

Bioassays of

Coronet Industries

Hillsborough County

NPDES #FL0034657

Sampled June 14, 2004

September 2004

Biology Section
Bureau of Laboratories
Division of Resource Assessment and Management

Quality Manual No. 870346G
NELAC Certification No. E31780

Coronet Industries, 4082 Coronet Road, Plant City, Hillsborough County, Florida, NPDES #FL0034657. Effluent samples for this facility were collected on June 14, 2004

Introduction

Coronet Industries was an animal feed phosphate supplement processing plant. The wastewater from this facility consists of contact stormwater run-off, process wastewater generated from two metallic fluoride salts recovery plants, wastewater generated from the feed preparation area and wastewater generated by the R&D facility when operating, the five defluorination units, and the two quality control laboratories. The facility ceased plant operations on March 31, 2004 and is currently trying to remove water from the site.

Process wastewater and contact and non-contact stormwater is being blended in preparation for discharge. The water is double-limed and then treated with CO_2 for pH adjustment prior to discharge through Outfall D001 into an unnamed ditch that flows into the Class III Freshwaters of English Creek. Discharge is intermittent and is only allowed during the rainy season or severe storm events. The volume of wastewater discharged through Outfall D001 on June 14, 2004, was 1.80 million gallons. The daily discharge from June 14 through August 30, 2004, has ranged from 1.8 to 2.0 million gallons per day.

Coronet Industries is currently under an immediate final order for interim activities. Limits for discharges from Outfall D001 from that order, dated May 11, 2004, must be met at Monitoring Station 3, which is in English Creek, approximately 800m downstream of the Outfall D001 ditch. The facility historically has high levels of arsenic, total phosphorus, specific conductance, boron, and fluoride in its discharge (Facility summary provided by Lori Pillsbury, Southwest District FDEP).

Methods

Samples were collected from the D001 NPDES sampling point by Lori Pillsbury and Todd Falkner (FDEP Southwest 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 48-hour acute screen toxicity tests and algal growth potential test 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. While this test does not reflect the permit-required conditions, the Department uses the 48-hour acute screen test to provide reasonable assurance that the facility does not adversely affect waters of the state.

Due to a communication error between laboratory staff, a marine Algal Growth Potential (AGP) test was performed rather than a freshwater AGP test. AGP results are discussed under Algal Growth Potential.

Toxicity Test Results

Tests were performed June 15-17, 2004.

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

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

See Appendix 1 for bioassay bench sheets.

*NOTE: In a 48-hr acute screen test of 100% effluent, mortality of <20% provides reasonable assurance that the effluent meets the acute toxicity criterion of Florida's Surface Water Quality Standards (Rule 62-302.500 (1)(a) 4, F.A.C.). Mortality between20-50% mortality indicates low to

moderate levels of toxicity, and further action may be required. Mortality of >50% provides reasonable assurance that the effluent fails to meet the minimum requirement to discharge to waters of the state (Rule 62-4.244(3)(a), F.A.C.).

Algal Growth Potential

The effluent AGP was 0.707 mg dry wt/L of *Dunaliella tertiolecta.* Raschke and Shultz found that Algal Growth Potential (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). It can be inferred that the results of a freshwater test would not have exceeded the "problem" threshold of 5.0 mg/L (Raschke and Shulz 1987) for freshwater receiving waters. The analytical chemistry data suggest the effluent is nitrogen-limited.

Subsequent AGP tests were performed on samples collected from Coronet Industries Outfall D001 on July 8 and July 29, 2004. These tests were run as both freshwater (sample as received) and marine (salinity adjusted). The freshwater test results were 4.01 and < 0.100 mg dry weight/L for those two sampling dates, respectively. The corresponding marine test results were 16.1 and 4.15 mg dry weight/L. These results showed one "problem" threshold excursion in the marine tests and no "problem" excursions with the freshwater tests.

Chemistry Results

Total residual chlorine was detected in the bioassay sample in the laboratory at 0.04 mg/L. Total ammonia was not detected in the bioassay sample in the laboratory. The total ammonia concentration in the sample collected and preserved for chemical analysis was 0.011 mg/L. The calculated unionized ammonia concentration was < 0.001 mg/L.

Beryllium, chromium, copper, nickel, ammonia, total suspended solids, and nitrate-nitrite were detected between the method detection limit and practical quantitative limit.

See Table 1 for results of analytes detected in the effluent, and corresponding limits.

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

Conclusion

The effluent samples collected from D-001 for this facility on June 14, 2004, did not show acute toxicity to either test species during the 48-hour bioassay tests. The effluent AGP result was less than the "problem” threshold for fresh receiving waters. No exceedences of water quality standards or permit limits were reported.

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. *Effluent limits, Class III Criteria, and chemical, data from samples collected from Coronet Industries on June 14, 2004*

Coronet Industries	Class III Stds	Effluent Limits	Effluent Samples
Organic Constituents (µg/L)			
None Detected	-	-	-
Metals (µg/L unless otherwise noted)			
Boron	-	Report	28800 A
Aluminum	≤ 1500	-	349 A
Arsenic	≤ 50	≤ 75*	37 A
Beryllium	≤ 0.13	-	0.03 IJ
Cadmium	≤ 1.3 b	Report	0.12 A
Calcium (mg/L)	-	-	28 A
Chromium-III	≤ 97.6 b	-	2.1 I
Copper	≤ 10.6 b	Report	1 I
Iron	≤ 1000	≤ 2500*	167 A
Lead	≤ 3.9 b	Report	0.33 AJ
Magnesium (mg/L)	-	-	11.3 A
Nickel	≤ 59.3 b	-	2.7 I
PAH	-	-	0 c
Selenium	≤ 5	-	3 U
Silver	≤ 0.07	-	0.02 U
Zinc	≤ 136.3 b	-	2 U
Nutrients (mg/L)			
TSS	-	≤ 60	8 I
Ortho-phosphate	-	-	40
Total Phosphorus	-	Report*	44
Ammonia	-	-	0.011 I
Unionized Ammonia	≤ 0.02	-	< 0.001 c
Nitrate+Nitrite	-	-	0.004 U
Total Kjeldahl Nitrogen	-	-	1.9
Organic Nitrogen	-	-	1.89 c
Total Nitrogen	-	Report	1.9 c
Turbidity	-	-	7.3
Fluoride	≤ 10	≤ 40*	10
General Physical and Chemical Parameters			
Alpha, Total (pCi/L)	≤ 15	-	4.4 U
Alpha-Counting Error (pCi/L)	-	-	2.4
Dissolved Oxygen (mg/L)	≥ 5	≥ 5	7.7
pH (S.U.)	6 - 8.5	6 - 8.5	6.5
Conductivity (umhos/cm)	≤ 1275	Report*	1903
Temperature (C)	-	Report	30.6
BOD (mg/L)	-	-	5.9 A
BOD (mg/L)	-	-	3
Hardness (mg/L)	-	Report	116.4 c
Total Residual Chlorine (lab)	≤ 0.01	-	0.04
AGP (mg DryWt/L)	-	-	0.707

*Conditions of immediate final order

Value exceeds the Class III Fresh Water Quality Criteria (62-302, F.A.C.)

a - Annual average

b - Value 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.

J - Estimated value

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

FDEP Biology Section - Acute
Bioassay Bench Sheets

Facility: Coronet Industries

Address: 4082 Coronet Road

City: Plant City County: Hillsborough

Contact/District: Lori Pillsbury / Southwest District

NPDES Permit #: FL 0034657

LIMS Job #: TLH-2004-06-15-13-01 LIMS Sample #: 760157

Sample Collection: Date: 6/14/04 Time: 11:45

Hold time Start: Date: 6/14/04 Time: 11:45

Comments:

Lims Data Entry: 6-24-04 MF

Data Entry Verification: 6-24-04 CAP

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

Test Type: Screening/Definitive

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

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: 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)

Temperature Range °C

Incubator # 3 Range 23-24.5°C

Room B246: 24.5-25.5°C

Waterbath: N/A

Investigators' Signatures

Delma Nicholson

Sarah Reighard

Christa Ferrin

Marshall Faircloth

Jason Smith

REVIEWER

V.2 2/26/04

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	—		CAP
Lab Total Residual Cl2 (mg/L):	<0.03	<0.03				0.04	HACH	SP	JM
Alkalinity (mg/L as $CaCO_3$):	97	133				66	HACH	TD	MF
Hardness (mg/L as $CaCO_3$):	Not Required 117	146				139	HACH	TD	MF
Total Ammonia (mg/L as N):	<0.017	<0.017				<0.017	DENVER	MF	CAP
Salinity (ppt):	<1	<1				<1	YSI	ML	CAP

[redacted]

Appendix 1. Bench Sheets

FDEP Biology Section - - Bioassay Bench Sheet
Survival

LIMS Sample #: 760157 Test #: 1
Organism: C. dubia
Organism Batch: 21
Organism Age: <24 hr.
Chamber Size 30 mL
Test Volume 20 mL

Test Started: Date 06/15/04 Time: 1435
Test Ended: Date 6/17/04 Time: 1400

Diluent/ Batch: 20% DMW 20
Food: (YCT) (P. subcapitata) Artemia
Batch: 2 27
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			
	B		5	5	5			
	C		5	5	5			
	D		5	5	5			
100%	A		5	5	5			
	B		5	5	5			
	C		5	5	5			
	D		5	5	5			

Organisms loaded by: DN
Loading Verified by: JD

Checked by: (initials) | AF | MF | JD

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

V.1 2/23/04

FDEP Biology Section - - Bioassay Bench Sheet

Survival

LIMS Sample #: 7I00157 Test #: 2 Test Started: Date 06/15/04 Time: 2:45

Organism: C. leedsi Test Ended: Date 6/17/04 Time: 1400

Organism Batch: 12 Diluent/ Batch: Well H2O1 NA

Organism Age: 20 days Food: YCT P. subcapitata (Artemia)

Chamber Size 1000 mL Batch: — — 0194104256

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	B5	5	5	5			
	B	B6	5	5	5			
	C	B7	5	5	5			
	D	B8	5	5	5			
100%	A	B1	5	5	5			
	B	B2	5	5	5			
	C	B3	5	5	5			
	D	B4	5	5	5			
Organisms loaded by: JO Loading Verified by: SR		Checked by: (initials)	JO	MF	JO			

Comments:

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

Test Results:

% mortality in 100% sample 0

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

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

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

Bioassay Parameters

LIMS Sample # : 760157 **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		B			
pH (S.U.)	8.2		8.3			
Temperature °C	25.5		24.0			
Dissolved Oxygen mg/L	7.7		7.9			
Conductivity (µmhos) mmhos	185		204			
(initials) Measured by:	DN		JD/DN			
(initials) Recorded by:	CAP		DN			

Comments:

Concentration 100%	0 Hr.	24 Hr.	48 Hr. before renewal	48 Hr. after renewal	72 Hr.	96 Hr.
Replicate	A		B			
pH (S.U.)	6.7		7.0			
Temperature °C	25.2		24.0			
Dissolved Oxygen mg/L	7.7		7.9			
Conductivity (µmhos) mmhos	1880		2080			
(initials) Measured by:	DN		JD/DN			
(initials) Recorded by:	CAP		DN			

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

Bioassay Parameters

LIMS Sample # : 760157 **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			
pH (S.U.)	8.0	8.3	8.3			
Temperature °C	24.9	25.3 (A)	24.4			
Dissolved Oxygen mg/L	7.9	6.5 (A)	7.3			
Conductivity µmhos mmhos	265	350	335			
(initials) Measured by:	DN	DN	DN			
(initials) Recorded by:	CAP	DN	DN			

Comments: 24 Hr. (A) Temp. 24.9 D.O. 7.5 Needed to adjust Meter for Salinity

Concentration 100%	0 Hr.	24 Hr.	48 Hr. before renewal	48 Hr. after renewal	72 Hr.	96 Hr.
Replicate	A	B	A			
pH (S.U.)	6.7	6.9	7.0			
Temperature °C	25.5	24.8	24.4			
Dissolved Oxygen mg/L	7.9	6.8	7.5			
Conductivity µmhos mmhos	1850	1895	1995			
(initials) Measured by:	CAP	DN	DN			
(initials) Recorded by:	DN	CAP	DN			

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:

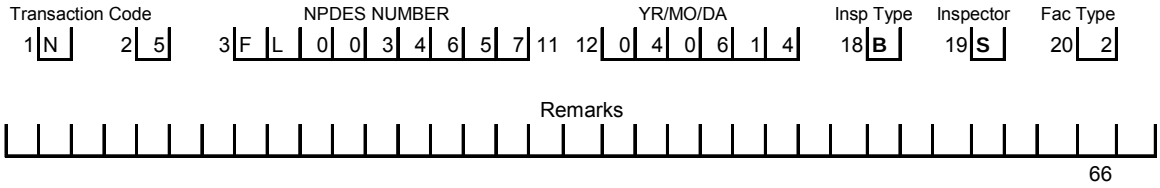
V.1 2/24/04

Appendix 1. Chemical Analyses performed on the effluent from the Coronet Industries Plant Outfall D001, sampled on June 14, 2004.

DATE SAMPLED	FIELD ID	ANALYSIS GROUP	COMPONENT	RESULT	UNITS	REMARK	MDL	PQL
6/14/2004 11:45	OUTFALL D001	Bio-AGP/LimNut	Algal Growth Potential	0.707	mg DryWt/L		0.1	0.3
6/14/2004 11:45	OUTFALL D001	Bio-BOD	Biochemical Oxygen Demand-5 Day	5.9	mg/L	A		
6/14/2004 11:45	OUTFALL D001	Bio-BOD	Biochemical Oxygen Demand-5 Day,N-Inhib	3	mg/L			
6/14/2004 11:45	OUTFALL D001	Bio-Chl-a	Chlorophyll-A, Monochromatic, Water	40	ug/L		1.2	3.7
6/14/2004 11:45	OUTFALL D001	Bio-Chl-a	Phaeophytin-A, Monochromatic, Water	0	ug/L		1.2	3.7
6/14/2004 11:45	OUTFALL D001	Bio-Toxicology	Bioassay-Acute-Screen-FW-C.dubia, LC50	100	LC50	L		
6/14/2004 11:45	OUTFALL D001	Bio-Toxicology	Bioassay-Acute-Screen-FW-Fish, LC50	100	LC50	JL		
6/14/2004 11:45	OUTFALL D001	Metals-Water	Aluminum	349	ug/L	A	5	20
6/14/2004 11:45	OUTFALL D001	Metals-Water	Arsenic	37	ug/L	A	5	20
6/14/2004 11:45	OUTFALL D001	Metals-Water	Beryllium	0.03	ug/L	IJ	0.025	0.03
6/14/2004 11:45	OUTFALL D001	Metals-Water	Boron	2.88E+04	ug/L	A	400	1.60E+03
6/14/2004 11:45	OUTFALL D001	Metals-Water	Cadmium	0.12	ug/L	A	0.025	0.1
6/14/2004 11:45	OUTFALL D001	Metals-Water	Calcium	28	mg/L	A	0.05	0.2
6/14/2004 11:45	OUTFALL D001	Metals-Water	Chromium	2.1	ug/L	I	2	8
6/14/2004 11:45	OUTFALL D001	Metals-Water	Copper	1	ug/L	I	0.75	3
6/14/2004 11:45	OUTFALL D001	Metals-Water	Iron	167	ug/L	A	5	20
6/14/2004 11:45	OUTFALL D001	Metals-Water	Lead	0.33	ug/L	AJ	0.05	0.2
6/14/2004 11:45	OUTFALL D001	Metals-Water	Magnesium	11.3	mg/L	A	0.02	0.08
6/14/2004 11:45	OUTFALL D001	Metals-Water	Nickel	2.7	ug/L	I	2	8
6/14/2004 11:45	OUTFALL D001	Metals-Water	Selenium	3	ug/L	U	3	12
6/14/2004 11:45	OUTFALL D001	Metals-Water	Silver	0.02	ug/L	U	0.02	0.08
6/14/2004 11:45	OUTFALL D001	Metals-Water	Zinc	2	ug/L	U	2	8
6/14/2004 11:55	FIELD BLK	Metals-Water	Aluminum	11	ug/L	U	11	44
6/14/2004 11:55	FIELD BLK	Metals-Water	Arsenic	5	ug/L	U	5	20
6/14/2004 11:55	FIELD BLK	Metals-Water	Beryllium	0.025	ug/L	UJ	0.025	0.1
6/14/2004 11:55	FIELD BLK	Metals-Water	Boron	35	ug/L	U	35	140
6/14/2004 11:55	FIELD BLK	Metals-Water	Cadmium	0.025	ug/L	U	0.025	0.1
6/14/2004 11:55	FIELD BLK	Metals-Water	Calcium	0.05	mg/L	U	0.05	0.2
6/14/2004 11:55	FIELD BLK	Metals-Water	Chromium	2	ug/L	U	2	8
6/14/2004 11:55	FIELD BLK	Metals-Water	Copper	0.75	ug/L	U	0.75	3
6/14/2004 11:55	FIELD BLK	Metals-Water	Iron	5	ug/L	U	5	20
6/14/2004 11:55	FIELD BLK	Metals-Water	Lead	0.05	ug/L	U	0.05	0.2
6/14/2004 11:55	FIELD BLK	Metals-Water	Magnesium	0.02	mg/L	U	0.02	0.08
6/14/2004 11:55	FIELD BLK	Metals-Water	Nickel	2	ug/L	U	2	8
6/14/2004 11:55	FIELD BLK	Metals-Water	Selenium	1	ug/L	U	1	4
6/14/2004 11:55	FIELD BLK	Metals-Water	Silver	0.02	ug/L	U	0.02	0.08
6/14/2004 11:55	FIELD BLK	Metals-Water	Zinc	2	ug/L	U	2	8
6/14/2004 11:45	OUTFALL D001	Nutrients-Liquid	Ammonia-N	0.011	mg N/L	I	0.01	0.02
6/14/2004 11:45	OUTFALL D001	Nutrients-Liquid	Fluoride	10	mg F/L		0.05	0.1
6/14/2004 11:45	OUTFALL D001	Nutrients-Liquid	NO2NO3-N	0.004	mg N/L	U	0.004	0.01
6/14/2004 11:45	OUTFALL D001	Nutrients-Liquid	N_KJEL_TOT	1.9	mg N/L		0.12	0.4
6/14/2004 11:45	OUTFALL D001	Nutrients-Liquid	O-Phosphate-P	40	mg P/L		2	5
6/14/2004 11:45	OUTFALL D001	Nutrients-Liquid	TSS	8	mg/L	I	4	16
6/14/2004 11:45	OUTFALL D001	Nutrients-Liquid	Total-P	44	mg P/L		1.6	4.8
6/14/2004 11:45	OUTFALL D001	Nutrients-Liquid	Turbidity	7.3	NTU		0.05	0.05
6/14/2004 11:55	FIELD BLK	Nutrients-Liquid	Ammonia-N	0.01	mg N/L	U	0.01	0.02
6/14/2004 11:55	FIELD BLK	Nutrients-Liquid	Fluoride	0.05	mg F/L	U	0.05	0.1
6/14/2004 11:55	FIELD BLK	Nutrients-Liquid	NO2NO3-N	0.005	mg N/L	I	0.004	0.01
6/14/2004 11:55	FIELD BLK	Nutrients-Liquid	N_KJEL_TOT	0.06	mg N/L	U	0.06	0.2
6/14/2004 11:55	FIELD BLK	Nutrients-Liquid	O-Phosphate-P	0.004	mg P/L	U	0.004	0.01
6/14/2004 11:55	FIELD BLK	Nutrients-Liquid	TSS	4	mg/L	U	4	16
6/14/2004 11:55	FIELD BLK	Nutrients-Liquid	Total-P	0.02	mg P/L	U	0.02	0.06
6/14/2004 11:55	FIELD BLK	Nutrients-Liquid	Turbidity	0.05	NTU	U	0.05	0.05
6/14/2004 11:45	OUTFALL D001	Overflow	Alpha, Total	4.4	pCi/L	U		
6/14/2004 11:45	OUTFALL D001	Overflow	Alpha-Counting Error	2.4	pCi/L			
6/14/2004 11:55	FIELD BLK	Overflow	Alpha, Total	0.8	pCi/L	U		
6/14/2004 11:55	FIELD BLK	Overflow	Alpha-Counting Error	0.4	pCi/L			

The Bioassay of Coronet Industries D001 effluent sampled on June 14, 2004, NPDES #FL0034657.

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



The Priority Pollutants Analysis for Bioassay of Coronet Industries D001 effluent sampled on June 14, 2004, NPDES #FL0034657.

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

