.2
5/3/2004 9:45	GATOR BLANK	Metals-Water	Magnesium	0.02	mg/L	U	0.02	0.08
5/3/2004 9:45	GATOR BLANK	Metals-Water	Nickel	2	ug/L	U	2	8
5/3/2004 9:45	GATOR BLANK	Metals-Water	Selenium	1	ug/L	U	1	4
5/3/2004 9:45	GATOR BLANK	Metals-Water	Silver	0.02	ug/L	U	0.02	0.08
5/3/2004 9:45	GATOR BLANK	Metals-Water	Zinc	2	ug/L	U	2	8
5/3/2004 9:45	GATOR BLANK	Nutrients-Liquid	Ammonia-N	0.01	mg N/L	U	0.01	0.02
5/3/2004 9:45	GATOR BLANK	Nutrients-Liquid	NO2NO3-N	0.004	mg N/L	U	0.004	0.01
5/3/2004 9:45	GATOR BLANK	Nutrients-Liquid	N_KJEL_TOT	0.06	mg N/L	U	0.06	0.2
5/3/2004 9:45	GATOR BLANK	Nutrients-Liquid	O-Phosphate-P	0.004	mg P/L	U	0.004	0.01
5/3/2004 9:45	GATOR BLANK	Nutrients-Liquid	Total-P	0.02	mg P/L	U	0.02	0.06
5/3/2004 14:30	GATOR-1	Bio-Toxicology	Bioassay-Acute-Screen-FW-C.dubia, LC50	100	LC50	L		
5/3/2004 14:30	GATOR-1	Bio-Toxicology	Bioassay-Acute-Screen-FW-Fish, LC50	100	LC50	L		
5/3/2004 14:30	GATOR-2	Bio-Toxicology	Bioassay-Acute-Screen-FW-C.dubia, LC50	100	LC50	L		
5/3/2004 14:30	GATOR-2	Bio-Toxicology	Bioassay-Acute-Screen-FW-Fish, LC50	100	LC50	L		
5/3/2004 14:30	GATOR-3	Bio-Toxicology	Bioassay-Acute-Screen-FW-C.dubia, LC50	100	LC50	L		
5/3/2004 14:30	GATOR-3	Bio-Toxicology	Bioassay-Acute-Screen-FW-Fish, LC50	100	LC50	L		
5/3/2004 14:30	GATOR-4	Bio-Toxicology	Bioassay-Acute-Screen-FW-C.dubia, LC50	100	LC50	L		
5/3/2004 14:30	GATOR-4	Bio-Toxicology	Bioassay-Acute-Screen-FW-Fish, LC50	100	LC50	L		

The Bioassay of Godwin's Gatorland effluent sampled on 3 May 2004, NPDES #FL0043770.

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

Transaction Code		NPDES NUMBER		YR/MO/DA		Insp Type	Inspector	Fac Type
1 N	2 5	3 F L 0 0 4 3 7 7 0 11	12	0 4 0 5 0 3	18	B	19 S	20 1

Remarks

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The Priority Pollutants Analysis for Bioassay of Godwin's Gatorland effluent sampled on 3 May, 2004, NPDES #FL0043770.

F

Transaction Code		NPDES NUMBER		YR/MO/DA		Insp Type	Inspector	Fac Type
1 N	2 5	3 F L 0 0 4 3 7 7 0 11	12	0 4 0 5 0 3	18	X	19 S	20 1

Remarks

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