

Bioassays of

Dixie Lime and Stone Company

Sumter County

NPDES #FL0025569

Sampled January 31, 2005

June 2005

Biology Section
Bureau of Laboratories
Division of Resource Assessment and Management

Quality Manual No. 870346G
NELAC Certification No. E31780

Dixie Lime and Stone Company, one mile east of US Hwy 301 on CR 470, Sumterville, Sumter County, Florida, NPDES #FL0025569. Effluent samples for this facility were collected on January 31, 2005

Introduction

Dixie Lime and Stone Company is a limerock mining facility. Although the facility has a design flow of 15 million gallons per day (MGD), there has not been a discharge through the permitted outfall from this site in the past permit cycle (February 19, 1999 through February 18, 2004), except during flood conditions (emergencies and 25 year-24 hour storm events). However, it was discovered that water (estimated 15 MGD) was leaving the site through an unpermitted outfall. The unpermitted outfall has been blocked to prevent further discharge through it. Within 60 days of permit issuance, the facility is required to install a continuous flow monitoring device at the parshall flume on the permitted outfall. Operations at the facility include dewatering of the active pit as much as practical and underwater mining approximately 21.34 m (70 feet) below the water surface. The displaced water from the active mine pit is pumped into inactive mine pits. Inactive mine pits discharge to an unnamed ditch then to an overland area to Class III fresh waters of Shady Brook via Outfall D-001. Prior to issuance (November, 2004) of this permit, the facility was not required to perform routine toxicity testing. A Fifth Year Investigation has not been performed at this site in the past (facility information provided by Lori Pillsbury of FDEP Southwest District).

Methods

Samples were collected from the D-001 NPDES sampling point by Lori Pillsbury and Nahir Cornwell (FDEP Southwest District) following DEP-SOP-001/01 FS 2400 Wastewater Sampling. All DEP SOP's are available on the web at: http://www.floridadep.org/labs/qa/sops.htm

The 96-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

Prior to test initiation, bioassay samples were aerated for 28 minutes at approximately 100 bubbles per minute, to reduce the dissolved oxygen concentration from 9.7 mg/L to 7.8 mg/L.

Toxicity Test Results

Tests were performed February 1-5, 2005.

Ceriodaphnia dubia 96-hr acute screening bioassay –	LC_{50} > 100%, 0% mortality in 100% sample at 96 hours
Cyprinella leedsi 96-hr acute screening bioassay –	LC_{50} > 100%, 0% mortality in 100% sample at 96 hours

Bioassay samples were not acutely toxic to the test organisms.

See Appendix 1 for bioassay bench sheets.

Algal Growth Potential

The effluent Algal Growth Potential (AGP) was 10.5 mg dry wt/L of the unicellular green alga, *Pseudokirchneriella subcapitata*, formerly known as *Selenastrum capricornutum*. Raschke and Shultz (1987) found that 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 inorganic nitrogen concentrations was 2.66 (±20%) mg dry wt/L (Table 1; Miller et al. 1978). See Table 1 for AGP results.

Chemistry Results

Total residual chlorine and total ammonia were not detected in the bioassay sample in the laboratory. The total ammonia concentration in the sample collected and preserved for chemical analysis was 0.015 mg/L. Based on the pH, salinity and temperature of the effluent as collected, the calculated unionized ammonia concentration was < 0.02 mg/L.

Total alpha and radium 226+228 were detected in the effluent at levels that comply with Class III fresh water quality criteria. Aluminum, copper, iron, and nickel were detected between the laboratory minimum detection limits (MDL) and practical quantitation limits (PQL).

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 D-001 for this facility on January 31, 2005, were not acutely toxic to either test species during the 96-hour bioassays. The effluent AGP result exceeded the "problem" threshold for fresh receiving waters. Effluent water quality samples did not exceed any applicable water quality standards or violate any permit conditions.

Literature Cited

Miller, W. E., T. E. Maloney, and J. C. Greene. 1978. The *Selenastrum capricornutum* Printz algal assay bottle test. EPA-600/9-78-018. U. S. EPA, Cincinnati, Ohio. 126 p.

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; mg dry weight/L) for total soluble nitrogen (TSIN) and total nitrogen (TN) limitation of Pseudokirchneriella subcapitata.

Dixie Lime and Stone	AGP (measured)	Predicted AGP (TSIN) ± 20%	Predicted AGP (TN) ± 20%	Inorganic N:P ratio	Total N:P ratio
Effluent Samples	10.5	2.66 ± 0.532	19.6 ± 3.9	10	6.75

Table 2. Effluent limits, Class III Fresh Water Criteria and chemical data.

Dixie Lime and Stone Company	Class III Stds	Effluent Limits	Effluent Samples
Organic Constituents (µg/L)			
None Detected	-	-	-
Metals (µg/L unless otherwise noted)			
Aluminum	-	-	11 I
Arsenic	≤ 50	-	6 U
Cadmium	≤ 1.6 b	-	0.075 U
Calcium (mg/L)	-	-	55.9 A
Chromium-III	≤ 119.5 b	-	2 U
Copper	≤ 13.1 b	-	0.6 I
Iron	≤ 1000	-	23 I
Lead	≤ 5.3 b	-	0.075 U
Magnesium (mg/L)	-	-	2.3 A
Nickel	≤ 73.1 b	-	2.2 I
Selenium	≤ 5	-	0.5 U
Silver	≤ 0.07	-	0.025 U
Zinc	≤ 168 b	-	3 U
Nutrients (mg/L)			
Ortho-phosphate	-	-	0.007 I
Total Phosphorus	-	-	0.077
Ammonia	-	-	0.015 I
Unionized Ammonia	≤ 0.02	-	< 0.02 c
Nitrate+Nitrite	-	-	0.055
Total Kjeldahl Nitrogen	-	-	0.46
Organic Nitrogen	-	-	0.45 c
Total Nitrogen	-	-	0.52 c
Fluoride	≤ 10	≤ 10	0.092 I
General Physical and Chemical Parameters			
Alpha, Total (pCi/L)	≤ 15.0	≤ 15.0	1.7
Alpha-Counting Error (pCi/L)	-	-	1.1
Radium 226 (pCi/L)	-	-	0.4
Radium 226-Counting Error (pCi/L)	-	-	0.1
Radium 228 (pCi/L)	-	-	1 U
Radium 228-Counting Error (pCi/L)	-	-	0.7
Radium 226 + 228 (pCi/L)	≤ 5.0	≤ 5.0	0.9 c
Dissolved Oxygen (mg/L)	≥ 5	≥ 5	10
pH (S.U.)	6.0 - 8.5	6.0 - 8.5	7.9
Conductivity (umhos/cm)	≤ 1275	-	309
Temperature (C)	-	-	16.6
BOD (mg/L)	-	-	1.5
TSS (mg/L)	-	≤ 20.0	4 U
Flow (MGD)	-	15	-
Turbidity (NTU)	29 t	-	2.8
Hardness (mg/L)	-	-	149.1 c

Value exceeds the Class III Fresh Water Quality Criteria (62-302, F.A.C.) and/or Effluent Limits

b - Value is calculated based on hardness

c - calculated value

t - Shall not exceed 29 NTUs above background

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: Dixie Lime and Stone ~~Lake Tarpon~~ NF Kota WWTP

Address: ~~2515 Highlands Road~~ SP 1 mile east of U.S Hwy 301/north of SR. 470

City: ~~Harbour Heights~~ SP Sumterville **County:** ~~Charlotte~~ SP Sumter

Contact/District: Jon Pillsbury / Southwest - TAMPA

NPDES Permit #: FL ~~0035378~~ P 25569

LIMS Job #: TLH-2005-02-01-11 **LIMS Sample #:** 812024

Sample Collection: Date: 01/31/05 Time: 1045

Hold time Start: Date: 01/31/05 Time: 1045

Comments: Test changed from Definitive to Screening per permit revision — Request of District Personnel. MF 2/1/05

Lims Data Entry: 2-11-05 MF

Data Entry Verification: 2-11-05 JD

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: 9.7 mg/L Final DO: 7.8 mg/L Duration: 28 minutes Rate: ~100 bubbles/min

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

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

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

Sample Validation:

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

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

Temperature Range °C

Incubator # 3 Range 24.5 - 25.5

Room B246: 22.8 - 23.2

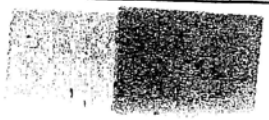
Waterbath: Na

Investigators' Signatures

Dawn Nicholson
Marshall Faircloth
Sarah Pritchard
Nicole Wetherby
James Daniels
Nicole Wetherby
REVIEWER

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Water Quality Parameters	20% DMW	Well Water	Salt Water ASW NSW Test 1	Salt Water ASW NSW Test 2	Moderately Hard Water	Original Sample	Method	Measured by	Verified by
Field Total Residual Cl2 (mg/L):	N/A	N/A	N/A	N/A	N/A	Not measured			MF
Lab Total Residual Cl2 (mg/L):	<0.03	<0.03				<0.03	HACH	SP	SP
Alkalinity (mg/L as $CaCO_3$):	90	144				162	HACH	SP	DN
Hardness (mg/L as $CaCO_3$):	95	132				159	HACH	SP	DN
Total Ammonia (mg/L as N):	<0.017	<0.017				<0.017	DENVER	DN	SP
Salinity (ppth):	<1	<1				<1	YSI (Mettler)	MF	JD



FDEP Biology Section - - Bioassay Bench Sheet
Survival

LIMS Sample #: 812024 Test #: 1 Test Started: Date 2/1/05 Time: 1430
Organism: C. dubia Test Ended: Date 2/5/05 Time: 1100
Organism Batch: 04-05 Diluent/ Batch: 20‰ DMW / 3-05
Organism Age: < 24 hr Food: (YCT) (P. subcapitata) Artemia
Chamber Size 30 mL Batch: 3 43
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	5	5	5
	B		5	5	5	5	5	5
	C		5	5	5	5	5	4 1 0
	D		5	5	5	5	5	5
100%	A		5	5	5	5	5	5
	B		5	5	5	5	5	5
	C		5	5	5	5	5	5
	D		5	5	5	5	5	5
Organisms loaded by: mf		Checked by: (initials)	DN	SP	JD	JD	JD	mf

Loading Verified by: DN
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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FDEP Biology Section - - Bioassay Bench Sheet
Survival

LIMS Sample #: 812024 Test #: 2 Test Started: Date 2/1/05 Time: 1400
Organism: C. leedsi Test Ended: Date 2/5/05 Time: 1100
Organism Batch: 05-05 Diluent/ Batch: Well / N/A
Organism Age: 11 days Food: YCT P. subcapitata (Artemia)
Chamber Size 1000 mL Batch: ___ ___ 425425G
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	D1	5	5	5	5	5	5
	B	D2	5	5	5	5	5	5
	C	D3	5	5	5	5	5	5
	D	D4	5	5	5	5	5	5
100%	A	D5	5	5	5	5	5	5
	B	D6	5	5	5	5	5	5
	C	D7	5	5	5	5	5	5
	D	D8	5	5	5	5	5	5
Organisms loaded by: NKW		Checked by: (initials)	DN	JD	JD	JD	JD	mF

Loading Verified by: DN

Comments:

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

Test Results:

% mortality in 100% sample 0

LC_{50}: >100 If Calculated: 95% CI ______ Method: ______

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

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

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Bioassay Parameters

LIMS Sample # : 812024 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: Control	0 Hr.	24 Hr.	48 Hr. before renewal	48 Hr. after renewal	72 Hr.	96 Hr.
Replicate	A		A	A		B
pH (S.U.)	8.2		8.1	7.6		8.1
Temperature °C	24.1		24.2	24.0		24.1
Dissolved Oxygen mg/L	8.4		8.3	7.6		8.4
Conductivity (µmhos) mmhos	200		210	186		210
(initials) Measured by:	MF		SP	SP		DN
(initials) Recorded by:	MF		SP	SP		DN

Comments: 24 & 72 hour Parameters not measured on C. dubia test.

Concentration: 100%	0 Hr.	24 Hr.	48 Hr. before renewal	48 Hr. after renewal	72 Hr.	96 Hr.
Replicate	A		A	A		B
pH (S.U.)	8.4		8.4	8.0		8.5
Temperature °C	24.5		24.1	24.1		24.2
Dissolved Oxygen mg/L	7.7		8.0	7.7		8.6
Conductivity (µmhos) mmhos	315		336	323		380
(initials) Measured by:	MF		SP	SP		DN
(initials) Recorded by:	MF		SP	SP		DN

Comments: 24 & 72 hour Parameters not measured on C. dubia test.

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 # : 8|2024 **Test # :** 2 **of** 2

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

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Concentration Control	0 Hr.	24 Hr.	48 Hr. before renewal	48 Hr. after renewal	72 Hr.	96 Hr.
Replicate	A	B	C	C	D	A
pH (S.U.)	8.0	8.1	8.2	7.8	8.0	8.2
Temperature °C	24.1	24.0	24.1	24.8	24.2	24.4
Dissolved Oxygen mg/L	8.3	7.4	7.4	8.1	7.0	8.0
Conductivity (µmhos) mmhos	270	290	275	280	280	295
(initials) Measured by:	MK	JD	JD	JD	JD	DN
(initials) Recorded by:	MK	JD	JD	JD	JD	DN

Comments:

Concentration 100%	0 Hr.	24 Hr.	48 Hr. before renewal	48 Hr. after renewal	72 Hr.	96 Hr.
Replicate	A	B	C	C	D	A
pH (S.U.)	8.3	8.4	8.3	8.4	8.3	8.3
Temperature °C	24.6	24.7	24.1	24.8	24.4	24.3
Dissolved Oxygen mg/L	7.9	7.7	7.2	8.0	7.0	7.6
Conductivity (µmhos) mmhos	315	310	325	320	325	340
(initials) Measured by:	MK	JD	JD	JD	JD	DN
(initials) Recorded by:	MK	JD	JD	JD	JD	DN

Comments:

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

Comments:

Concentration	0 Hr.	24 Hr.	48 Hr. before renewal	48 Hr. after renewal	72 Hr.	96 Hr.
Replicate	B					
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 Dixie Lime and Stone Company Outfall D-001, sampled on January 31, 2005.

Date Sampled	Field ID	Analyis Group	Component	Result	Units	Remark	MDL	PQL
1/31/2005 10:45	31733	Bio-AGP/LimNut	Algal Growth Potential	10.5	mg DryWt/L		0.3	0.9
1/31/2005 10:45	31733	Bio-BOD	Biochemical Oxygen Demand-5 Day,N-Inhib	1.5	mg/L			
1/31/2005 10:45	31733	Bio-Chl-a	Chlorophyll-A, Monochromatic, Water	1.6	ug/L	U	1.6	4.8
1/31/2005 10:45	31733	Bio-Chl-a	Phaeophytin-A, Monochromatic, Water	1.6	ug/L	U	1.6	4.8
1/31/2005 10:45	31733	Bio-Toxicology	Bioassay-Acute-Screen-FW-C.dubia, LC50	100		LC50	L	
1/31/2005 10:45	31733	Bio-Toxicology	Bioassay-Acute-Screen-FW-Fish, LC50	100		LC50	L	
1/31/2005 10:45	31733	BNA-Water	1,2,4-Trichlorobenzene	0.95	ug/L	U	0.95	3.8
1/31/2005 10:45	31733	BNA-Water	1,2-Dichlorobenzene	0.95	ug/L	U	0.95	3.8
1/31/2005 10:45	31733	BNA-Water	1,3-Dichlorobenzene	0.95	ug/L	U	0.95	3.8
1/31/2005 10:45	31733	BNA-Water	1,4-Dichlorobenzene	0.95	ug/L	U	0.95	3.8
1/31/2005 10:45	31733	BNA-Water	2,4,6-Trichlorophenol	0.95	ug/L	U	0.95	3.8
1/31/2005 10:45	31733	BNA-Water	2,4-Dichlorophenol	0.95	ug/L	U	0.95	3.8
1/31/2005 10:45	31733	BNA-Water	2,4-Dimethylphenol	48	ug/L	U	48	190
1/31/2005 10:45	31733	BNA-Water	2,4-Dinitrophenol	14	ug/L	U	14	57
1/31/2005 10:45	31733	BNA-Water	2,4-Dinitrotoluene	0.95	ug/L	U	0.95	3.8
1/31/2005 10:45	31733	BNA-Water	2,6-Dinitrotoluene	0.95	ug/L	U	0.95	3.8
1/31/2005 10:45	31733	BNA-Water	2-Chloronaphthalene	0.95	ug/L	U	0.95	3.8
1/31/2005 10:45	31733	BNA-Water	2-Chlorophenol	0.95	ug/L	U	0.95	3.8
1/31/2005 10:45	31733	BNA-Water	2-Methyl-4,6-dinitrophenol	2.9	ug/L	U	2.9	11
1/31/2005 10:45	31733	BNA-Water	2-Nitrophenol	0.95	ug/L	U	0.95	3.8
1/31/2005 10:45	31733	BNA-Water	3,3'-Dichlorobenzidine	38	ug/L	UJ	38	150
1/31/2005 10:45	31733	BNA-Water	4,4'-DDD	1.4	ug/L	U	1.4	5.7
1/31/2005 10:45	31733	BNA-Water	4,4'-DDE	1.4	ug/L	U	1.4	5.7
1/31/2005 10:45	31733	BNA-Water	4,4'-DDT	1.4	ug/L	U	1.4	5.7
1/31/2005 10:45	31733	BNA-Water	4-Bromophenyl phenyl ether	0.95	ug/L	U	0.95	3.8
1/31/2005 10:45	31733	BNA-Water	4-Chloro-3-methylphenol	0.95	ug/L	U	0.95	3.8
1/31/2005 10:45	31733	BNA-Water	4-Chlorophenyl phenyl ether	1.9	ug/L	U	1.9	7.6
1/31/2005 10:45	31733	BNA-Water	4-Nitrophenol	14	ug/L	U	14	57
1/31/2005 10:45	31733	BNA-Water	Acenaphthene	0.95	ug/L	U	0.95	3.8
1/31/2005 10:45	31733	BNA-Water	Acenaphthylene	0.95	ug/L	U	0.95	3.8
1/31/2005 10:45	31733	BNA-Water	Aldrin	1.4	ug/L	U	1.4	5.7
1/31/2005 10:45	31733	BNA-Water	Anthracene	0.95	ug/L	U	0.95	3.8
1/31/2005 10:45	31733	BNA-Water	Benzidine	95	ug/L	U	95	380
1/31/2005 10:45	31733	BNA-Water	Benzo(a)anthracene	0.95	ug/L	U	0.95	3.8
1/31/2005 10:45	31733	BNA-Water	Benzo(a)pyrene	0.95	ug/L	U	0.95	3.8
1/31/2005 10:45	31733	BNA-Water	Benzo(b)fluoranthene	0.95	ug/L	U	0.95	3.8
1/31/2005 10:45	31733	BNA-Water	Benzo(g,h,i)perylene	0.95	ug/L	U	0.95	3.8
1/31/2005 10:45	31733	BNA-Water	Benzo(k)fluoranthene	0.95	ug/L	U	0.95	3.8
1/31/2005 10:45	31733	BNA-Water	Bis(2-chloroethoxy)methane	0.95	ug/L	U	0.95	3.8
1/31/2005 10:45	31733	BNA-Water	Bis(2-chloroethyl)ether	0.95	ug/L	U	0.95	3.8
1/31/2005 10:45	31733	BNA-Water	Bis(2-chloroisopropyl)ether	2.9	ug/L	U	2.9	11
1/31/2005 10:45	31733	BNA-Water	Bis(2-ethylhexyl)phthalate	14	ug/L	U	14	57
1/31/2005 10:45	31733	BNA-Water	Butyl benzyl phthalate	4.8	ug/L	U	4.8	19
1/31/2005 10:45	31733	BNA-Water	Chrysene	0.95	ug/L	U	0.95	3.8
1/31/2005 10:45	31733	BNA-Water	Di-n-butyl phthalate	4.8	ug/L	U	4.8	19
1/31/2005 10:45	31733	BNA-Water	Di-n-octyl phthalate	0.95	ug/L	U	0.95	3.8
1/31/2005 10:45	31733	BNA-Water	Dibenzo(a,h)anthracene	0.95	ug/L	U	0.95	3.8
1/31/2005 10:45	31733	BNA-Water	Dieldrin	1.4	ug/L	U	1.4	5.7
1/31/2005 10:45	31733	BNA-Water	Diethyl phthalate	0.95	ug/L	U	0.95	3.8
1/31/2005 10:45	31733	BNA-Water	Dimethyl phthalate	48	ug/L	U	48	190
1/31/2005 10:45	31733	BNA-Water	Endosulfan I	3.8	ug/L	U	3.8	15
1/31/2005 10:45	31733	BNA-Water	Endosulfan II	3.8	ug/L	U	3.8	15
1/31/2005 10:45	31733	BNA-Water	Endosulfan sulfate	1.4	ug/L	U	1.4	5.7
1/31/2005 10:45	31733	BNA-Water	Endrin	1.4	ug/L	U	1.4	5.7
1/31/2005 10:45	31733	BNA-Water	Endrin aldehyde	3.8	ug/L	U	3.8	15
1/31/2005 10:45	31733	BNA-Water	Fluoranthene	0.95	ug/L	U	0.95	3.8
1/31/2005 10:45	31733	BNA-Water	Fluorene	0.95	ug/L	U	0.95	3.8

Date Sampled	Field ID	Analyis Group	Component	Result	Units	Remark	MDL	PQL
1/31/2005 10:45	31733	BNA-Water	Heptachlor	1.4	ug/L	U	1.4	5.7
1/31/2005 10:45	31733	BNA-Water	Heptachlor epoxide	1.4	ug/L	U	1.4	5.7
1/31/2005 10:45	31733	BNA-Water	Hexachlorobenzene	0.95	ug/L	U	0.95	3.8
1/31/2005 10:45	31733	BNA-Water	Hexachlorobutadiene	2.9	ug/L	U	2.9	11
1/31/2005 10:45	31733	BNA-Water	Hexachlorocyclopentadiene	2.9	ug/L	U	2.9	11
1/31/2005 10:45	31733	BNA-Water	Hexachloroethane	2.9	ug/L	U	2.9	11
1/31/2005 10:45	31733	BNA-Water	Indeno(1,2,3-cd)pyrene	0.95	ug/L	U	0.95	3.8
1/31/2005 10:45	31733	BNA-Water	Isophorone	0.95	ug/L	U	0.95	3.8
1/31/2005 10:45	31733	BNA-Water	N-Nitrosodi-n-propylamine	1.9	ug/L	U	1.9	7.6
1/31/2005 10:45	31733	BNA-Water	N-Nitrosodimethylamine	1.9	ug/L	U	1.9	7.6
1/31/2005 10:45	31733	BNA-Water	N-Nitrosodiphenylamine	2.9	ug/L	UJ	2.9	11
1/31/2005 10:45	31733	BNA-Water	Naphthalene	0.95	ug/L	U	0.95	3.8
1/31/2005 10:45	31733	BNA-Water	Nitrobenzene	1.9	ug/L	U	1.9	7.6
1/31/2005 10:45	31733	BNA-Water	Pentachlorophenol	2.9	ug/L	U	2.9	11
1/31/2005 10:45	31733	BNA-Water	Phenanthrene	0.95	ug/L	U	0.95	3.8
1/31/2005 10:45	31733	BNA-Water	Phenol	0.95	ug/L	U	0.95	3.8
1/31/2005 10:45	31733	BNA-Water	Pyrene	0.95	ug/L	U	0.95	3.8
1/31/2005 10:45	31733	BNA-Water	alpha-BHC	1.4	ug/L	U	1.4	5.7
1/31/2005 10:45	31733	BNA-Water	beta-BHC	1.4	ug/L	U	1.4	5.7
1/31/2005 10:45	31733	BNA-Water	delta-BHC	1.4	ug/L	U	1.4	5.7
1/31/2005 10:45	31733	BNA-Water	gamma-BHC	1.4	ug/L	U	1.4	5.7
1/31/2005 14:00	31734	BNA-Water	1,2,4-Trichlorobenzene	0.96	ug/L	U	0.96	3.8
1/31/2005 14:00	31734	BNA-Water	1,2-Dichlorobenzene	0.96	ug/L	U	0.96	3.8
1/31/2005 14:00	31734	BNA-Water	1,3-Dichlorobenzene	0.96	ug/L	U	0.96	3.8
1/31/2005 14:00	31734	BNA-Water	1,4-Dichlorobenzene	0.96	ug/L	U	0.96	3.8
1/31/2005 14:00	31734	BNA-Water	2,4,6-Trichlorophenol	0.96	ug/L	U	0.96	3.8
1/31/2005 14:00	31734	BNA-Water	2,4-Dichlorophenol	0.96	ug/L	U	0.96	3.8
1/31/2005 14:00	31734	BNA-Water	2,4-Dimethylphenol	48	ug/L	U	48	190
1/31/2005 14:00	31734	BNA-Water	2,4-Dinitrophenol	14	ug/L	U	14	58
1/31/2005 14:00	31734	BNA-Water	2,4-Dinitrotoluene	0.96	ug/L	U	0.96	3.8
1/31/2005 14:00	31734	BNA-Water	2,6-Dinitrotoluene	0.96	ug/L	U	0.96	3.8
1/31/2005 14:00	31734	BNA-Water	2-Chloronaphthalene	0.96	ug/L	U	0.96	3.8
1/31/2005 14:00	31734	BNA-Water	2-Chlorophenol	0.96	ug/L	U	0.96	3.8
1/31/2005 14:00	31734	BNA-Water	2-Methyl-4,6-dinitrophenol	2.9	ug/L	U	2.9	12
1/31/2005 14:00	31734	BNA-Water	2-Nitrophenol	0.96	ug/L	U	0.96	3.8
1/31/2005 14:00	31734	BNA-Water	3,3'-Dichlorobenzidine	38	ug/L	UJ	38	150
1/31/2005 14:00	31734	BNA-Water	4,4'-DDD	1.4	ug/L	U	1.4	5.8
1/31/2005 14:00	31734	BNA-Water	4,4'-DDE	1.4	ug/L	U	1.4	5.8
1/31/2005 14:00	31734	BNA-Water	4,4'-DDT	1.4	ug/L	U	1.4	5.8
1/31/2005 14:00	31734	BNA-Water	4-Bromophenyl phenyl ether	0.96	ug/L	U	0.96	3.8
1/31/2005 14:00	31734	BNA-Water	4-Chloro-3-methylphenol	0.96	ug/L	U	0.96	3.8
1/31/2005 14:00	31734	BNA-Water	4-Chlorophenyl phenyl ether	1.9	ug/L	U	1.9	7.7
1/31/2005 14:00	31734	BNA-Water	4-Nitrophenol	14	ug/L	U	14	58
1/31/2005 14:00	31734	BNA-Water	Acenaphthene	0.96	ug/L	U	0.96	3.8
1/31/2005 14:00	31734	BNA-Water	Acenaphthylene	0.96	ug/L	U	0.96	3.8
1/31/2005 14:00	31734	BNA-Water	Aldrin	1.4	ug/L	U	1.4	5.8
1/31/2005 14:00	31734	BNA-Water	Anthracene	0.96	ug/L	U	0.96	3.8
1/31/2005 14:00	31734	BNA-Water	Benzidine	96	ug/L	U	96	380
1/31/2005 14:00	31734	BNA-Water	Benzo(a)anthracene	0.96	ug/L	U	0.96	3.8
1/31/2005 14:00	31734	BNA-Water	Benzo(a)pyrene	0.96	ug/L	U	0.96	3.8
1/31/2005 14:00	31734	BNA-Water	Benzo(b)fluoranthene	0.96	ug/L	U	0.96	3.8
1/31/2005 14:00	31734	BNA-Water	Benzo(g,h,i)perylene	0.96	ug/L	U	0.96	3.8
1/31/2005 14:00	31734	BNA-Water	Benzo(k)fluoranthene	0.96	ug/L	U	0.96	3.8
1/31/2005 14:00	31734	BNA-Water	Bis(2-chloroethoxy)methane	0.96	ug/L	U	0.96	3.8
1/31/2005 14:00	31734	BNA-Water	Bis(2-chloroethyl)ether	0.96	ug/L	U	0.96	3.8
1/31/2005 14:00	31734	BNA-Water	Bis(2-chloroisopropyl)ether	2.9	ug/L	U	2.9	12
1/31/2005 14:00	31734	BNA-Water	Bis(2-ethylhexyl)phthalate	14	ug/L	U	14	58
1/31/2005 14:00	31734	BNA-Water	Butyl benzyl phthalate	4.8	ug/L	U	4.8	19
1/31/2005 14:00	31734	BNA-Water	Chrysene	0.96	ug/L	U	0.96	3.8
1/31/2005 14:00	31734	BNA-Water	Di-n-butyl phthalate	4.8	ug/L	U	4.8	19
1/31/2005 14:00	31734	BNA-Water	Di-n-octyl phthalate	0.96	ug/L	U	0.96	3.8

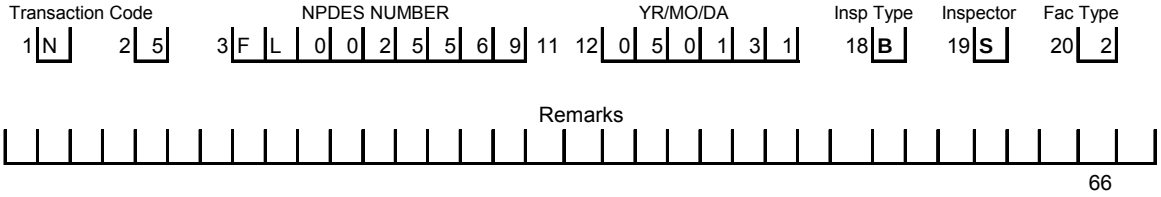
Date Sampled	Field ID	Analyis Group	Component	Result	Units	Remark	MDL	PQL
1/31/2005 14:00	31734	BNA-Water	Dibenzo(a,h)anthracene	0.96	ug/L	U	0.96	3.8
1/31/2005 14:00	31734	BNA-Water	Dieldrin	1.4	ug/L	U	1.4	5.8
1/31/2005 14:00	31734	BNA-Water	Diethyl phthalate	0.96	ug/L	U	0.96	3.8
1/31/2005 14:00	31734	BNA-Water	Dimethyl phthalate	48	ug/L	U	48	190
1/31/2005 14:00	31734	BNA-Water	Endosulfan I	3.8	ug/L	U	3.8	15
1/31/2005 14:00	31734	BNA-Water	Endosulfan II	3.8	ug/L	U	3.8	15
1/31/2005 14:00	31734	BNA-Water	Endosulfan sulfate	1.4	ug/L	U	1.4	5.8
1/31/2005 14:00	31734	BNA-Water	Endrin	1.4	ug/L	U	1.4	5.8
1/31/2005 14:00	31734	BNA-Water	Endrin aldehyde	3.8	ug/L	U	3.8	15
1/31/2005 14:00	31734	BNA-Water	Fluoranthene	0.96	ug/L	U	0.96	3.8
1/31/2005 14:00	31734	BNA-Water	Fluorene	0.96	ug/L	U	0.96	3.8
1/31/2005 14:00	31734	BNA-Water	Heptachlor	1.4	ug/L	U	1.4	5.8
1/31/2005 14:00	31734	BNA-Water	Heptachlor epoxide	1.4	ug/L	U	1.4	5.8
1/31/2005 14:00	31734	BNA-Water	Hexachlorobenzene	0.96	ug/L	U	0.96	3.8
1/31/2005 14:00	31734	BNA-Water	Hexachlorobutadiene	2.9	ug/L	U	2.9	12
1/31/2005 14:00	31734	BNA-Water	Hexachlorocyclopentadiene	2.9	ug/L	U	2.9	12
1/31/2005 14:00	31734	BNA-Water	Hexachloroethane	2.9	ug/L	U	2.9	12
1/31/2005 14:00	31734	BNA-Water	Indeno(1,2,3-cd)pyrene	0.96	ug/L	U	0.96	3.8
1/31/2005 14:00	31734	BNA-Water	Isophorone	0.96	ug/L	U	0.96	3.8
1/31/2005 14:00	31734	BNA-Water	N-Nitrosodi-n-propylamine	1.9	ug/L	U	1.9	7.7
1/31/2005 14:00	31734	BNA-Water	N-Nitrosodimethylamine	1.9	ug/L	U	1.9	7.7
1/31/2005 14:00	31734	BNA-Water	N-Nitrosodiphenylamine	2.9	ug/L	UJ	2.9	12
1/31/2005 14:00	31734	BNA-Water	Naphthalene	0.96	ug/L	U	0.96	3.8
1/31/2005 14:00	31734	BNA-Water	Nitrobenzene	1.9	ug/L	U	1.9	7.7
1/31/2005 14:00	31734	BNA-Water	Pentachlorophenol	2.9	ug/L	U	2.9	12
1/31/2005 14:00	31734	BNA-Water	Phenanthrene	0.96	ug/L	U	0.96	3.8
1/31/2005 14:00	31734	BNA-Water	Phenol	0.96	ug/L	U	0.96	3.8
1/31/2005 14:00	31734	BNA-Water	Pyrene	0.96	ug/L	U	0.96	3.8
1/31/2005 14:00	31734	BNA-Water	alpha-BHC	1.4	ug/L	U	1.4	5.8
1/31/2005 14:00	31734	BNA-Water	beta-BHC	1.4	ug/L	U	1.4	5.8
1/31/2005 14:00	31734	BNA-Water	delta-BHC	1.4	ug/L	U	1.4	5.8
1/31/2005 14:00	31734	BNA-Water	gamma-BHC	1.4	ug/L	U	1.4	5.8
1/31/2005 10:45	31733	GC-Water	Alachlor	0.6	ug/L	U	0.6	2.4
1/31/2005 10:45	31733	GC-Water	Ametryn	0.05	ug/L	U	0.05	0.2
1/31/2005 10:45	31733	GC-Water	Atrazine	0.05	ug/L	U	0.05	0.2
1/31/2005 10:45	31733	GC-Water	Azinphos Methyl	0.05	ug/L	U	0.05	0.2
1/31/2005 10:45	31733	GC-Water	Bromacil	0.2	ug/L	U	0.2	0.8
1/31/2005 10:45	31733	GC-Water	Butylate	0.2	ug/L	UJ	0.2	0.8
1/31/2005 10:45	31733	GC-Water	Chlorpyrifos Ethyl	0.05	ug/L	U	0.05	0.2
1/31/2005 10:45	31733	GC-Water	Chlorpyrifos Methyl	0.1	ug/L	U	0.1	0.4
1/31/2005 10:45	31733	GC-Water	Diazinon	0.05	ug/L	UJ	0.05	0.2
1/31/2005 10:45	31733	GC-Water	Ethion	0.05	ug/L	U	0.05	0.2
1/31/2005 10:45	31733	GC-Water	Ethoprop	0.1	ug/L	U	0.1	0.4
1/31/2005 10:45	31733	GC-Water	Fenamiphos	0.2	ug/L	U	0.2	0.8
1/31/2005 10:45	31733	GC-Water	Fonofos	0.1	ug/L	U	0.1	0.4
1/31/2005 10:45	31733	GC-Water	Hexazinone	0.1	ug/L	U	0.1	0.4
1/31/2005 10:45	31733	GC-Water	Malathion	0.15	ug/L	U	0.15	0.6
1/31/2005 10:45	31733	GC-Water	Metalaxyl	0.25	ug/L	U	0.25	1
1/31/2005 10:45	31733	GC-Water	Metolachlor	0.5	ug/L	U	0.5	2
1/31/2005 10:45	31733	GC-Water	Metribuzin	0.1	ug/L	U	0.1	0.4
1/31/2005 10:45	31733	GC-Water	Mevinphos	0.2	ug/L	U	0.2	0.8
1/31/2005 10:45	31733	GC-Water	Naled	0.8	ug/L	UJ	0.8	3.2
1/31/2005 10:45	31733	GC-Water	Norflurazon	0.1	ug/L	U	0.1	0.4
1/31/2005 10:45	31733	GC-Water	Parathion Ethyl	0.15	ug/L	UJ	0.15	0.6
1/31/2005 10:45	31733	GC-Water	Parathion Methyl	0.1	ug/L	U	0.1	0.4
1/31/2005 10:45	31733	GC-Water	Phorate	0.05	ug/L	U	0.05	0.2
1/31/2005 10:45	31733	GC-Water	Prometryn	0.15	ug/L	U	0.15	0.6
1/31/2005 10:45	31733	GC-Water	Simazine	0.05	ug/L	U	0.05	0.2
1/31/2005 14:00	31734	GC-Water	Alachlor	0.58	ug/L	U	0.58	2.3
1/31/2005 14:00	31734	GC-Water	Ametryn	0.048	ug/L	U	0.048	0.19
1/31/2005 14:00	31734	GC-Water	Atrazine	0.048	ug/L	U	0.048	0.19

Date Sampled	Field ID	Analyis Group	Component	Result	Units	Remark	MDL	PQL
1/31/2005 14:00	31734	GC-Water	Azinphos Methyl	0.048	ug/L	U	0.048	0.19
1/31/2005 14:00	31734	GC-Water	Bromacil	0.19	ug/L	U	0.19	0.76
1/31/2005 14:00	31734	GC-Water	Butylate	0.19	ug/L	UJ	0.19	0.76
1/31/2005 14:00	31734	GC-Water	Chlorpyrifos Ethyl	0.048	ug/L	U	0.048	0.19
1/31/2005 14:00	31734	GC-Water	Chlorpyrifos Methyl	0.096	ug/L	U	0.096	0.38
1/31/2005 14:00	31734	GC-Water	Diazinon	0.048	ug/L	UJ	0.048	0.19
1/31/2005 14:00	31734	GC-Water	Ethion	0.048	ug/L	U	0.048	0.19
1/31/2005 14:00	31734	GC-Water	Ethoprop	0.096	ug/L	U	0.096	0.38
1/31/2005 14:00	31734	GC-Water	Fenamiphos	0.19	ug/L	U	0.19	0.76
1/31/2005 14:00	31734	GC-Water	Fonofos	0.096	ug/L	U	0.096	0.38
1/31/2005 14:00	31734	GC-Water	Hexazinone	0.096	ug/L	U	0.096	0.38
1/31/2005 14:00	31734	GC-Water	Malathion	0.14	ug/L	U	0.14	0.56
1/31/2005 14:00	31734	GC-Water	Metalaxyl	0.24	ug/L	U	0.24	0.96
1/31/2005 14:00	31734	GC-Water	Metolachlor	0.48	ug/L	U	0.48	1.9
1/31/2005 14:00	31734	GC-Water	Metribuzin	0.096	ug/L	U	0.096	0.38
1/31/2005 14:00	31734	GC-Water	Mevinphos	0.19	ug/L	U	0.19	0.76
1/31/2005 14:00	31734	GC-Water	Naled	0.77	ug/L	UJ	0.77	3.1
1/31/2005 14:00	31734	GC-Water	Norflurazon	0.096	ug/L	U	0.096	0.38
1/31/2005 14:00	31734	GC-Water	Parathion Ethyl	0.14	ug/L	UJ	0.14	0.56
1/31/2005 14:00	31734	GC-Water	Parathion Methyl	0.096	ug/L	U	0.096	0.38
1/31/2005 14:00	31734	GC-Water	Phorate	0.048	ug/L	U	0.048	0.19
1/31/2005 14:00	31734	GC-Water	Prometryn	0.14	ug/L	U	0.14	0.56
1/31/2005 14:00	31734	GC-Water	Simazine	0.048	ug/L	U	0.048	0.19
1/31/2005 10:45	31733	Metals-Water	Aluminum	11	ug/L	I	5	20
1/31/2005 10:45	31733	Metals-Water	Arsenic	6	ug/L	U	6	24
1/31/2005 10:45	31733	Metals-Water	Cadmium	0.075	ug/L	U	0.075	0.3
1/31/2005 10:45	31733	Metals-Water	Calcium	55.9	mg/L	A	0.075	0.3
1/31/2005 10:45	31733	Metals-Water	Chromium	2	ug/L	U	2	8
1/31/2005 10:45	31733	Metals-Water	Copper	0.6	ug/L	I	0.5	2
1/31/2005 10:45	31733	Metals-Water	Iron	23	ug/L	I	10	40
1/31/2005 10:45	31733	Metals-Water	Lead	0.075	ug/L	U	0.075	0.3
1/31/2005 10:45	31733	Metals-Water	Magnesium	2.3	mg/L	A	0.02	0.08
1/31/2005 10:45	31733	Metals-Water	Nickel	2.2	ug/L	I	2	8
1/31/2005 10:45	31733	Metals-Water	Selenium	0.5	ug/L	U	0.5	2
1/31/2005 10:45	31733	Metals-Water	Silver	0.025	ug/L	U	0.025	0.1
1/31/2005 10:45	31733	Metals-Water	Zinc	3	ug/L	U	3	12
1/31/2005 14:00	31734	Metals-Water	Aluminum	5	ug/L	U	5	20
1/31/2005 14:00	31734	Metals-Water	Arsenic	6	ug/L	U	6	24
1/31/2005 14:00	31734	Metals-Water	Cadmium	0.075	ug/L	U	0.075	0.3
1/31/2005 14:00	31734	Metals-Water	Calcium	0.075	mg/L	U	0.075	0.3
1/31/2005 14:00	31734	Metals-Water	Chromium	2	ug/L	U	2	8
1/31/2005 14:00	31734	Metals-Water	Copper	0.5	ug/L	U	0.5	2
1/31/2005 14:00	31734	Metals-Water	Iron	10	ug/L	U	10	40
1/31/2005 14:00	31734	Metals-Water	Lead	0.075	ug/L	U	0.075	0.3
1/31/2005 14:00	31734	Metals-Water	Magnesium	0.02	mg/L	U	0.02	0.08
1/31/2005 14:00	31734	Metals-Water	Nickel	2	ug/L	U	2	8
1/31/2005 14:00	31734	Metals-Water	Selenium	0.5	ug/L	U	0.5	2
1/31/2005 14:00	31734	Metals-Water	Silver	0.025	ug/L	U	0.025	0.1
1/31/2005 14:00	31734	Metals-Water	Zinc	3	ug/L	U	3	12
1/31/2005 10:45	31733	Nutrients-Liquid	Ammonia-N	0.015	mg N/L	I	0.01	0.02
1/31/2005 10:45	31733	Nutrients-Liquid	Fluoride	0.092	mg F/L	I	0.05	0.1
1/31/2005 10:45	31733	Nutrients-Liquid	Kjeldahl Nitrogen	0.46	mg N/L		0.06	0.2
1/31/2005 10:45	31733	Nutrients-Liquid	NO2NO3-N	0.055	mg N/L		0.004	0.01
1/31/2005 10:45	31733	Nutrients-Liquid	O-Phosphate-P	0.007	mg P/L	I	0.004	0.01
1/31/2005 10:45	31733	Nutrients-Liquid	TSS	4	mg/L	U	4	16
1/31/2005 10:45	31733	Nutrients-Liquid	Total-P	0.077	mg P/L		0.02	0.06
1/31/2005 10:45	31733	Nutrients-Liquid	Turbidity	2.8	NTU		0.05	0.05
1/31/2005 14:00	31734	Nutrients-Liquid	Ammonia-N	0.01	mg N/L	U	0.01	0.02
1/31/2005 14:00	31734	Nutrients-Liquid	Fluoride	0.05	mg F/L	U	0.05	0.1
1/31/2005 14:00	31734	Nutrients-Liquid	Kjeldahl Nitrogen	0.06	mg N/L	U	0.06	0.2
1/31/2005 14:00	31734	Nutrients-Liquid	NO2NO3-N	0.004	mg N/L	U	0.004	0.01

Date Sampled	Field ID	Analyis Group	Component	Result	Units	Remark	MDL	PQL
1/31/2005 14:00	31734	Nutrients-Liquid	O-Phosphate-P	0.004	mg P/L	U	0.004	0.01
1/31/2005 14:00	31734	Nutrients-Liquid	Total-P	0.02	mg P/L	U	0.02	0.06
1/31/2005 10:45	31733	Overflow	Alpha, Total	1.7	pCi/L			
1/31/2005 10:45	31733	Overflow	Alpha-Counting Error	1.1	pCi/L			
1/31/2005 10:45	31733	Overflow	Radium 226	0.4	pCi/L			
1/31/2005 10:45	31733	Overflow	Radium 226-Counting Error	0.1	pCi/L			
1/31/2005 10:45	31733	Overflow	Radium 228	1	pCi/L	U		
1/31/2005 10:45	31733	Overflow	Radium 228-Counting Error	0.7	pCi/L			
1/31/2005 14:00	31734	Overflow	Alpha, Total	0.6	pCi/L			
1/31/2005 14:00	31734	Overflow	Alpha-Counting Error	0.5	pCi/L			
1/31/2005 14:00	31734	Overflow	Radium 226	0.1	pCi/L	U		
1/31/2005 14:00	31734	Overflow	Radium 226-Counting Error	0.1	pCi/L			
1/31/2005 14:00	31734	Overflow	Radium 228	1	pCi/L	U		
1/31/2005 14:00	31734	Overflow	Radium 228-Counting Error	0.7	pCi/L			

The Bioassay of Dixie Lime and Stone Company effluent sampled on January 31, 2005, NPDES #FL0025569.

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



The Priority Pollutants Analysis for Bioassay of Dixie Lime and Stone Company effluent sampled on January 31, 2005, NPDES #FL0025569.

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

