

Bioassays of

Beverly Beach WWTF (Ocean City Utilities)

Flagler County

NPDES #FL0039756

Sampled July 7, 2003

February 2004

Biology Section
Bureau of Laboratories
Division of Resource Assessment and Management

Quality Manual No. 870346G
NELAC Certification No. E31780

Beverly Beach Wastewater Treatment Facility (Ocean City Utilities), 240 Starboard Drive, Highway A1A, Beverly Beach, Flagler County, Florida, NPDES #FL0039756 - Effluent samples were collected on July 7, 2003.

Introduction

This facility has a permitted capacity of 0.215 MGD annual average daily flow (AADF) and a current annual average flow of 0.036 MGD (September-November, 2002) 0.041 MGD (July 2003). The facility consists of three plants. Plant Number One having a 0.030 MGD (AADF) design capacity, and Plant Number Two, having a 0.035 MGD (AADF) design capacity, both utilize the extended-aeration activated-sludge treatment process, which includes influent screening, aeration, and secondary clarification. Plant Number Three is a 0.150 MGD (AADF) design capacity contact stabilization plant. The final treated effluent from all three plants is combined at Plant No. 2 then filtered, chlorinated, and dechlorinated, prior to discharge into the Class III marine waters of the Intracoastal Waterway, approximately one mile north of the intersection of SR100 and A1A. New chlorine and dechlorination units have been installed to ensure adequate disinfection and dechlorination levels are being attained prior to discharge to the Intracoastal Waterway. The Beverly Beach outfall line is approximately 15 feet in length, and discharges at a depth of approximately 2.5 feet.

The Wastewater Permit that was issued: June 11, 1996 and expired June 11, 2001 was followed by a Permit Renewal received in NED DEP offices on December 28, 2000, which was not within the 180 day submittal period for an Administrative Extension. A Denial was issued on October 31, 2001 for that permit application. Denial was petitioned, a Consent Order was entered into on March 25, 2002, a new permit renewal application was received on November 27, 2002 and a Denial was sent out September 5, 2003. Currently the facility is operating without a valid permit (facility information provided by Jessica Weatherby, FDEP, Jacksonville).

Methods

Samples were collected by Patrick O'Connor 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.

The bioassay sample was salinity adjusted to 20 ppt using 40 Fathoms® artificial sea salts at the request of the Northeast District.

Toxicity Test Results

Tests were performed on July 8 to 12, 2003.
Americamysis bahia 96-hr acute definitive - salinity adjusted effluent – LC_{50} = 70.71% - Toxic
Menidia beryllina 96-hr acute definitive - salinity adjusted effluent – Not Toxic

See Table 1 for bioassay bench sheets.

Algal Growth Potential

Based upon the effluent conductivity, the Algal Growth Potential (AGP) sample was set up as a freshwater sample. The effluent AGP was 4.58 mg dry wt/L of *Pseudokirchneriella subcapitata*, formerly known as *Selenastrum capricornutum*. Raschke and Shultz (1987) found that Algal Growth Potential (AGP) values above 5.0 mg dry weight/L represent a "problem" threshold for fresh receiving waters, implying nutrient enrichment. To determine the potential for nutrient enrichment in marine environments, the AGP test should have been performed with a salinity-adjusted sample and the saltwater alga, *Dunaliella tertiolecta.*

Chemistry Results

Effluent total residual chlorine was 0.09 mg/L in the field and was not detected in the bioassay sample in the laboratory. Total ammonia and unionized ammonia were detected in the bioassay sample at concentrations of 4.55 mg/L and 0.328 mg/L, respectively.

See Table 2 for chemicals detected in the analytical chemistry samples.

The concentration of copper (4.5 µg/L) in the sample submitted for chemical analysis exceeded the Class III marine water quality standard for copper (≤ 2.9 ug/L) (62-302.530(24) F.A.C.).

See Table 3 for a complete list of chemical analyses performed.

Conclusion

The effluent sample collected from this facility on July 7, 2003, did not show toxicity to the *M. beryllina* test organisms but did show toxicity to the *A. bahia* test organisms producing a 96-hour LC_{50} of 70.71% salinity-adjusted sample. The unionized ammonia concentration in the sample could be partially responsible for the observed toxicity, however *M. beryllina,* have shown to be more sensitive to ammonia toxicity than *A. bahia* (Miller et al., 1990). Unidentified constituents in the sample cannot be ruled out as contributing to the observed mortality.

Copper was detected at a concentration exceeding the Class III Marine Surface Water Quality Criterion, but was not high enough to cause the observed mysid mortality.

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.

Miller, D.C., S. Poucher, J.A. Cardin, and D. Hansen. 1990. The Acute and Chronic Toxicity of Ammonia to Marine Fish and Invertebrates. *Archives of Environmental Contamination and Toxicology* 19: 40-48

Table 1a. Data recorded during the 96-hour acute bioassays of a sample of effluent from the Beverly Beach Wastewater Treatment Plant (Ocean City Utilities), 240 Starboard Drive, Beverly Beach, Flagler County, Florida, NPDES# FL0039756, performed from 8 to 12 July 2003.

Facility:	**Beverly Beach WWTP**	**NPDES#:**	**FL0039756**	Facility Type:	**Wastewater Treatment**	**Analysts:**	Jacquelyn Brynda
Location:	240 Starboard Drive, Beverly Beach	Contact/District:	P. Oconner/Northeast				Joshua Ayres
County:	Flagler	Test type:	acute definitive renewal				James Daniels
Sample Collection Date:	7/7/2003 Time: 1248	# tests:	2	Receiving Water:	Intracoastal Waterway		Marshall Faircloth
Test Beginning Date:	7/8/2003 Time: 1600	Chlorination Type:			Class III Marine	Deirdre Thomas	Christa Pierini
Test Ending Date:	7/12/2003 Time: 1500	FDEP SOP#:	TA07_04		**Page 1 of 4**	**Reviewer:**	Rob Buda

Organism: ***Americamysis bahia*** Life stage: 3 days [A]Feeding: artemia
Chamber size: 1L Food Batch #: 01940425G

Concentrations	Sample/Diluent	SURVIVAL # Alive			pH (standard units)			Temperature °C[B]			Diss. Oxygen mg/L			Conductivity Uncorrected mmhos/cm	
	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	8.3	8.2	8.1	24.8	23.9	24.0	6.8	5.9	5.6	30.6	33.6
Control B	0/500	5	5	5	8.3	8.2	8.1	24.7	23.9	24.0	6.8	5.9	5.5	31.4	33.2
Control C	0/500	5	5	5	8.3	8.2	8.1	24.7	25.0	24.0	6.8	5.9	4.8	31.0	32.9
Control D	0/500	5	5	5	8.3	8.2	8.1	24.7	25.4	24.0	6.8	5.4	4.8	31.2	33.3
Salt Cont. A	0/500	5	5	5	8.2	8.2	8.2	25.1	24.5	23.9	6.7	5.3	5.1	31.5	33.7
Salt Cont. B	0/500	5	5	5	8.2	8.2	8.2	25.1	24.7	23.4	6.7	5.2	5.2	31.6	33.4
Salt Cont. C	0/500	5	5	5	8.2	8.2	8.2	25.1	24.7	23.3	6.9	5.2	4.9	31.7	33.1
Salt Cont. D	0/500	5	5	5	8.2	8.2	8.2	25.0	24.6	24.0	6.8	5.3	4.7	31.7	32.8
6.25% A	31.25/468.75	5	5	5	8.3	8.2	8.1	24.8	24.6	23.9	6.7	5.5	5.1	30.0	32.1
6.25% B	31.25/468.75	5	5	5	8.3	8.2	8.1	24.9	24.5	23.8	6.8	5.6	5.1	30.8	32.7
6.25% C	31.25/468.75	5	5	5	8.3	8.2	8.1	24.9	24.5	23.8	6.7	5.6	5.0	31.3	32.3
6.25% D	31.25/468.75	5	5	5	8.3	8.2	8.1	24.9	24.0	23.8	6.7	5.6	4.7	31.3	32.6
12.5% A	62.5/437.5	5	5	5	8.3	8.2	8.2	24.9	24.0	23.7	6.8	5.6	4.5	31.2	32.7
12.5% B	62.5/437.5	5	5	5	8.3	8.2	8.2	24.9	24.5	23.8	6.7	5.6	4.5	31.2	32.3
12.5% C	62.5/437.5	5	5	5	8.3	8.2	8.2	24.9	23.9	23.8	6.8	5.5	4.6	31.2	34.0
12.5%D	62.5/437.5	5	5	5	8.3	8.2	8.2	24.9	24.3	23.6	6.8	5.6	4.7	31.6	32.0
25% A	125/375	5	5	4	8.3	8.2	8.2	24.9	24.8	23.7	6.7	5.5	4.9	31.1	33.5
25% B	125/375	5	5	4	8.3	8.2	8.2	25.0	24.8	23.7	6.7	5.4	5.0	31.8	33.3
25% C	125/375	5	5	5	8.3	8.2	8.2	24.9	24.5	24.1	6.7	5.4	5.0	31.6	32.6
25% D	125/375	5	5	5	8.3	8.2	8.2	25.0	24.1	23.8	6.7	5.3	5.1	31.5	32.2
50% A	250/250	5	5	5	8.2	8.2	8.1	25.0	24.0	24.0	6.7	5.4	5.0	31.6	33.7
50% B	250/250	5	5	5	8.2	8.2	8.1	25.1	24.0	24.2	6.6	5.6	4.7	31.8	34.7
50% C	250/250	5	5	5	8.2	8.2	8.1	25.0	24.1	23.6	6.7	5.6	4.6	31.8	33.3
50% D	250/250	5	5	5	8.2	8.2	8.1	25.0	24.5	23.7	6.6	5.5	4.9	31.7	34.3
100% A	500/0	5	5	5	8.1	8.1	8.1	25.2	25.2	24.1	6.6	5.5	4.8	32.3	33.5
100% B	500/0	5	5	5	8.1	8.1	8.1	25.2	24.7	24.0	6.6	5.3	4.8	32.4	33.3
100% C	500/0	5	5	4	8.1	8.1	8.1	25.2	24.5	23.9	6.6	5.2	4.9	32.4	33.9
100% D	500/0	5	5	5	8.1	8.1	8.1	25.2	24.8	23.9	6.6	5.3	5.0	32.2	33.5

Continued

[A] Organisms fed prior to testing and daily.

[B] Temperatures of room and test incubator were continuously recorded on a strip chart recorder.
Room Temperature range for the test period was 23.0°C - 25.0°C.
Incubator #3 temperature range for the test period was 24.0°C - 25.0°C.

LIMS
Job number: TLH-2003-07-08-31
sample number: 686404

Data Transcription Verification
date: 9/23/03
by: Cathy Oaks/Brad Richardson

Total Residual CL2	mg/L	Method
Field:	0.09	-
Lab: 100% sample:	<0.03	Hach

Ammonia	Total (mg/L)	Unionized (mg/L)
Control water:	<0.017	<0.017
100% Sample:	4.55	0.328

Alk & Hardness	Alkalinity (mg/L)	Hardness (mg/L)
Control water:	231	-
100% Sample:	128	134

Salinity [C]	ppt
Mysid control:	20
100% sample:	<1
Salt adjusted sample:	20

[C] 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 1b. Continued

Data recorded during the 96-hour acute bioassays of a sample of effluent from the Beverly Beach Wastewater Treatment Plant (Ocean City Utilities), 240 Starboard Drive, Beverly Beach, Flagler County, Florida, NPDES# FL0039756, performed from 8 to 12 July 2003.

Facility:	**Beverly Beach WWTP**		**NPDES#:**	**FL0039756**	Facility Type:	**Wastewater Treatment**	**Analysts:**	Jacquelyn Brynda
Location:	240 Starboard Drive, Beverly Beach		Contact/District:	P. Oconner/Northeast				Joshua Ayres
County:	Flagler		Test type:	acute definitive renewal				James Daniels
Sample Collection Date:	7/7/2003	Time: 1248	# tests:	2	Receiving Water:	Intracoastal Waterway		Marshall Faircloth
Test Beginning Date:	7/8/2003	Time: 1600	Chlorination Type:			Class III Marine		Deirdre Thomas Christa Pierini
Test Ending Date:	7/12/2003	Time: 1500	FDEP SOP#:	TA07_04		**Page 2 of 4**	**Reviewer:**	Rob Buda

Organism: ***Americamysis bahia***

After Renewal

	Sample/Diluent	SURVIVAL # Alive			pH (standard units)			Temperature °C[A]			Diss. Oxygen mg/L			Conductivity Uncorrected mmhos/cm	
Concentrations	Volume(mL)	48 hr	72 hr	96 hr	48 hour	72 hour	96 hour	48 hour	72 hour	96 hour	48 hour	72 hour	96 hour	48 hour	96 hour
Control A	0/500	5	5	5	8.3	8.1	8.3	23.7	24.5	24.1	6.3	5.5	6.8	30.3	35.9
Control B	0/500	5	5	5	8.3	8.2	8.2	23.7	23.9	24.2	6.3	5.6	6.6	31.3	34.8
Control C	0/500	5	5	5	8.3	8.2	8.2	23.7	23.8	24.3	6.3	5.5	6.3	31.2	34.3
Control D	0/500	5	5	5	8.3	8.1	8.1	23.7	24.1	24.2	6.3	5.6	6.2	31.3	33.7
Salt Cont. A	0/500	5	5	5	8.2	8.2	8.2	23.8	24.8	24.1	6.1	5.1	6.0	31.4	35.4
Salt Cont. B	0/500	5	5	5	8.2	8.2	8.4	23.8	24.1	24.3	6.2	5.2	5.9	31.1	34.3
Salt Cont. C	0/500	5	5	5	8.2	8.2	8.3	24.0	24.4	24.2	6.2	5.2	6.3	31.4	34.1
Salt Cont. D	0/500	5	5	5	8.2	8.2	8.2	23.9	24.6	24.2	6.1	5.0	6.4	31.2	34.0
6.25% A	31.25/468.75	5	5	5	8.3	8.2	8.3	23.9	24.3	24.2	6.4	5.2	6.2	31.2	34.1
6.25% B	31.25/468.75	5	5	5	8.3	8.2	8.1	23.9	23.5	24.0	6.4	5.3	6.3	31.3	34.1
6.25% C	31.25/468.75	5	5	5	8.3	8.2	8.1	23.9	23.8	24.3	6.6	5.2	6.0	31.2	33.6
6.25% D	31.25/468.75	5	5	5	8.3	8.2	8.2	23.9	24.1	24.2	6.6	5.2	6.0	31.1	33.5
12.5% A	62.5/437.5	5	5	5	8.3	8.2	8.2	23.9	24.4	24.1	6.6	5.0	6.2	31.3	35.0
12.5% B	62.5/437.5	5	5	5	8.3	8.2	8.3	23.9	24.1	24.2	6.6	5.0	6.3	31.2	33.8
12.5% C	62.5/437.5	5	5	5	8.3	8.2	8.3	23.9	24.0	24.1	6.6	5.0	6.5	31.3	34.2
12.5%D	62.5/437.5	5	5	5	8.3	8.2	8.2	23.8	23.9	24.2	6.6	5.1	6.5	31.2	34.0
25% A	125/375	4	4	4	8.3	8.1	8.1	23.9	23.7	24.0	6.6	4.9	5.2	31.4	34.7
25% B	125/375	4	4	4	8.3	8.1	8.3	23.9	23.7	24.1	6.6	5.0	5.1	31.4	33.9
25% C	125/375	5	5	5	8.3	8.1	8.3	23.9	23.9	24.0	6.5	4.7	6.1	31.2	33.1
25% D	125/375	5	5	5	8.3	8.1	8.4	23.9	24.0	23.9	6.6	4.6	6.3	31.2	34.7
50% A	250/250	5	5	5	8.3	8.1	8.3	23.8	23.6	24.0	6.6	4.9	6.5	30.9	35.4
50% B	250/250	5	5	5	8.3	8.1	8.3	23.8	23.7	23.9	6.6	5.0	6.6	30.7	35.9
50% C	250/250	5	5	5	8.3	8.1	8.1	23.8	23.7	24.4	6.6	5.2	6.2	31.2	34.7
50% D	250/250	5	5	5	8.3	8.1	8.4	23.8	23.6	24.1	6.8	5.1	6.1	31.6	35.2
100% A	500/0	5	1	1	8.2	8.1	8.3	23.9	23.7	24.0	6.4	5.2	6.5	31.8	35.6
100% B	500/0	5	0	-	8.2	8.1	-	24.0	24.0	-	6.4	5.2	-	31.4	-
100% C	500/0	4	0	-	8.2	8.2	-	23.9	24.7	-	6.2	4.7	-	31.5	-
100% D	500/0	5	0	-	8.2	8.2	-	24.0	24.4	-	6.2	4.7	-	31.0	-

[A] Temperatures of room and test incubator were continuously recorded on a strip chart recorder.
Room Temperature range for the test period was 23.0°C - 25.0°C.
Incubator #3 temperature range for the test period was 24.0°C - 25.0°C.

LIMS

Job number: TLH-2003-07-08-31
sample number: 686404

Data Transcription Verification

date: 9/23/03
by: Cathy Oaks/Brad Richardson

Total Residual CL2	mg/L	Method
Field:	0.09	-
Lab: 100% sample:	<0.03	Hach

Ammonia	Total (mg/L)	Unionized (mg/L)
Control water:	<0.017	<0.017
100% Sample:	4.55	0.328

Alk & Hardness	Alkalinity (mg/L)	Hardness (mg/L)
Control water:	231	-
100% Sample:	128	134

Salinity [C]	ppt
Mysid control:	20
100% sample:	<1
Salt adjusted sample:	20

[B] 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 1c. Continued

Data recorded during the 96-hour acute bioassays of a sample of effluent from the Beverly Beach Wastewater Treatment Plant (Ocean City Utilities), 240 Starboard Drive, Beverly Beach, Flagler County, Florida, NPDES# FL0039756, performed from 8 to 12 July 2003.

Facility:	**Beverly Beach WWTP**		**NPDES#:**	**FL0039756**	Facility Type:	**Wastewater Treatment**	**Analysts:**	Jacquelyn Brynda
Location:	240 Starboard Drive, Beverly Beach		Contact/District:	P. Oconner/Northeast				Joshua Ayres
County:	Flagler		Test type:	acute definitive renewal				James Daniels
Sample Collection Date:	7/7/2003	Time: 1248	# tests:	2	Receiving Water:	Intracoastal Waterway		Marshall Faircloth
Test Beginning Date:	7/8/2003	Time: 1600	Chlorination Type:			Class III Marine	Deirdre Thomas	Christa Pierini
Test Ending Date:	7/12/2003	Time: 1500	FDEP SOP#:	TA07_04		**Page 3 of 4**	**Reviewer:**	Rob Buda

Organism: ***Menidia Beryllina*** Life stage: 12 days [A]Feeding: artemia

Chamber size: 1L Food Batch #: 01940425G

	Sample/Diluent	SURVIVAL # Alive			pH (Standard units)			Temperature °C[B]			Diss. Oxygen mg/L			Conductivity Uncorrected 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	10	10	9	8.4	8.3	8.3	24.6	24.0	23.7	7.0	5.7	5.0	31.1	32.2
Control B	0/500	10	10	10	8.4	8.3	8.3	24.6	24.0	23.7	6.9	5.7	5.0	31.5	31.0
Salt Cont A	0/500	10	10	10	8.2	8.2	8.2	25.1	24.0	23.6	6.7	5.1	4.2	31.7	32.3
Salt Cont B	0/500	10	10	10	8.2	8.2	8.2	25.1	24.0	23.8	6.7	5.3	4.3	31.0	32.0
6.25% A	31.25/468.75	10	10	10	8.4	8.2	8.3	24.6	24.2	23.7	6.9	5.7	4.9	31.5	31.7
6.25% B	31.25/468.75	10	10	10	8.4	8.2	8.3	24.7	23.9	23.7	6.9	5.8	5.0	31.5	30.8
12.5% A	31.25/468.75	10	10	10	8.4	8.2	8.2	24.6	24.0	23.9	6.9	5.7	4.9	31.4	32.0
12.5% B	31.25/468.75	10	10	10	8.4	8.2	8.2	24.8	24.0	23.7	6.9	5.7	4.7	31.5	31.7
25% A	62.5/437.5	10	10	10	8.4	8.2	8.2	24.8	24.0	23.8	6.9	5.6	4.8	31.7	31.7
25% B	62.5/437.5	10	10	10	8.4	8.2	8.2	24.8	24.0	23.6	6.9	5.6	4.6	31.5	31.8
50% A	62.5/437.5	10	10	10	8.2	8.2	8.1	24.9	24.0	24.0	6.8	5.6	4.5	31.9	33.1
50%B	62.5/437.5	10	10	10	8.2	8.2	8.1	25.0	23.9	23.8	6.8	5.5	4.3	32.0	32.7
100% A	500/0	10	10	10	8.3	8.1	8.1	25.0	24.4	23.8	6.8	5.4	4.2	32.3	32.7
100% B	500/0	10	10	10	8.3	8.1	8.1	25.2	24.2	23.8	6.8	5.2	4.2	32.0	31.8

[A] Organisms fed prior to testing and before renewal.

[B] Temperatures of room and test incubator were continuously recorded on a strip chart recorder.
Room Temperature range for the test period was 23.0°C - 25.0°C.
Incubator #3 temperature range for the test period was 24.0°C - 25.0°C.

LIMS	
Job number:	TLH-2003-07-08-31
sample number:	686404

Data Transcription Verification
date: 9/23/03
by: Cathy Oaks/Brad Richardson

Total Residual CL2	mg/L	Method
Field:100% sample:	0.09	-
Lab: 100% sample:	<0.03	Hach

Ammonia	Total (mg/L)	Unionized (mg/L)
Control water:	<0.017	<0.017
100% Sample:	4.550	0.328

Alk & Hardness	Alkalinity (mg/L)	Hardness (mg/L)
Control water:	231	-
100% Sample:	128	134

Salinity [B]	ppt
Menidia control:	20
100% sample:	<1
Salt adjusted sample:	20

[C] 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 1d. Concluded

Data recorded during the 96-hour acute bioassays of a sample of effluent from the Beverly Beach Wastewater Treatment Plant (Ocean City Utilities), 240 Starboard Drive, Beverly Beach, Flagler County, Florida, NPDES# FL0039756, performed from 8 to 12 July 2003.

Facility:	**Beverly Beach WWTP**		**NPDES#:**	**FL0039756**	Facility Type:	**Wastewater Treatment**	**Analysts:**	Jacquelyn Brynda
Location:	240 Starboard Drive, Beverly Beach		Contact/District:	P. Oconner/Northeast				Joshua Ayres
County:	Flagler		Test type:	acute definitive renewal				James Daniels
Sample Collection Date:	7/7/2003	Time: 1248	# tests:	2	Receiving Water:	Intracoastal Waterway		Marshall Faircloth
Test Beginning Date:	7/8/2003	Time: 1600	Chlorination Type:			Class III Marine	Deirdre Thomas	Christa Pierini
Test Ending Date:	7/12/2003	Time: 1500	FDEP SOP#:	TA07_04		**Page 4 of 4**	**Reviewer:**	Rob Buda

Organism: ***Menidia Beryllina***

After Renewal

	Sample/Diluent	SURVIVAL # Alive			pH (Standard units)			Temperature °C[A]			Diss. Oxygen mg/L[B]			Conductivity Uncorrected mmhos/cm	
Concentrations	Volume(mL)	48 hr	72 hr	96 hr	48 hour	72 hour	96 hour	48 hour	72 hour	96 hour	48 hour	72 hour	96 hour	48 hour	96 hour
Control A	0/500	9	9	9	8.4	8.3	8.4	23.9	24.4	24.6	6.7	5.5	7.1	30.6	32.9
Control B	0/500	10	10	10	8.4	8.3	8.4	23.8	24.2	24.6	6.5	5.5	7.2	30.7	32.8
Salt Control A	0/500	10	10	10	8.2	8.2	8.5	23.6	25.9	24.7	5.7	4.9	6.7	31.0	33.3
Salt Control B	0/500	10	10	10	8.2	8.2	8.4	23.6	25.1	24.7	5.8	4.9	6.9	31.0	32.8
6.25% A	31.25/468.75	10	10	10	8.4	8.3	8.4	23.6	24.0	24.6	6.5	5.5	7.1	30.8	33.2
6.25% B	31.25/468.75	10	10	10	8.4	8.2	8.4	23.6	24.1	24.7	6.5	5.4	7.2	30.8	32.8
12.5% A	62.5/437.5	10	10	10	8.3	8.3	8.4	24.0	24.8	24.8	6.5	5.5	7.1	30.8	33.1
12.5% B	62.5/437.5	10	10	10	8.3	8.3	8.4	23.8	24.0	24.8	6.0	5.3	7.0	30.9	33.0
25% A	125/375	10	10	10	8.3	8.2	8.4	24.0	24.2	24.8	6.5	5.3	7.1	30.6	33.0
25% B	125/375	10	10	10	8.3	8.2	8.4	23.7	24.4	24.8	6.5	5.1	7.1	30.9	33.0
50% A	250/250	10	10	10	8.3	8.1	8.1	23.5	24.3	24.8	6.4	5.0	6.2	30.7	33.0
50% B	250/250	10	10	10	8.3	8.1	8.4	23.7	24.2	24.7	6.3	4.0	6.1	31.1	33.2
100% A	500/0	10	10	10	8.2	8.0	8.4	23.7	24.8	24.7	6.0	3.6	6.7	31.3	33.4
100% B	500/0	10	10	10	8.2	8.0	8.3	23.7	25.0	24.7	5.9	3.6	6.8	31.1	33.5

[A] Temperatures of room and test incubator were continuously recorded on a strip chart recorder.
Room Temperature range for the test period was 23.0°C - 25.0°C.
Incubator #3 temperature range for the test period was 24.0°C - 25.0°C.

[B] All replicates aerated at 72 hours.

LIMS	
Job number:	TLH-2003-07-08-31
sample number:	686404

Data Transcription Verification
date: 9/23/03
by: Cathy Oaks/Brad Richardson

Total Residual CL2	mg/L	Method
Field:100% sample:	0.09	-
Lab: 100% sample:	<0.03	Hach

Ammonia	Total (mg/L)	Unionized (mg/L)
Control water:	<0.017	<0.017
100% Sample:	4.550	0.328

Alk & Hardness	Alkalinity (mg/L)	Hardness (mg/L)
Control water:	231	-
100% Sample:	128	134

Salinity[C]	ppt
Menidia control:	20
100% sample:	<1
Salt adjusted sample:	20

[C] Salinity based on conductivity and temperature.

Light Intensity during the test was 50-100 foot candles.
Photoperiod during the

Table 2. Results of chemical analyses on the effluent from the Beverly Beach Wastewater Treatment Plant (Ocean City Utilities) sampled on July 7, 2003.

Metals		
Aluminum	29 µg/L	I
Cadmium	0.07 µg/L	I
Calcium	43.5 mg/L	
Copper	4.5 µg/L	I
Iron	26 µg/L	I
Lead	0.2 µg/L	
Magnesium	7.7 mg/L	
Nickel	2.8 µg/L	
Zinc	66 µg/L	
Pesticides and Herbicides		
None detected		
Nutrients		
Ammonia	4 mg N/L	A
Nitrates and Nitrites	12 mg N/L	A
Total Kjeldahl Nitrogen	6.4 mg N/L	A
Ortho-Phosphates	6.6 mg P/L	
Total-Phosphorous	6.7 mg P/L	A
Base, Neutral, & Acid Extractable Organics		
Acetophenone	1.2 µg/L	I

[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 3. **Chemical Analyses performed on the effluent from the Beverly Beach Wastewater Treatment Plant (Ocean City Utilities), sampled on July 7, 2003.**

Date Sampled	Field ID	Analysis Group	Component	Result	Units	Remark	MDL	PQL
7/7/2003 9:10	EQUIPMENT BLANK	BNA-Water	1,2,4,5-Tetrachlorobenzene	1	ug/L	U	1	4.1
7/7/2003 9:10	EQUIPMENT BLANK	BNA-Water	1,2,4-Trichlorobenzene	1	ug/L	U	1	4.1
7/7/2003 9:10	EQUIPMENT BLANK	BNA-Water	1,2-Dichlorobenzene	1	ug/L	U	1	4.1
7/7/2003 9:10	EQUIPMENT BLANK	BNA-Water	1,3,5-Trinitrobenzene	4.1	ug/L	U	4.1	16
7/7/2003 9:10	EQUIPMENT BLANK	BNA-Water	1,3-Dichlorobenzene	1	ug/L	U	1	4.1
7/7/2003 9:10	EQUIPMENT BLANK	BNA-Water	1,3-Dinitrobenzene	2	ug/L	U	2	8.2
7/7/2003 9:10	EQUIPMENT BLANK	BNA-Water	1,4-Dichlorobenzene	1	ug/L	U	1	4.1
7/7/2003 9:10	EQUIPMENT BLANK	BNA-Water	1,4-Naphthoquinone	20	ug/L	UJ	20	82
7/7/2003 9:10	EQUIPMENT BLANK	BNA-Water	1-Naphthylamine	10	ug/L	U	10	41
7/7/2003 9:10	EQUIPMENT BLANK	BNA-Water	2,3,4,6-Tetrachlorophenol	2	ug/L	U	2	8.2
7/7/2003 9:10	EQUIPMENT BLANK	BNA-Water	2,4,5-Trichlorophenol	1	ug/L	U	1	4.1
7/7/2003 9:10	EQUIPMENT BLANK	BNA-Water	2,4,6-Trichlorophenol	1	ug/L	U	1	4.1
7/7/2003 9:10	EQUIPMENT BLANK	BNA-Water	2,4-Dichlorophenol	1	ug/L	U	1	4.1
7/7/2003 9:10	EQUIPMENT BLANK	BNA-Water	2,4-Dimethylphenol	51	ug/L	U	51	200
7/7/2003 9:10	EQUIPMENT BLANK	BNA-Water	2,4-Dinitrophenol	15	ug/L	U	15	61
7/7/2003 9:10	EQUIPMENT BLANK	BNA-Water	2,4-Dinitrotoluene	1	ug/L	U	1	4.1
7/7/2003 9:10	EQUIPMENT BLANK	BNA-Water	2,6-Dichlorophenol	1	ug/L	U	1	4.1
7/7/2003 9:10	EQUIPMENT BLANK	BNA-Water	2,6-Dinitrotoluene	1	ug/L	U	1	4.1
7/7/2003 9:10	EQUIPMENT BLANK	BNA-Water	2-Acetylaminofluorene	1	ug/L	U	1	4.1
7/7/2003 9:10	EQUIPMENT BLANK	BNA-Water	2-Chloronaphthalene	1	ug/L	U	1	4.1
7/7/2003 9:10	EQUIPMENT BLANK	BNA-Water	2-Chlorophenol	1	ug/L	U	1	4.1
7/7/2003 9:10	EQUIPMENT BLANK	BNA-Water	2-Methyl-4,6-dinitrophenol	3.1	ug/L	U	3.1	12
7/7/2003 9:10	EQUIPMENT BLANK	BNA-Water	2-Methylnaphthalene	1	ug/L	U	1	4.1
7/7/2003 9:10	EQUIPMENT BLANK	BNA-Water	2-Naphthylamine	10	ug/L	U	10	41
7/7/2003 9:10	EQUIPMENT BLANK	BNA-Water	2-Nitroaniline	1	ug/L	UJ	1	4.1
7/7/2003 9:10	EQUIPMENT BLANK	BNA-Water	2-Nitrophenol	1	ug/L	U	1	4.1
7/7/2003 9:10	EQUIPMENT BLANK	BNA-Water	2-Picoline	1	ug/L	U	1	4.1
7/7/2003 9:10	EQUIPMENT BLANK	BNA-Water	3,3'-Dichlorobenzidine	41	ug/L	U	41	160
7/7/2003 9:10	EQUIPMENT BLANK	BNA-Water	3,3'-Dimethylbenzidine	20	ug/L	UJ	20	82
7/7/2003 9:10	EQUIPMENT BLANK	BNA-Water	3-Methylcholanthrene	1	ug/L	U	1	4.1
7/7/2003 9:10	EQUIPMENT BLANK	BNA-Water	3-Nitroaniline	1	ug/L	U	1	4.1
7/7/2003 9:10	EQUIPMENT BLANK	BNA-Water	4,4'-DDD	1.5	ug/L	U	1.5	6.1
7/7/2003 9:10	EQUIPMENT BLANK	BNA-Water	4,4'-DDE	1.5	ug/L	U	1.5	6.1
7/7/2003 9:10	EQUIPMENT BLANK	BNA-Water	4,4'-DDT	1.5	ug/L	U	1.5	6.1
7/7/2003 9:10	EQUIPMENT BLANK	BNA-Water	4-Aminobiphenyl	4.1	ug/L	U	4.1	16
7/7/2003 9:10	EQUIPMENT BLANK	BNA-Water	4-Bromophenyl phenyl ether	1	ug/L	U	1	4.1
7/7/2003 9:10	EQUIPMENT BLANK	BNA-Water	4-Chloro-3-methylphenol	1	ug/L	U	1	4.1
7/7/2003 9:10	EQUIPMENT BLANK	BNA-Water	4-Chloroaniline	1	ug/L	U	1	4.1
7/7/2003 9:10	EQUIPMENT BLANK	BNA-Water	4-Chlorophenyl phenyl ether	2	ug/L	U	2	8.2
7/7/2003 9:10	EQUIPMENT BLANK	BNA-Water	4-Nitroaniline	1	ug/L	U	1	4.1
7/7/2003 9:10	EQUIPMENT BLANK	BNA-Water	4-Nitrophenol	15	ug/L	U	15	61
7/7/2003 9:10	EQUIPMENT BLANK	BNA-Water	5-Nitro-o-toluidine	1	ug/L	U	1	4.1
7/7/2003 9:10	EQUIPMENT BLANK	BNA-Water	7,12-Dimethylbenz(a)anthracene	1	ug/L	U	1	4.1
7/7/2003 9:10	EQUIPMENT BLANK	BNA-Water	Acenaphthene	1	ug/L	U	1	4.1
7/7/2003 9:10	EQUIPMENT BLANK	BNA-Water	Acenaphthylene	1	ug/L	U	1	4.1
7/7/2003 9:10	EQUIPMENT BLANK	BNA-Water	Acetophenone	1.2	ug/L	I	1	4.1
7/7/2003 9:10	EQUIPMENT BLANK	BNA-Water	Aldrin	1.5	ug/L	U	1.5	6.1
7/7/2003 9:10	EQUIPMENT BLANK	BNA-Water	Aniline	1	ug/L	U	1	4.1
7/7/2003 9:10	EQUIPMENT BLANK	BNA-Water	Anthracene	1	ug/L	U	1	4.1
7/7/2003 9:10	EQUIPMENT BLANK	BNA-Water	Azobenzene/1,2-Diphenylhydrazine	1	ug/L	U	1	4.1
7/7/2003 9:10	EQUIPMENT BLANK	BNA-Water	Benzidine	100	ug/L	U	100	410
7/7/2003 9:10	EQUIPMENT BLANK	BNA-Water	Benzo(a)anthracene	1	ug/L	U	1	4.1
7/7/2003 9:10	EQUIPMENT BLANK	BNA-Water	Benzo(a)pyrene	1	ug/L	U	1	4.1
7/7/2003 9:10	EQUIPMENT BLANK	BNA-Water	Benzo(b)fluoranthene	1	ug/L	U	1	4.1
7/7/2003 9:10	EQUIPMENT BLANK	BNA-Water	Benzo(g,h,i)perylene	1	ug/L	U	1	4.1
7/7/2003 9:10	EQUIPMENT BLANK	BNA-Water	Benzo(k)fluoranthene	1	ug/L	U	1	4.1
7/7/2003 9:10	EQUIPMENT BLANK	BNA-Water	Benzyl alcohol	1	ug/L	U	1	4.1
7/7/2003 9:10	EQUIPMENT BLANK	BNA-Water	Bis(2-chloroethoxy)methane	1	ug/L	U	1	4.1
7/7/2003 9:10	EQUIPMENT BLANK	BNA-Water	Bis(2-chloroethyl)ether	1	ug/L	U	1	4.1
7/7/2003 9:10	EQUIPMENT BLANK	BNA-Water	Bis(2-chloroisopropyl)ether	3.1	ug/L	U	3.1	12
7/7/2003 9:10	EQUIPMENT BLANK	BNA-Water	Bis(2-ethylhexyl)phthalate	49	ug/L	UJ	15	61

Date Sampled	Field ID	Analysis Group	Component	Result	Units	Remark	MDL	PQL
7/7/2003 9:10	EQUIPMENT BLANK	BNA-Water	Butyl benzyl phthalate	5.1	ug/L	U	5.1	20
7/7/2003 9:10	EQUIPMENT BLANK	BNA-Water	Chrysene	1	ug/L	U	1	4.1
7/7/2003 9:10	EQUIPMENT BLANK	BNA-Water	Di-n-butyl phthalate	5.1	ug/L	U	5.1	20
7/7/2003 9:10	EQUIPMENT BLANK	BNA-Water	Di-n-octyl phthalate	1	ug/L	U	1	4.1
7/7/2003 9:10	EQUIPMENT BLANK	BNA-Water	Dibenzo(a,h)anthracene	1	ug/L	U	1	4.1
7/7/2003 9:10	EQUIPMENT BLANK	BNA-Water	Dibenzofuran	1	ug/L	U	1	4.1
7/7/2003 9:10	EQUIPMENT BLANK	BNA-Water	Dieldrin	1.5	ug/L	UJ	1.5	6.1
7/7/2003 9:10	EQUIPMENT BLANK	BNA-Water	Diethyl phthalate	1	ug/L	U	1	4.1
7/7/2003 9:10	EQUIPMENT BLANK	BNA-Water	Dimethyl phthalate	51	ug/L	U	51	200
7/7/2003 9:10	EQUIPMENT BLANK	BNA-Water	Dimethylaminoazobenzene	1	ug/L	U	1	4.1
7/7/2003 9:10	EQUIPMENT BLANK	BNA-Water	Dinoseb	4.1	ug/L	U	4.1	16
7/7/2003 9:10	EQUIPMENT BLANK	BNA-Water	Diphenylamine	3.1	ug/L	U	3.1	12
7/7/2003 9:10	EQUIPMENT BLANK	BNA-Water	Endosulfan I	4.1	ug/L	U	4.1	16
7/7/2003 9:10	EQUIPMENT BLANK	BNA-Water	Endosulfan II	4.1	ug/L	U	4.1	16
7/7/2003 9:10	EQUIPMENT BLANK	BNA-Water	Endosulfan sulfate	1.5	ug/L	U	1.5	6.1
7/7/2003 9:10	EQUIPMENT BLANK	BNA-Water	Endrin	1.5	ug/L	UJ	1.5	6.1
7/7/2003 9:10	EQUIPMENT BLANK	BNA-Water	Endrin aldehyde	4.1	ug/L	U	4.1	16
7/7/2003 9:10	EQUIPMENT BLANK	BNA-Water	Ethyl methanesulfonate	1	ug/L	U	1	4.1
7/7/2003 9:10	EQUIPMENT BLANK	BNA-Water	Fluoranthene	1	ug/L	U	1	4.1
7/7/2003 9:10	EQUIPMENT BLANK	BNA-Water	Fluorene	1	ug/L	U	1	4.1
7/7/2003 9:10	EQUIPMENT BLANK	BNA-Water	Heptachlor	1.5	ug/L	U	1.5	6.1
7/7/2003 9:10	EQUIPMENT BLANK	BNA-Water	Heptachlor epoxide	1.5	ug/L	U	1.5	6.1
7/7/2003 9:10	EQUIPMENT BLANK	BNA-Water	Hexachlorobenzene	1	ug/L	U	1	4.1
7/7/2003 9:10	EQUIPMENT BLANK	BNA-Water	Hexachlorobutadiene	3.1	ug/L	U	3.1	12
7/7/2003 9:10	EQUIPMENT BLANK	BNA-Water	Hexachlorocyclopentadiene	3.1	ug/L	U	3.1	12
7/7/2003 9:10	EQUIPMENT BLANK	BNA-Water	Hexachloroethane	3.1	ug/L	U	3.1	12
7/7/2003 9:10	EQUIPMENT BLANK	BNA-Water	Hexachloropropene	2	ug/L	UJ	2	8.2
7/7/2003 9:10	EQUIPMENT BLANK	BNA-Water	Indeno(1,2,3-cd)pyrene	1	ug/L	U	1	4.1
7/7/2003 9:10	EQUIPMENT BLANK	BNA-Water	Isophorone	1	ug/L	U	1	4.1
7/7/2003 9:10	EQUIPMENT BLANK	BNA-Water	Isosafrole	1	ug/L	UJ	1	4.1
7/7/2003 9:10	EQUIPMENT BLANK	BNA-Water	Methapyrilene	4.1	ug/L	UJ	4.1	16
7/7/2003 9:10	EQUIPMENT BLANK	BNA-Water	Methyl methanesulfonate	1	ug/L	UJ	1	4.1
7/7/2003 9:10	EQUIPMENT BLANK	BNA-Water	N-Nitrosodi-n-butylamine	1	ug/L	U	1	4.1
7/7/2003 9:10	EQUIPMENT BLANK	BNA-Water	N-Nitrosodi-n-propylamine	2	ug/L	U	2	8.2
7/7/2003 9:10	EQUIPMENT BLANK	BNA-Water	N-Nitrosodiethylamine	1	ug/L	U	1	4.1
7/7/2003 9:10	EQUIPMENT BLANK	BNA-Water	N-Nitrosodimethylamine	2	ug/L	UJ	2	8.2
7/7/2003 9:10	EQUIPMENT BLANK	BNA-Water	N-Nitrosodiphenylamine	3.1	ug/L	U	3.1	12
7/7/2003 9:10	EQUIPMENT BLANK	BNA-Water	N-Nitrosomethylethylamine	2	ug/L	U	2	8.2
7/7/2003 9:10	EQUIPMENT BLANK	BNA-Water	N-Nitrosomorpholine	1	ug/L	UJ	1	4.1
7/7/2003 9:10	EQUIPMENT BLANK	BNA-Water	N-Nitrosopiperidine	1	ug/L	U	1	4.1
7/7/2003 9:10	EQUIPMENT BLANK	BNA-Water	N-Nitrosopyrrolidine	2	ug/L	U	2	8.2
7/7/2003 9:10	EQUIPMENT BLANK	BNA-Water	Naphthalene	1	ug/L	U	1	4.1
7/7/2003 9:10	EQUIPMENT BLANK	BNA-Water	Nitrobenzene	2	ug/L	U	2	8.2
7/7/2003 9:10	EQUIPMENT BLANK	BNA-Water	Nitroquinoline-1-oxide	20	ug/L	U	20	82
7/7/2003 9:10	EQUIPMENT BLANK	BNA-Water	Pentachlorobenzene	1	ug/L	U	1	4.1
7/7/2003 9:10	EQUIPMENT BLANK	BNA-Water	Pentachloroethane	51	ug/L	U	51	200
7/7/2003 9:10	EQUIPMENT BLANK	BNA-Water	Pentachloronitrobenzene	1	ug/L	UJ	1	4.1
7/7/2003 9:10	EQUIPMENT BLANK	BNA-Water	Pentachlorophenol	3.1	ug/L	U	3.1	12
7/7/2003 9:10	EQUIPMENT BLANK	BNA-Water	Phenacetin	4.1	ug/L	U	4.1	12
7/7/2003 9:10	EQUIPMENT BLANK	BNA-Water	Phenanthrene	1	ug/L	U	1	4.1
7/7/2003 9:10	EQUIPMENT BLANK	BNA-Water	Phenol	1	ug/L	U	1	4.1
7/7/2003 9:10	EQUIPMENT BLANK	BNA-Water	Pyrene	1	ug/L	U	1	4.1
7/7/2003 9:10	EQUIPMENT BLANK	BNA-Water	Pyridine	4.1	ug/L	U	4.1	16
7/7/2003 9:10	EQUIPMENT BLANK	BNA-Water	Safrole	1	ug/L	U	1	4.1
7/7/2003 9:10	EQUIPMENT BLANK	BNA-Water	alpha-BHC	1.5	ug/L	U	1.5	6.1
7/7/2003 9:10	EQUIPMENT BLANK	BNA-Water	beta-BHC	1.5	ug/L	U	1.5	6.1
7/7/2003 9:10	EQUIPMENT BLANK	BNA-Water	delta-BHC	1.5	ug/L	U	1.5	6.1
7/7/2003 9:10	EQUIPMENT BLANK	BNA-Water	gamma-BHC	1.5	ug/L	U	1.5	6.1
7/7/2003 9:10	EQUIPMENT BLANK	BNA-Water	m,p-Cresols	2	ug/L	U	2	8.2
7/7/2003 9:10	EQUIPMENT BLANK	BNA-Water	o-Cresol	2	ug/L	U	2	8.2
7/7/2003 9:10	EQUIPMENT BLANK	BNA-Water	o-Toluidine	1	ug/L	U	1	4.1
7/7/2003 9:10	EQUIPMENT BLANK	GC-Water	Alachlor	0.58	ug/L	U	0.58	2.32
7/7/2003 9:10	EQUIPMENT BLANK	GC-Water	Ametryn	0.048	ug/L	U	0.048	0.192
7/7/2003 9:10	EQUIPMENT BLANK	GC-Water	Atrazine	0.048	ug/L	U	0.048	0.192

Date Sampled	Field ID	Analysis Group	Component	Result	Units	Remark	MDL	PQL
7/7/2003 9:10	EQUIPMENT BLANK	GC-Water	Azinphos Methyl	0.048	ug/L	U	0.048	0.192
7/7/2003 9:10	EQUIPMENT BLANK	GC-Water	Bromacil	0.19	ug/L	U	0.19	0.76
7/7/2003 9:10	EQUIPMENT BLANK	GC-Water	Butylate	0.19	ug/L	U	0.19	0.76
7/7/2003 9:10	EQUIPMENT BLANK	GC-Water	Chlorpyrifos Ethyl	0.048	ug/L	U	0.048	0.192
7/7/2003 9:10	EQUIPMENT BLANK	GC-Water	Chlorpyrifos Methyl	0.097	ug/L	U	0.097	0.388
7/7/2003 9:10	EQUIPMENT BLANK	GC-Water	Diazinon	0.048	ug/L	U	0.048	0.192
7/7/2003 9:10	EQUIPMENT BLANK	GC-Water	Ethion	0.048	ug/L	U	0.048	0.192
7/7/2003 9:10	EQUIPMENT BLANK	GC-Water	Ethoprop	0.097	ug/L	U	0.097	0.388
7/7/2003 9:10	EQUIPMENT BLANK	GC-Water	Fenamiphos	0.19	ug/L	U	0.19	0.76
7/7/2003 9:10	EQUIPMENT BLANK	GC-Water	Fonofos	0.097	ug/L	U	0.097	0.388
7/7/2003 9:10	EQUIPMENT BLANK	GC-Water	Hexazinone	0.097	ug/L	U	0.097	0.388
7/7/2003 9:10	EQUIPMENT BLANK	GC-Water	Malathion	0.14	ug/L	U	0.14	0.56
7/7/2003 9:10	EQUIPMENT BLANK	GC-Water	Metalaxyl	0.24	ug/L	U	0.24	0.96
7/7/2003 9:10	EQUIPMENT BLANK	GC-Water	Metolachlor	0.48	ug/L	U	0.48	1.92
7/7/2003 9:10	EQUIPMENT BLANK	GC-Water	Metribuzin	0.097	ug/L	U	0.097	0.388
7/7/2003 9:10	EQUIPMENT BLANK	GC-Water	Mevinphos	0.19	ug/L	U	0.19	0.76
7/7/2003 9:10	EQUIPMENT BLANK	GC-Water	Naled	0.78	ug/L	U	0.78	3.12
7/7/2003 9:10	EQUIPMENT BLANK	GC-Water	Norflurazon	0.097	ug/L	U	0.097	0.388
7/7/2003 9:10	EQUIPMENT BLANK	GC-Water	Parathion Ethyl	0.14	ug/L	U	0.14	0.56
7/7/2003 9:10	EQUIPMENT BLANK	GC-Water	Parathion Methyl	0.097	ug/L	U	0.097	0.388
7/7/2003 9:10	EQUIPMENT BLANK	GC-Water	Phorate	0.048	ug/L	U	0.048	0.192
7/7/2003 9:10	EQUIPMENT BLANK	GC-Water	Prometryn	0.14	ug/L	U	0.14	0.56
7/7/2003 9:10	EQUIPMENT BLANK	GC-Water	Simazine	0.048	ug/L	U	0.048	0.192
7/7/2003 9:10	EQUIPMENT BLANK	Metals-Water	Aluminum	10	ug/L	U	10	40
7/7/2003 9:10	EQUIPMENT BLANK	Metals-Water	Arsenic	0.75	ug/L	U	0.75	3
7/7/2003 9:10	EQUIPMENT BLANK	Metals-Water	Cadmium	0.025	ug/L	U	0.025	0.1
7/7/2003 9:10	EQUIPMENT BLANK	Metals-Water	Calcium	0.05	mg/L	U	0.05	0.2
7/7/2003 9:10	EQUIPMENT BLANK	Metals-Water	Chromium	4.2	ug/L	U	2	8
7/7/2003 9:10	EQUIPMENT BLANK	Metals-Water	Copper	1.2	ug/L	U	1.2	4.8
7/7/2003 9:10	EQUIPMENT BLANK	Metals-Water	Iron	15	ug/L	U	15	60
7/7/2003 9:10	EQUIPMENT BLANK	Metals-Water	Lead	0.05	ug/L	U	0.05	0.2
7/7/2003 9:10	EQUIPMENT BLANK	Metals-Water	Magnesium	0.02	mg/L	U	0.02	0.08
7/7/2003 9:10	EQUIPMENT BLANK	Metals-Water	Nickel	0.5	ug/L	U	0.5	2
7/7/2003 9:10	EQUIPMENT BLANK	Metals-Water	Selenium	8	ug/L	U	8	32
7/7/2003 9:10	EQUIPMENT BLANK	Metals-Water	Silver	0.02	ug/L	U	0.02	0.08
7/7/2003 9:10	EQUIPMENT BLANK	Metals-Water	Zinc	4	ug/L	U	4	16
7/7/2003 9:10	EQUIPMENT BLANK	Nutrients-Liquid	Ammonia-N	0.01	mg N/L	U	0.01	0.02
7/7/2003 9:10	EQUIPMENT BLANK	Nutrients-Liquid	NO2NO3-N	0.004	mg N/L	U	0.004	0.01
7/7/2003 9:10	EQUIPMENT BLANK	Nutrients-Liquid	N_KJEL_TOT	0.06	mg N/L	U	0.06	0.2
7/7/2003 9:10	EQUIPMENT BLANK	Nutrients-Liquid	O-Phosphate-P	0.004	mg P/L	U	0.004	0.01
7/7/2003 9:10	EQUIPMENT BLANK	Nutrients-Liquid	Total-P	0.015	mg P/L	U	0.015	0.04
7/7/2003 12:48	FINAL EFFLUENT	Bio-AGP/LimNut	Algal Growth Potential	4.58	mg DryWt/L		0.1	0.3
7/7/2003 12:48	FINAL EFFLUENT	Bio-Chl-a	Chlorophyll-A, Monochromatic, Water	0.85	ug/L	U	0.85	2.6
7/7/2003 12:48	FINAL EFFLUENT	Bio-Chl-a	Phaeophytin-A, Monochromatic, Water	0.85	ug/L	U	0.85	2.6
7/7/2003 12:48	FINAL EFFLUENT	Bio-Toxicology	Bioassay-Acute-Def-SW-Fish, LC50	100	LC50	L		
7/7/2003 12:48	FINAL EFFLUENT	Bio-Toxicology	Bioassay-Acute-Def-SW-Mysid, LC50	70.7	LC50			
7/7/2003 12:48	FINAL EFFLUENT	BNA-Water	1,2,4,5-Tetrachlorobenzene	0.96	ug/L	U	0.96	3.8
7/7/2003 12:48	FINAL EFFLUENT	BNA-Water	1,2,4-Trichlorobenzene	0.96	ug/L	U	0.96	3.8
7/7/2003 12:48	FINAL EFFLUENT	BNA-Water	1,2-Dichlorobenzene	0.96	ug/L	U	0.96	3.8
7/7/2003 12:48	FINAL EFFLUENT	BNA-Water	1,3,5-Trinitrobenzene	3.8	ug/L	U	3.8	15
7/7/2003 12:48	FINAL EFFLUENT	BNA-Water	1,3-Dichlorobenzene	0.96	ug/L	U	0.96	3.8
7/7/2003 12:48	FINAL EFFLUENT	BNA-Water	1,3-Dinitrobenzene	1.9	ug/L	U	1.9	7.7
7/7/2003 12:48	FINAL EFFLUENT	BNA-Water	1,4-Dichlorobenzene	0.96	ug/L	U	0.96	3.8
7/7/2003 12:48	FINAL EFFLUENT	BNA-Water	1,4-Naphthoquinone	19	ug/L	UJ	19	77
7/7/2003 12:48	FINAL EFFLUENT	BNA-Water	1-Naphthylamine	9.6	ug/L	U	9.6	38
7/7/2003 12:48	FINAL EFFLUENT	BNA-Water	2,3,4,6-Tetrachlorophenol	1.9	ug/L	U	1.9	7.7
7/7/2003 12:48	FINAL EFFLUENT	BNA-Water	2,4,5-Trichlorophenol	0.96	ug/L	U	0.96	3.8
7/7/2003 12:48	FINAL EFFLUENT	BNA-Water	2,4,6-Trichlorophenol	0.96	ug/L	U	0.96	3.8
7/7/2003 12:48	FINAL EFFLUENT	BNA-Water	2,4-Dichlorophenol	0.96	ug/L	U	0.96	3.8
7/7/2003 12:48	FINAL EFFLUENT	BNA-Water	2,4-Dimethylphenol	48	ug/L	U	48	190
7/7/2003 12:48	FINAL EFFLUENT	BNA-Water	2,4-Dinitrophenol	14	ug/L	U	14	58
7/7/2003 12:48	FINAL EFFLUENT	BNA-Water	2,4-Dinitrotoluene	0.96	ug/L	U	0.96	3.8
7/7/2003 12:48	FINAL EFFLUENT	BNA-Water	2,6-Dichlorophenol	0.96	ug/L	U	0.96	3.8
7/7/2003 12:48	FINAL EFFLUENT	BNA-Water	2,6-Dinitrotoluene	0.96	ug/L	U	0.96	3.8

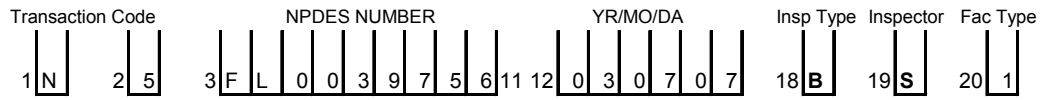
Date Sampled	Field ID	Analysis Group	Component	Result	Units	Remark	MDL	PQL
7/7/2003 12:48	FINAL EFFLUENT	BNA-Water	2-Acetylaminofluorene	0.96	ug/L	U	0.96	3.8
7/7/2003 12:48	FINAL EFFLUENT	BNA-Water	2-Chloronaphthalene	0.96	ug/L	U	0.96	3.8
7/7/2003 12:48	FINAL EFFLUENT	BNA-Water	2-Chlorophenol	0.96	ug/L	U	0.96	3.8
7/7/2003 12:48	FINAL EFFLUENT	BNA-Water	2-Methyl-4,6-dinitrophenol	2.9	ug/L	U	2.9	12
7/7/2003 12:48	FINAL EFFLUENT	BNA-Water	2-Methylnaphthalene	0.96	ug/L	U	0.96	3.8
7/7/2003 12:48	FINAL EFFLUENT	BNA-Water	2-Naphthylamine	9.6	ug/L	U	9.6	38
7/7/2003 12:48	FINAL EFFLUENT	BNA-Water	2-Nitroaniline	0.96	ug/L	UJ	0.96	3.8
7/7/2003 12:48	FINAL EFFLUENT	BNA-Water	2-Nitrophenol	0.96	ug/L	U	0.96	3.8
7/7/2003 12:48	FINAL EFFLUENT	BNA-Water	2-Picoline	0.96	ug/L	U	0.96	3.8
7/7/2003 12:48	FINAL EFFLUENT	BNA-Water	3,3'-Dichlorobenzidine	38	ug/L	U	38	150
7/7/2003 12:48	FINAL EFFLUENT	BNA-Water	3,3'-Dimethylbenzidine	19	ug/L	UJ	19	77
7/7/2003 12:48	FINAL EFFLUENT	BNA-Water	3-Methylcholanthrene	0.96	ug/L	U	0.96	3.8
7/7/2003 12:48	FINAL EFFLUENT	BNA-Water	3-Nitroaniline	0.96	ug/L	U	0.96	3.8
7/7/2003 12:48	FINAL EFFLUENT	BNA-Water	4,4'-DDD	1.4	ug/L	U	1.4	5.8
7/7/2003 12:48	FINAL EFFLUENT	BNA-Water	4,4'-DDE	1.4	ug/L	U	1.4	5.8
7/7/2003 12:48	FINAL EFFLUENT	BNA-Water	4,4'-DDT	1.4	ug/L	U	1.4	5.8
7/7/2003 12:48	FINAL EFFLUENT	BNA-Water	4-Aminobiphenyl	3.8	ug/L	U	3.8	15
7/7/2003 12:48	FINAL EFFLUENT	BNA-Water	4-Bromophenyl phenyl ether	0.96	ug/L	U	0.96	3.8
7/7/2003 12:48	FINAL EFFLUENT	BNA-Water	4-Chloro-3-methylphenol	0.96	ug/L	U	0.96	3.8
7/7/2003 12:48	FINAL EFFLUENT	BNA-Water	4-Chloroaniline	0.96	ug/L	U	0.96	3.8
7/7/2003 12:48	FINAL EFFLUENT	BNA-Water	4-Chlorophenyl phenyl ether	1.9	ug/L	U	1.9	7.7
7/7/2003 12:48	FINAL EFFLUENT	BNA-Water	4-Nitroaniline	0.96	ug/L	U	0.96	3.8
7/7/2003 12:48	FINAL EFFLUENT	BNA-Water	4-Nitrophenol	14	ug/L	U	14	58
7/7/2003 12:48	FINAL EFFLUENT	BNA-Water	5-Nitro-o-toluidine	0.96	ug/L	U	0.96	3.8
7/7/2003 12:48	FINAL EFFLUENT	BNA-Water	7,12-Dimethylbenz(a)anthracene	0.96	ug/L	U	0.96	3.8
7/7/2003 12:48	FINAL EFFLUENT	BNA-Water	Acenaphthene	0.96	ug/L	U	0.96	3.8
7/7/2003 12:48	FINAL EFFLUENT	BNA-Water	Acenaphthylene	0.96	ug/L	U	0.96	3.8
7/7/2003 12:48	FINAL EFFLUENT	BNA-Water	Acetophenone	0.96	ug/L	U	0.96	3.8
7/7/2003 12:48	FINAL EFFLUENT	BNA-Water	Aldrin	1.4	ug/L	U	1.4	5.8
7/7/2003 12:48	FINAL EFFLUENT	BNA-Water	Aniline	0.96	ug/L	U	0.96	3.8
7/7/2003 12:48	FINAL EFFLUENT	BNA-Water	Anthracene	0.96	ug/L	U	0.96	3.8
7/7/2003 12:48	FINAL EFFLUENT	BNA-Water	Azobenzene/1,2-Diphenylhydrazine	0.96	ug/L	U	0.96	3.8
7/7/2003 12:48	FINAL EFFLUENT	BNA-Water	Benzidine	96	ug/L	U	96	380
7/7/2003 12:48	FINAL EFFLUENT	BNA-Water	Benzo(a)anthracene	0.96	ug/L	U	0.96	3.8
7/7/2003 12:48	FINAL EFFLUENT	BNA-Water	Benzo(a)pyrene	0.96	ug/L	U	0.96	3.8
7/7/2003 12:48	FINAL EFFLUENT	BNA-Water	Benzo(b)fluoranthene	0.96	ug/L	U	0.96	3.8
7/7/2003 12:48	FINAL EFFLUENT	BNA-Water	Benzo(g,h,i)perylene	0.96	ug/L	U	0.96	3.8
7/7/2003 12:48	FINAL EFFLUENT	BNA-Water	Benzo(k)fluoranthene	0.96	ug/L	U	0.96	3.8
7/7/2003 12:48	FINAL EFFLUENT	BNA-Water	Benzyl alcohol	0.96	ug/L	U	0.96	3.8
7/7/2003 12:48	FINAL EFFLUENT	BNA-Water	Bis(2-chloroethoxy)methane	0.96	ug/L	U	0.96	3.8
7/7/2003 12:48	FINAL EFFLUENT	BNA-Water	Bis(2-chloroethyl)ether	0.96	ug/L	U	0.96	3.8
7/7/2003 12:48	FINAL EFFLUENT	BNA-Water	Bis(2-chloroisopropyl)ether	2.9	ug/L	U	2.9	12
7/7/2003 12:48	FINAL EFFLUENT	BNA-Water	Bis(2-ethylhexyl)phthalate	46	ug/L	UJ	14	58
7/7/2003 12:48	FINAL EFFLUENT	BNA-Water	Butyl benzyl phthalate	4.8	ug/L	U	4.8	19
7/7/2003 12:48	FINAL EFFLUENT	BNA-Water	Chrysene	0.96	ug/L	U	0.96	3.8
7/7/2003 12:48	FINAL EFFLUENT	BNA-Water	Di-n-butyl phthalate	4.8	ug/L	U	4.8	19
7/7/2003 12:48	FINAL EFFLUENT	BNA-Water	Di-n-octyl phthalate	0.96	ug/L	U	0.96	3.8
7/7/2003 12:48	FINAL EFFLUENT	BNA-Water	Dibenzo(a,h)anthracene	0.96	ug/L	U	0.96	3.8
7/7/2003 12:48	FINAL EFFLUENT	BNA-Water	Dibenzofuran	0.96	ug/L	U	0.96	3.8
7/7/2003 12:48	FINAL EFFLUENT	BNA-Water	Dieldrin	1.4	ug/L	UJ	1.4	5.8
7/7/2003 12:48	FINAL EFFLUENT	BNA-Water	Diethyl phthalate	0.96	ug/L	U	0.96	3.8
7/7/2003 12:48	FINAL EFFLUENT	BNA-Water	Dimethyl phthalate	48	ug/L	U	48	190
7/7/2003 12:48	FINAL EFFLUENT	BNA-Water	Dimethylaminoazobenzene	0.96	ug/L	U	0.96	3.8
7/7/2003 12:48	FINAL EFFLUENT	BNA-Water	Dinoseb	3.8	ug/L	U	3.8	15
7/7/2003 12:48	FINAL EFFLUENT	BNA-Water	Diphenylamine	2.9	ug/L	U	2.9	12
7/7/2003 12:48	FINAL EFFLUENT	BNA-Water	Endosulfan I	3.8	ug/L	U	3.8	15
7/7/2003 12:48	FINAL EFFLUENT	BNA-Water	Endosulfan II	3.8	ug/L	U	3.8	15
7/7/2003 12:48	FINAL EFFLUENT	BNA-Water	Endosulfan sulfate	1.4	ug/L	U	1.4	5.8
7/7/2003 12:48	FINAL EFFLUENT	BNA-Water	Endrin	1.4	ug/L	UJ	1.4	5.8
7/7/2003 12:48	FINAL EFFLUENT	BNA-Water	Endrin aldehyde	3.8	ug/L	U	3.8	15
7/7/2003 12:48	FINAL EFFLUENT	BNA-Water	Ethyl methanesulfonate	0.96	ug/L	U	0.96	3.8
7/7/2003 12:48	FINAL EFFLUENT	BNA-Water	Fluoranthene	0.96	ug/L	U	0.96	3.8
7/7/2003 12:48	FINAL EFFLUENT	BNA-Water	Fluorene	0.96	ug/L	U	0.96	3.8
7/7/2003 12:48	FINAL EFFLUENT	BNA-Water	Heptachlor	1.4	ug/L	U	1.4	5.8

Date Sampled	Field ID	Analysis Group	Component	Result	Units	Remark	MDL	PQL
7/7/2003 12:48	FINAL EFFLUENT	BNA-Water	Heptachlor epoxide	1.4	ug/L	U	1.4	5.8
7/7/2003 12:48	FINAL EFFLUENT	BNA-Water	Hexachlorobenzene	0.96	ug/L	U	0.96	3.8
7/7/2003 12:48	FINAL EFFLUENT	BNA-Water	Hexachlorobutadiene	2.9	ug/L	U	2.9	12
7/7/2003 12:48	FINAL EFFLUENT	BNA-Water	Hexachlorocyclopentadiene	2.9	ug/L	U	2.9	12
7/7/2003 12:48	FINAL EFFLUENT	BNA-Water	Hexachloroethane	2.9	ug/L	U	2.9	12
7/7/2003 12:48	FINAL EFFLUENT	BNA-Water	Hexachloropropene	1.9	ug/L	UJ	1.9	7.7
7/7/2003 12:48	FINAL EFFLUENT	BNA-Water	Indeno(1,2,3-cd)pyrene	0.96	ug/L	U	0.96	3.8
7/7/2003 12:48	FINAL EFFLUENT	BNA-Water	Isophorone	0.96	ug/L	U	0.96	3.8
7/7/2003 12:48	FINAL EFFLUENT	BNA-Water	Isosafrole	0.96	ug/L	UJ	0.96	3.8
7/7/2003 12:48	FINAL EFFLUENT	BNA-Water	Methapyrilene	3.8	ug/L	UJ	3.8	15
7/7/2003 12:48	FINAL EFFLUENT	BNA-Water	Methyl methanesulfonate	0.96	ug/L	UJ	0.96	3.8
7/7/2003 12:48	FINAL EFFLUENT	BNA-Water	N-Nitrosodi-n-butylamine	0.96	ug/L	U	0.96	3.8
7/7/2003 12:48	FINAL EFFLUENT	BNA-Water	N-Nitrosodi-n-propylamine	1.9	ug/L	U	1.9	7.7
7/7/2003 12:48	FINAL EFFLUENT	BNA-Water	N-Nitrosodiethylamine	0.96	ug/L	U	0.96	3.8
7/7/2003 12:48	FINAL EFFLUENT	BNA-Water	N-Nitrosodimethylamine	1.9	ug/L	UJ	1.9	7.7
7/7/2003 12:48	FINAL EFFLUENT	BNA-Water	N-Nitrosodiphenylamine	2.9	ug/L	U	2.9	12
7/7/2003 12:48	FINAL EFFLUENT	BNA-Water	N-Nitrosomethylethylamine	1.9	ug/L	U	1.9	7.7
7/7/2003 12:48	FINAL EFFLUENT	BNA-Water	N-Nitrosomorpholine	0.96	ug/L	UJ	0.96	3.8
7/7/2003 12:48	FINAL EFFLUENT	BNA-Water	N-Nitrosopiperidine	0.96	ug/L	U	0.96	3.8
7/7/2003 12:48	FINAL EFFLUENT	BNA-Water	N-Nitrosopyrrolidine	1.9	ug/L	U	1.9	7.7
7/7/2003 12:48	FINAL EFFLUENT	BNA-Water	Naphthalene	0.96	ug/L	U	0.96	3.8
7/7/2003 12:48	FINAL EFFLUENT	BNA-Water	Nitrobenzene	1.9	ug/L	U	1.9	7.7
7/7/2003 12:48	FINAL EFFLUENT	BNA-Water	Nitroquinoline-1-oxide	19	ug/L	U	19	77
7/7/2003 12:48	FINAL EFFLUENT	BNA-Water	Pentachlorobenzene	0.96	ug/L	U	0.96	3.8
7/7/2003 12:48	FINAL EFFLUENT	BNA-Water	Pentachloroethane	48	ug/L	U	48	190
7/7/2003 12:48	FINAL EFFLUENT	BNA-Water	Pentachloronitrobenzene	0.96	ug/L	UJ	0.96	3.8
7/7/2003 12:48	FINAL EFFLUENT	BNA-Water	Pentachlorophenol	2.9	ug/L	U	2.9	12
7/7/2003 12:48	FINAL EFFLUENT	BNA-Water	Phenacetin	3.8	ug/L	U	3.8	12
7/7/2003 12:48	FINAL EFFLUENT	BNA-Water	Phenanthrene	0.96	ug/L	U	0.96	3.8
7/7/2003 12:48	FINAL EFFLUENT	BNA-Water	Phenol	0.96	ug/L	U	0.96	3.8
7/7/2003 12:48	FINAL EFFLUENT	BNA-Water	Pyrene	0.96	ug/L	U	0.96	3.8
7/7/2003 12:48	FINAL EFFLUENT	BNA-Water	Pyridine	3.8	ug/L	U	3.8	15
7/7/2003 12:48	FINAL EFFLUENT	BNA-Water	Safrole	0.96	ug/L	U	0.96	3.8
7/7/2003 12:48	FINAL EFFLUENT	BNA-Water	alpha-BHC	1.4	ug/L	U	1.4	5.8
7/7/2003 12:48	FINAL EFFLUENT	BNA-Water	beta-BHC	1.4	ug/L	U	1.4	5.8
7/7/2003 12:48	FINAL EFFLUENT	BNA-Water	delta-BHC	1.4	ug/L	U	1.4	5.8
7/7/2003 12:48	FINAL EFFLUENT	BNA-Water	gamma-BHC	1.4	ug/L	U	1.4	5.8
7/7/2003 12:48	FINAL EFFLUENT	BNA-Water	m,p-Cresols	1.9	ug/L	U	1.9	7.7
7/7/2003 12:48	FINAL EFFLUENT	BNA-Water	o-Cresol	1.9	ug/L	U	1.9	7.7
7/7/2003 12:48	FINAL EFFLUENT	BNA-Water	o-Toluidine	0.96	ug/L	U	0.96	3.8
7/7/2003 12:48	FINAL EFFLUENT	GC-Water	Alachlor	0.58	ug/L	U	0.58	2.32
7/7/2003 12:48	FINAL EFFLUENT	GC-Water	Ametryn	0.048	ug/L	U	0.048	0.192
7/7/2003 12:48	FINAL EFFLUENT	GC-Water	Atrazine	0.1	ug/L	U	0.048	0.192
7/7/2003 12:48	FINAL EFFLUENT	GC-Water	Azinphos Methyl	0.048	ug/L	U	0.048	0.192
7/7/2003 12:48	FINAL EFFLUENT	GC-Water	Bromacil	0.19	ug/L	U	0.19	0.76
7/7/2003 12:48	FINAL EFFLUENT	GC-Water	Butylate	0.19	ug/L	U	0.19	0.76
7/7/2003 12:48	FINAL EFFLUENT	GC-Water	Chlorpyrifos Ethyl	0.048	ug/L	U	0.048	0.192
7/7/2003 12:48	FINAL EFFLUENT	GC-Water	Chlorpyrifos Methyl	0.096	ug/L	U	0.096	0.384
7/7/2003 12:48	FINAL EFFLUENT	GC-Water	Diazinon	0.048	ug/L	U	0.048	0.192
7/7/2003 12:48	FINAL EFFLUENT	GC-Water	Ethion	0.048	ug/L	U	0.048	0.192
7/7/2003 12:48	FINAL EFFLUENT	GC-Water	Ethoprop	0.096	ug/L	U	0.096	0.384
7/7/2003 12:48	FINAL EFFLUENT	GC-Water	Fenamiphos	0.19	ug/L	U	0.19	0.76
7/7/2003 12:48	FINAL EFFLUENT	GC-Water	Fonofos	0.096	ug/L	U	0.096	0.384
7/7/2003 12:48	FINAL EFFLUENT	GC-Water	Hexazinone	0.096	ug/L	U	0.096	0.384
7/7/2003 12:48	FINAL EFFLUENT	GC-Water	Malathion	0.14	ug/L	U	0.14	0.56
7/7/2003 12:48	FINAL EFFLUENT	GC-Water	Metalaxyl	0.24	ug/L	U	0.24	0.96
7/7/2003 12:48	FINAL EFFLUENT	GC-Water	Metolachlor	0.48	ug/L	U	0.48	1.92
7/7/2003 12:48	FINAL EFFLUENT	GC-Water	Metribuzin	0.096	ug/L	U	0.096	0.384
7/7/2003 12:48	FINAL EFFLUENT	GC-Water	Mevinphos	0.19	ug/L	U	0.19	0.76
7/7/2003 12:48	FINAL EFFLUENT	GC-Water	Naled	0.77	ug/L	U	0.77	3.08
7/7/2003 12:48	FINAL EFFLUENT	GC-Water	Norflurazon	0.096	ug/L	U	0.096	0.384
7/7/2003 12:48	FINAL EFFLUENT	GC-Water	Parathion Ethyl	0.14	ug/L	U	0.14	0.56
7/7/2003 12:48	FINAL EFFLUENT	GC-Water	Parathion Methyl	0.096	ug/L	U	0.096	0.384
7/7/2003 12:48	FINAL EFFLUENT	GC-Water	Phorate	0.048	ug/L	U	0.048	0.192

Date Sampled	Field ID	Analysis Group	Component	Result	Units	Remark	MDL	PQL
7/7/2003 12:48	FINAL EFFLUENT	GC-Water	Prometryn	0.14	ug/L	U	0.14	0.56
7/7/2003 12:48	FINAL EFFLUENT	GC-Water	Simazine	0.048	ug/L	U	0.048	0.192
7/7/2003 12:48	FINAL EFFLUENT	Metals-Water	Aluminum	29	ug/L	I	10	40
7/7/2003 12:48	FINAL EFFLUENT	Metals-Water	Arsenic	0.75	ug/L	U	0.75	3
7/7/2003 12:48	FINAL EFFLUENT	Metals-Water	Cadmium	0.07	ug/L	I	0.025	0.1
7/7/2003 12:48	FINAL EFFLUENT	Metals-Water	Calcium	43.5	mg/L		0.05	0.2
7/7/2003 12:48	FINAL EFFLUENT	Metals-Water	Chromium	4.2	ug/L	U	2	8
7/7/2003 12:48	FINAL EFFLUENT	Metals-Water	Copper	4.5	ug/L	I	1.2	4.8
7/7/2003 12:48	FINAL EFFLUENT	Metals-Water	Iron	26	ug/L	I	15	60
7/7/2003 12:48	FINAL EFFLUENT	Metals-Water	Lead	0.2	ug/L		0.05	0.2
7/7/2003 12:48	FINAL EFFLUENT	Metals-Water	Magnesium	7.7	mg/L		0.02	0.08
7/7/2003 12:48	FINAL EFFLUENT	Metals-Water	Nickel	2.8	ug/L		0.5	2
7/7/2003 12:48	FINAL EFFLUENT	Metals-Water	Selenium	8	ug/L	U	8	32
7/7/2003 12:48	FINAL EFFLUENT	Metals-Water	Silver	0.02	ug/L	U	0.02	0.08
7/7/2003 12:48	FINAL EFFLUENT	Metals-Water	Zinc	66	ug/L		4	16
7/7/2003 12:48	FINAL EFFLUENT	Nutrients-Liquid	Ammonia-N	4	mg N/L	A	0.25	0.5
7/7/2003 12:48	FINAL EFFLUENT	Nutrients-Liquid	NO2NO3-N	12	mg N/L	A	0.4	1
7/7/2003 12:48	FINAL EFFLUENT	Nutrients-Liquid	N_KJEL_TOT	6.4	mg N/L	A	0.6	2
7/7/2003 12:48	FINAL EFFLUENT	Nutrients-Liquid	O-Phosphate-P	6.6	mg P/L		0.8	2
7/7/2003 12:48	FINAL EFFLUENT	Nutrients-Liquid	Total-P	6.7	mg P/L	A	0.15	0.4

The Bioassay of the Beverly Beach (Ocean City Utilities) WWTP effluent sampled on July 7, 2003, NPDES #FL0039756.

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





The Priority Pollutants Analysis for Bioassay of the Beverly Beach (Ocean City Utilities) WWTP effluent sampled on July 7, 2003, NPDES #FL0039756.

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

