

Bioassays of

Florida Power Corporation
Crystal River Power Plant

Crystal River, Citrus County, Florida

NPDES #FL0000159

Sampled 4/7/03 & 4/8/03

December 2003

Biology Section
Bureau of Laboratories
Division of Resource Assessment & Management

Comprehensive Quality Assurance Plan #870346G

Florida Power Corporation Crystal River Power Plant, US Highway 19 and Powerline Road, Crystal River, Citrus County, Florida, NPDES #FL0000159, tests for outfall D013 performed on 8 to 10 April 2003 and tests for outfall D011 performed on 9 to 11 April 2003.

Introduction

This electric power generating plant has a design flow of 1897.9 MGD and an average flow of 1733.5 MGD (May 2002-May 2003-flow data collected after sampling events). The facility consists of two fossil fuel-fired units (Units #1 and #2) and a nuclear fuel-fired unit (Unit #3). The facility has a combined nameplate generating capacity of 1854.8 megawatts. Effluent discharged through Outfalls D011 (Unit#1) and D013 (Unit#3) consists of once-through cooling water. Treatment of cooling water consists of filtration and chlorination (if necessary) prior to discharging to the on-site discharge canal. The effluent then flows into the Gulf of Mexico, Class III marine water.

The facility has an additional outfall (D-OF) that discharges the Nuclear Services and Decay Heat Seawater System effluent. This effluent includes effluents from internal outfalls: I-FE (Laundry and shower sump tank), I-FG (regeneration waste neutralization tank), ECST (Evaporator Condensate Storage Tank), and the condensate system (facility information provided by, Melissa Gunter, FDEP Southwest District, Tampa). This was not sampled for this inspection. Samples were collected for this outfall in June 2003.

Methods

Samples were collected by Melissa Gunter and Charles Kovach 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_03 and TA07_04. All internal DEP SOP's are available on the web at: http://www.floridadep.org/labs/cgi-bin/sop/biosop.asp.

Toxicity Test Results

Outfall D013 sampled 4/7/03
Americamysis bahia 48-hr acute screening bioassay – Not Toxic
*Menidia beryllina*48-hr acute screening bioassay – Not Toxic

Outfall D011 sampled 4/8/03
Americamysis bahia 48-hr acute screening bioassay – Not Toxic
Menidia beryllina 48-hr acute screening bioassay – Not Toxic

See Table 1 (outfall D013) and Table 2 (outfall D011) for bioassay bench sheets.

Algal Growth Potential

The effluent AGP results for outfall D013 and outfall D011 were 2.92 mg dry wt/L and 2.1 mg dry wt/L of *Dunaliella tertiolecta*, respectively. Raschke and Shultz (1987) 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).

Chemistry Results

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

See Table 3 (outfall D013) and Table 4 (outfall D011) for analytes detected in the effluent samples.

See Table 5 (outfall D013) and Table 6 (outfall D011) for a complete list of chemical analyses performed.

Conclusion

The effluent sample collected from outfall D013 on April 7, 2003, and the effluent sample collected from outfall D011 on April 8, 2003, did not show acute toxicity to either test species during the 48-hour acute bioassay tests. AGP test results for both effluents were well below the "problem" threshold for marine waters.

Table 1. Data recorded during the 48-hour acute screening bioassays of a sample of effluent from Outfall D013 of the Florida Power Corporation Crystal River Power Plant, US Highway 19 and Powerline Road, Crystal River, Citrus County, Florida, NPDES# FL0000159, performed from 8 to 10 April 2003.

Facility:	**FPC Crystal River Power Plant Outfall D013**	**NPDES #:**	**FL0000159**	Facility Type:	**Power Plant**	**Analysts:**	Jacquelyn Brynda
Location:	US Hwy 19 and Powerline Road, Crystal River	Contact/District:	Gunter/SW				Joshua Ayres
County:	Citrus	Test type:	static acute screen				James Daniels
Sample Collection Date:	4/7/2003 Time: 1300	# tests:	4	Receiving Water:	Discharge Canal to Gulf of Mexico		Marshall Faircloth
Test Beginning Date:	4/8/2003 Time: 1500	Chlorination Type:	chlorinated (as needed)				
Test Ending Date:	4/10/2003 Time: 1345		received unchlorinated				
		FDEP SOP#:	TA07_03 / 04		**Page 1 of 1**	**Reviewer:**	Rob Buda

Organism: ***Americamysis bahia*** Life stage: 4 days [A]Feeding: artemia Conductivity

Chamber size: 1L Food Batch #: 01940425G Uncorrected

	Sample/Diluent	SURVIVAL # Alive			pH (standard units)			Temperature (oC)B			Dissolved Oxygen (mg/L)			mmhos/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	7.9	8.0	7.8	24.9	24.7	25.3	6.0	5.8	5.5	36.6	39.2
Control B	0/500	5	5	5	7.9	8.0	7.8	24.9	24.2	24.9	6.2	6.0	5.3	37.2	39.0
Control C	0/500	5	4	4	7.9	8.0	7.8	24.9	24.2	24.9	6.5	6.2	4.9	37.1	38.5
Control D	0/500	5	5	5	7.9	8.0	7.8	24.8	24.5	25.2	6.5	6.2	4.8	36.7	38.6
100% A	500/0	5	4	3	8.0	8.0	7.8	26.0	24.3	25.2	6.5	6.3	4.8	37.3	38.0
100% B	500/0	5	5	5	8.0	8.0	7.7	26.1	24.5	25.6	6.5	6.3	4.9	37.5	38.9
100% C	500/0	5	5	5	8.0	8.0	7.7	26.2	24.7	25.9	6.5	6.2	4.8	37.5	39.4
100% D	500/0	5	5	4	8.0	8.0	7.6	26.2	24.3	25.1	6.5	6.2	4.5	37.6	38.3

[A] Organisms were fed daily.

[B] Temperatures of room and test incubator were continuously recorded on a strip chart recorder.
Room Temperature range for the test period was 25.0-26.0°C.
Incubator #3 temperature range for the test period was 24.5-25.0°C.

Organism: ***Menidia beryllina*** Life stage: 12 days [C]Feeding: artemia Conductivity

Chamber size: 1L Food Batch #: 01940425G Uncorrected

	Sample/Diluent	SURVIVAL # Alive			pH (standard units)			Temperature (oC)B			Dissolved Oxygen (mg/L)			mmhos/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	7.9	8.0	8.0	25.0	24.1	24.5	6.6	6.7	5.7	36.5	38.2
Control B	0/500	5	5	5	7.9	8.0	8.0	24.9	24.0	24.6	6.6	6.6	5.9	37.0	38.6
Control C	0/500	5	5	5	7.9	8.0	8.0	24.9	23.8	24.7	6.6	6.6	6.1	37.0	38.7
Control D	0/500	5	5	5	7.9	8.0	8.0	24.9	24.0	24.4	6.6	6.6	6.1	37.2	38.2
100% A	500/0	5	5	5	8.0	8.0	8.0	26.1	24.3	24.6	6.6	6.5	6.2	37.4	38.1
100% B	500/0	5	5	5	8.0	8.0	8.0	26.2	24.2	24.1	6.6	6.5	6.3	37.3	37.7
100 % C	500/0	5	5	5	8.0	8.0	8.0	26.2	23.8	24.6	6.5	6.5	6.3	37.6	37.9
100% D	500/0	5	5	5	8.0	8.0	8.0	26.2	24.0	24.5	6.5	6.4	6.2	37.4	37.8

[C] Organisms were fed prior to testing.

[D] Temperatures of room and test incubator were continuously recorded on a strip chart recorder.
Room Temperature range for the test period was 25.0-26.0°C.
Incubator #3 temperature range for the test period was 24.5-25.0°C.

LIMS	
Job number:	TLH-2003-04-08-07-01
sample number:	664935

Data Transcription Verification
date: 10/2/03
by: Cathy Oakes and Brad Richardson

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

Ammonia	Total (mg/L)	ionized (mg/L)
Control water :	<0.017	<0.017
100% Sample:	<0.017	<0.017

Alk & Hardness	Alkalinity (mg/L)	ardness (mg/L)
Control water:	140	-
100% Sample:	139	-

Salinity [E]	ppt
Mysid control:	24
Menidia control:	24
100% sample:	24

[E] Salinity based on conductivity and temperature.

Light Intensity during the test was 50-100 foot candles.
Photoperiod during the test was 16 hours of light : 8 hours of dark.

Table 2. Data recorded during the 48-hour acute screening bioassays of a sample of effluent from Outfall D011 of the Florida Power Corporation Crystal River Power Plant, US Highway 19 and Powerline Road, Crystal River, Citrus County, Florida, NPDES# FL0000159, performed from 9 to 11 April 2003.

Facility:	**FPC Crystal River Power Plant Outfall D011**	**NPDES #:**	**FL0000159**	Facility Type:	**Power Plant**	**Analysts:**	Jacquelyn Brynda
Location:	US Hwy 19 and Powerline Road, Crystal River	Contact/District:	Gunter/SW				Joshua Ayres
County:	Citrus	Test type:	static acute screen				James Daniels
Sample Collection Date:	4/8/2003 Time: 1400	# tests:	4	Receiving Water:	Discharge Canal to Gulf of Mexico		Marshall Faircloth
Test Beginning Date:	4/9/2003 Time: 1400	Chlorination Type:	chlorinated (as needed)				
Test Ending Date:	4/11/2003 Time: 1350		received nonchlorinated				
		FDEP SOP#:	TA07_03 / 04		**Page 1 of 1**	**Reviewer:**	Rob Buda

Organism: ***Americamysis bahia*** Life stage: 5 days [A]Feeding: artemia Conductivity Uncorrected

Chamber size: 1L Food Batch #: 01940425G

	Sample/Diluent	SURVIVAL # Alive			pH (standard units)			Temperature (°C)[B]			Dissolved Oxygen (mg/L)			mmhos/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	7.9	7.7	8.1	25.5	24.1	23.2	6.2	5.0	7.1	36.6	38.2
Control B	0/500	5	5	5	7.9	7.7	8.1	25.5	24.3	23.2	6.5	4.9	7.2	37.0	37.9
Control C	0/500	5	5	5	7.9	7.7	8.1	25.4	24.2	23.2	6.3	4.2	7.1	37.0	38.2
Control D	0/500	5	5	5	7.9	7.7	8.1	25.5	24.2	23.4	6.4	4.2	7.1	37.7	37.6
100% A	500/0	5	5	5	8.0	7.7	8.1	25.1	24.3	23.2	6.3	4.4	7.2	36.7	36.9
100% B	500/0	5	5	5	8.0	7.7	8.1	24.9	24.3	23.2	6.3	4.4	7.2	36.7	37.2
100% C	500/0	5	5	5	8.0	7.7	7.7	24.7	24.1	22.9	6.2	4.6	6.7	36.2	37.5
100% D	500/0	5	5	5	8.0	7.7	8.1	24.9	24.5	23.3	6.2	4.6	6.2	36.6	37.5

[A] Organisms were fed daily.

[B] Temperatures of room and test incubator were continuously recorded on a strip chart recorder.
Room Temperature range for the test period was 24.5-25.5°C.
Incubator #3 temperature range for the test period was 24.0-25.0°C.

Organism: ***Menidia beryllina*** Life stage: 13 days [C]Feeding: artemia Conductivity Uncorrected

Chamber size: 1L Food Batch #: 01940425G

	Sample/Diluent	SURVIVAL # Alive			pH (standard units)			Temperature (°C)[D]			Dissolved Oxygen (mg/L)			mmhos/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	7.9	8.0	8.1	25.5	24.0	24.4	6.4	5.4	6.7	37.0	38.0
Control B	0/500	5	5	5	7.9	8.0	8.1	25.6	24.4	24.2	6.4	6.5	6.7	37.5	38.8
Control C	0/500	5	5	5	7.9	8.0	8.1	25.4	24.0	24.6	6.2	6.6	6.6	37.5	38.3
Control D	0/500	5	5	5	7.9	8.0	8.1	25.5	24.2	24.3	6.2	6.5	6.6	37.6	38.3
100% A	500/0	5	5	5	8.0	8.0	8.0	25.2	24.2	24.9	6.2	6.5	6.3	36.7	32.9
100% B	500/0	5	5	5	8.0	8.0	8.0	25.1	24.0	24.5	6.2	6.5	6.2	36.7	32.5
100 % C	500/0	5	5	5	8.0	8.0	8.0	25.0	24.0	24.7	6.3	6.5	6.1	36.5	32.5
100% D	500/0	5	5	4	8.0	8.0	8.0	25.0	24.3	24.2	6.6	6.5	6.1	36.7	32.8

[C] Organisms were fed prior to testing.

[D] Temperatures of room and test incubator were continuously recorded on a strip chart recorder.
Room Temperature range for the test period was 24.5-25.5°C.
Incubator #3 temperature range for the test period was 24.0-25.0°C.

LIMS
Job number: H-2003-04-09-34
sample number: 665731

Data Transcription Verification
date: 10/2/03
by: Cathy Oakes / Brad Richardson

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

Ammonia	Total (mg/L)	Unionized (mg/L
Control water :	<0.017	<0.017
100% Sample:	<0.051	<0.051

Alk & Hardness	Alkalinity (mg/L	Hardness (mg/L)
Control water:	140	-
100% Sample:	130	-

Salinity [E]	ppt
Mysid control:	24
Menidia control:	24
100% sample:	23.3

[E] Salinity based on conductivity and temperature.

Light Intensity during the test was 50-100 foot candles. Photoperiod during the test was 16 hours of light : 8 hours of dark.

Table 3. Results of chemical analyses performed on the effluent from the Florida Power Corporation Crystal River Power Plant outfall D013 sampled on April 7, 2003.

Metals

Aluminum	82	ug/L	
Calcium	298	mg/L	
Iron	129	ug/L	I
Magnesium	862	mg/L	

Pesticides and Herbicides

None detected

Nutrients

Ammonia-N	0.041	mg N/L	V
Nitrate+Nitrite	0.014	mg N/L	
Total Kjeldahl Nitrogen	0.59	mg N/L	A
Ortho-Phosphate	0.009	mg P/L	I
Total Phosphorus	0.053	mg P/L	A

Base, Neutral, & Acid Extractable Organics

None detected

[A] The reported value is an average of two or more values.
[I] The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
[V] Analyte was detected in both the sample and field blank.

Table 4. Results of chemical analyses performed on the effluent from the Florida Power Corporation Crystal River Power Plant outfall D011 sampled on April 8, 2003.

Metals

Aluminum	63	ug/L	
Calcium	294	mg/L	
Copper	1.6	ug/L	
Iron	97	ug/L	I
Magnesium	846	mg/L	

Pesticides and Herbicides

None detected

Nutrients

Ammonia-N	0.11	mg N/L	
Nitrate+Nitrite	0.017	mg N/L	
Total Kjeldahl Nitrogen	0.56	mg N/L	A
Ortho-Phosphate	0.009	mg P/L	I
Total Phosphorus	0.046	mg P/L	A

Base, Neutral, & Acid Extractable Organics

None detected

[A] The reported value is an average of two or more values.
[I] The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.

Table 5. Chemical results from analyses performed on the effluent from Outfall D013, Florida Power Crystal River Power Plant, sampled on April 7, 2003.

Date Sampled	Field ID	Analysis Group	Component	Result	Units	Remark	MDL	PQL
4/7/2003 13:00	D-013	Bio-AGP/LimNut	Algal Growth Potential	2.92	mg DryWt/L		0.1	0.3
4/7/2003 13:00	D-013	Bio-Chl-a	Chlorophyll-A, Monochromatic, Water	0.85	ug/L	U	0.85	2.6
4/7/2003 13:00	D-013	Bio-Chl-a	Phaeophytin-A, Monochromatic, Water	0.85	ug/L	U	0.85	2.6
4/7/2003 13:00	D-013	Bio-Toxicology	Bioassay-Acute-Screen-SW-Fish, LC50	100	LC50	L		
4/7/2003 13:00	D-013	Bio-Toxicology	Bioassay-Acute-Screen-SW-Mysid, LC50	100	LC50	L		
4/7/2003 13:00	D-013	BNA-Water	1,2,4,5-Tetrachlorobenzene	0.94	ug/L	U	0.94	3.8
4/7/2003 13:00	D-013	BNA-Water	1,2,4-Trichlorobenzene	0.94	ug/L	U	0.94	3.8
4/7/2003 13:00	D-013	BNA-Water	1,2-Dichlorobenzene	0.94	ug/L	U	0.94	3.8
4/7/2003 13:00	D-013	BNA-Water	1,3,5-Trinitrobenzene	3.8	ug/L	U	3.8	15
4/7/2003 13:00	D-013	BNA-Water	1,3-Dichlorobenzene	0.94	ug/L	U	0.94	3.8
4/7/2003 13:00	D-013	BNA-Water	1,3-Dinitrobenzene	1.9	ug/L	U	1.9	7.5
4/7/2003 13:00	D-013	BNA-Water	1,4-Dichlorobenzene	0.94	ug/L	U	0.94	3.8
4/7/2003 13:00	D-013	BNA-Water	1,4-Naphthoquinone	19	ug/L	UJ	19	75
4/7/2003 13:00	D-013	BNA-Water	1-Naphthylamine	9.4	ug/L	UJ	9.4	38
4/7/2003 13:00	D-013	BNA-Water	2,3,4,6-Tetrachlorophenol	1.9	ug/L	U	1.9	7.5
4/7/2003 13:00	D-013	BNA-Water	2,4,5-Trichlorophenol	0.94	ug/L	U	0.94	3.8
4/7/2003 13:00	D-013	BNA-Water	2,4,6-Trichlorophenol	0.94	ug/L	U	0.94	3.8
4/7/2003 13:00	D-013	BNA-Water	2,4-Dichlorophenol	0.94	ug/L	U	0.94	3.8
4/7/2003 13:00	D-013	BNA-Water	2,4-Dimethylphenol	47	ug/L	U	47	190
4/7/2003 13:00	D-013	BNA-Water	2,4-Dinitrophenol	14	ug/L	U	14	57
4/7/2003 13:00	D-013	BNA-Water	2,4-Dinitrotoluene	0.94	ug/L	U	0.94	3.8
4/7/2003 13:00	D-013	BNA-Water	2,6-Dichlorophenol	0.94	ug/L	U	0.94	3.8
4/7/2003 13:00	D-013	BNA-Water	2,6-Dinitrotoluene	0.94	ug/L	U	0.94	3.8
4/7/2003 13:00	D-013	BNA-Water	2-Acetylaminofluorene	0.94	ug/L	U	0.94	3.8
4/7/2003 13:00	D-013	BNA-Water	2-Chloronaphthalene	0.94	ug/L	U	0.94	3.8
4/7/2003 13:00	D-013	BNA-Water	2-Chlorophenol	0.94	ug/L	U	0.94	3.8
4/7/2003 13:00	D-013	BNA-Water	2-Methyl-4,6-dinitrophenol	2.8	ug/L	U	2.8	11
4/7/2003 13:00	D-013	BNA-Water	2-Methylnaphthalene	0.94	ug/L	U	0.94	3.8
4/7/2003 13:00	D-013	BNA-Water	2-Naphthylamine	9.4	ug/L	U	9.4	38
4/7/2003 13:00	D-013	BNA-Water	2-Nitroaniline	0.94	ug/L	U	0.94	3.8
4/7/2003 13:00	D-013	BNA-Water	2-Nitrophenol	0.94	ug/L	U	0.94	3.8
4/7/2003 13:00	D-013	BNA-Water	2-Picoline	0.94	ug/L	U	0.94	3.8
4/7/2003 13:00	D-013	BNA-Water	3,3'-Dichlorobenzidine	38	ug/L	U	38	150
4/7/2003 13:00	D-013	BNA-Water	3,3'-Dimethylbenzidine	19	ug/L	UJ	19	75
4/7/2003 13:00	D-013	BNA-Water	3-Methylcholanthrene	0.94	ug/L	U	0.94	3.8
4/7/2003 13:00	D-013	BNA-Water	3-Nitroaniline	0.94	ug/L	U	0.94	3.8
4/7/2003 13:00	D-013	BNA-Water	4,4'-DDD	1.4	ug/L	U	1.4	5.7
4/7/2003 13:00	D-013	BNA-Water	4,4'-DDE	1.4	ug/L	U	1.4	5.7
4/7/2003 13:00	D-013	BNA-Water	4,4'-DDT	1.4	ug/L	U	1.4	5.7
4/7/2003 13:00	D-013	BNA-Water	4-Aminobiphenyl	3.8	ug/L	U	3.8	15
4/7/2003 13:00	D-013	BNA-Water	4-Bromophenyl phenyl ether	0.94	ug/L	U	0.94	3.8
4/7/2003 13:00	D-013	BNA-Water	4-Chloro-3-methylphenol	0.94	ug/L	U	0.94	3.8
4/7/2003 13:00	D-013	BNA-Water	4-Chloroaniline	0.94	ug/L	U	0.94	3.8
4/7/2003 13:00	D-013	BNA-Water	4-Chlorophenyl phenyl ether	1.9	ug/L	U	1.9	7.5
4/7/2003 13:00	D-013	BNA-Water	4-Nitroaniline	0.94	ug/L	U	0.94	3.8
4/7/2003 13:00	D-013	BNA-Water	4-Nitrophenol	14	ug/L	U	14	57
4/7/2003 13:00	D-013	BNA-Water	5-Nitro-o-toluidine	0.94	ug/L	U	0.94	3.8
4/7/2003 13:00	D-013	BNA-Water	7,12-Dimethylbenz(a)anthracene	0.94	ug/L	U	0.94	3.8
4/7/2003 13:00	D-013	BNA-Water	Acenaphthene	0.94	ug/L	U	0.94	3.8
4/7/2003 13:00	D-013	BNA-Water	Acenaphthylene	0.94	ug/L	U	0.94	3.8
4/7/2003 13:00	D-013	BNA-Water	Acetophenone	0.94	ug/L	U	0.94	3.8
4/7/2003 13:00	D-013	BNA-Water	Aldrin	1.4	ug/L	U	1.4	5.7
4/7/2003 13:00	D-013	BNA-Water	Aniline	0.94	ug/L	U	0.94	3.8
4/7/2003 13:00	D-013	BNA-Water	Anthracene	0.94	ug/L	U	0.94	3.8
4/7/2003 13:00	D-013	BNA-Water	Azobenzene/1,2-Diphenylhydrazine	0.94	ug/L	U	0.94	3.8
4/7/2003 13:00	D-013	BNA-Water	Benzidine	94	ug/L	U	94	380
4/7/2003 13:00	D-013	BNA-Water	Benzo(a)anthracene	0.94	ug/L	U	0.94	3.8
4/7/2003 13:00	D-013	BNA-Water	Benzo(a)pyrene	0.94	ug/L	U	0.94	3.8
4/7/2003 13:00	D-013	BNA-Water	Benzo(b)fluoranthene	0.94	ug/L	U	0.94	3.8
4/7/2003 13:00	D-013	BNA-Water	Benzo(g,h,i)perylene	0.94	ug/L	U	0.94	3.8

Date Sampled	Field ID	Analysis Group	Component	Result	Units	Remark	MDL	PQL
4/7/2003 13:00	D-013	BNA-Water	Benzo(k)fluoranthene	0.94	ug/L	U	0.94	3.8
4/7/2003 13:00	D-013	BNA-Water	Benzyl alcohol	0.94	ug/L	U	0.94	3.8
4/7/2003 13:00	D-013	BNA-Water	Bis(2-chloroethoxy)methane	0.94	ug/L	U	0.94	3.8
4/7/2003 13:00	D-013	BNA-Water	Bis(2-chloroethyl)ether	0.94	ug/L	U	0.94	3.8
4/7/2003 13:00	D-013	BNA-Water	Bis(2-chloroisopropyl)ether	2.8	ug/L	U	2.8	11
4/7/2003 13:00	D-013	BNA-Water	Bis(2-ethylhexyl)phthalate	14	ug/L	U	14	57
4/7/2003 13:00	D-013	BNA-Water	Butyl benzyl phthalate	4.7	ug/L	U	4.7	19
4/7/2003 13:00	D-013	BNA-Water	Chrysene	0.94	ug/L	U	0.94	3.8
4/7/2003 13:00	D-013	BNA-Water	Di-n-butyl phthalate	4.7	ug/L	U	4.7	19
4/7/2003 13:00	D-013	BNA-Water	Di-n-octyl phthalate	0.94	ug/L	U	0.94	3.8
4/7/2003 13:00	D-013	BNA-Water	Dibenzo(a,h)anthracene	0.94	ug/L	U	0.94	3.8
4/7/2003 13:00	D-013	BNA-Water	Dibenzofuran	0.94	ug/L	U	0.94	3.8
4/7/2003 13:00	D-013	BNA-Water	Dieldrin	1.4	ug/L	U	1.4	5.7
4/7/2003 13:00	D-013	BNA-Water	Diethyl phthalate	0.94	ug/L	U	0.94	3.8
4/7/2003 13:00	D-013	BNA-Water	Dimethyl phthalate	47	ug/L	U	47	190
4/7/2003 13:00	D-013	BNA-Water	Dimethylaminoazobenzene	0.94	ug/L	U	0.94	3.8
4/7/2003 13:00	D-013	BNA-Water	Dinoseb	3.8	ug/L	U	3.8	15
4/7/2003 13:00	D-013	BNA-Water	Diphenylamine	2.8	ug/L	U	2.8	11
4/7/2003 13:00	D-013	BNA-Water	Endosulfan I	3.8	ug/L	U	3.8	15
4/7/2003 13:00	D-013	BNA-Water	Endosulfan II	3.8	ug/L	U	3.8	15
4/7/2003 13:00	D-013	BNA-Water	Endosulfan sulfate	1.4	ug/L	U	1.4	5.7
4/7/2003 13:00	D-013	BNA-Water	Endrin	1.4	ug/L	U	1.4	5.7
4/7/2003 13:00	D-013	BNA-Water	Endrin aldehyde	3.8	ug/L	U	3.8	15
4/7/2003 13:00	D-013	BNA-Water	Ethyl methanesulfonate	0.94	ug/L	U	0.94	3.8
4/7/2003 13:00	D-013	BNA-Water	Fluoranthene	0.94	ug/L	U	0.94	3.8
4/7/2003 13:00	D-013	BNA-Water	Fluorene	0.94	ug/L	U	0.94	3.8
4/7/2003 13:00	D-013	BNA-Water	Heptachlor	1.4	ug/L	U	1.4	5.7
4/7/2003 13:00	D-013	BNA-Water	Heptachlor epoxide	1.4	ug/L	U	1.4	5.7
4/7/2003 13:00	D-013	BNA-Water	Hexachlorobenzene	0.94	ug/L	U	0.94	3.8
4/7/2003 13:00	D-013	BNA-Water	Hexachlorobutadiene	2.8	ug/L	U	2.8	11
4/7/2003 13:00	D-013	BNA-Water	Hexachlorocyclopentadiene	2.8	ug/L	UJ	2.8	11
4/7/2003 13:00	D-013	BNA-Water	Hexachloroethane	2.8	ug/L	U	2.8	11
4/7/2003 13:00	D-013	BNA-Water	Hexachloropropene	1.9	ug/L	U	1.9	7.5
4/7/2003 13:00	D-013	BNA-Water	Indeno(1,2,3-cd)pyrene	0.94	ug/L	U	0.94	3.8
4/7/2003 13:00	D-013	BNA-Water	Isophorone	0.94	ug/L	UJ	0.94	3.8
4/7/2003 13:00	D-013	BNA-Water	Isosafrole	0.94	ug/L	U	0.94	3.8
4/7/2003 13:00	D-013	BNA-Water	Methapyrilene	3.8	ug/L	U	3.8	15
4/7/2003 13:00	D-013	BNA-Water	Methyl methanesulfonate	0.94	ug/L	UJ	0.94	3.8
4/7/2003 13:00	D-013	BNA-Water	N-Nitrosodi-n-butylamine	0.94	ug/L	U	0.94	3.8
4/7/2003 13:00	D-013	BNA-Water	N-Nitrosodi-n-propylamine	1.9	ug/L	U	1.9	7.5
4/7/2003 13:00	D-013	BNA-Water	N-Nitrosodiethylamine	0.94	ug/L	U	0.94	3.8
4/7/2003 13:00	D-013	BNA-Water	N-Nitrosodimethylamine	1.9	ug/L	U	1.9	7.5
4/7/2003 13:00	D-013	BNA-Water	N-Nitrosodiphenylamine	2.8	ug/L	U	2.8	11
4/7/2003 13:00	D-013	BNA-Water	N-Nitrosomethylethylamine	1.9	ug/L	U	1.9	7.5
4/7/2003 13:00	D-013	BNA-Water	N-Nitrosomorpholine	0.94	ug/L	U	0.94	3.8
4/7/2003 13:00	D-013	BNA-Water	N-Nitrosopiperidine	0.94	ug/L	U	0.94	3.8
4/7/2003 13:00	D-013	BNA-Water	N-Nitrosopyrrolidine	1.9	ug/L	U	1.9	7.5
4/7/2003 13:00	D-013	BNA-Water	Naphthalene	0.94	ug/L	U	0.94	3.8
4/7/2003 13:00	D-013	BNA-Water	Nitrobenzene	1.9	ug/L	U	1.9	7.5
4/7/2003 13:00	D-013	BNA-Water	Nitroquinoline-1-oxide	19	ug/L	U	19	75
4/7/2003 13:00	D-013	BNA-Water	Pentachlorobenzene	0.94	ug/L	U	0.94	3.8
4/7/2003 13:00	D-013	BNA-Water	Pentachloroethane	47	ug/L	U	47	190
4/7/2003 13:00	D-013	BNA-Water	Pentachloronitrobenzene	0.94	ug/L	U	0.94	3.8
4/7/2003 13:00	D-013	BNA-Water	Pentachlorophenol	2.8	ug/L	U	2.8	11
4/7/2003 13:00	D-013	BNA-Water	Phenacetin	3.8	ug/L	U	3.8	11
4/7/2003 13:00	D-013	BNA-Water	Phenanthrene	0.94	ug/L	U	0.94	3.8
4/7/2003 13:00	D-013	BNA-Water	Phenol	0.94	ug/L	U	0.94	3.8
4/7/2003 13:00	D-013	BNA-Water	Pyrene	0.94	ug/L	U	0.94	3.8
4/7/2003 13:00	D-013	BNA-Water	Pyridine	3.8	ug/L	U	3.8	15
4/7/2003 13:00	D-013	BNA-Water	Safrole	0.94	ug/L	U	0.94	3.8

Date Sampled	Field ID	Analysis Group	Component	Result	Units	Remark	MDL	PQL
4/7/2003 13:00	D-013	BNA-Water	alpha-BHC	1.4	ug/L	U	1.4	5.7
4/7/2003 13:00	D-013	BNA-Water	beta-BHC	1.4	ug/L	U	1.4	5.7
4/7/2003 13:00	D-013	BNA-Water	delta-BHC	1.4	ug/L	U	1.4	5.7
4/7/2003 13:00	D-013	BNA-Water	gamma-BHC	1.4	ug/L	U	1.4	5.7
4/7/2003 13:00	D-013	BNA-Water	m,p-Cresols	1.9	ug/L	U	1.9	7.5
4/7/2003 13:00	D-013	BNA-Water	o-Cresol	1.9	ug/L	U	1.9	7.5
4/7/2003 13:00	D-013	BNA-Water	o-Toluidine	0.94	ug/L	U	0.94	3.8
4/7/2003 13:00	D-013	GC-Water	Alachlor	0.56	ug/L	U	0.56	2.24
4/7/2003 13:00	D-013	GC-Water	Ametryn	0.047	ug/L	U	0.047	0.188
4/7/2003 13:00	D-013	GC-Water	Atrazine	0.047	ug/L	U	0.047	0.188
4/7/2003 13:00	D-013	GC-Water	Azinphos Methyl	0.047	ug/L	U	0.047	0.188
4/7/2003 13:00	D-013	GC-Water	Bromacil	0.19	ug/L	U	0.19	0.76
4/7/2003 13:00	D-013	GC-Water	Butylate	0.19	ug/L	U	0.19	0.76
4/7/2003 13:00	D-013	GC-Water	Chlorpyrifos Ethyl	0.047	ug/L	U	0.047	0.188
4/7/2003 13:00	D-013	GC-Water	Chlorpyrifos Methyl	0.093	ug/L	U	0.093	0.372
4/7/2003 13:00	D-013	GC-Water	Diazinon	0.047	ug/L	U	0.047	0.188
4/7/2003 13:00	D-013	GC-Water	Ethion	0.047	ug/L	U	0.047	0.188
4/7/2003 13:00	D-013	GC-Water	Ethoprop	0.093	ug/L	U	0.093	0.372
4/7/2003 13:00	D-013	GC-Water	Fenamiphos	0.19	ug/L	U	0.19	0.76
4/7/2003 13:00	D-013	GC-Water	Fonofos	0.093	ug/L	U	0.093	0.372
4/7/2003 13:00	D-013	GC-Water	Hexazinone	0.093	ug/L	U	0.093	0.372
4/7/2003 13:00	D-013	GC-Water	Malathion	0.14	ug/L	U	0.14	0.56
4/7/2003 13:00	D-013	GC-Water	Metalaxyl	0.23	ug/L	U	0.23	0.92
4/7/2003 13:00	D-013	GC-Water	Metolachlor	0.47	ug/L	U	0.47	1.88
4/7/2003 13:00	D-013	GC-Water	Metribuzin	0.093	ug/L	U	0.093	0.372
4/7/2003 13:00	D-013	GC-Water	Mevinphos	0.19	ug/L	U	0.19	0.76
4/7/2003 13:00	D-013	GC-Water	Naled	0.75	ug/L	U	0.75	3
4/7/2003 13:00	D-013	GC-Water	Norflurazon	0.093	ug/L	U	0.093	0.372
4/7/2003 13:00	D-013	GC-Water	Parathion Ethyl	0.14	ug/L	U	0.14	0.56
4/7/2003 13:00	D-013	GC-Water	Parathion Methyl	0.093	ug/L	U	0.093	0.372
4/7/2003 13:00	D-013	GC-Water	Phorate	0.047	ug/L	U	0.047	0.188
4/7/2003 13:00	D-013	GC-Water	Prometryn	0.14	ug/L	U	0.14	0.56
4/7/2003 13:00	D-013	GC-Water	Simazine	0.047	ug/L	U	0.047	0.188
4/7/2003 13:00	D-013	Metals-Water	Aluminum	82	ug/L		10	40
4/7/2003 13:00	D-013	Metals-Water	Arsenic	5	ug/L	U	5	20
4/7/2003 13:00	D-013	Metals-Water	Cadmium	0.12	ug/L	U	0.12	0.5
4/7/2003 13:00	D-013	Metals-Water	Calcium	298	mg/L		0.5	2
4/7/2003 13:00	D-013	Metals-Water	Chromium	18	ug/L	U	2	8
4/7/2003 13:00	D-013	Metals-Water	Copper	0.8	ug/L	U	0.1	0.4
4/7/2003 13:00	D-013	Metals-Water	Iron	129	ug/L	I	15	60
4/7/2003 13:00	D-013	Metals-Water	Lead	1.6	ug/L	U	0.5	2
4/7/2003 13:00	D-013	Metals-Water	Magnesium	862	mg/L		0.2	0.8
4/7/2003 13:00	D-013	Metals-Water	Nickel	14	ug/L	U	2.5	10
4/7/2003 13:00	D-013	Metals-Water	Selenium	34	ug/L	U	8	32
4/7/2003 13:00	D-013	Metals-Water	Silver	0.1	ug/L	U	0.1	0.4
4/7/2003 13:00	D-013	Metals-Water	Zinc	4	ug/L	U	4	16
4/7/2003 13:00	D-013	Nutrients-Liquid	Ammonia-N	0.041	mg N/L		0.01	0.02
4/7/2003 13:00	D-013	Nutrients-Liquid	NO2NO3-N	0.014	mg N/L		0.004	0.01
4/7/2003 13:00	D-013	Nutrients-Liquid	N_KJEL_TOT	0.59	mg N/L	A	0.06	0.2
4/7/2003 13:00	D-013	Nutrients-Liquid	O-Phosphate-P	0.009	mg P/L	I	0.004	0.01
4/7/2003 13:00	D-013	Nutrients-Liquid	Total-P	0.053	mg P/L	A	0.025	0.04
4/7/2003 13:30	Field Blank	BNA-Water	1,2,4,5-Tetrachlorobenzene	0.98	ug/L	U	0.98	3.9
4/7/2003 13:30	Field Blank	BNA-Water	1,2,4-Trichlorobenzene	0.98	ug/L	U	0.98	3.9
4/7/2003 13:30	Field Blank	BNA-Water	1,2-Dichlorobenzene	0.98	ug/L	U	0.98	3.9
4/7/2003 13:30	Field Blank	BNA-Water	1,3,5-Trinitrobenzene	3.9	ug/L	U	3.9	16
4/7/2003 13:30	Field Blank	BNA-Water	1,3-Dichlorobenzene	0.98	ug/L	U	0.98	3.9
4/7/2003 13:30	Field Blank	BNA-Water	1,3-Dinitrobenzene	2	ug/L	U	2	7.8
4/7/2003 13:30	Field Blank	BNA-Water	1,4-Dichlorobenzene	0.98	ug/L	U	0.98	3.9
4/7/2003 13:30	Field Blank	BNA-Water	1,4-Naphthoquinone	20	ug/L	UJ	20	78
4/7/2003 13:30	Field Blank	BNA-Water	1-Naphthylamine	9.8	ug/L	UJ	9.8	39

Date Sampled	Field ID	Analysis Group	Component	Result	Units	Remark	MDL	PQL
4/7/2003 13:30	Field Blank	BNA-Water	2,3,4,6-Tetrachlorophenol	2	ug/L	U	2	7.8
4/7/2003 13:30	Field Blank	BNA-Water	2,4,5-Trichlorophenol	0.98	ug/L	U	0.98	3.9
4/7/2003 13:30	Field Blank	BNA-Water	2,4,6-Trichlorophenol	0.98	ug/L	U	0.98	3.9
4/7/2003 13:30	Field Blank	BNA-Water	2,4-Dichlorophenol	0.98	ug/L	U	0.98	3.9
4/7/2003 13:30	Field Blank	BNA-Water	2,4-Dimethylphenol	49	ug/L	U	49	200
4/7/2003 13:30	Field Blank	BNA-Water	2,4-Dinitrophenol	15	ug/L	U	15	59
4/7/2003 13:30	Field Blank	BNA-Water	2,4-Dinitrotoluene	0.98	ug/L	U	0.98	3.9
4/7/2003 13:30	Field Blank	BNA-Water	2,6-Dichlorophenol	0.98	ug/L	U	0.98	3.9
4/7/2003 13:30	Field Blank	BNA-Water	2,6-Dinitrotoluene	0.98	ug/L	U	0.98	3.9
4/7/2003 13:30	Field Blank	BNA-Water	2-Acetylaminofluorene	0.98	ug/L	U	0.98	3.9
4/7/2003 13:30	Field Blank	BNA-Water	2-Chloronaphthalene	0.98	ug/L	U	0.98	3.9
4/7/2003 13:30	Field Blank	BNA-Water	2-Chlorophenol	0.98	ug/L	U	0.98	3.9
4/7/2003 13:30	Field Blank	BNA-Water	2-Methyl-4,6-dinitrophenol	2.9	ug/L	U	2.9	12
4/7/2003 13:30	Field Blank	BNA-Water	2-Methylnaphthalene	0.98	ug/L	U	0.98	3.9
4/7/2003 13:30	Field Blank	BNA-Water	2-Naphthylamine	9.8	ug/L	U	9.8	39
4/7/2003 13:30	Field Blank	BNA-Water	2-Nitroaniline	0.98	ug/L	U	0.98	3.9
4/7/2003 13:30	Field Blank	BNA-Water	2-Nitrophenol	0.98	ug/L	U	0.98	3.9
4/7/2003 13:30	Field Blank	BNA-Water	2-Picoline	0.98	ug/L	U	0.98	3.9
4/7/2003 13:30	Field Blank	BNA-Water	3,3'-Dichlorobenzidine	39	ug/L	U	39	160
4/7/2003 13:30	Field Blank	BNA-Water	3,3'-Dimethylbenzidine	20	ug/L	UJ	20	78
4/7/2003 13:30	Field Blank	BNA-Water	3-Methylcholanthrene	0.98	ug/L	U	0.98	3.9
4/7/2003 13:30	Field Blank	BNA-Water	3-Nitroaniline	0.98	ug/L	U	0.98	3.9
4/7/2003 13:30	Field Blank	BNA-Water	4,4'-DDD	1.5	ug/L	U	1.5	5.9
4/7/2003 13:30	Field Blank	BNA-Water	4,4'-DDE	1.5	ug/L	U	1.5	5.9
4/7/2003 13:30	Field Blank	BNA-Water	4,4'-DDT	1.5	ug/L	U	1.5	5.9
4/7/2003 13:30	Field Blank	BNA-Water	4-Aminobiphenyl	3.9	ug/L	U	3.9	16
4/7/2003 13:30	Field Blank	BNA-Water	4-Bromophenyl phenyl ether	0.98	ug/L	U	0.98	3.9
4/7/2003 13:30	Field Blank	BNA-Water	4-Chloro-3-methylphenol	0.98	ug/L	U	0.98	3.9
4/7/2003 13:30	Field Blank	BNA-Water	4-Chloroaniline	0.98	ug/L	U	0.98	3.9
4/7/2003 13:30	Field Blank	BNA-Water	4-Chlorophenyl phenyl ether	2	ug/L	U	2	7.8
4/7/2003 13:30	Field Blank	BNA-Water	4-Nitroaniline	0.98	ug/L	U	0.98	3.9
4/7/2003 13:30	Field Blank	BNA-Water	4-Nitrophenol	15	ug/L	U	15	59
4/7/2003 13:30	Field Blank	BNA-Water	5-Nitro-o-toluidine	0.98	ug/L	U	0.98	3.9
4/7/2003 13:30	Field Blank	BNA-Water	7,12-Dimethylbenz(a)anthracene	0.98	ug/L	U	0.98	3.9
4/7/2003 13:30	Field Blank	BNA-Water	Acenaphthene	0.98	ug/L	U	0.98	3.9
4/7/2003 13:30	Field Blank	BNA-Water	Acenaphthylene	0.98	ug/L	U	0.98	3.9
4/7/2003 13:30	Field Blank	BNA-Water	Acetophenone	0.98	ug/L	U	0.98	3.9
4/7/2003 13:30	Field Blank	BNA-Water	Aldrin	1.5	ug/L	U	1.5	5.9
4/7/2003 13:30	Field Blank	BNA-Water	Aniline	0.98	ug/L	U	0.98	3.9
4/7/2003 13:30	Field Blank	BNA-Water	Anthracene	0.98	ug/L	U	0.98	3.9
4/7/2003 13:30	Field Blank	BNA-Water	Azobenzene/1,2-Diphenylhydrazine	0.98	ug/L	U	0.98	3.9
4/7/2003 13:30	Field Blank	BNA-Water	Benzidine	98	ug/L	U	98	390
4/7/2003 13:30	Field Blank	BNA-Water	Benzo(a)anthracene	0.98	ug/L	U	0.98	3.9
4/7/2003 13:30	Field Blank	BNA-Water	Benzo(a)pyrene	0.98	ug/L	U	0.98	3.9
4/7/2003 13:30	Field Blank	BNA-Water	Benzo(b)fluoranthene	0.98	ug/L	U	0.98	3.9
4/7/2003 13:30	Field Blank	BNA-Water	Benzo(g,h,i)perylene	0.98	ug/L	U	0.98	3.9
4/7/2003 13:30	Field Blank	BNA-Water	Benzo(k)fluoranthene	0.98	ug/L	U	0.98	3.9
4/7/2003 13:30	Field Blank	BNA-Water	Benzyl alcohol	0.98	ug/L	U	0.98	3.9
4/7/2003 13:30	Field Blank	BNA-Water	Bis(2-chloroethoxy)methane	0.98	ug/L	U	0.98	3.9
4/7/2003 13:30	Field Blank	BNA-Water	Bis(2-chloroethyl)ether	0.98	ug/L	U	0.98	3.9
4/7/2003 13:30	Field Blank	BNA-Water	Bis(2-chloroisopropyl)ether	2.9	ug/L	U	2.9	12
4/7/2003 13:30	Field Blank	BNA-Water	Bis(2-ethylhexyl)phthalate	15	ug/L	U	15	59
4/7/2003 13:30	Field Blank	BNA-Water	Butyl benzyl phthalate	4.9	ug/L	U	4.9	20
4/7/2003 13:30	Field Blank	BNA-Water	Chrysene	0.98	ug/L	U	0.98	3.9
4/7/2003 13:30	Field Blank	BNA-Water	Di-n-butyl phthalate	4.9	ug/L	U	4.9	20
4/7/2003 13:30	Field Blank	BNA-Water	Di-n-octyl phthalate	0.98	ug/L	U	0.98	3.9
4/7/2003 13:30	Field Blank	BNA-Water	Dibenzo(a,h)anthracene	0.98	ug/L	U	0.98	3.9
4/7/2003 13:30	Field Blank	BNA-Water	Dibenzofuran	0.98	ug/L	U	0.98	3.9
4/7/2003 13:30	Field Blank	BNA-Water	Dieldrin	1.5	ug/L	U	1.5	5.9
4/7/2003 13:30	Field Blank	BNA-Water	Diethyl phthalate	0.98	ug/L	U	0.98	3.9

Date Sampled	Field ID	Analysis Group	Component	Result	Units	Remark	MDL	PQL
4/7/2003 13:30	Field Blank	BNA-Water	Dimethyl phthalate	49	ug/L	U	49	200
4/7/2003 13:30	Field Blank	BNA-Water	Dimethylaminoazobenzene	0.98	ug/L	U	0.98	3.9
4/7/2003 13:30	Field Blank	BNA-Water	Dinoseb	3.9	ug/L	U	3.9	16
4/7/2003 13:30	Field Blank	BNA-Water	Diphenylamine	2.9	ug/L	U	2.9	12
4/7/2003 13:30	Field Blank	BNA-Water	Endosulfan I	3.9	ug/L	U	3.9	16
4/7/2003 13:30	Field Blank	BNA-Water	Endosulfan II	3.9	ug/L	U	3.9	16
4/7/2003 13:30	Field Blank	BNA-Water	Endosulfan sulfate	1.5	ug/L	U	1.5	5.9
4/7/2003 13:30	Field Blank	BNA-Water	Endrin	1.5	ug/L	U	1.5	5.9
4/7/2003 13:30	Field Blank	BNA-Water	Endrin aldehyde	3.9	ug/L	U	3.9	16
4/7/2003 13:30	Field Blank	BNA-Water	Ethyl methanesulfonate	0.98	ug/L	U	0.98	3.9
4/7/2003 13:30	Field Blank	BNA-Water	Fluoranthene	0.98	ug/L	U	0.98	3.9
4/7/2003 13:30	Field Blank	BNA-Water	Fluorene	0.98	ug/L	U	0.98	3.9
4/7/2003 13:30	Field Blank	BNA-Water	Heptachlor	1.5	ug/L	U	1.5	5.9
4/7/2003 13:30	Field Blank	BNA-Water	Heptachlor epoxide	1.5	ug/L	U	1.5	5.9
4/7/2003 13:30	Field Blank	BNA-Water	Hexachlorobenzene	0.98	ug/L	U	0.98	3.9
4/7/2003 13:30	Field Blank	BNA-Water	Hexachlorobutadiene	2.9	ug/L	U	2.9	12
4/7/2003 13:30	Field Blank	BNA-Water	Hexachlorocyclopentadiene	2.9	ug/L	UJ	2.9	12
4/7/2003 13:30	Field Blank	BNA-Water	Hexachloroethane	2.9	ug/L	U	2.9	12
4/7/2003 13:30	Field Blank	BNA-Water	Hexachloropropene	2	ug/L	U	2	7.8
4/7/2003 13:30	Field Blank	BNA-Water	Indeno(1,2,3-cd)pyrene	0.98	ug/L	U	0.98	3.9
4/7/2003 13:30	Field Blank	BNA-Water	Isophorone	0.98	ug/L	UJ	0.98	3.9
4/7/2003 13:30	Field Blank	BNA-Water	Isosafrole	0.98	ug/L	U	0.98	3.9
4/7/2003 13:30	Field Blank	BNA-Water	Methapyrilene	3.9	ug/L	U	3.9	16
4/7/2003 13:30	Field Blank	BNA-Water	Methyl methanesulfonate	0.98	ug/L	UJ	0.98	3.9
4/7/2003 13:30	Field Blank	BNA-Water	N-Nitrosodi-n-butylamine	0.98	ug/L	U	0.98	3.9
4/7/2003 13:30	Field Blank	BNA-Water	N-Nitrosodi-n-propylamine	2	ug/L	U	2	7.8
4/7/2003 13:30	Field Blank	BNA-Water	N-Nitrosodiethylamine	0.98	ug/L	U	0.98	3.9
4/7/2003 13:30	Field Blank	BNA-Water	N-Nitrosodimethylamine	2	ug/L	U	2	7.8
4/7/2003 13:30	Field Blank	BNA-Water	N-Nitrosodiphenylamine	2.9	ug/L	U	2.9	12
4/7/2003 13:30	Field Blank	BNA-Water	N-Nitrosomethylethylamine	2	ug/L	U	2	7.8
4/7/2003 13:30	Field Blank	BNA-Water	N-Nitrosomorpholine	0.98	ug/L	U	0.98	3.9
4/7/2003 13:30	Field Blank	BNA-Water	N-Nitrosopiperidine	0.98	ug/L	U	0.98	3.9
4/7/2003 13:30	Field Blank	BNA-Water	N-Nitrosopyrrolidine	2	ug/L	U	2	7.8
4/7/2003 13:30	Field Blank	BNA-Water	Naphthalene	0.98	ug/L	U	0.98	3.9
4/7/2003 13:30	Field Blank	BNA-Water	Nitrobenzene	2	ug/L	U	2	7.8
4/7/2003 13:30	Field Blank	BNA-Water	Nitroquinoline-1-oxide	20	ug/L	U	20	78
4/7/2003 13:30	Field Blank	BNA-Water	Pentachlorobenzene	0.98	ug/L	U	0.98	3.9
4/7/2003 13:30	Field Blank	BNA-Water	Pentachloroethane	49	ug/L	U	49	200
4/7/2003 13:30	Field Blank	BNA-Water	Pentachloronitrobenzene	0.98	ug/L	U	0.98	3.9
4/7/2003 13:30	Field Blank	BNA-Water	Pentachlorophenol	2.9	ug/L	U	2.9	12
4/7/2003 13:30	Field Blank	BNA-Water	Phenacetin	3.9	ug/L	U	3.9	12
4/7/2003 13:30	Field Blank	BNA-Water	Phenanthrene	0.98	ug/L	U	0.98	3.9
4/7/2003 13:30	Field Blank	BNA-Water	Phenol	0.98	ug/L	U	0.98	3.9
4/7/2003 13:30	Field Blank	BNA-Water	Pyrene	0.98	ug/L	U	0.98	3.9
4/7/2003 13:30	Field Blank	BNA-Water	Pyridine	3.9	ug/L	U	3.9	16
4/7/2003 13:30	Field Blank	BNA-Water	Safrole	0.98	ug/L	U	0.98	3.9
4/7/2003 13:30	Field Blank	BNA-Water	alpha-BHC	1.5	ug/L	U	1.5	5.9
4/7/2003 13:30	Field Blank	BNA-Water	beta-BHC	1.5	ug/L	U	1.5	5.9
4/7/2003 13:30	Field Blank	BNA-Water	delta-BHC	1.5	ug/L	U	1.5	5.9
4/7/2003 13:30	Field Blank	BNA-Water	gamma-BHC	1.5	ug/L	U	1.5	5.9
4/7/2003 13:30	Field Blank	BNA-Water	m,p-Cresols	2	ug/L	U	2	7.8
4/7/2003 13:30	Field Blank	BNA-Water	o-Cresol	2	ug/L	U	2	7.8
4/7/2003 13:30	Field Blank	BNA-Water	o-Toluidine	0.98	ug/L	U	0.98	3.9
4/7/2003 13:30	Field Blank	GC-Water	Alachlor	0.59	ug/L	U	0.59	2.36
4/7/2003 13:30	Field Blank	GC-Water	Ametryn	0.049	ug/L	U	0.049	0.196
4/7/2003 13:30	Field Blank	GC-Water	Atrazine	0.049	ug/L	U	0.049	0.196
4/7/2003 13:30	Field Blank	GC-Water	Azinphos Methyl	0.049	ug/L	U	0.049	0.196
4/7/2003 13:30	Field Blank	GC-Water	Bromacil	0.2	ug/L	U	0.2	0.8
4/7/2003 13:30	Field Blank	GC-Water	Butylate	0.2	ug/L	U	0.2	0.8
4/7/2003 13:30	Field Blank	GC-Water	Chlorpyrifos Ethyl	0.049	ug/L	U	0.049	0.196

Date Sampled	Field ID	Analysis Group	Component	Result	Units	Remark	MDL	PQL
4/7/2003 13:30	Field Blank	GC-Water	Chlorpyrifos Methyl	0.098	ug/L	U	0.098	0.392
4/7/2003 13:30	Field Blank	GC-Water	Diazinon	0.049	ug/L	U	0.049	0.196
4/7/2003 13:30	Field Blank	GC-Water	Ethion	0.049	ug/L	U	0.049	0.196
4/7/2003 13:30	Field Blank	GC-Water	Ethoprop	0.098	ug/L	U	0.098	0.392
4/7/2003 13:30	Field Blank	GC-Water	Fenamiphos	0.2	ug/L	U	0.2	0.8
4/7/2003 13:30	Field Blank	GC-Water	Fonofos	0.098	ug/L	U	0.098	0.392
4/7/2003 13:30	Field Blank	GC-Water	Hexazinone	0.098	ug/L	U	0.098	0.392
4/7/2003 13:30	Field Blank	GC-Water	Malathion	0.15	ug/L	U	0.15	0.6
4/7/2003 13:30	Field Blank	GC-Water	Metalaxyl	0.24	ug/L	U	0.24	0.96
4/7/2003 13:30	Field Blank	GC-Water	Metolachlor	0.49	ug/L	U	0.49	1.96
4/7/2003 13:30	Field Blank	GC-Water	Metribuzin	0.098	ug/L	U	0.098	0.392
4/7/2003 13:30	Field Blank	GC-Water	Mevinphos	0.2	ug/L	U	0.2	0.8
4/7/2003 13:30	Field Blank	GC-Water	Naled	0.78	ug/L	U	0.78	3.12
4/7/2003 13:30	Field Blank	GC-Water	Norflurazon	0.098	ug/L	U	0.098	0.392
4/7/2003 13:30	Field Blank	GC-Water	Parathion Ethyl	0.15	ug/L	U	0.15	0.6
4/7/2003 13:30	Field Blank	GC-Water	Parathion Methyl	0.098	ug/L	U	0.098	0.392
4/7/2003 13:30	Field Blank	GC-Water	Phorate	0.049	ug/L	U	0.049	0.196
4/7/2003 13:30	Field Blank	GC-Water	Prometryn	0.15	ug/L	U	0.15	0.6
4/7/2003 13:30	Field Blank	GC-Water	Simazine	0.049	ug/L	U	0.049	0.196
4/7/2003 13:30	Field Blank	Metals-Water	Aluminum	10	ug/L	U	10	40
4/7/2003 13:30	Field Blank	Metals-Water	Arsenic	5	ug/L	U	5	20
4/7/2003 13:30	Field Blank	Metals-Water	Cadmium	0.025	ug/L	U	0.025	0.1
4/7/2003 13:30	Field Blank	Metals-Water	Calcium	0.05	mg/L	U	0.05	0.2
4/7/2003 13:30	Field Blank	Metals-Water	Chromium	2	ug/L	U	2	8
4/7/2003 13:30	Field Blank	Metals-Water	Copper	0.8	ug/L	U	0.8	3.2
4/7/2003 13:30	Field Blank	Metals-Water	Iron	15	ug/L	U	15	60
4/7/2003 13:30	Field Blank	Metals-Water	Lead	0.1	ug/L	U	0.1	0.4
4/7/2003 13:30	Field Blank	Metals-Water	Magnesium	0.02	mg/L	U	0.02	0.08
4/7/2003 13:30	Field Blank	Metals-Water	Nickel	2.5	ug/L	U	2.5	10
4/7/2003 13:30	Field Blank	Metals-Water	Selenium	1	ug/L	U	1	4
4/7/2003 13:30	Field Blank	Metals-Water	Silver	0.02	ug/L	U	0.02	0.08
4/7/2003 13:30	Field Blank	Metals-Water	Zinc	4	ug/L	U	4	16
4/7/2003 13:30	Field Blank	Nutrients-Liquid	Ammonia-N	0.034	mg N/L		0.01	0.02
4/7/2003 13:30	Field Blank	Nutrients-Liquid	NO2NO3-N	0.004	mg N/L	U	0.004	0.01
4/7/2003 13:30	Field Blank	Nutrients-Liquid	N_KJEL_TOT	0.06	mg N/L	U	0.06	0.2
4/7/2003 13:30	Field Blank	Nutrients-Liquid	O-Phosphate-P	0.004	mg P/L	U	0.004	0.01
4/7/2003 13:30	Field Blank	Nutrients-Liquid	Total-P	0.004	mg P/L	U	0.004	0.01

Table 6. Chemical results from analyses performed on the effluent from Outfall D013, Florida Power Crystal River Power Plant Outfall D-011, sampled on April 8, 2003.

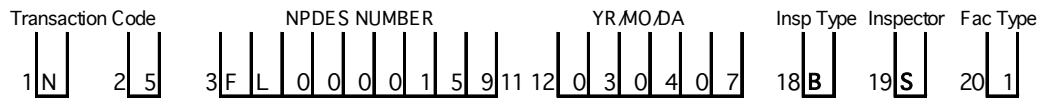
Date Sampled	Field ID	Analysis Group	Component	Result	Units	Remark	MDL	PQL
4/8/2003 14:00	D-011	Bio-AGP/LimNut	Algal Growth Potential	2.12	mg DryWt/L		0.1	0.3
4/8/2003 14:00	D-011	Bio-Chl-a	Chlorophyll-A, Monochromatic, Water	0.85	ug/L	U	0.85	2.6
4/8/2003 14:00	D-011	Bio-Chl-a	Phaeophytin-A, Monochromatic, Water	0.85	ug/L	U	0.85	2.6
4/8/2003 14:00	D-011	Bio-Toxicology	Bioassay-Acute-Screen-SW-Fish, LC50	100	LC50	L		
4/8/2003 14:00	D-011	Bio-Toxicology	Bioassay-Acute-Screen-SW-Mysid, LC50	100	LC50	L		
4/8/2003 14:00	D-011	BNA-Water	1,2,4,5-Tetrachlorobenzene	0.94	ug/L	U	0.94	3.8
4/8/2003 14:00	D-011	BNA-Water	1,2,4-Trichlorobenzene	0.94	ug/L	U	0.94	3.8
4/8/2003 14:00	D-011	BNA-Water	1,2-Dichlorobenzene	0.94	ug/L	U	0.94	3.8
4/8/2003 14:00	D-011	BNA-Water	1,3,5-Trinitrobenzene	3.8	ug/L	U	3.8	15
4/8/2003 14:00	D-011	BNA-Water	1,3-Dichlorobenzene	0.94	ug/L	U	0.94	3.8
4/8/2003 14:00	D-011	BNA-Water	1,3-Dinitrobenzene	1.9	ug/L	U	1.9	7.5
4/8/2003 14:00	D-011	BNA-Water	1,4-Dichlorobenzene	0.94	ug/L	U	0.94	3.8
4/8/2003 14:00	D-011	BNA-Water	1,4-Naphthoquinone	19	ug/L	UJ	19	75
4/8/2003 14:00	D-011	BNA-Water	1-Naphthylamine	9.4	ug/L	UJ	9.4	38
4/8/2003 14:00	D-011	BNA-Water	2,3,4,6-Tetrachlorophenol	1.9	ug/L	U	1.9	7.5
4/8/2003 14:00	D-011	BNA-Water	2,4,5-Trichlorophenol	0.94	ug/L	U	0.94	3.8
4/8/2003 14:00	D-011	BNA-Water	2,4,6-Trichlorophenol	0.94	ug/L	U	0.94	3.8
4/8/2003 14:00	D-011	BNA-Water	2,4-Dichlorophenol	0.94	ug/L	U	0.94	3.8
4/8/2003 14:00	D-011	BNA-Water	2,4-Dimethylphenol	47	ug/L	U	47	190
4/8/2003 14:00	D-011	BNA-Water	2,4-Dinitrophenol	14	ug/L	U	14	57
4/8/2003 14:00	D-011	BNA-Water	2,4-Dinitrotoluene	0.94	ug/L	U	0.94	3.8
4/8/2003 14:00	D-011	BNA-Water	2,6-Dichlorophenol	0.94	ug/L	U	0.94	3.8
4/8/2003 14:00	D-011	BNA-Water	2,6-Dinitrotoluene	0.94	ug/L	U	0.94	3.8
4/8/2003 14:00	D-011	BNA-Water	2-Acetylaminofluorene	0.94	ug/L	U	0.94	3.8
4/8/2003 14:00	D-011	BNA-Water	2-Chloronaphthalene	0.94	ug/L	U	0.94	3.8
4/8/2003 14:00	D-011	BNA-Water	2-Chlorophenol	0.94	ug/L	U	0.94	3.8
4/8/2003 14:00	D-011	BNA-Water	2-Methyl-4,6-dinitrophenol	2.8	ug/L	U	2.8	11
4/8/2003 14:00	D-011	BNA-Water	2-Methylnaphthalene	0.94	ug/L	U	0.94	3.8
4/8/2003 14:00	D-011	BNA-Water	2-Naphthylamine	9.4	ug/L	U	9.4	38
4/8/2003 14:00	D-011	BNA-Water	2-Nitroaniline	0.94	ug/L	U	0.94	3.8
4/8/2003 14:00	D-011	BNA-Water	2-Nitrophenol	0.94	ug/L	U	0.94	3.8
4/8/2003 14:00	D-011	BNA-Water	2-Picoline	0.94	ug/L	U	0.94	3.8
4/8/2003 14:00	D-011	BNA-Water	3,3'-Dichlorobenzidine	38	ug/L	U	38	150
4/8/2003 14:00	D-011	BNA-Water	3,3'-Dimethylbenzidine	19	ug/L	UJ	19	75
4/8/2003 14:00	D-011	BNA-Water	3-Methylcholanthrene	0.94	ug/L	U	0.94	3.8
4/8/2003 14:00	D-011	BNA-Water	3-Nitroaniline	0.94	ug/L	U	0.94	3.8
4/8/2003 14:00	D-011	BNA-Water	4,4'-DDD	1.4	ug/L	U	1.4	5.7
4/8/2003 14:00	D-011	BNA-Water	4,4'-DDE	1.4	ug/L	U	1.4	5.7
4/8/2003 14:00	D-011	BNA-Water	4,4'-DDT	1.4	ug/L	U	1.4	5.7
4/8/2003 14:00	D-011	BNA-Water	4-Aminobiphenyl	3.8	ug/L	U	3.8	15
4/8/2003 14:00	D-011	BNA-Water	4-Bromophenyl phenyl ether	0.94	ug/L	U	0.94	3.8
4/8/2003 14:00	D-011	BNA-Water	4-Chloro-3-methylphenol	0.94	ug/L	U	0.94	3.8
4/8/2003 14:00	D-011	BNA-Water	4-Chloroaniline	0.94	ug/L	U	0.94	3.8
4/8/2003 14:00	D-011	BNA-Water	4-Chlorophenyl phenyl ether	1.9	ug/L	U	1.9	7.5
4/8/2003 14:00	D-011	BNA-Water	4-Nitroaniline	0.94	ug/L	U	0.94	3.8
4/8/2003 14:00	D-011	BNA-Water	4-Nitrophenol	14	ug/L	U	14	57
4/8/2003 14:00	D-011	BNA-Water	5-Nitro-o-toluidine	0.94	ug/L	U	0.94	3.8
4/8/2003 14:00	D-011	BNA-Water	7,12-Dimethylbenz(a)anthracene	0.94	ug/L	U	0.94	3.8
4/8/2003 14:00	D-011	BNA-Water	Acenaphthene	0.94	ug/L	U	0.94	3.8
4/8/2003 14:00	D-011	BNA-Water	Acenaphthylene	0.94	ug/L	U	0.94	3.8
4/8/2003 14:00	D-011	BNA-Water	Acetophenone	0.94	ug/L	U	0.94	3.8
4/8/2003 14:00	D-011	BNA-Water	Aldrin	1.4	ug/L	U	1.4	5.7
4/8/2003 14:00	D-011	BNA-Water	Aniline	0.94	ug/L	U	0.94	3.8
4/8/2003 14:00	D-011	BNA-Water	Anthracene	0.94	ug/L	U	0.94	3.8
4/8/2003 14:00	D-011	BNA-Water	Azobenzene/1,2-Diphenylhydrazine	0.94	ug/L	U	0.94	3.8
4/8/2003 14:00	D-011	BNA-Water	Benzidine	94	ug/L	U	94	380
4/8/2003 14:00	D-011	BNA-Water	Benzo(a)anthracene	0.94	ug/L	U	0.94	3.8
4/8/2003 14:00	D-011	BNA-Water	Benzo(a)pyrene	0.94	ug/L	U	0.94	3.8
4/8/2003 14:00	D-011	BNA-Water	Benzo(b)fluoranthene	0.94	ug/L	U	0.94	3.8
4/8/2003 14:00	D-011	BNA-Water	Benzo(g,h,i)perylene	0.94	ug/L	U	0.94	3.8

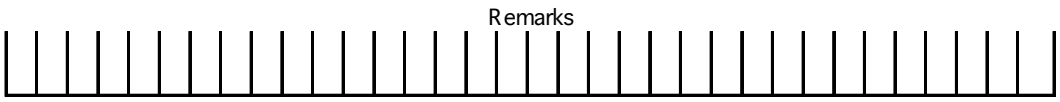
Date Sampled	Field ID	Analysis Group	Component	Result	Units	Remark	MDL	PQL
4/8/2003 14:00	D-011	BNA-Water	Benzo(k)fluoranthene	0.94	ug/L	U	0.94	3.8
4/8/2003 14:00	D-011	BNA-Water	Benzyl alcohol	0.94	ug/L	U	0.94	3.8
4/8/2003 14:00	D-011	BNA-Water	Bis(2-chloroethoxy)methane	0.94	ug/L	U	0.94	3.8
4/8/2003 14:00	D-011	BNA-Water	Bis(2-chloroethyl)ether	0.94	ug/L	U	0.94	3.8
4/8/2003 14:00	D-011	BNA-Water	Bis(2-chloroisopropyl)ether	2.8	ug/L	U	2.8	11
4/8/2003 14:00	D-011	BNA-Water	Bis(2-ethylhexyl)phthalate	14	ug/L	U	14	57
4/8/2003 14:00	D-011	BNA-Water	Butyl benzyl phthalate	4.7	ug/L	U	4.7	19
4/8/2003 14:00	D-011	BNA-Water	Chrysene	0.94	ug/L	U	0.94	3.8
4/8/2003 14:00	D-011	BNA-Water	Di-n-butyl phthalate	4.7	ug/L	U	4.7	19
4/8/2003 14:00	D-011	BNA-Water	Di-n-octyl phthalate	0.94	ug/L	U	0.94	3.8
4/8/2003 14:00	D-011	BNA-Water	Dibenzo(a,h)anthracene	0.94	ug/L	U	0.94	3.8
4/8/2003 14:00	D-011	BNA-Water	Dibenzofuran	0.94	ug/L	U	0.94	3.8
4/8/2003 14:00	D-011	BNA-Water	Dieldrin	1.4	ug/L	U	1.4	5.7
4/8/2003 14:00	D-011	BNA-Water	Diethyl phthalate	0.94	ug/L	U	0.94	3.8
4/8/2003 14:00	D-011	BNA-Water	Dimethyl phthalate	47	ug/L	U	47	190
4/8/2003 14:00	D-011	BNA-Water	Dimethylaminoazobenzene	0.94	ug/L	U	0.94	3.8
4/8/2003 14:00	D-011	BNA-Water	Dinoseb	3.8	ug/L	U	3.8	15
4/8/2003 14:00	D-011	BNA-Water	Diphenylamine	2.8	ug/L	U	2.8	11
4/8/2003 14:00	D-011	BNA-Water	Endosulfan I	3.8	ug/L	U	3.8	15
4/8/2003 14:00	D-011	BNA-Water	Endosulfan II	3.8	ug/L	U	3.8	15
4/8/2003 14:00	D-011	BNA-Water	Endosulfan sulfate	1.4	ug/L	U	1.4	5.7
4/8/2003 14:00	D-011	BNA-Water	Endrin	1.4	ug/L	U	1.4	5.7
4/8/2003 14:00	D-011	BNA-Water	Endrin aldehyde	3.8	ug/L	U	3.8	15
4/8/2003 14:00	D-011	BNA-Water	Ethyl methanesulfonate	0.94	ug/L	U	0.94	3.8
4/8/2003 14:00	D-011	BNA-Water	Fluoranthene	0.94	ug/L	U	0.94	3.8
4/8/2003 14:00	D-011	BNA-Water	Fluorene	0.94	ug/L	U	0.94	3.8
4/8/2003 14:00	D-011	BNA-Water	Heptachlor	1.4	ug/L	U	1.4	5.7
4/8/2003 14:00	D-011	BNA-Water	Heptachlor epoxide	1.4	ug/L	U	1.4	5.7
4/8/2003 14:00	D-011	BNA-Water	Hexachlorobenzene	0.94	ug/L	U	0.94	3.8
4/8/2003 14:00	D-011	BNA-Water	Hexachlorobutadiene	2.8	ug/L	U	2.8	11
4/8/2003 14:00	D-011	BNA-Water	Hexachlorocyclopentadiene	2.8	ug/L	UJ	2.8	11
4/8/2003 14:00	D-011	BNA-Water	Hexachloroethane	2.8	ug/L	U	2.8	11
4/8/2003 14:00	D-011	BNA-Water	Hexachloropropene	1.9	ug/L	U	1.9	7.5
4/8/2003 14:00	D-011	BNA-Water	Indeno(1,2,3-cd)pyrene	0.94	ug/L	U	0.94	3.8
4/8/2003 14:00	D-011	BNA-Water	Isophorone	0.94	ug/L	UJ	0.94	3.8
4/8/2003 14:00	D-011	BNA-Water	Isosafrole	0.94	ug/L	U	0.94	3.8
4/8/2003 14:00	D-011	BNA-Water	Methapyrilene	3.8	ug/L	U	3.8	15
4/8/2003 14:00	D-011	BNA-Water	Methyl methanesulfonate	0.94	ug/L	UJ	0.94	3.8
4/8/2003 14:00	D-011	BNA-Water	N-Nitrosodi-n-butylamine	0.94	ug/L	U	0.94	3.8
4/8/2003 14:00	D-011	BNA-Water	N-Nitrosodi-n-propylamine	1.9	ug/L	U	1.9	7.5
4/8/2003 14:00	D-011	BNA-Water	N-Nitrosodiethylamine	0.94	ug/L	U	0.94	3.8
4/8/2003 14:00	D-011	BNA-Water	N-Nitrosodimethylamine	1.9	ug/L	U	1.9	7.5
4/8/2003 14:00	D-011	BNA-Water	N-Nitrosodiphenylamine	2.8	ug/L	U	2.8	11
4/8/2003 14:00	D-011	BNA-Water	N-Nitrosomethylethylamine	1.9	ug/L	U	1.9	7.5
4/8/2003 14:00	D-011	BNA-Water	N-Nitrosomorpholine	0.94	ug/L	U	0.94	3.8
4/8/2003 14:00	D-011	BNA-Water	N-Nitrosopiperidine	0.94	ug/L	U	0.94	3.8
4/8/2003 14:00	D-011	BNA-Water	N-Nitrosopyrrolidine	1.9	ug/L	U	1.9	7.5
4/8/2003 14:00	D-011	BNA-Water	Naphthalene	0.94	ug/L	U	0.94	3.8
4/8/2003 14:00	D-011	BNA-Water	Nitrobenzene	1.9	ug/L	U	1.9	7.5
4/8/2003 14:00	D-011	BNA-Water	Nitroquinoline-1-oxide	19	ug/L	U	19	75
4/8/2003 14:00	D-011	BNA-Water	Pentachlorobenzene	0.94	ug/L	U	0.94	3.8
4/8/2003 14:00	D-011	BNA-Water	Pentachloroethane	47	ug/L	U	47	190
4/8/2003 14:00	D-011	BNA-Water	Pentachloronitrobenzene	0.94	ug/L	U	0.94	3.8
4/8/2003 14:00	D-011	BNA-Water	Pentachlorophenol	2.8	ug/L	U	2.8	11
4/8/2003 14:00	D-011	BNA-Water	Phenacetin	3.8	ug/L	U	3.8	11
4/8/2003 14:00	D-011	BNA-Water	Phenanthrene	0.94	ug/L	U	0.94	3.8
4/8/2003 14:00	D-011	BNA-Water	Phenol	0.94	ug/L	U	0.94	3.8
4/8/2003 14:00	D-011	BNA-Water	Pyrene	0.94	ug/L	U	0.94	3.8
4/8/2003 14:00	D-011	BNA-Water	Pyridine	3.8	ug/L	U	3.8	15
4/8/2003 14:00	D-011	BNA-Water	Safrole	0.94	ug/L	U	0.94	3.8

Date Sampled	Field ID	Analysis Group	Component	Result	Units	Remark	MDL	PQL
4/8/2003 14:00	D-011	BNA-Water	alpha-BHC	1.4	ug/L	U	1.4	5.7
4/8/2003 14:00	D-011	BNA-Water	beta-BHC	1.4	ug/L	U	1.4	5.7
4/8/2003 14:00	D-011	BNA-Water	delta-BHC	1.4	ug/L	U	1.4	5.7
4/8/2003 14:00	D-011	BNA-Water	gamma-BHC	1.4	ug/L	U	1.4	5.7
4/8/2003 14:00	D-011	BNA-Water	m,p-Cresols	1.9	ug/L	U	1.9	7.5
4/8/2003 14:00	D-011	BNA-Water	o-Cresol	1.9	ug/L	U	1.9	7.5
4/8/2003 14:00	D-011	BNA-Water	o-Toluidine	0.94	ug/L	U	0.94	3.8
4/8/2003 14:00	D-011	GC-Water	Alachlor	0.57	ug/L	U	0.57	2.28
4/8/2003 14:00	D-011	GC-Water	Ametryn	0.047	ug/L	U	0.047	0.188
4/8/2003 14:00	D-011	GC-Water	Atrazine	0.047	ug/L	U	0.047	0.188
4/8/2003 14:00	D-011	GC-Water	Azinphos Methyl	0.047	ug/L	U	0.047	0.188
4/8/2003 14:00	D-011	GC-Water	Bromacil	0.19	ug/L	U	0.19	0.76
4/8/2003 14:00	D-011	GC-Water	Butylate	0.19	ug/L	U	0.19	0.76
4/8/2003 14:00	D-011	GC-Water	Chlorpyrifos Ethyl	0.047	ug/L	U	0.047	0.188
4/8/2003 14:00	D-011	GC-Water	Chlorpyrifos Methyl	0.094	ug/L	U	0.094	0.376
4/8/2003 14:00	D-011	GC-Water	Diazinon	0.047	ug/L	U	0.047	0.188
4/8/2003 14:00	D-011	GC-Water	Ethion	0.047	ug/L	U	0.047	0.188
4/8/2003 14:00	D-011	GC-Water	Ethoprop	0.094	ug/L	U	0.094	0.376
4/8/2003 14:00	D-011	GC-Water	Fenamiphos	0.19	ug/L	U	0.19	0.76
4/8/2003 14:00	D-011	GC-Water	Fonofos	0.094	ug/L	U	0.094	0.376
4/8/2003 14:00	D-011	GC-Water	Hexazinone	0.094	ug/L	U	0.094	0.376
4/8/2003 14:00	D-011	GC-Water	Malathion	0.14	ug/L	U	0.14	0.56
4/8/2003 14:00	D-011	GC-Water	Metalaxyl	0.24	ug/L	U	0.24	0.96
4/8/2003 14:00	D-011	GC-Water	Metolachlor	0.47	ug/L	U	0.47	1.88
4/8/2003 14:00	D-011	GC-Water	Metribuzin	0.094	ug/L	U	0.094	0.376
4/8/2003 14:00	D-011	GC-Water	Mevinphos	0.19	ug/L	U	0.19	0.76
4/8/2003 14:00	D-011	GC-Water	Naled	0.75	ug/L	U	0.75	3
4/8/2003 14:00	D-011	GC-Water	Norflurazon	0.094	ug/L	U	0.094	0.376
4/8/2003 14:00	D-011	GC-Water	Parathion Ethyl	0.14	ug/L	U	0.14	0.56
4/8/2003 14:00	D-011	GC-Water	Parathion Methyl	0.094	ug/L	U	0.094	0.376
4/8/2003 14:00	D-011	GC-Water	Phorate	0.047	ug/L	U	0.047	0.188
4/8/2003 14:00	D-011	GC-Water	Prometryn	0.14	ug/L	U	0.14	0.56
4/8/2003 14:00	D-011	GC-Water	Simazine	0.047	ug/L	U	0.047	0.188
4/8/2003 14:00	D-011	Metals-Water	Aluminum	63	ug/L		10	40
4/8/2003 14:00	D-011	Metals-Water	Arsenic	5	ug/L	U	5	20
4/8/2003 14:00	D-011	Metals-Water	Cadmium	0.12	ug/L	U	0.12	0.5
4/8/2003 14:00	D-011	Metals-Water	Calcium	294	mg/L		0.5	2
4/8/2003 14:00	D-011	Metals-Water	Chromium	14	ug/L	U	2	8
4/8/2003 14:00	D-011	Metals-Water	Copper	1.6	ug/L		0.1	0.4
4/8/2003 14:00	D-011	Metals-Water	Iron	97	ug/L	I	15	60
4/8/2003 14:00	D-011	Metals-Water	Lead	0.5	ug/L	U	0.5	2
4/8/2003 14:00	D-011	Metals-Water	Magnesium	846	mg/L		0.2	0.8
4/8/2003 14:00	D-011	Metals-Water	Nickel	14	ug/L	U	2.5	10
4/8/2003 14:00	D-011	Metals-Water	Selenium	20	ug/L	U	8	32
4/8/2003 14:00	D-011	Metals-Water	Silver	0.1	ug/L	U	0.1	0.4
4/8/2003 14:00	D-011	Metals-Water	Zinc	4	ug/L	U	4	16
4/8/2003 14:00	D-011	Nutrients-Liquid	Ammonia-N	0.11	mg N/L		0.01	0.02
4/8/2003 14:00	D-011	Nutrients-Liquid	NO2NO3-N	0.017	mg N/L		0.004	0.01
4/8/2003 14:00	D-011	Nutrients-Liquid	N_KJEL_TOT	0.56	mg N/L	A	0.12	0.4
4/8/2003 14:00	D-011	Nutrients-Liquid	O-Phosphate-P	0.009	mg P/L	I	0.004	0.01
4/8/2003 14:00	D-011	Nutrients-Liquid	Total-P	0.046	mg P/L	A	0.02	0.04

The Bioassay of Florida Power Corporation Crystal River Power Plant effluent from Outfall D013 sampled on April 7, 2003, NPDES #FL0000159.

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

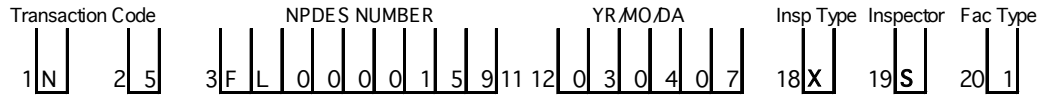


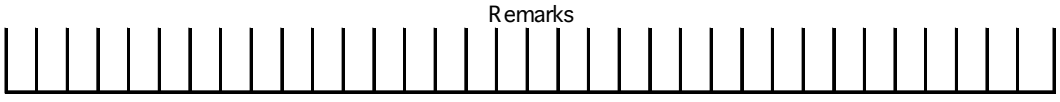


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The Priority Pollutants Analysis for Bioassay of Florida Power Corporation Crystal River Power Plant effluent from Outfall D013 sampled on April 7, 2003, NPDES #FL0000159.

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

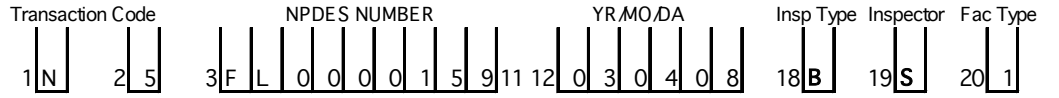


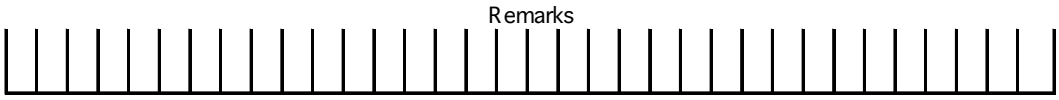


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The Bioassay of Florida Power Corporation Crystal River Power Plant effluent from Outfall D011 sampled on April 8, 2003, NPDES #FL0000159.

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





The Priority Pollutants Analysis for Bioassay of Florida Power Corporation Crystal River Power Plant effluent from Outfall D011 sampled on April 8, 2003, NPDES #FL0000159.

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

