

Bioassays of

South WWTF (Green Cove Springs)

Clay County

NPDES #FL0030210

Sampled June 21, 2004

September 2004

Biology Section
Bureau of Laboratories
Division of Resource Assessment and Management

Quality Manual No. 870346G
NELAC Certification No. E31780

South Wastewater Treatment Plant (Green Cove Springs), 625 State Road 16 East, Green Cove Springs, Clay County, Florida, NPDES #FL0030210. Effluent samples for this facility were collected on June 21, 2004.

Introduction

South Green Cove Springs Wastewater Treatment Plant is a 0.500 Million Gallons per Day (MGD) annual average daily flow (AADF), conventional activated-sludge (complete mix) wastewater treatment facility with Class I reliability. Flow preceding time of sampling was 0.209 MGD (average of January-May 2004). Treatment consists of a bar screen at the splitter box; two aeration basins (131,350 gallons each); two clarifiers (one redundant and currently not in use) at 1,256 square feet each; one aerobic digester (102,480 gallons); two chlorine contact basins (26,570 gallons total); disinfection using chlorine solution; dechlorination using sulfur dioxide solution; and four sludge drying beds (2,500 square feet each). The sample locations are EFA -1 before dechlorination, at the end of the chlorine contact chamber, and EFD – 1 after dechlorination.

The discharge to is to the St. Johns River (Class III fresh waters) at Discharge Location (D-001) which is approximately 600 feet in length and discharges at a depth of approximately 5 feet. The point of discharge is located approximately at latitude 29° 59' 27" N, longitude 81° 39' 34" W. Sludge from the drying beds is removed and transferred to the Rosemary Hill Landfill transfer station for ultimate disposal at a landfill (currently the West Nassau County Landfill) in exchange for the treatment plant handling leachate generated by the closed Rosemary Hill Landfill. (Facility summary provided by Brian Kelsay, FDEP Northeast, Jacksonville.)

Methods

Samples were collected from the D-001 EFD-1 NPDES sampling point by Pat O'Connor and Sharon Evans (FDEP Northeast District) following DEP-SOP-001/01 FS 2400 Wastewater Sampling. All DEP SOP's are available on the web at: http://www.floridadep.org/labs/qa/sops.htm

The 48-hour acute screening toxicity tests and algal growth potential test were performed following internal DEP SOP's TA07_01,TA07_02, and TA08_01 through TA08_07. All internal DEP SOP's are available on the web at: http://www.floridadep.org/labs/cgi-bin/sop/biosop.asp. While the 48-hour acute screening toxicity tests do not reflect the permit required conditions, the Department uses it to provide reasonable assurance that the facility does not adversely affect waters of the state.

Toxicity Test Results

Tests were performed June 22-24, 2004.

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

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

See Appendix 1 for bioassay bench sheets.

*NOTE: In a 48-hr acute screening test of 100% effluent, mortality of <20% provides reasonable assurance that the effluent meets the acute toxicity criterion of Florida's Surface Water Quality Standards (Rule 62-302.500 (1)(a)4, F.A.C.). Mortality between 20-50% mortality indicates low to moderate levels of toxicity, and further action may be required. Mortality of >50% provides reasonable assurance that the effluent fails to meet the minimum requirement to discharge to waters of the state (Rule 62-4.244(3)(a), F.A.C.).

Algal Growth Potential

The effluent AGP was 154 mg dry wt/L of the unicellular green alga, *Pseudokirchneriella subcapitata*, formerly known as *Selenastrum capricornutum*. Raschke and Shultz (1987) found that Algal Growth Potential (AGP) values above 5.0 mg dry weight/L represent a “problem” threshold for fresh receiving waters, implying nutrient enrichment. The analytical chemistry suggests that the effluent is nitrogen-limited. The predicted AGP based on nitrogen and phosphorus concentrations was 399 (±20%) mg dry wt/L (Table 1). Differences between actual and predicted AGP values greater than an order of magnitude are considered sufficient evidence to warrant follow up testing with the algal growth inhibition bioassay. Should algal growth inhibition be suspected, the district should request that the algal growth inhibition test be performed as a follow-up to the inspection.

See Table 1 for AGP results.

Chemistry Results

Total residual chlorine was not detected in the bioassay sample in the laboratory. Total ammonia was detected in the bioassay sample in the laboratory at 1.34 mg/L. The total ammonia concentration in the sample collected and preserved for chemical analysis was 1.3 mg/L. Based upon the temperature, pH, and salinity of the effluent as collected, the calculated unionized ammonia concentration was 0.014 mg/L.

Copper, lead, and nickel were detected between the MDL and PQL. Aluminum, iron, and zinc were detected at levels that met the surface water quality standards (62-302, F.A.C.).

See Table 2 for results of analytes detected in the effluent, and corresponding limits.

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

Conclusion

The effluent samples collected from the D-001 EFD-1 NPDES sampling site for this facility on June 21, 2004, did not show acute toxicity to either test species during the 48-hour bioassay tests. The effluent AGP result exceeded the "problem” threshold for fresh receiving waters.

Literature Cited

Raschke, R. L. and D. A. Schultz. 1987. The use of the algal growth potential test for data assessment. J. Wat. Poll. Cont. Fed. 59(4): 222-227.

Table 1. Measured and predicted algal growth potential (AGP) for total soluble inorganic nitrogen (TSIN) limitation for the sample of effluent collected from the South Green Cove Springs WWTF on June 21, 2004.

Location	AGP (measured)	Predicted AGP (TSIN) ± 20%	Inorganic N:P ratio
Effluent (mg dry wt/L)	154.0	399.0 ± 79.8	3.0

Table 2. *Effluent limits, Class III Criteria, and chemical data from samples collected from the South Green Cove Springs WWTF on June 21, 2004.*

South Green Cove Springs WWTF	Class III Fresh Water Standards	Effluent Limits	Effluent Samples
Organic Constituents (µg/L)			
None Detected	-	-	-
Metals (µg/L unless otherwise noted)			
Aluminum	≤ 1500	-	37
Arsenic	≤ 50	-	5 U
Cadmium	≤ 1.8 b	-	0.15 U
Calcium (mg/L)	-	-	43
Chromium-III	≤ 139.6 b	-	2 U
Copper	≤ 15.4 b	-	2.9 I
Iron	≤ 1000	-	61
Lead	≤ 6.7 b	-	0.5 I
Magnesium (mg/L)	-	-	17.7
Nickel	≤ 85.9 b	-	2.8 I
PAH	-	-	0 c
Selenium	≤ 5	-	0.5 U
Silver	≤ 0.07	-	0.15 U
Zinc	≤ 197.4 b	-	61.7
Nutrients (mg/L)			
Ortho-phosphate	-	Report	3.5
Total Phosphorus	-	Report	3.2 A
Ammonia	-	Report	1.3 A
Unionized Ammonia	≤ 0.02	≤ 0.02	0 c
Nitrate+Nitrite	-	Report	9.2 A
Total Kjeldahl Nitrogen	-	Report	2.3 A
Organic Nitrogen	-	-	1 c
Total Nitrogen	-	Report	11.5 c
General Physical and Chemical Parameters			
Dissolved Oxygen (mg/L)	≥ 5	≥ 5	7.2
pH (S.U.)	6.0 - 8.5	6.0 - 8.5	6.6
Conductivity (umhos/cm)	≤ 1275	Report	590
Temperature (C)	-	Report	28.7
Hardness (mg/L)	-	-	180.3 c
Total Residual Chlorine (lab)	≤ 0.01	≤ 0.01	<0.03
AGP (mg DryWt/L)	-	Report	154

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

b - Value is calculated based on hardness

c - calculated value

A - Value reported is the mean of two or more determinations

I - The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit

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

FDEP Biology Section - Acute Bioassay Bench Sheets

Facility: Green Cove Springs South WWTP

Address: 3 miles east of US 17 and State Road 16

City: Green Cove Springs County: CLAY

Contact/District: P. O'Connor NORTHEAST

NPDES Permit #: FL0030210

LIMS Job #: TH-2004-06-22-26 LIMS Sample #: 762486

Sample Collection: Date: 6/21/04 Time: 1230

Hold time Start: Date: 6/21/04 Time: 1230

Comments:

Lims Data Entry: 6-24-04 CAP

Data Entry Verification: 6-24-04 MF

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

Test Type: (Screening)/Definitive

(Static) / Static Renewal / Flow-through

Test Duration: (48) 96 Hours.

Light Intensity : 50 - 100 ft. candles.

Photoperiod : 16 hours light 8 hours dark.

Initial sample handling:

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

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

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

Aeration : yes (no) Initial DO: mg/L Final DO: mg/L Duration: minutes Rate: ~ bubbles/min

Salinity adjusted (Test 1): yes (no) Initial Salinity: Final Salinity: Salts Hypersaline brine

Salinity adjusted (Test 2): yes (no) Initial Salinity: Final Salinity: Salts Hypersaline brine

Dechlorination: yes (no) mL of 0.025N Sodium Thiosulfate per liter of sample. Final TRC

Temperature Range °C
Incubator # 3 Range 24-24.5°C
Room B246: 24-26°C
Waterbath: N/A

Sample Validation:

Temperature: Shipped ≤6°C (Yes) No Hand Delivered: Cooling (received °C < collected °C) Yes No

Holding Time: ≤36 Hours (Yes) No (Composite-end of collection; grab-when collected; 4 in 24 - time last sample collected)

Investigators' Signatures

Christa Leeuni

Dennis Nicholson

Sarah Pritchard

Marshall Brinkley

Jesse David

REVIEWER

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Water Quality Parameters	DW 20% DMW	20% DMW Well Water	Salt Water ASW NSW Test 1	Salt Water ASW NSW Test 2	#14 Moderately Hard Water	Original Sample	Method	Measured by	Verified by
Field Total Residual Cl2 (mg/L):	N/A	N/A	N/A	N/A	N/A	not measured	—	CAP	
Lab Total Residual Cl2 (mg/L):		<0.03			<0.03	<0.03	HACH	CAP	MF
Alkalinity (mg/L as $CaCO_3$):		89			79	77	HACH	CAP	MF
Hardness (mg/L as $CaCO_3$):		100			99	176	HACH	CAP	MF
Total Ammonia (mg/L as N):		<0.017			<0.017	1.34	DENVER	DN	MF
Salinity (ppt):		<1			<1	<1	YSI	CAP	MF

FDEP Biology Section - - Bioassay Bench Sheet
Survival

LIMS Sample #: 762486 Test #: 1 Test Started: Date 6/22/04 Time: 1500
Organism: C. dubia Test Ended: Date 6/24/04 Time: 1405
Organism Batch: 22 Diluent/ Batch: 20% DMW / 22
Organism Age: <24 hours Food: (YCT) (P. subcapitata) Artemia
Chamber Size 30 mL Batch: 5 27
Test Volume 20 mL
Feeding: (Prior to test) - Prior to renewal - Daily

Concentration	Replicate	Chamber #	Test Hour 0 hr	24 hr	48 hr BR	48 hr AR	72 hr	96 hr
CTRL	A		5	5	5			
	B		5	5	5			
	C		5	5	4 1m			
	D		5	5	5			
100%	A		5	5	5			
	B		5	5	5			
	C		5	5	5			
	D		5	5	5			
Organisms loaded by: MF / Loading Verified by: JD		Checked by: (initials)	JD	DN	MF			

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

Comments:

Test Results:
% mortality in 100% sample 0
LC50: >100% If Calculated: 95% CI ______ Method: ______

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

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FDEP Biology Section - - Bioassay Bench Sheet
Survival

LIMS Sample #: 762486 **Test #:** 2 **Test Started: Date** 6/22/04 **Time:** 1405
Organism: ~~P. promelas~~ C. leedsi Well/NA **Test Ended: Date** 6/24/04 **Time:** 1400
Organism Batch: B **Diluent/ Batch:** ~~MHW~~ / ~~14~~
Organism Age: 12 days (20) **Food:** YCT *P. subcapitata* (*Artemia*)
Chamber Size 1000 **mL** **Batch:** ___ ___ 0194042SG
Test Volume 500 **mL** **Feeding:** (Prior to test) - Prior to renewal - Daily

Concentration	Replicate	Chamber #	Test Hour: 0 hr	24 hr	48 hr BR	48 hr AR	72 hr	96 hr
CTRL	A	A1	5	5	5			
	B	A2	5	5	5			
	C	A3	5	5	5			
	D	A4	5	5	5			
100%	A	A5	5	5	5			
	B	A6	5	5	5			
	C	A7	5	5	5			
	D	A8	5	5	5			

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

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

Test Results:
% mortality in 100% sample 0
LC_{50}: >100% If Calculated: 95% CI ______ Method: ______

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

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Bioassay Parameters

LIMS Sample # : 762486 **Test # :** 1 **of** 2

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

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Concentration CTRL	0 Hr.	24 Hr.	48 Hr. before renewal	48 Hr. after renewal	72 Hr.	96 Hr.
Replicate	A		B			
pH (S.U.)	8.2		7.9			
Temperature °C	25.8		24.3			
Dissolved Oxygen mg/L	7.5		6.7			
Conductivity (µmhos) mmhos	175		244			
(initials) Measured by:	CAP		JD			
(initials) Recorded by:	CAP		JD			

Comments:

Concentration 100%	0 Hr.	24 Hr.	48 Hr. before renewal	48 Hr. after renewal	72 Hr.	96 Hr.
Replicate	A		B			
pH (S.U.)	6.8		7.9			
Temperature °C	25.6		24.3			
Dissolved Oxygen mg/L	7.4		7.0			
Conductivity (µmhos) mmhos	560		614			
(initials) Measured by:	CAP		JD			
(initials) Recorded by:	CAP		JD			

Comments:

Concentration	0 Hr.	24 Hr.	48 Hr. before renewal	48 Hr. after renewal	72 Hr.	96 Hr.
Replicate						
pH (S.U.)						
Temperature °C						
Dissolved Oxygen mg/L						
Conductivity µmhos mmhos						
(initials) Measured by:						
(initials) Recorded by:						

Comments:

Concentration	0 Hr.	24 Hr.	48 Hr. before renewal	48 Hr. after renewal	72 Hr.	96 Hr.
Replicate						
pH (S.U.)						
Temperature °C						
Dissolved Oxygen mg/L						
Conductivity µmhos mmhos						
(initials) Measured by:						
(initials) Recorded by:						

Comments:

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Bioassay Parameters

LIMS Sample # : 762486 **Test # :** 2 **of** 2

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

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Concentration CTRL	0 Hr.	24 Hr.	48 Hr. before renewal	48 Hr. after renewal	72 Hr.	96 Hr.
Replicate	A	B	A			
pH (S.U.)	8.0	8.2	8.2			
Temperature °C	25.3	24.7	25.6			
Dissolved Oxygen mg/L	7.9	7.2	7.4			
Conductivity ~~µmhos~~ mmhos	295	264	308			
(initials) Measured by:	CAP	SP	JD			
(initials) Recorded by:	CAP	SP	JD			

Comments:

Concentration 100%	0 Hr.	24 Hr.	48 Hr. before renewal	48 Hr. after renewal	72 Hr.	96 Hr.
Replicate	A	B	A			
pH (S.U.)	6.9	7.7	7.9			
Temperature °C	25.3	25.2	25.6			
Dissolved Oxygen mg/L	7.8	7.0	7.2			
Conductivity ~~µmhos~~ mmhos	560	597	588			
(initials) Measured by:	CAP	SP	JD			
(initials) Recorded by:	CAP	SP	JD			

Comments:

Concentration	0 Hr.	24 Hr.	48 Hr. before renewal	48 Hr. after renewal	72 Hr.	96 Hr.
Replicate						
pH (S.U.)						
Temperature °C						
Dissolved Oxygen mg/L						
Conductivity µmhos mmhos						
(initials) Measured by:						
(initials) Recorded by:						

Comments:

Concentration	0 Hr.	24 Hr.	48 Hr. before renewal	48 Hr. after renewal	72 Hr.	96 Hr.
Replicate						
pH (S.U.)						
Temperature °C						
Dissolved Oxygen mg/L						
Conductivity µmhos mmhos						
(initials) Measured by:						
(initials) Recorded by:						

Comments:

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Appendix 2. Chemical Analyses performed on the effluent from the South Green Cove Springs Wastewater Treatment Plant Outfall D001, sampled on June 21, 2004.

DATE SAMPLED	FIELD ID	ANALYSIS GROUP	COMPONENT	RESULT	UNITS	REMARK	MDL	PQL
6/21/2004 7:20	EQUIP BLK	BNA-Water	1,2,4-Trichlorobenzene	0.94	ug/L	U	0.94	3.8
6/21/2004 7:20	EQUIP BLK	BNA-Water	1,2-Dichlorobenzene	0.94	ug/L	U	0.94	3.8
6/21/2004 7:20	EQUIP BLK	BNA-Water	1,3-Dichlorobenzene	0.94	ug/L	U	0.94	3.8
6/21/2004 7:20	EQUIP BLK	BNA-Water	1,4-Dichlorobenzene	0.94	ug/L	U	0.94	3.8
6/21/2004 7:20	EQUIP BLK	BNA-Water	2,4,6-Trichlorophenol	0.94	ug/L	U	0.94	3.8
6/21/2004 7:20	EQUIP BLK	BNA-Water	2,4-Dichlorophenol	0.94	ug/L	U	0.94	3.8
6/21/2004 7:20	EQUIP BLK	BNA-Water	2,4-Dimethylphenol	47	ug/L	U	47	190
6/21/2004 7:20	EQUIP BLK	BNA-Water	2,4-Dinitrophenol	14	ug/L	U	14	57
6/21/2004 7:20	EQUIP BLK	BNA-Water	2,4-Dinitrotoluene	0.94	ug/L	U	0.94	3.8
6/21/2004 7:20	EQUIP BLK	BNA-Water	2,6-Dinitrotoluene	0.94	ug/L	U	0.94	3.8
6/21/2004 7:20	EQUIP BLK	BNA-Water	2-Chloronaphthalene	0.94	ug/L	U	0.94	3.8
6/21/2004 7:20	EQUIP BLK	BNA-Water	2-Chlorophenol	0.94	ug/L	U	0.94	3.8
6/21/2004 7:20	EQUIP BLK	BNA-Water	2-Methyl-4,6-dinitrophenol	2.8	ug/L	U	2.8	11
6/21/2004 7:20	EQUIP BLK	BNA-Water	2-Nitrophenol	0.94	ug/L	U	0.94	3.8
6/21/2004 7:20	EQUIP BLK	BNA-Water	3,3'-Dichlorobenzidine	38	ug/L	U	38	150
6/21/2004 7:20	EQUIP BLK	BNA-Water	4,4'-DDD	1.4	ug/L	U	1.4	5.7
6/21/2004 7:20	EQUIP BLK	BNA-Water	4,4'-DDE	1.4	ug/L	U	1.4	5.7
6/21/2004 7:20	EQUIP BLK	BNA-Water	4,4'-DDT	1.4	ug/L	U	1.4	5.7
6/21/2004 7:20	EQUIP BLK	BNA-Water	4-Bromophenyl phenyl ether	0.94	ug/L	U	0.94	3.8
6/21/2004 7:20	EQUIP BLK	BNA-Water	4-Chloro-3-methylphenol	0.94	ug/L	U	0.94	3.8
6/21/2004 7:20	EQUIP BLK	BNA-Water	4-Chlorophenyl phenyl ether	1.9	ug/L	U	1.9	7.5
6/21/2004 7:20	EQUIP BLK	BNA-Water	4-Nitrophenol	14	ug/L	U	14	57
6/21/2004 7:20	EQUIP BLK	BNA-Water	Acenaphthene	0.94	ug/L	U	0.94	3.8
6/21/2004 7:20	EQUIP BLK	BNA-Water	Acenaphthylene	0.94	ug/L	U	0.94	3.8
6/21/2004 7:20	EQUIP BLK	BNA-Water	Aldrin	1.4	ug/L	U	1.4	5.7
6/21/2004 7:20	EQUIP BLK	BNA-Water	alpha-BHC	1.4	ug/L	U	1.4	5.7
6/21/2004 7:20	EQUIP BLK	BNA-Water	Anthracene	0.94	ug/L	U	0.94	3.8
6/21/2004 7:20	EQUIP BLK	BNA-Water	Benzidine	94	ug/L	U	94	380
6/21/2004 7:20	EQUIP BLK	BNA-Water	Benzo(a)anthracene	0.94	ug/L	U	0.94	3.8
6/21/2004 7:20	EQUIP BLK	BNA-Water	Benzo(a)pyrene	0.94	ug/L	U	0.94	3.8
6/21/2004 7:20	EQUIP BLK	BNA-Water	Benzo(b)fluoranthene	0.94	ug/L	U	0.94	3.8
6/21/2004 7:20	EQUIP BLK	BNA-Water	Benzo(g,h,i)perylene	0.94	ug/L	U	0.94	3.8
6/21/2004 7:20	EQUIP BLK	BNA-Water	Benzo(k)fluoranthene	0.94	ug/L	U	0.94	3.8
6/21/2004 7:20	EQUIP BLK	BNA-Water	beta-BHC	1.4	ug/L	U	1.4	5.7
6/21/2004 7:20	EQUIP BLK	BNA-Water	Bis(2-chloroethoxy)methane	0.94	ug/L	U	0.94	3.8
6/21/2004 7:20	EQUIP BLK	BNA-Water	Bis(2-chloroethyl)ether	0.94	ug/L	U	0.94	3.8
6/21/2004 7:20	EQUIP BLK	BNA-Water	Bis(2-chloroisopropyl)ether	2.8	ug/L	U	2.8	11
6/21/2004 7:20	EQUIP BLK	BNA-Water	Bis(2-ethylhexyl)phthalate	14	ug/L	U	14	57
6/21/2004 7:20	EQUIP BLK	BNA-Water	Butyl benzyl phthalate	4.7	ug/L	U	4.7	19
6/21/2004 7:20	EQUIP BLK	BNA-Water	Chrysene	0.94	ug/L	U	0.94	3.8
6/21/2004 7:20	EQUIP BLK	BNA-Water	delta-BHC	1.4	ug/L	U	1.4	5.7
6/21/2004 7:20	EQUIP BLK	BNA-Water	Dibenzo(a,h)anthracene	0.94	ug/L	U	0.94	3.8
6/21/2004 7:20	EQUIP BLK	BNA-Water	Dieldrin	1.4	ug/L	U	1.4	5.7
6/21/2004 7:20	EQUIP BLK	BNA-Water	Diethyl phthalate	0.94	ug/L	U	0.94	3.8
6/21/2004 7:20	EQUIP BLK	BNA-Water	Dimethyl phthalate	47	ug/L	U	47	190
6/21/2004 7:20	EQUIP BLK	BNA-Water	Di-n-butyl phthalate	4.7	ug/L	U	4.7	19
6/21/2004 7:20	EQUIP BLK	BNA-Water	Di-n-octyl phthalate	0.94	ug/L	U	0.94	3.8
6/21/2004 7:20	EQUIP BLK	BNA-Water	Endosulfan I	3.8	ug/L	U	3.8	15
6/21/2004 7:20	EQUIP BLK	BNA-Water	Endosulfan II	3.8	ug/L	U	3.8	15
6/21/2004 7:20	EQUIP BLK	BNA-Water	Endosulfan sulfate	1.4	ug/L	U	1.4	5.7
6/21/2004 7:20	EQUIP BLK	BNA-Water	Endrin	1.4	ug/L	UJ	1.4	5.7
6/21/2004 7:20	EQUIP BLK	BNA-Water	Endrin aldehyde	3.8	ug/L	U	3.8	15
6/21/2004 7:20	EQUIP BLK	BNA-Water	Fluoranthene	0.94	ug/L	U	0.94	3.8
6/21/2004 7:20	EQUIP BLK	BNA-Water	Fluorene	0.94	ug/L	U	0.94	3.8
6/21/2004 7:20	EQUIP BLK	BNA-Water	gamma-BHC	1.4	ug/L	U	1.4	5.7
6/21/2004 7:20	EQUIP BLK	BNA-Water	Heptachlor	1.4	ug/L	U	1.4	5.7
6/21/2004 7:20	EQUIP BLK	BNA-Water	Heptachlor epoxide	1.4	ug/L	U	1.4	5.7
6/21/2004 7:20	EQUIP BLK	BNA-Water	Hexachlorobenzene	0.94	ug/L	U	0.94	3.8
6/21/2004 7:20	EQUIP BLK	BNA-Water	Hexachlorobutadiene	2.8	ug/L	U	2.8	11
6/21/2004 7:20	EQUIP BLK	BNA-Water	Hexachlorocyclopentadiene	2.8	ug/L	U	2.8	11
6/21/2004 7:20	EQUIP BLK	BNA-Water	Hexachloroethane	2.8	ug/L	U	2.8	11
6/21/2004 7:20	EQUIP BLK	BNA-Water	Indeno(1,2,3-cd)pyrene	0.94	ug/L	U	0.94	3.8
6/21/2004 7:20	EQUIP BLK	BNA-Water	Isophorone	0.94	ug/L	U	0.94	3.8
6/21/2004 7:20	EQUIP BLK	BNA-Water	Naphthalene	0.94	ug/L	U	0.94	3.8
6/21/2004 7:20	EQUIP BLK	BNA-Water	Nitrobenzene	1.9	ug/L	U	1.9	7.5
6/21/2004 7:20	EQUIP BLK	BNA-Water	N-Nitrosodimethylamine	1.9	ug/L	U	1.9	7.5
6/21/2004 7:20	EQUIP BLK	BNA-Water	N-Nitrosodi-n-propylamine	1.9	ug/L	U	1.9	7.5
6/21/2004 7:20	EQUIP BLK	BNA-Water	N-Nitrosodiphenylamine	2.8	ug/L	U	2.8	11
6/21/2004 7:20	EQUIP BLK	BNA-Water	Pentachlorophenol	2.8	ug/L	U	2.8	11
6/21/2004 7:20	EQUIP BLK	BNA-Water	Phenanthrene	0.94	ug/L	U	0.94	3.8
6/21/2004 7:20	EQUIP BLK	BNA-Water	Phenol	0.94	ug/L	U	0.94	3.8

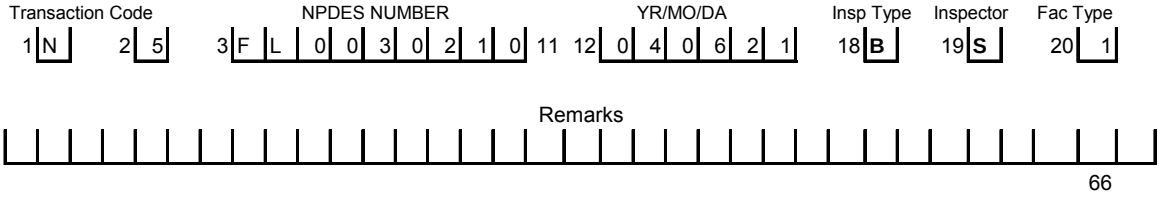
6/21/2004 7:20	EQUIP BLK	BNA-Water	Pyrene	0.94	ug/L	U	0.94	3.8
6/21/2004 7:20	EQUIP BLK	GC-Water	Alachlor	0.57	ug/L	U	0.57143	2.29
6/21/2004 7:20	EQUIP BLK	GC-Water	Ametryn	0.048	ug/L	U	0.047619	0.19
6/21/2004 7:20	EQUIP BLK	GC-Water	Atrazine	0.048	ug/L	U	0.047619	0.19
6/21/2004 7:20	EQUIP BLK	GC-Water	Azinphos Methyl	0.048	ug/L	U	0.047619	0.19
6/21/2004 7:20	EQUIP BLK	GC-Water	Bromacil	0.19	ug/L	U	0.19048	0.762
6/21/2004 7:20	EQUIP BLK	GC-Water	Butylate	0.19	ug/L	U	0.19048	0.762
6/21/2004 7:20	EQUIP BLK	GC-Water	Chlorpyrifos Ethyl	0.048	ug/L	U	0.047619	0.19
6/21/2004 7:20	EQUIP BLK	GC-Water	Chlorpyrifos Methyl	0.095	ug/L	U	0.095238	0.381
6/21/2004 7:20	EQUIP BLK	GC-Water	Diazinon	0.048	ug/L	UJ	0.047619	0.19
6/21/2004 7:20	EQUIP BLK	GC-Water	Ethion	0.048	ug/L	U	0.047619	0.19
6/21/2004 7:20	EQUIP BLK	GC-Water	Ethoprop	0.095	ug/L	U	0.095238	0.381
6/21/2004 7:20	EQUIP BLK	GC-Water	Fenamiphos	0.19	ug/L	U	0.19048	0.762
6/21/2004 7:20	EQUIP BLK	GC-Water	Fonofos	0.095	ug/L	U	0.095238	0.381
6/21/2004 7:20	EQUIP BLK	GC-Water	Hexazinone	0.095	ug/L	U	0.095238	0.381
6/21/2004 7:20	EQUIP BLK	GC-Water	Malathion	0.14	ug/L	U	0.14286	0.571
6/21/2004 7:20	EQUIP BLK	GC-Water	Metalaxyl	0.24	ug/L	U	0.2381	0.952
6/21/2004 7:20	EQUIP BLK	GC-Water	Metolachlor	0.48	ug/L	U	0.47619	1.9
6/21/2004 7:20	EQUIP BLK	GC-Water	Metribuzin	0.095	ug/L	U	0.095238	0.381
6/21/2004 7:20	EQUIP BLK	GC-Water	Mevinphos	0.19	ug/L	UJ	0.19048	0.762
6/21/2004 7:20	EQUIP BLK	GC-Water	Naled	0.76	ug/L	UJ	0.7619	3.05
6/21/2004 7:20	EQUIP BLK	GC-Water	Norflurazon	0.095	ug/L	U	0.095238	0.381
6/21/2004 7:20	EQUIP BLK	GC-Water	Parathion Ethyl	0.14	ug/L	U	0.14286	0.571
6/21/2004 7:20	EQUIP BLK	GC-Water	Parathion Methyl	0.095	ug/L	U	0.095238	0.381
6/21/2004 7:20	EQUIP BLK	GC-Water	Phorate	0.048	ug/L	U	0.047619	0.19
6/21/2004 7:20	EQUIP BLK	GC-Water	Prometryn	0.14	ug/L	U	0.14286	0.571
6/21/2004 7:20	EQUIP BLK	GC-Water	Simazine	0.048	ug/L	U	0.047619	0.19
6/21/2004 7:20	EQUIP BLK	Metals-Water	Aluminum	5	ug/L	U	5	20
6/21/2004 7:20	EQUIP BLK	Metals-Water	Arsenic	5	ug/L	U	5	20
6/21/2004 7:20	EQUIP BLK	Metals-Water	Cadmium	0.15	ug/L	U	0.15	0.6
6/21/2004 7:20	EQUIP BLK	Metals-Water	Calcium	0.05	mg/L	U	0.05	0.2
6/21/2004 7:20	EQUIP BLK	Metals-Water	Chromium	2	ug/L	U	2	8
6/21/2004 7:20	EQUIP BLK	Metals-Water	Copper	1	ug/L	U	1	4
6/21/2004 7:20	EQUIP BLK	Metals-Water	Iron	5	ug/L	U	5	20
6/21/2004 7:20	EQUIP BLK	Metals-Water	Lead	0.14	ug/L	U	0.14	0.56
6/21/2004 7:20	EQUIP BLK	Metals-Water	Magnesium	0.02	mg/L	U	0.02	0.08
6/21/2004 7:20	EQUIP BLK	Metals-Water	Nickel	2	ug/L	U	2	8
6/21/2004 7:20	EQUIP BLK	Metals-Water	Selenium	0.5	ug/L	U	0.5	2
6/21/2004 7:20	EQUIP BLK	Metals-Water	Silver	0.01	ug/L	U	0.01	0.04
6/21/2004 7:20	EQUIP BLK	Metals-Water	Zinc	2	ug/L	U	2	8
6/21/2004 7:20	EQUIP BLK	Nutrients-Liquid	Ammonia-N	0.01	mg N/L	U	0.01	0.02
6/21/2004 7:20	EQUIP BLK	Nutrients-Liquid	N_KJEL_TOT	0.06	mg N/L	U	0.06	0.2
6/21/2004 7:20	EQUIP BLK	Nutrients-Liquid	NO2NO3-N	0.004	mg N/L	U	0.004	0.01
6/21/2004 7:20	EQUIP BLK	Nutrients-Liquid	O-Phosphate-P	0.004	mg P/L	U	0.004	0.01
6/21/2004 7:20	EQUIP BLK	Nutrients-Liquid	Total-P	0.02	mg P/L	U	0.02	0.06
6/21/2004 12:30	SOUTH GREEN COVE	Bio-AGP/LimNut	Algal Growth Potential	154	mg DryWt/L		0.1	0.3
6/21/2004 12:30	SOUTH GREEN COVE	Bio-Chl-a	Chlorophyll-A, Monochromatic, Water	0.85	ug/L	U	0.85	2.6
6/21/2004 12:30	SOUTH GREEN COVE	Bio-Chl-a	Phaeophytin-A, Monochromatic, Water	0.85	ug/L	U	0.85	2.6
6/21/2004 12:30	SOUTH GREEN COVE	Bio-Toxicology	Bioassay-Acute-Screen-FW-C.dubia, LC50	100	LC50	L		
6/21/2004 12:30	SOUTH GREEN COVE	Bio-Toxicology	Bioassay-Acute-Screen-FW-Fish, LC50	100	LC50	L		
6/21/2004 12:30	SOUTH GREEN COVE	BNA-Water	1,2,4-Trichlorobenzene	1	ug/L	U	1	4
6/21/2004 12:30	SOUTH GREEN COVE	BNA-Water	1,2-Dichlorobenzene	1	ug/L	U	1	4
6/21/2004 12:30	SOUTH GREEN COVE	BNA-Water	1,3-Dichlorobenzene	1	ug/L	U	1	4
6/21/2004 12:30	SOUTH GREEN COVE	BNA-Water	1,4-Dichlorobenzene	1	ug/L	U	1	4
6/21/2004 12:30	SOUTH GREEN COVE	BNA-Water	2,4,6-Trichlorophenol	1	ug/L	U	1	4
6/21/2004 12:30	SOUTH GREEN COVE	BNA-Water	2,4-Dichlorophenol	1	ug/L	U	1	4
6/21/2004 12:30	SOUTH GREEN COVE	BNA-Water	2,4-Dimethylphenol	51	ug/L	U	51	200
6/21/2004 12:30	SOUTH GREEN COVE	BNA-Water	2,4-Dinitrophenol	15	ug/L	U	15	61
6/21/2004 12:30	SOUTH GREEN COVE	BNA-Water	2,4-Dinitrotoluene	1	ug/L	U	1	4
6/21/2004 12:30	SOUTH GREEN COVE	BNA-Water	2,6-Dinitrotoluene	1	ug/L	U	1	4
6/21/2004 12:30	SOUTH GREEN COVE	BNA-Water	2-Chloronaphthalene	1	ug/L	U	1	4
6/21/2004 12:30	SOUTH GREEN COVE	BNA-Water	2-Chlorophenol	1	ug/L	U	1	4
6/21/2004 12:30	SOUTH GREEN COVE	BNA-Water	2-Methyl-4,6-dinitrophenol	3	ug/L	U	3	12
6/21/2004 12:30	SOUTH GREEN COVE	BNA-Water	2-Nitrophenol	1	ug/L	U	1	4
6/21/2004 12:30	SOUTH GREEN COVE	BNA-Water	3,3'-Dichlorobenzidine	40	ug/L	U	40	160
6/21/2004 12:30	SOUTH GREEN COVE	BNA-Water	4,4'-DDD	1.5	ug/L	U	1.5	6.1
6/21/2004 12:30	SOUTH GREEN COVE	BNA-Water	4,4'-DDE	1.5	ug/L	U	1.5	6.1
6/21/2004 12:30	SOUTH GREEN COVE	BNA-Water	4,4'-DDT	1.5	ug/L	U	1.5	6.1
6/21/2004 12:30	SOUTH GREEN COVE	BNA-Water	4-Bromophenyl phenyl ether	1	ug/L	U	1	4
6/21/2004 12:30	SOUTH GREEN COVE	BNA-Water	4-Chloro-3-methylphenol	1	ug/L	U	1	4
6/21/2004 12:30	SOUTH GREEN COVE	BNA-Water	4-Chlorophenyl phenyl ether	2	ug/L	U	2	8.1
6/21/2004 12:30	SOUTH GREEN COVE	BNA-Water	4-Nitrophenol	15	ug/L	U	15	61
6/21/2004 12:30	SOUTH GREEN COVE	BNA-Water	Acenaphthene	1	ug/L	U	1	4
6/21/2004 12:30	SOUTH GREEN COVE	BNA-Water	Acenaphthylene	1	ug/L	U	1	4
6/21/2004 12:30	SOUTH GREEN COVE	BNA-Water	Aldrin	1.5	ug/L	U	1.5	6.1

6/21/2004 12:30	SOUTH GREEN COVE	BNA-Water	alpha-BHC	1.5	ug/L	U	1.5	6.1
6/21/2004 12:30	SOUTH GREEN COVE	BNA-Water	Anthracene	1	ug/L	U	1	4
6/21/2004 12:30	SOUTH GREEN COVE	BNA-Water	Benzidine	100	ug/L	U	100	400
6/21/2004 12:30	SOUTH GREEN COVE	BNA-Water	Benzo(a)anthracene	1	ug/L	U	1	4
6/21/2004 12:30	SOUTH GREEN COVE	BNA-Water	Benzo(a)pyrene	1	ug/L	U	1	4
6/21/2004 12:30	SOUTH GREEN COVE	BNA-Water	Benzo(b)fluoranthene	1	ug/L	U	1	4
6/21/2004 12:30	SOUTH GREEN COVE	BNA-Water	Benzo(g,h,i)perylene	1	ug/L	U	1	4
6/21/2004 12:30	SOUTH GREEN COVE	BNA-Water	Benzo(k)fluoranthene	1	ug/L	U	1	4
6/21/2004 12:30	SOUTH GREEN COVE	BNA-Water	beta-BHC	1.5	ug/L	U	1.5	6.1
6/21/2004 12:30	SOUTH GREEN COVE	BNA-Water	Bis(2-chloroethoxy)methane	1	ug/L	U	1	4
6/21/2004 12:30	SOUTH GREEN COVE	BNA-Water	Bis(2-chloroethyl)ether	1	ug/L	U	1	4
6/21/2004 12:30	SOUTH GREEN COVE	BNA-Water	Bis(2-chloroisopropyl)ether	3	ug/L	U	3	12
6/21/2004 12:30	SOUTH GREEN COVE	BNA-Water	Bis(2-ethylhexyl)phthalate	15	ug/L	U	15	61
6/21/2004 12:30	SOUTH GREEN COVE	BNA-Water	Butyl benzyl phthalate	5.1	ug/L	U	5.1	20
6/21/2004 12:30	SOUTH GREEN COVE	BNA-Water	Chrysene	1	ug/L	U	1	4
6/21/2004 12:30	SOUTH GREEN COVE	BNA-Water	delta-BHC	1.5	ug/L	U	1.5	6.1
6/21/2004 12:30	SOUTH GREEN COVE	BNA-Water	Dibenzo(a,h)anthracene	1	ug/L	U	1	4
6/21/2004 12:30	SOUTH GREEN COVE	BNA-Water	Dieldrin	1.5	ug/L	U	1.5	6.1
6/21/2004 12:30	SOUTH GREEN COVE	BNA-Water	Diethyl phthalate	1	ug/L	U	1	4
6/21/2004 12:30	SOUTH GREEN COVE	BNA-Water	Dimethyl phthalate	51	ug/L	U	51	200
6/21/2004 12:30	SOUTH GREEN COVE	BNA-Water	Di-n-butyl phthalate	5.1	ug/L	U	5.1	20
6/21/2004 12:30	SOUTH GREEN COVE	BNA-Water	Di-n-octyl phthalate	1	ug/L	U	1	4
6/21/2004 12:30	SOUTH GREEN COVE	BNA-Water	Endosulfan I	4	ug/L	U	4	16
6/21/2004 12:30	SOUTH GREEN COVE	BNA-Water	Endosulfan II	4	ug/L	U	4	16
6/21/2004 12:30	SOUTH GREEN COVE	BNA-Water	Endosulfan sulfate	1.5	ug/L	U	1.5	6.1
6/21/2004 12:30	SOUTH GREEN COVE	BNA-Water	Endrin	1.5	ug/L	UJ	1.5	6.1
6/21/2004 12:30	SOUTH GREEN COVE	BNA-Water	Endrin aldehyde	4	ug/L	U	4	16
6/21/2004 12:30	SOUTH GREEN COVE	BNA-Water	Fluoranthene	1	ug/L	U	1	4
6/21/2004 12:30	SOUTH GREEN COVE	BNA-Water	Fluorene	1	ug/L	U	1	4
6/21/2004 12:30	SOUTH GREEN COVE	BNA-Water	gamma-BHC	1.5	ug/L	U	1.5	6.1
6/21/2004 12:30	SOUTH GREEN COVE	BNA-Water	Heptachlor	1.5	ug/L	U	1.5	6.1
6/21/2004 12:30	SOUTH GREEN COVE	BNA-Water	Heptachlor epoxide	1.5	ug/L	U	1.5	6.1
6/21/2004 12:30	SOUTH GREEN COVE	BNA-Water	Hexachlorobenzene	1	ug/L	U	1	4
6/21/2004 12:30	SOUTH GREEN COVE	BNA-Water	Hexachlorobutadiene	3	ug/L	U	3	12
6/21/2004 12:30	SOUTH GREEN COVE	BNA-Water	Hexachlorocyclopentadiene	3	ug/L	U	3	12
6/21/2004 12:30	SOUTH GREEN COVE	BNA-Water	Hexachloroethane	3	ug/L	U	3	12
6/21/2004 12:30	SOUTH GREEN COVE	BNA-Water	Indeno(1,2,3-cd)pyrene	1	ug/L	U	1	4
6/21/2004 12:30	SOUTH GREEN COVE	BNA-Water	Isophorone	1	ug/L	U	1	4
6/21/2004 12:30	SOUTH GREEN COVE	BNA-Water	Naphthalene	1	ug/L	U	1	4
6/21/2004 12:30	SOUTH GREEN COVE	BNA-Water	Nitrobenzene	2	ug/L	U	2	8.1
6/21/2004 12:30	SOUTH GREEN COVE	BNA-Water	N-Nitrosodimethylamine	2	ug/L	U	2	8.1
6/21/2004 12:30	SOUTH GREEN COVE	BNA-Water	N-Nitrosodi-n-propylamine	2	ug/L	U	2	8.1
6/21/2004 12:30	SOUTH GREEN COVE	BNA-Water	N-Nitrosodiphenylamine	3	ug/L	U	3	12
6/21/2004 12:30	SOUTH GREEN COVE	BNA-Water	Pentachlorophenol	3	ug/L	U	3	12
6/21/2004 12:30	SOUTH GREEN COVE	BNA-Water	Phenanthrene	1	ug/L	U	1	4
6/21/2004 12:30	SOUTH GREEN COVE	BNA-Water	Phenol	1	ug/L	U	1	4
6/21/2004 12:30	SOUTH GREEN COVE	BNA-Water	Pyrene	1	ug/L	U	1	4
6/21/2004 12:30	SOUTH GREEN COVE	GC-Water	Alachlor	0.6	ug/L	U	0.6	2.4
6/21/2004 12:30	SOUTH GREEN COVE	GC-Water	Ametryn	0.05	ug/L	U	0.05	0.2
6/21/2004 12:30	SOUTH GREEN COVE	GC-Water	Atrazine	0.05	ug/L	U	0.05	0.2
6/21/2004 12:30	SOUTH GREEN COVE	GC-Water	Azinphos Methyl	0.05	ug/L	U	0.05	0.2
6/21/2004 12:30	SOUTH GREEN COVE	GC-Water	Bromacil	0.2	ug/L	U	0.2	0.8
6/21/2004 12:30	SOUTH GREEN COVE	GC-Water	Butylate	0.2	ug/L	U	0.2	0.8
6/21/2004 12:30	SOUTH GREEN COVE	GC-Water	Chlorpyrifos Ethyl	0.05	ug/L	U	0.05	0.2
6/21/2004 12:30	SOUTH GREEN COVE	GC-Water	Chlorpyrifos Methyl	0.1	ug/L	U	0.1	0.4
6/21/2004 12:30	SOUTH GREEN COVE	GC-Water	Diazinon	0.05	ug/L	UJ	0.05	0.2
6/21/2004 12:30	SOUTH GREEN COVE	GC-Water	Ethion	0.05	ug/L	U	0.05	0.2
6/21/2004 12:30	SOUTH GREEN COVE	GC-Water	Ethoprop	0.1	ug/L	U	0.1	0.4
6/21/2004 12:30	SOUTH GREEN COVE	GC-Water	Fenamiphos	0.2	ug/L	U	0.2	0.8
6/21/2004 12:30	SOUTH GREEN COVE	GC-Water	Fonofos	0.1	ug/L	U	0.1	0.4
6/21/2004 12:30	SOUTH GREEN COVE	GC-Water	Hexazinone	0.1	ug/L	U	0.1	0.4
6/21/2004 12:30	SOUTH GREEN COVE	GC-Water	Malathion	0.15	ug/L	U	0.15	0.6
6/21/2004 12:30	SOUTH GREEN COVE	GC-Water	Metalaxyl	0.25	ug/L	U	0.25	1
6/21/2004 12:30	SOUTH GREEN COVE	GC-Water	Metolachlor	0.5	ug/L	U	0.5	2
6/21/2004 12:30	SOUTH GREEN COVE	GC-Water	Metribuzin	0.1	ug/L	U	0.1	0.4
6/21/2004 12:30	SOUTH GREEN COVE	GC-Water	Mevinphos	0.2	ug/L	UJ	0.2	0.8
6/21/2004 12:30	SOUTH GREEN COVE	GC-Water	Naled	0.8	ug/L	UJ	0.8	3.2
6/21/2004 12:30	SOUTH GREEN COVE	GC-Water	Norflurazon	0.1	ug/L	U	0.1	0.4
6/21/2004 12:30	SOUTH GREEN COVE	GC-Water	Parathion Ethyl	0.15	ug/L	U	0.15	0.6
6/21/2004 12:30	SOUTH GREEN COVE	GC-Water	Parathion Methyl	0.1	ug/L	U	0.1	0.4
6/21/2004 12:30	SOUTH GREEN COVE	GC-Water	Phorate	0.05	ug/L	U	0.05	0.2
6/21/2004 12:30	SOUTH GREEN COVE	GC-Water	Prometryn	0.15	ug/L	U	0.15	0.6
6/21/2004 12:30	SOUTH GREEN COVE	GC-Water	Simazine	0.05	ug/L	U	0.05	0.2
6/21/2004 12:30	SOUTH GREEN COVE	Metals-Water	Aluminum	37	ug/L		5	20
6/21/2004 12:30	SOUTH GREEN COVE	Metals-Water	Arsenic	5	ug/L	U	5	20

6/21/2004 12:30	SOUTH GREEN COVE	Metals-Water	Cadmium	0.15	ug/L	U	0.15	0.6
6/21/2004 12:30	SOUTH GREEN COVE	Metals-Water	Calcium	43	mg/L		0.05	0.2
6/21/2004 12:30	SOUTH GREEN COVE	Metals-Water	Chromium	2	ug/L	U	2	8
6/21/2004 12:30	SOUTH GREEN COVE	Metals-Water	Copper	2.9	ug/L	I	1	4
6/21/2004 12:30	SOUTH GREEN COVE	Metals-Water	Iron	61	ug/L		5	20
6/21/2004 12:30	SOUTH GREEN COVE	Metals-Water	Lead	0.5	ug/L	I	0.14	0.56
6/21/2004 12:30	SOUTH GREEN COVE	Metals-Water	Magnesium	17.7	mg/L		0.02	0.08
6/21/2004 12:30	SOUTH GREEN COVE	Metals-Water	Nickel	2.8	ug/L	I	2	8
6/21/2004 12:30	SOUTH GREEN COVE	Metals-Water	Selenium	0.5	ug/L	U	0.5	2
6/21/2004 12:30	SOUTH GREEN COVE	Metals-Water	Silver	0.15	ug/L	U	0.15	0.6
6/21/2004 12:30	SOUTH GREEN COVE	Metals-Water	Zinc	61.7	ug/L		2	8
6/21/2004 12:30	SOUTH GREEN COVE	Nutrients-Liquid	Ammonia-N	1.3	mg N/L	A	0.2	0.4
6/21/2004 12:30	SOUTH GREEN COVE	Nutrients-Liquid	N_KJEL_TOT	2.3	mg N/L	A	0.06	0.2
6/21/2004 12:30	SOUTH GREEN COVE	Nutrients-Liquid	NO2NO3-N	9.2	mg N/L	A	0.4	1
6/21/2004 12:30	SOUTH GREEN COVE	Nutrients-Liquid	O-Phosphate-P	3.5	mg P/L		0.16	0.4
6/21/2004 12:30	SOUTH GREEN COVE	Nutrients-Liquid	Total-P	3.2	mg P/L	A	0.4	1.2

The Bioassay of South WWTP (Green Cove Springs) effluent sampled on June 21, 2004, NPDES #FL0030210.

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



The Priority Pollutants Analysis for Bioassay of South WWTP (Green Cove Springs) effluent sampled on June 21, 2004, NPDES #FL0030210.

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

