

Bioassays of

Coronet Industries, Inc.

Plant City, Hillsborough County, Florida

NPDES #FL0034657

Sampled 8/20/02

March 2003

Biology Section

Division of Resource Assessment & Management

Comprehensive Quality Assurance Plan #870346G

Bioassays of

Coronet Industries, Inc.

Plant City, Hillsborough County, Florida

NPDES #FL0034657

Biology Section
Bureau of Laboratories
March 2003

Coronet Industries, Inc., Coronet Road, Plant City, Hillsborough County, Florida, NPDES #FL0034657, tests performed on 21 to 23 August 2002.

Introduction

This facility, which produces animal feed phosphate, rarely discharges due to its stormwater driven discharge. The wastewater consists of contact stormwater runoff, process wastewater generated from the fluoride recovery plant, wastewater generated from two analytical laboratories, and wastewater generated from the five defluorination units. Wastewater is mixed with non-contact stormwater before being discharged into the Class III fresh waters of English Creek, where an 800-meter mixing zone is present for specific conductance and fluoride (facility information provided by, Andrea Grainger, FDEP, Tampa).

Methods

Samples were collected by Andrea Grainger and Cindy Hodgman 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 tests discussed in this report were performed following internal DEP SOP's TA07-01 and TA07-02. All internal DEP SOP's are available on the web at: http://www.floridadep.org/labs/cgi-bin/sop/biosop.asp.

Toxicity Test Results

Ceriodaphnia dubia 48-hr acute screen – Not Toxic
Cyprinella leedsi 48-hr acute screen – Not Toxic

See Table 1 for bioassay bench sheets.

Chemistry Results

Total residual chlorine and total ammonia were not detected in the bioassay sample.

See Table 2 for chemicals detected in the analytical chemistry samples.
See Table 3 for a complete list of chemical analyses performed.

Conclusion

The sample of effluent collected from this facility on August 20, 2002, did not show acute toxicity to either test species during the 48-hour bioassay test.

Table 1. Data recorded during the 48-hour acute screening bioassays of a sample of effluent from the Coronet Industries, Inc., Coronet Road, Plant City, Hillsborough County, Florida, NPDES# FL0034657, performed from 21 to 23 August 2002.

Facility:	**Coronet Industries, Inc.**		**NPDES #**	**FL0034657**	Facility Type:	**Produces Animal Feed**	**Analysts:** Jacquelyn Brynda
Location:	Coronet Road, Plant City		Contact/District:	Grainger/SW		**phosphate supplement**	Joshua Ayres
County:	Hillsborough		Test type:	static acute screen			Marshall Faircloth
Sample Collection Date:	8/20/2002	Time: 1330	# tests:	2	Receiving Water:	English Creek	
Test Beginning Date:	8/21/2002	Time: 1400	Chlorination Type:	non-chlorinated		Class III fresh water	
Test Ending Date:	8/23/2002	Time: 1300				**Page 1 of 1**	**Reviewer:** David Whiting

Organism: ***Ceriodaphnia dubia*** Life stage: <24 hours

	Sample/Diluent	SURVIVAL # Alive			pH			Temperature[A]			Dissolved Oxygen			Conductivity Uncorrected µmhos/cm	
Concentrations	Volume(mL)	0 hr	24 hr	48 hr	0 hour	24 hour	48 hour	0 hour	24 hour	48 hour	0 hour	24 hour	48 hour	0 hour	48 hour
Control A	0/20	5	5	5	8.0	-	8.2	25.6	-	25.9	7.6	-	6.8	185	220
Control B	0/20	5	5	5	-	-	8.2	-	-	25.8	-	-	6.6	-	210
Control C	0/20	5	5	5	-	-	8.2	-	-	25.7	-	-	6.7	-	250
Control D	0/20	5	5	5	-	-	8.2	-	-	25.7	-	-	6.6	-	250
100% A	20/0	5	5	5	6.8	-	7.3	25.7	-	25.5	7.6	-	6.6	910	1105
100% B	20/0	5	5	5	-	-	7.3	-	-	25.6	-	-	6.6	-	1050
100% C	20/0	5	5	5	-	-	7.3	-	-	25.6	-	-	6.6	-	1035
100% D	20/0	5	5	5	-	-	7.3	-	-	25.5	-	-	6.6	-	1160

[A] Temperatures of room and test incubator were continuously recorded on a strip chart recorder.
Room Temperature range for the test period was 26.5-27.5°C.
Incubator #3 temperature range for the test period was 24.5-25.5°C.

Organism: ***Cyprinella leedsi*** Life stage: 7days

	Sample/Diluent	SURVIVAL # Alive			pH			Temperature[B]			Dissolved Oxygen			Conductivity Uncorrected µmhos/cm	
Concentrations	Volume(mL)	0 hr	24 hr	48 hr	0 hour	24 hour	48 hour	0 hour	24 hour	48 hour	0 hour	24 hour	48 hour	0 hour	48 hour
Control A	0/500	5	5	5	7.7	8.3	8.4	25.7	25.1	25.4	7.3	7.4	6.6	270	280
Control B	0/500	5	5	5	7.7	8.3	8.4	25.8	25.0	25.1	7.3	7.2	6.7	280	280
Control C	0/500	5	5	5	7.7	8.3	8.4	25.8	24.7	25.0	7.3	7.2	6.7	270	285
Control D	0/500	5	5	5	7.7	8.3	8.4	25.9	25.0	25.0	7.2	7.1	6.7	275	275
100% A	500/0	5	5	5	6.8	7.0	7.1	25.7	25.2	25.0	7.5	7.2	6.6	910	995
100% B	500/0	5	5	5	6.8	7.0	7.1	25.6	24.9	25.1	7.5	7.0	6.6	950	1040
100 % C	500/0	5	4	4	6.8	7.0	7.1	25.6	25.3	25.0	7.7	6.9	6.6	970	1005
100% D	500/0	5	5	5	6.8	7.0	7.1	25.5	25.2	25.0	7.7	6.8	6.7	970	1005

[B] Temperatures of room and test incubator were continuously recorded on a strip chart recorder.
Room Temperature range for the test period was 26.5-27.5°C.
Incubator #3 temperature range for the test period was 24.5-25.5°C.

LIMS	
Job number:	TLH-2002-08-21-05-01
sample number:	616042

Data Transcription Verification	
date:	11/21/2002
by:	Joshua Ayres
	Christa Pierini

Total Residual CL2	mg/L	Method
Field:	-	-
Lab:	<0.03	Hach

Ammonia	Total (mg/L)	Unionized (mg/L)
Control water (fish):	<0.017	<0.017
Control water (water flea):	<0.017	<0.017
100% Sample:	<0.017	<0.017

Alk & Hardness	Alkalinity (mg/L)	Hardness (mg/L)
Control water (fish):	142	131
Control water (water flea):	80	81
100% Sample:	46	110

Table 2. Results of chemical analyses on the effluent from Coronet Industries, Inc. sampled on August 20, 2002.

Metals

Aluminum	58 ug/L	
Arsenic	5.6 ug/L	I
Calcium	25.4 mg/L	
Iron	220 ug/L	
Magnesium	9.9 mg/L	
Selenium	1.1 ug/L	I

Pesticides and Herbicides

None detected

Nutrients

Ammonia-N	0.031 mg N/L
Chloride	230 mg Cl/L
Fluoride	3.8 mg F/L
Total Kjeldahl Nitrogen	2.6 mg N/L
Ortho-Phosphate	20 mg P/L
Sulfate	44 mg SO4/L
Total Phosphorous	21 mg P/L

Base, Neutral, & Acid Extractable Organics

None detected

[I] The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.

Table 3. Chemical Analyses performed on the effluent from Coronet Industries, Inc., sampled on August 20, 2002.

Date Sampled	Field ID	Analysis Group	Component	Result	Units	Remark	MDL	PQL
8/20/2002 13:30	27723	BNA-Water	1,2,4,5-Tetrachlorobenzene	0.95	ug/L	U	0.95	3.8
8/20/2002 13:30	27723	BNA-Water	1,2,4-Trichlorobenzene	0.95	ug/L	U	0.95	3.8
8/20/2002 13:30	27723	BNA-Water	1,2-Dichlorobenzene	0.95	ug/L	U	0.95	3.8
8/20/2002 13:30	27723	BNA-Water	1,3,5-Trinitrobenzene	3.8	ug/L	U	3.8	15
8/20/2002 13:30	27723	BNA-Water	1,3-Dichlorobenzene	0.95	ug/L	U	0.95	3.8
8/20/2002 13:30	27723	BNA-Water	1,3-Dinitrobenzene	1.9	ug/L	U	1.9	7.6
8/20/2002 13:30	27723	BNA-Water	1,4-Dichlorobenzene	0.95	ug/L	U	0.95	3.8
8/20/2002 13:30	27723	BNA-Water	1,4-Naphthoquinone	19	ug/L	U	19	76
8/20/2002 13:30	27723	BNA-Water	1-Naphthylamine	9.5	ug/L	U	9.5	38
8/20/2002 13:30	27723	BNA-Water	2,3,4,6-Tetrachlorophenol	1.9	ug/L	U	1.9	7.6
8/20/2002 13:30	27723	BNA-Water	2,4,5-Trichlorophenol	0.95	ug/L	U	0.95	3.8
8/20/2002 13:30	27723	BNA-Water	2,4,6-Trichlorophenol	0.95	ug/L	U	0.95	3.8
8/20/2002 13:30	27723	BNA-Water	2,4-Dichlorophenol	0.95	ug/L	U	0.95	3.8
8/20/2002 13:30	27723	BNA-Water	2,4-Dimethylphenol	48	ug/L	U	48	190
8/20/2002 13:30	27723	BNA-Water	2,4-Dinitrophenol	14	ug/L	U	14	57
8/20/2002 13:30	27723	BNA-Water	2,4-Dinitrotoluene	0.95	ug/L	U	0.95	3.8
8/20/2002 13:30	27723	BNA-Water	2,6-Dichlorophenol	0.95	ug/L	U	0.95	3.8
8/20/2002 13:30	27723	BNA-Water	2,6-Dinitrotoluene	0.95	ug/L	U	0.95	3.8
8/20/2002 13:30	27723	BNA-Water	2-Acetylaminofluorene	0.95	ug/L	U	0.95	3.8
8/20/2002 13:30	27723	BNA-Water	2-Chloronaphthalene	0.95	ug/L	U	0.95	3.8
8/20/2002 13:30	27723	BNA-Water	2-Chlorophenol	0.95	ug/L	U	0.95	3.8
8/20/2002 13:30	27723	BNA-Water	2-Methyl-4,6-dinitrophenol	2.9	ug/L	U	2.9	11
8/20/2002 13:30	27723	BNA-Water	2-Methylnaphthalene	0.95	ug/L	U	0.95	3.8
8/20/2002 13:30	27723	BNA-Water	2-Naphthylamine	9.5	ug/L	U	9.5	38
8/20/2002 13:30	27723	BNA-Water	2-Nitroaniline	0.95	ug/L	U	0.95	3.8
8/20/2002 13:30	27723	BNA-Water	2-Nitrophenol	0.95	ug/L	U	0.95	3.8
8/20/2002 13:30	27723	BNA-Water	2-Picoline	0.95	ug/L	U	0.95	3.8
8/20/2002 13:30	27723	BNA-Water	3,3'-Dichlorobenzidine	38	ug/L	U	38	150
8/20/2002 13:30	27723	BNA-Water	3,3'-Dimethylbenzidine	19	ug/L	U	19	76
8/20/2002 13:30	27723	BNA-Water	3-Methylcholanthrene	0.95	ug/L	U	0.95	3.8
8/20/2002 13:30	27723	BNA-Water	3-Nitroaniline	0.95	ug/L	U	0.95	3.8
8/20/2002 13:30	27723	BNA-Water	4,4'-DDD	1.4	ug/L	U	1.4	5.7
8/20/2002 13:30	27723	BNA-Water	4,4'-DDE	1.4	ug/L	U	1.4	5.7

8/20/2002 13:30	27723	BNA-Water	4,4'-DDT	1.4	ug/L	U	1.4	5.7
8/20/2002 13:30	27723	BNA-Water	4-Aminobiphenyl	3.8	ug/L	U	3.8	15
8/20/2002 13:30	27723	BNA-Water	4-Bromophenyl phenyl ether	0.95	ug/L	U	0.95	3.8
8/20/2002 13:30	27723	BNA-Water	4-Chloro-3-methylphenol	0.95	ug/L	U	0.95	3.8
8/20/2002 13:30	27723	BNA-Water	4-Chloroaniline	0.95	ug/L	U	0.95	3.8
8/20/2002 13:30	27723	BNA-Water	4-Chlorophenyl phenyl ether	1.9	ug/L	U	1.9	7.6
8/20/2002 13:30	27723	BNA-Water	4-Nitroaniline	0.95	ug/L	U	0.95	3.8
8/20/2002 13:30	27723	BNA-Water	4-Nitrophenol	14	ug/L	U	14	57
8/20/2002 13:30	27723	BNA-Water	5-Nitro-o-toluidine	0.95	ug/L	U	0.95	3.8
8/20/2002 13:30	27723	BNA-Water	7,12-Dimethylbenz(a)anthracene	0.95	ug/L	U	0.95	3.8
8/20/2002 13:30	27723	BNA-Water	Acenaphthene	0.95	ug/L	U	0.95	3.8
8/20/2002 13:30	27723	BNA-Water	Acenaphthylene	0.95	ug/L	U	0.95	3.8
8/20/2002 13:30	27723	BNA-Water	Acetophenone	0.95	ug/L	U	0.95	3.8
8/20/2002 13:30	27723	BNA-Water	Aldrin	1.4	ug/L	U	1.4	5.7
8/20/2002 13:30	27723	BNA-Water	Aniline	0.95	ug/L	U	0.95	3.8
8/20/2002 13:30	27723	BNA-Water	Anthracene	0.95	ug/L	U	0.95	3.8
8/20/2002 13:30	27723	BNA-Water	Azobenzene/1,2-Diphenylhydrazine	0.95	ug/L	U	0.95	3.8
8/20/2002 13:30	27723	BNA-Water	Benzidine	95	ug/L	U	95	380
8/20/2002 13:30	27723	BNA-Water	Benzo(a)anthracene	0.95	ug/L	U	0.95	3.8
8/20/2002 13:30	27723	BNA-Water	Benzo(a)pyrene	0.95	ug/L	U	0.95	3.8
8/20/2002 13:30	27723	BNA-Water	Benzo(b)fluoranthene	0.95	ug/L	U	0.95	3.8
8/20/2002 13:30	27723	BNA-Water	Benzo(g,h,i)perylene	0.95	ug/L	U	0.95	3.8
8/20/2002 13:30	27723	BNA-Water	Benzo(k)fluoranthene	0.95	ug/L	U	0.95	3.8
8/20/2002 13:30	27723	BNA-Water	Benzyl alcohol	0.95	ug/L	U	0.95	3.8
8/20/2002 13:30	27723	BNA-Water	Bis(2-chloroethoxy)methane	0.95	ug/L	U	0.95	3.8
8/20/2002 13:30	27723	BNA-Water	Bis(2-chloroethyl)ether	0.95	ug/L	U	0.95	3.8
8/20/2002 13:30	27723	BNA-Water	Bis(2-chloroisopropyl)ether	2.9	ug/L	U	2.9	11
8/20/2002 13:30	27723	BNA-Water	Bis(2-ethylhexyl)phthalate	14	ug/L	U	14	57
8/20/2002 13:30	27723	BNA-Water	Butyl benzyl phthalate	4.8	ug/L	U	4.8	19
8/20/2002 13:30	27723	BNA-Water	Chrysene	0.95	ug/L	U	0.95	3.8
8/20/2002 13:30	27723	BNA-Water	Di-n-butyl phthalate	4.8	ug/L	U	4.8	19
8/20/2002 13:30	27723	BNA-Water	Di-n-octyl phthalate	0.95	ug/L	U	0.95	3.8
8/20/2002 13:30	27723	BNA-Water	Dibenzo(a,h)anthracene	0.95	ug/L	U	0.95	3.8
8/20/2002 13:30	27723	BNA-Water	Dibenzofuran	0.95	ug/L	U	0.95	3.8
8/20/2002 13:30	27723	BNA-Water	Dieldrin	1.4	ug/L	U	1.4	5.7
8/20/2002 13:30	27723	BNA-Water	Diethyl phthalate	0.95	ug/L	U	0.95	3.8
8/20/2002 13:30	27723	BNA-Water	Dimethyl phthalate	48	ug/L	U	48	190

8/20/2002 13:30	27723	BNA-Water	Dimethylaminoazobenzene	0.95	ug/L	U	0.95	3.8
8/20/2002 13:30	27723	BNA-Water	Dinoseb	3.8	ug/L	U	3.8	15
8/20/2002 13:30	27723	BNA-Water	Diphenylamine	2.9	ug/L	U	2.9	11
8/20/2002 13:30	27723	BNA-Water	Endosulfan I	3.8	ug/L	U	3.8	15
8/20/2002 13:30	27723	BNA-Water	Endosulfan II	3.8	ug/L	U	3.8	15
8/20/2002 13:30	27723	BNA-Water	Endosulfan sulfate	1.4	ug/L	U	1.4	5.7
8/20/2002 13:30	27723	BNA-Water	Endrin	1.4	ug/L	U	1.4	5.7
8/20/2002 13:30	27723	BNA-Water	Endrin aldehyde	3.8	ug/L	U	3.8	15
8/20/2002 13:30	27723	BNA-Water	Ethyl methanesulfonate	0.95	ug/L	U	0.95	3.8
8/20/2002 13:30	27723	BNA-Water	Fluoranthene	0.95	ug/L	U	0.95	3.8
8/20/2002 13:30	27723	BNA-Water	Fluorene	0.95	ug/L	U	0.95	3.8
8/20/2002 13:30	27723	BNA-Water	Heptachlor	1.4	ug/L	U	1.4	5.7
8/20/2002 13:30	27723	BNA-Water	Heptachlor epoxide	1.4	ug/L	U	1.4	5.7
8/20/2002 13:30	27723	BNA-Water	Hexachlorobenzene	0.95	ug/L	U	0.95	3.8
8/20/2002 13:30	27723	BNA-Water	Hexachlorobutadiene	2.9	ug/L	U	2.9	11
8/20/2002 13:30	27723	BNA-Water	Hexachlorocyclopentadiene	2.9	ug/L	U	2.9	11
8/20/2002 13:30	27723	BNA-Water	Hexachloroethane	2.9	ug/L	U	2.9	11
8/20/2002 13:30	27723	BNA-Water	Hexachloropropene	1.9	ug/L	U	1.9	7.6
8/20/2002 13:30	27723	BNA-Water	Indeno(1,2,3-cd)pyrene	0.95	ug/L	U	0.95	3.8
8/20/2002 13:30	27723	BNA-Water	Isophorone	0.95	ug/L	U	0.95	3.8
8/20/2002 13:30	27723	BNA-Water	Isosafrole	0.95	ug/L	U	0.95	3.8
8/20/2002 13:30	27723	BNA-Water	Methapyrilene	3.8	ug/L	U	3.8	15
8/20/2002 13:30	27723	BNA-Water	Methyl methanesulfonate	0.95	ug/L	U	0.95	3.8
8/20/2002 13:30	27723	BNA-Water	N-Nitrosodi-n-butylamine	0.95	ug/L	U	0.95	3.8
8/20/2002 13:30	27723	BNA-Water	N-Nitrosodi-n-propylamine	1.9	ug/L	U	1.9	7.6
8/20/2002 13:30	27723	BNA-Water	N-Nitrosodiethylamine	0.95	ug/L	U	0.95	3.8
8/20/2002 13:30	27723	BNA-Water	N-Nitrosodimethylamine	1.9	ug/L	U	1.9	7.6
8/20/2002 13:30	27723	BNA-Water	N-Nitrosodiphenylamine	2.9	ug/L	U	2.9	11
8/20/2002 13:30	27723	BNA-Water	N-Nitrosomethylethylamine	1.9	ug/L	U	1.9	7.6
8/20/2002 13:30	27723	BNA-Water	N-Nitrosomorpholine	0.95	ug/L	U	0.95	3.8
8/20/2002 13:30	27723	BNA-Water	N-Nitrosopiperidine	0.95	ug/L	U	0.95	3.8
8/20/2002 13:30	27723	BNA-Water	N-Nitrosopyrrolidine	1.9	ug/L	U	1.9	7.6
8/20/2002 13:30	27723	BNA-Water	Naphthalene	0.95	ug/L	U	0.95	3.8
8/20/2002 13:30	27723	BNA-Water	Nitrobenzene	1.9	ug/L	U	1.9	7.6
8/20/2002 13:30	27723	BNA-Water	Nitroquinoline-1-oxide	19	ug/L	U	19	76
8/20/2002 13:30	27723	BNA-Water	Pentachlorobenzene	0.95	ug/L	U	0.95	3.8
8/20/2002 13:30	27723	BNA-Water	Pentachloroethane	48	ug/L	U	48	190

8/20/2002 13:30	27723	BNA-Water	Pentachloronitrobenzene	0.95	ug/L	U	0.95	3.8
8/20/2002 13:30	27723	BNA-Water	Pentachlorophenol	2.9	ug/L	U	2.9	11
8/20/2002 13:30	27723	BNA-Water	Phenacetin	3.8	ug/L	U	3.8	11
8/20/2002 13:30	27723	BNA-Water	Phenanthrene	0.95	ug/L	U	0.95	3.8
8/20/2002 13:30	27723	BNA-Water	Phenol	0.95	ug/L	U	0.95	3.8
8/20/2002 13:30	27723	BNA-Water	Pyrene	0.95	ug/L	U	0.95	3.8
8/20/2002 13:30	27723	BNA-Water	Pyridine	3.8	ug/L	U	3.8	15
8/20/2002 13:30	27723	BNA-Water	Safrole	0.95	ug/L	U	0.95	3.8
8/20/2002 13:30	27723	BNA-Water	alpha-BHC	1.4	ug/L	U	1.4	5.7
8/20/2002 13:30	27723	BNA-Water	beta-BHC	1.4	ug/L	U	1.4	5.7
8/20/2002 13:30	27723	BNA-Water	delta-BHC	1.4	ug/L	U	1.4	5.7
8/20/2002 13:30	27723	BNA-Water	gamma-BHC	1.4	ug/L	U	1.4	5.7
8/20/2002 13:30	27723	BNA-Water	m,p-Cresols	1.9	ug/L	U	1.9	7.6
8/20/2002 13:30	27723	BNA-Water	o-Cresol	1.9	ug/L	U	1.9	7.6
8/20/2002 13:30	27723	BNA-Water	o-Toluidine	0.95	ug/L	U	0.95	3.8
8/20/2002 13:30	27723	GC-Water	Alachlor	0.57	ug/L	U	0.57	2.28
8/20/2002 13:30	27723	GC-Water	Ametryn	0.048	ug/L	U	0.048	0.192
8/20/2002 13:30	27723	GC-Water	Atrazine	0.048	ug/L	U	0.048	0.192
8/20/2002 13:30	27723	GC-Water	Azinphos Methyl	0.048	ug/L	U	0.048	0.192
8/20/2002 13:30	27723	GC-Water	Bromacil	0.19	ug/L	U	0.19	0.76
8/20/2002 13:30	27723	GC-Water	Butylate	0.19	ug/L	U	0.19	0.76
8/20/2002 13:30	27723	GC-Water	Chlorpyrifos Ethyl	0.048	ug/L	U	0.048	0.192
8/20/2002 13:30	27723	GC-Water	Chlorpyrifos Methyl	0.095	ug/L	U	0.095	0.38
8/20/2002 13:30	27723	GC-Water	Diazinon	0.048	ug/L	U	0.048	0.192
8/20/2002 13:30	27723	GC-Water	Ethion	0.048	ug/L	U	0.048	0.192
8/20/2002 13:30	27723	GC-Water	Ethoprop	0.095	ug/L	U	0.095	0.38
8/20/2002 13:30	27723	GC-Water	Fenamiphos	0.19	ug/L	U	0.19	0.76
8/20/2002 13:30	27723	GC-Water	Fonofos	0.095	ug/L	U	0.095	0.38
8/20/2002 13:30	27723	GC-Water	Hexazinone	0.095	ug/L	U	0.095	0.38
8/20/2002 13:30	27723	GC-Water	Malathion	0.14	ug/L	U	0.14	0.56
8/20/2002 13:30	27723	GC-Water	Metalaxyl	0.24	ug/L	U	0.24	0.96
8/20/2002 13:30	27723	GC-Water	Metolachlor	0.48	ug/L	U	0.48	1.92
8/20/2002 13:30	27723	GC-Water	Metribuzin	0.095	ug/L	U	0.095	0.38
8/20/2002 13:30	27723	GC-Water	Mevinphos	0.19	ug/L	U	0.19	0.76
8/20/2002 13:30	27723	GC-Water	Naled	0.76	ug/L	U	0.76	3.04
8/20/2002 13:30	27723	GC-Water	Norflurazon	0.095	ug/L	U	0.095	0.38
8/20/2002 13:30	27723	GC-Water	Parathion Ethyl	0.14	ug/L	U	0.14	0.56

8/20/2002 13:30	27723	GC-Water	Parathion Methyl	0.095	ug/L	U	0.095	0.38
8/20/2002 13:30	27723	GC-Water	Phorate	0.048	ug/L	U	0.048	0.192
8/20/2002 13:30	27723	GC-Water	Prometryn	0.14	ug/L	U	0.14	0.56
8/20/2002 13:30	27723	GC-Water	Simazine	0.048	ug/L	U	0.048	0.192
8/20/2002 13:30	27723	Metals-Water	Aluminum	58	ug/L		5	20
8/20/2002 13:30	27723	Metals-Water	Arsenic	5.6	ug/L	I	3	12
8/20/2002 13:30	27723	Metals-Water	Cadmium	0.025	ug/L	U	0.025	0.1
8/20/2002 13:30	27723	Metals-Water	Calcium	25.4	mg/L		0.02	0.08
8/20/2002 13:30	27723	Metals-Water	Chromium	2	ug/L	U	2	8
8/20/2002 13:30	27723	Metals-Water	Copper	0.75	ug/L	U	0.75	3
8/20/2002 13:30	27723	Metals-Water	Iron	220	ug/L		7	28
8/20/2002 13:30	27723	Metals-Water	Lead	0.1	ug/L	U	0.1	0.4
8/20/2002 13:30	27723	Metals-Water	Magnesium	9.9	mg/L		0.01	0.04
8/20/2002 13:30	27723	Metals-Water	Nickel	1.5	ug/L	U	1.5	6
8/20/2002 13:30	27723	Metals-Water	Selenium	1.1	ug/L	I	1	4
8/20/2002 13:30	27723	Metals-Water	Silver	0.02	ug/L	U	0.02	0.08
8/20/2002 13:30	27723	Metals-Water	Zinc	2	ug/L	U	2	8
8/20/2002 13:30	27723	Nutrients-Liquid	Ammonia-N	0.031	mg N/L		0.01	0.02
8/20/2002 13:30	27723	Nutrients-Liquid	Chloride	230	mg Cl/L		1	2.5
8/20/2002 13:30	27723	Nutrients-Liquid	Fluoride	3.8	mg F/L		0.05	0.1
8/20/2002 13:30	27723	Nutrients-Liquid	NO2NO3-N	0.004	mg N/L	U	0.004	0.01
8/20/2002 13:30	27723	Nutrients-Liquid	N_KJEL_TOT	2.6	mg N/L		0.06	0.2
8/20/2002 13:30	27723	Nutrients-Liquid	O-Phosphate-P	20	mg P/L		0.4	1
8/20/2002 13:30	27723	Nutrients-Liquid	Sulfate	44	mg SO4/L		1	2.5
8/20/2002 13:30	27723	Nutrients-Liquid	Total-P	21	mg P/L		0.75	2
8/20/2002 14:10	27724	BNA-Water	1,2,4,5-Tetrachlorobenzene	0.95	ug/L	U	0.95	3.8
8/20/2002 14:10	27724	BNA-Water	1,2,4-Trichlorobenzene	0.95	ug/L	U	0.95	3.8
8/20/2002 14:10	27724	BNA-Water	1,2-Dichlorobenzene	0.95	ug/L	U	0.95	3.8
8/20/2002 14:10	27724	BNA-Water	1,3,5-Trinitrobenzene	3.8	ug/L	U	3.8	15
8/20/2002 14:10	27724	BNA-Water	1,3-Dichlorobenzene	0.95	ug/L	U	0.95	3.8
8/20/2002 14:10	27724	BNA-Water	1,3-Dinitrobenzene	1.9	ug/L	U	1.9	7.6
8/20/2002 14:10	27724	BNA-Water	1,4-Dichlorobenzene	0.95	ug/L	U	0.95	3.8
8/20/2002 14:10	27724	BNA-Water	1,4-Naphthoquinone	19	ug/L	U	19	76
8/20/2002 14:10	27724	BNA-Water	1-Naphthylamine	9.5	ug/L	U	9.5	38
8/20/2002 14:10	27724	BNA-Water	2,3,4,6-Tetrachlorophenol	1.9	ug/L	U	1.9	7.6
8/20/2002 14:10	27724	BNA-Water	2,4,5-Trichlorophenol	0.95	ug/L	U	0.95	3.8
8/20/2002 14:10	27724	BNA-Water	2,4,6-Trichlorophenol	0.95	ug/L	U	0.95	3.8

8/20/2002 14:10	27724	BNA-Water	2,4-Dichlorophenol	0.95	ug/L	U	0.95	3.8
8/20/2002 14:10	27724	BNA-Water	2,4-Dimethylphenol	48	ug/L	U	48	190
8/20/2002 14:10	27724	BNA-Water	2,4-Dinitrophenol	14	ug/L	U	14	57
8/20/2002 14:10	27724	BNA-Water	2,4-Dinitrotoluene	0.95	ug/L	U	0.95	3.8
8/20/2002 14:10	27724	BNA-Water	2,6-Dichlorophenol	0.95	ug/L	U	0.95	3.8
8/20/2002 14:10	27724	BNA-Water	2,6-Dinitrotoluene	0.95	ug/L	U	0.95	3.8
8/20/2002 14:10	27724	BNA-Water	2-Acetylaminofluorene	0.95	ug/L	U	0.95	3.8
8/20/2002 14:10	27724	BNA-Water	2-Chloronaphthalene	0.95	ug/L	U	0.95	3.8
8/20/2002 14:10	27724	BNA-Water	2-Chlorophenol	0.95	ug/L	U	0.95	3.8
8/20/2002 14:10	27724	BNA-Water	2-Methyl-4,6-dinitrophenol	2.9	ug/L	U	2.9	11
8/20/2002 14:10	27724	BNA-Water	2-Methylnaphthalene	0.95	ug/L	U	0.95	3.8
8/20/2002 14:10	27724	BNA-Water	2-Naphthylamine	9.5	ug/L	U	9.5	38
8/20/2002 14:10	27724	BNA-Water	2-Nitroaniline	0.95	ug/L	U	0.95	3.8
8/20/2002 14:10	27724	BNA-Water	2-Nitrophenol	0.95	ug/L	U	0.95	3.8
8/20/2002 14:10	27724	BNA-Water	2-Picoline	0.95	ug/L	U	0.95	3.8
8/20/2002 14:10	27724	BNA-Water	3,3'-Dichlorobenzidine	38	ug/L	U	38	150
8/20/2002 14:10	27724	BNA-Water	3,3'-Dimethylbenzidine	19	ug/L	U	19	76
8/20/2002 14:10	27724	BNA-Water	3-Methylcholanthrene	0.95	ug/L	U	0.95	3.8
8/20/2002 14:10	27724	BNA-Water	3-Nitroaniline	0.95	ug/L	U	0.95	3.8
8/20/2002 14:10	27724	BNA-Water	4,4'-DDD	1.4	ug/L	U	1.4	5.7
8/20/2002 14:10	27724	BNA-Water	4,4'-DDE	1.4	ug/L	U	1.4	5.7
8/20/2002 14:10	27724	BNA-Water	4,4'-DDT	1.4	ug/L	U	1.4	5.7
8/20/2002 14:10	27724	BNA-Water	4-Aminobiphenyl	3.8	ug/L	U	3.8	15
8/20/2002 14:10	27724	BNA-Water	4-Bromophenyl phenyl ether	0.95	ug/L	U	0.95	3.8
8/20/2002 14:10	27724	BNA-Water	4-Chloro-3-methylphenol	0.95	ug/L	U	0.95	3.8
8/20/2002 14:10	27724	BNA-Water	4-Chloroaniline	0.95	ug/L	U	0.95	3.8
8/20/2002 14:10	27724	BNA-Water	4-Chlorophenyl phenyl ether	1.9	ug/L	U	1.9	7.6
8/20/2002 14:10	27724	BNA-Water	4-Nitroaniline	0.95	ug/L	U	0.95	3.8
8/20/2002 14:10	27724	BNA-Water	4-Nitrophenol	14	ug/L	U	14	57
8/20/2002 14:10	27724	BNA-Water	5-Nitro-o-toluidine	0.95	ug/L	U	0.95	3.8
8/20/2002 14:10	27724	BNA-Water	7,12-Dimethylbenz(a)anthracene	0.95	ug/L	U	0.95	3.8
8/20/2002 14:10	27724	BNA-Water	Acenaphthene	0.95	ug/L	U	0.95	3.8
8/20/2002 14:10	27724	BNA-Water	Acenaphthylene	0.95	ug/L	U	0.95	3.8
8/20/2002 14:10	27724	BNA-Water	Acetophenone	0.95	ug/L	U	0.95	3.8
8/20/2002 14:10	27724	BNA-Water	Aldrin	1.4	ug/L	U	1.4	5.7
8/20/2002 14:10	27724	BNA-Water	Aniline	0.95	ug/L	U	0.95	3.8
8/20/2002 14:10	27724	BNA-Water	Anthracene	0.95	ug/L	U	0.95	3.8

8/20/2002 14:10	27724	BNA-Water	Azobenzene/1,2-Diphenylhydrazine	0.95	ug/L	U	0.95	3.8
8/20/2002 14:10	27724	BNA-Water	Benzidine	95	ug/L	U	95	380
8/20/2002 14:10	27724	BNA-Water	Benzo(a)anthracene	0.95	ug/L	U	0.95	3.8
8/20/2002 14:10	27724	BNA-Water	Benzo(a)pyrene	0.95	ug/L	U	0.95	3.8
8/20/2002 14:10	27724	BNA-Water	Benzo(b)fluoranthene	0.95	ug/L	U	0.95	3.8
8/20/2002 14:10	27724	BNA-Water	Benzo(g,h,i)perylene	0.95	ug/L	U	0.95	3.8
8/20/2002 14:10	27724	BNA-Water	Benzo(k)fluoranthene	0.95	ug/L	U	0.95	3.8
8/20/2002 14:10	27724	BNA-Water	Benzyl alcohol	0.95	ug/L	U	0.95	3.8
8/20/2002 14:10	27724	BNA-Water	Bis(2-chloroethoxy)methane	0.95	ug/L	U	0.95	3.8
8/20/2002 14:10	27724	BNA-Water	Bis(2-chloroethyl)ether	0.95	ug/L	U	0.95	3.8
8/20/2002 14:10	27724	BNA-Water	Bis(2-chloroisopropyl)ether	2.9	ug/L	U	2.9	11
8/20/2002 14:10	27724	BNA-Water	Bis(2-ethylhexyl)phthalate	14	ug/L	U	14	57
8/20/2002 14:10	27724	BNA-Water	Butyl benzyl phthalate	4.8	ug/L	U	4.8	19
8/20/2002 14:10	27724	BNA-Water	Chrysene	0.95	ug/L	U	0.95	3.8
8/20/2002 14:10	27724	BNA-Water	Di-n-butyl phthalate	4.8	ug/L	U	4.8	19
8/20/2002 14:10	27724	BNA-Water	Di-n-octyl phthalate	0.95	ug/L	U	0.95	3.8
8/20/2002 14:10	27724	BNA-Water	Dibenzo(a,h)anthracene	0.95	ug/L	U	0.95	3.8
8/20/2002 14:10	27724	BNA-Water	Dibenzofuran	0.95	ug/L	U	0.95	3.8
8/20/2002 14:10	27724	BNA-Water	Dieldrin	1.4	ug/L	U	1.4	5.7
8/20/2002 14:10	27724	BNA-Water	Diethyl phthalate	0.95	ug/L	U	0.95	3.8
8/20/2002 14:10	27724	BNA-Water	Dimethyl phthalate	48	ug/L	U	48	190
8/20/2002 14:10	27724	BNA-Water	Dimethylaminoazobenzene	0.95	ug/L	U	0.95	3.8
8/20/2002 14:10	27724	BNA-Water	Dinoseb	3.8	ug/L	U	3.8	15
8/20/2002 14:10	27724	BNA-Water	Diphenylamine	2.9	ug/L	U	2.9	11
8/20/2002 14:10	27724	BNA-Water	Endosulfan I	3.8	ug/L	U	3.8	15
8/20/2002 14:10	27724	BNA-Water	Endosulfan II	3.8	ug/L	U	3.8	15
8/20/2002 14:10	27724	BNA-Water	Endosulfan sulfate	1.4	ug/L	U	1.4	5.7
8/20/2002 14:10	27724	BNA-Water	Endrin	1.4	ug/L	U	1.4	5.7
8/20/2002 14:10	27724	BNA-Water	Endrin aldehyde	3.8	ug/L	U	3.8	15
8/20/2002 14:10	27724	BNA-Water	Ethyl methanesulfonate	0.95	ug/L	U	0.95	3.8
8/20/2002 14:10	27724	BNA-Water	Fluoranthene	0.95	ug/L	U	0.95	3.8
8/20/2002 14:10	27724	BNA-Water	Fluorene	0.95	ug/L	U	0.95	3.8
8/20/2002 14:10	27724	BNA-Water	Heptachlor	1.4	ug/L	U	1.4	5.7
8/20/2002 14:10	27724	BNA-Water	Heptachlor epoxide	1.4	ug/L	U	1.4	5.7
8/20/2002 14:10	27724	BNA-Water	Hexachlorobenzene	0.95	ug/L	U	0.95	3.8
8/20/2002 14:10	27724	BNA-Water	Hexachlorobutadiene	2.9	ug/L	U	2.9	11
8/20/2002 14:10	27724	BNA-Water	Hexachlorocyclopentadiene	2.9	ug/L	U	2.9	11

8/20/2002 14:10	27724	BNA-Water	Hexachloroethane	2.9	ug/L	U	2.9	11
8/20/2002 14:10	27724	BNA-Water	Hexachloropropene	1.9	ug/L	U	1.9	7.6
8/20/2002 14:10	27724	BNA-Water	Indeno(1,2,3-cd)pyrene	0.95	ug/L	U	0.95	3.8
8/20/2002 14:10	27724	BNA-Water	Isophorone	0.95	ug/L	U	0.95	3.8
8/20/2002 14:10	27724	BNA-Water	Isosafrole	0.95	ug/L	U	0.95	3.8
8/20/2002 14:10	27724	BNA-Water	Methapyrilene	3.8	ug/L	U	3.8	15
8/20/2002 14:10	27724	BNA-Water	Methyl methanesulfonate	0.95	ug/L	U	0.95	3.8
8/20/2002 14:10	27724	BNA-Water	N-Nitrosodi-n-butylamine	0.95	ug/L	U	0.95	3.8
8/20/2002 14:10	27724	BNA-Water	N-Nitrosodi-n-propylamine	1.9	ug/L	U	1.9	7.6
8/20/2002 14:10	27724	BNA-Water	N-Nitrosodiethylamine	0.95	ug/L	U	0.95	3.8
8/20/2002 14:10	27724	BNA-Water	N-Nitrosodimethylamine	1.9	ug/L	U	1.9	7.6
8/20/2002 14:10	27724	BNA-Water	N-Nitrosodiphenylamine	2.9	ug/L	U	2.9	11
8/20/2002 14:10	27724	BNA-Water	N-Nitrosomethylethylamine	1.9	ug/L	U	1.9	7.6
8/20/2002 14:10	27724	BNA-Water	N-Nitrosomorpholine	0.95	ug/L	U	0.95	3.8
8/20/2002 14:10	27724	BNA-Water	N-Nitrosopiperidine	0.95	ug/L	U	0.95	3.8
8/20/2002 14:10	27724	BNA-Water	N-Nitrosopyrrolidine	1.9	ug/L	U	1.9	7.6
8/20/2002 14:10	27724	BNA-Water	Naphthalene	0.95	ug/L	U	0.95	3.8
8/20/2002 14:10	27724	BNA-Water	Nitrobenzene	1.9	ug/L	U	1.9	7.6
8/20/2002 14:10	27724	BNA-Water	Nitroquinoline-1-oxide	19	ug/L	U	19	76
8/20/2002 14:10	27724	BNA-Water	Pentachlorobenzene	0.95	ug/L	U	0.95	3.8
8/20/2002 14:10	27724	BNA-Water	Pentachloroethane	48	ug/L	U	48	190
8/20/2002 14:10	27724	BNA-Water	Pentachloronitrobenzene	0.95	ug/L	U	0.95	3.8
8/20/2002 14:10	27724	BNA-Water	Pentachlorophenol	2.9	ug/L	U	2.9	11
8/20/2002 14:10	27724	BNA-Water	Phenacetin	3.8	ug/L	U	3.8	11
8/20/2002 14:10	27724	BNA-Water	Phenanthrene	0.95	ug/L	U	0.95	3.8
8/20/2002 14:10	27724	BNA-Water	Phenol	0.95	ug/L	U	0.95	3.8
8/20/2002 14:10	27724	BNA-Water	Pyrene	0.95	ug/L	U	0.95	3.8
8/20/2002 14:10	27724	BNA-Water	Pyridine	3.8	ug/L	U	3.8	15
8/20/2002 14:10	27724	BNA-Water	Safrole	0.95	ug/L	U	0.95	3.8
8/20/2002 14:10	27724	BNA-Water	alpha-BHC	1.4	ug/L	U	1.4	5.7
8/20/2002 14:10	27724	BNA-Water	beta-BHC	1.4	ug/L	U	1.4	5.7
8/20/2002 14:10	27724	BNA-Water	delta-BHC	1.4	ug/L	U	1.4	5.7
8/20/2002 14:10	27724	BNA-Water	gamma-BHC	1.4	ug/L	U	1.4	5.7
8/20/2002 14:10	27724	BNA-Water	m,p-Cresols	1.9	ug/L	U	1.9	7.6
8/20/2002 14:10	27724	BNA-Water	o-Cresol	1.9	ug/L	U	1.9	7.6
8/20/2002 14:10	27724	BNA-Water	o-Toluidine	0.95	ug/L	U	0.95	3.8
8/20/2002 14:10	27724	GC-Water	Alachlor	0.63	ug/L	U	0.63	2.52

8/20/2002 14:10	27724	GC-Water	Ametryn	0.053	ug/L	U	0.053	0.212
8/20/2002 14:10	27724	GC-Water	Atrazine	0.053	ug/L	U	0.053	0.212
8/20/2002 14:10	27724	GC-Water	Azinphos Methyl	0.053	ug/L	U	0.053	0.212
8/20/2002 14:10	27724	GC-Water	Bromacil	0.21	ug/L	U	0.21	0.84
8/20/2002 14:10	27724	GC-Water	Butylate	0.21	ug/L	U	0.21	0.84
8/20/2002 14:10	27724	GC-Water	Chlorpyrifos Ethyl	0.053	ug/L	U	0.053	0.212
8/20/2002 14:10	27724	GC-Water	Chlorpyrifos Methyl	0.11	ug/L	U	0.11	0.44
8/20/2002 14:10	27724	GC-Water	Diazinon	0.053	ug/L	U	0.053	0.212
8/20/2002 14:10	27724	GC-Water	Ethion	0.053	ug/L	U	0.053	0.212
8/20/2002 14:10	27724	GC-Water	Ethoprop	0.11	ug/L	U	0.11	0.44
8/20/2002 14:10	27724	GC-Water	Fenamiphos	0.21	ug/L	U	0.21	0.84
8/20/2002 14:10	27724	GC-Water	Fonofos	0.11	ug/L	U	0.11	0.44
8/20/2002 14:10	27724	GC-Water	Hexazinone	0.11	ug/L	U	0.11	0.44
8/20/2002 14:10	27724	GC-Water	Malathion	0.16	ug/L	U	0.16	0.64
8/20/2002 14:10	27724	GC-Water	Metalaxyl	0.26	ug/L	U	0.26	1.04
8/20/2002 14:10	27724	GC-Water	Metolachlor	0.53	ug/L	U	0.53	2.12
8/20/2002 14:10	27724	GC-Water	Metribuzin	0.11	ug/L	U	0.11	0.44
8/20/2002 14:10	27724	GC-Water	Mevinphos	0.21	ug/L	U	0.21	0.84
8/20/2002 14:10	27724	GC-Water	Naled	0.84	ug/L	U	0.84	3.36
8/20/2002 14:10	27724	GC-Water	Norflurazon	0.11	ug/L	U	0.11	0.44
8/20/2002 14:10	27724	GC-Water	Parathion Ethyl	0.16	ug/L	U	0.16	0.64
8/20/2002 14:10	27724	GC-Water	Parathion Methyl	0.11	ug/L	U	0.11	0.44
8/20/2002 14:10	27724	GC-Water	Phorate	0.053	ug/L	U	0.053	0.212
8/20/2002 14:10	27724	GC-Water	Prometryn	0.16	ug/L	U	0.16	0.64
8/20/2002 14:10	27724	GC-Water	Simazine	0.053	ug/L	U	0.053	0.212
8/20/2002 14:10	27724	Metals-Water	Aluminum	5	ug/L	U	5	20
8/20/2002 14:10	27724	Metals-Water	Arsenic	3	ug/L	U	3	12
8/20/2002 14:10	27724	Metals-Water	Cadmium	0.025	ug/L	U	0.025	0.1
8/20/2002 14:10	27724	Metals-Water	Calcium	0.02	mg/L	U	0.02	0.08
8/20/2002 14:10	27724	Metals-Water	Chromium	2	ug/L	U	2	8
8/20/2002 14:10	27724	Metals-Water	Copper	0.75	ug/L	U	0.75	3
8/20/2002 14:10	27724	Metals-Water	Iron	7	ug/L	U	7	28
8/20/2002 14:10	27724	Metals-Water	Lead	0.1	ug/L	U	0.1	0.4
8/20/2002 14:10	27724	Metals-Water	Magnesium	0.01	mg/L	U	0.01	0.04
8/20/2002 14:10	27724	Metals-Water	Nickel	1.5	ug/L	U	1.5	6
8/20/2002 14:10	27724	Metals-Water	Selenium	1	ug/L	U	1	4
8/20/2002 14:10	27724	Metals-Water	Silver	0.02	ug/L	U	0.02	0.08

8/20/2002 14:10	27724	Metals-Water	Zinc	2	ug/L	U	2	8
8/20/2002 14:10	27724	Nutrients-Liquid	Ammonia-N	0.01	mg N/L	U	0.01	0.02
8/20/2002 14:10	27724	Nutrients-Liquid	Chloride	0.2	mg Cl/L	U	0.2	0.5
8/20/2002 14:10	27724	Nutrients-Liquid	Fluoride	0.05	mg F/L	U	0.05	0.1
8/20/2002 14:10	27724	Nutrients-Liquid	NO2NO3-N	0.004	mg N/L	U	0.004	0.01
8/20/2002 14:10	27724	Nutrients-Liquid	N_KJEL_TOT	0.06	mg N/L	U	0.06	0.2
8/20/2002 14:10	27724	Nutrients-Liquid	O-Phosphate-P	0.004	mg P/L	U	0.004	0.01
8/20/2002 14:10	27724	Nutrients-Liquid	Sulfate	0.2	mg SO4/L	U	0.2	0.5
8/20/2002 14:10	27724	Nutrients-Liquid	Total-P	0.015	mg P/L	U	0.015	0.04

The Bioassay of Coronet Industries, Inc. effluent sampled on August 20, 2002, NPDES #FL0034657.

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 3 4 6 5 7 # #		0 2 0 8 2 0		# **B**	# **S**	# 2

Remarks

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The Priority Pollutants Analysis for Bioassay of Coronet Industries, Inc. effluent sampled on August 20, 2002, NPDES #FL0034657.

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 3 4 6 5 7 # #		0 2 0 8 2 0		# **B**	# **S**	# 2

Remarks

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