



Bioassays of
Cargill Fertilizer, Inc. – Riverview Fertilizer Plant
Hillsborough County
NPDES #FL0177130
Sampled July 26, 2004

November 2004

Biology Section
Bureau of Laboratories
Division of Resource Assessment and Management

Quality Manual No. 870346G
NELAC Certification No. E31780

Cargill Fertilizer, Inc. – Riverview Fertilizer Plant, 8813 Highway 41 South, Riverview, Hillsborough County, Florida, NPDES #FL0177130. Effluent samples for this facility were collected on July 27, 2004

Introduction

Cargill Fertilizer, Inc. – Riverview Fertilizer Plant is a phosphate fertilizer and chemical manufacturing facility. The operation includes the manufacture of sulfuric acid, phosphoric acid, fluorosilicic acid, monoammonium phosphate, diammonium phosphate, granular triple super-phosphate, and animal feed phosphates. Related operations include phosphogypsum storage, raw material storage and handling, wastewater storage and handling, process material handling, and product shipping facilities. The facility is currently operating as a production facility, producing approximately 1,500,000 tons of phosphoric acid per year and 7,5000,000 tons per year of phosphogypsum as a byproduct of the phosphoric acid manufacturing process.

The closed 325-acre unlined stack (phosphogypsum storage system) that was sampled has associated stormwater collection and monitoring systems, a groundwater monitoring system, and stack pore water seepage control mechanisms. There is no design flow for this permit. The average flow for July 2004 was 27.43 million gallons per day, and this outfall did not flow during the preceding months of 2004. The only treatment is settling and natural filtration of non-process wastewater and the discharge of stormwater runoff. Stack pore drainage is collected and discharged into the facility's cooling pond system. Outfall 024 from the closed stack discharges into Archie Creek and thence to Hillsborough Bay, both Class III Marine waters, and is located at approximately Latitude: 27° 52' 36" Longitude: 82° 23' 59." There is no toxicity testing requirement for this facility. (facility information provided by Jacki Champion of FDEP Southwest District Phosphate Management office).

Methods

Samples were collected from the NPDES Outfall 024 sampling point by Jacki Champion (FDEP Southwest District office) 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 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>.

Bioassay samples were aerated for 30 minutes at a rate of approximately 100 bubbles per minute to increase the dissolved oxygen from 2.0 mg/L to 7.5 mg/L prior to test initiation.

Toxicity Test Results

Tests were performed July 27-29, 2004.

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

Cyprinella leedsii 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 9.85 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. A saltwater AGP test was not performed; however, the freshwater AGP results suggest that nutrient enrichment may be an issue. The analytical chemistry suggests that the effluent is nitrogen-limited. The predicted AGP based on nitrogen and phosphorus concentrations was 12.81 ($\pm 20\%$) mg dry wt/L (Table 1; Miller et al. 1978).

Chemistry Results

Neither total residual chlorine nor total ammonia was detected in the bioassay sample in the laboratory. The total ammonia concentration in the sample collected and preserved for chemical analysis was 0.28 mg/L. Based on field measurements of pH, salinity and temperature, the calculated unionized ammonia concentration of the effluent was < 0.001 mg/L.

Cadmium, total suspended solids, and oil and grease were detected between the minimum quantitation limit and the practical quantitation limit. Aluminum, nickel, and total alpha radiation were detected at levels that comply with Class III Marine water quality standards. Effluent iron (1.83 mg/L) and fluoride (7.4 mg/L) levels exceeded their respective Class III Marine water quality criteria of ≤ 0.3 mg/L (62-302.530(39), F.A.C.) and ≤ 5.0 mg/L (62-302.530(33), 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 Outfall 024 for this facility on July 26, 2004, did not show acute toxicity to either test species during the 48-hour acute bioassays. The effluent AGP result exceeded the “problem” threshold for fresh receiving waters, suggesting nutrient enrichment may be an issue. Effluent iron and fluoride exceeded Class III marine water quality standards.

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) for total soluble nitrogen (TSIN) limitation of Pseudokirchneriella subcapitata for the sample collected from Cargill Fertilizer, Inc., Riverview Facility's Closed Stack, on July 26, 2004.

Location	AGP (measured)	Predicted AGP (TSIN) $\pm$ 20%	Inorganic N:P ratio
Effluent Samples	9.85	12.81 $\pm$ 2.562	0.03

Table 2. Effluent limits, Class III Criteria, and chemical data for samples from Cargill Fertilizer, Inc., Riverview Facility's Closed Stack, collected on July 26, 2004.

Cargill Fertilizer, Inc., Riverview Closed Stack	Class III Marine Stds	Effluent Limits	Effluent Samples
Organic Constituents (µg/L)			
None Detected	-	-	-
Metals (µg/L unless otherwise noted)			
Aluminum	≤ 1500	-	89
Arsenic	≤ 50	-	6 U
Cadmium	≤ 9.3	-	0.061 I
Calcium (mg/L)	-	-	287
Chromium-III	-	-	2 U
Copper	≤ 3.7	-	2.4 U
Iron	≤ 300	-	1830
Lead	≤ 8.5	-	0.29 U
Magnesium (mg/L)	-	-	5.2
Nickel	≤ 8.3	-	8.2
Selenium	≤ 71	-	0.5 U
Silver	-	-	0.01 U
Zinc	≤ 86	-	3 U
Nutrients (mg/L)			
Chloride	-	Report	15
TDS	-	-	1090 A
TSS	-	-	11 I
Ortho-phosphate	-	-	10
Total Phosphorus	-	Report	11 Q
Ammonia	-	-	0.28
Unionized Ammonia	-	-	< 0.001 c
Nitrate+Nitrite	-	-	0.057
Color	-	-	120
Total Kjeldahl Nitrogen	-	-	1.8
Organic Nitrogen	-	-	1.52 c
Total Nitrogen	-	Report	1.857 c
Turbidity	t	t	14
Fluoride	≤ 5.0	Report	7.4
Sulfate	-	Report	590
General Physical and Chemical Parameters			
Alpha, Total (pCi/L)	≤ 15	-	3.1
Alpha-Counting Error (pCi/L)	-	-	1.6
Radium 226 (pCi/L)	-	-	0.6
Radium 226-Counting Error (pCi/L)	-	-	0.1
Radium 228 (pCi/L)	-	-	0.9 U
Radium 228-Counting Error (pCi/L)	-	-	0.6
Radium 226 + 228 (pCi/L)	≤ 5	-	1.5 c
pH (S.U.)	6.5 - 8.5	6.5 - 8.5	6.5
Conductivity (umhos/cm)	-	-	1303
Temperature (C)	-	-	28
Dissolved Oxygen (mg/L)	≥ 4.0 s	-	-
Oil and Grease (mg/l)	≤ 5	-	1.1 I
Hardness (mg/L)	-	-	738.1 c
Total Residual Chlorine (mg/L) (lab)	≤ 0.01	-	< 0.03 U
AGP (mg DryWt/L)	-	-	9.85

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

c - calculated value

t - turbidity shall not exceed 29 NTUs above natural 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 quantitati

Q - Sample held beyond normal holding time

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

s - Single sample

Appendix 1. Bench Sheets

FDEP Biology Section - Acute Bioassay Bench Sheets

Facility: Cargill Fertilizer - Riverview

Address: 8813 U.S. Highway 41 South

City: Riverview County: Hillsborough

Contact/District: Jacki Champion / Southwest

NPDES Permit #: FL 0000001-0000001 / 5044101-17130

LIMS Job #: TLH-2004-07-27-86 LIMS Sample #: 770182

Sample Collection: Date: 7/26/04 Time: 1020

Hold time Start: Date: 7/26/04 Time: 1020

Comments: Tests performed per NPDES Permit no. 7/27/04

LIMS Data Entry: 8/6/04 MK

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:

PH adjustment: yes no Initial pH: 7.0 NaOH: 0 HCl: 0 Drops mL: 0 Final pH: 7.0

Aeration: yes Initial DO: 7.5 mg/L Final DO: 7.5 mg/L Duration: 30 minutes Rate: 100 bubbles/min

Salinity adjusted (Test 1): yes no Initial Salinity: 0 Final Salinity: 0 Salts: Hypersaline brine

Salinity adjusted (Test 2): yes no Initial Salinity: 0 Final Salinity: 0 Salts: Hypersaline brine

Dechlorination: yes no mL of 0.025N Sodium Thiosulfate per liter of sample. Final TRC: 0

Sample Validation:

Temperature: Shipped ≤5°C Yes No Hard 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

Jacki Champion

Jacki Champion

Jacki Champion

Jacki Champion

Jacki Champion

REVIEWER

V.2 2/25/04

Organisms loaded by: <u>mf</u>	Checked by: <u>JD</u>	<u>mf</u>			
Loading Verified by: <u>JD</u>	(initials)	Comments:			
m = missing d = dead BR = before renewal AR = after renewal					
Test Results:					
% mortality in 100% sample <u>0</u>					
LC ₅₀ : <u>>100%</u> 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).					

LIMS Sample #: 770182 Test #: 2 Test Started: Date 7/23/04 Time: 1440
Organism: C. leidis Test Ended: Date 7/29/04 Time: 1300
Organism Batch: 16 Diluent/ Batch: Well H₂O1 NA
Organism Age: 7 dys Food: YCT P. subcapitata Ariemia
Chamber Size 1000 mL Batch: 019404256
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	B13	5	5	5			
	B	B14	5	5	5			
	C	B15	5	5	5			
	D	B16	5	5	5			
100%	A	B17	5	5	5			
	B	B18	5	5	5			
	C	B19	5	5	5			
	D	B20	5	5	5			

Organisms loaded by: DB

Loading Verified by: MF

Checked by: MF MF MF

(initials)

Comments:

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

Test Results:

% mortality in 100% sample 0

LC₅₀ > 40

Organisms loaded by: <u>JD</u>	Checked by: <u>MF</u>
Loading Verified by: <u>MF</u>	(initials)

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

Test Results:
mortality in 100% sample 0
LC: $\geq 10\%$

LC₅₀: > 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).

LIMS Sample #: 770182 Test #: 1 of 2
 TEST SOP: TA07_01 Test Species: Ceriodaphnia dubia Cyprinella leedsi Pimephales promelas
Americanmysis bahia Menidia beryllina Other: _____

V.1 22404

Concentration	0 Hr.	24 Hr.	48 Hr. before renewal	48 Hr. after renewal	72 Hr.	96 Hr.
Replicate	A	B	B			
pH (S.U.)	7.9		7.8			
Temperature °C	26.0		24.6			
Dissolved Oxygen mg/L	7.3		7.7			
Conductivity μ mhos	399		215			
(initials) Measured by:	AD		MC			
(initials) Recorded by:	AD		MC			

Comments: 0198 CB

Concentration	0 Hr.	24 Hr.	48 Hr. before renewal	48 Hr. after renewal	72 Hr.	96 Hr.
Replicate	A	B	B			
pH (S.U.)	7.4		7.8			
Temperature °C	25.7		24.5			
Dissolved Oxygen mg/L	7.7		7.6			
Conductivity μ mhos	1226		1335			
(initials) Measured by:	AD		MC			
(initials) Recorded by:	AD		MC			

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 μ mhos						
(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 μ mhos						
(initials) Measured by:						
(initials) Recorded by:						

Comments:

V.1 22404

Sample #: 770182 Test #: 2 of 2
 TEST SOP: TA07_02 Test Species: *Ceriodaphnia dubia* *Epyrinella leeds* *Pimephales promelas*
Americamysis bahia *Menidia beryllina* Other:

V.1 2/24/04

Concentration	0 Hr.	24 Hr.	48 Hr. before renewal	48 Hr. after renewal	72 Hr.	96 Hr.
Replicate	A	B	C			
pH (S.U.)	7.3	7.8	7.6			
Temperature °C	26.2	24.6	25.6			
Dissolved Oxygen mg/L	7.3	5.8	6.7			
Conductivity μ mhos	1221	1246	1310			
(initials) Measured by:	AP	DN	MF			
(initials) Recorded by:	AP	DN	MF			

Comments:

Concentration	0 Hr.	24 Hr.	48 Hr. before renewal	48 Hr. after renewal	72 Hr.	96 Hr.
Replicate	A	B	C			
pH (S.U.)	6.4	8.2	8.2			
Temperature °C	26.0	24.6	25.7			
Dissolved Oxygen mg/L	7.6	6.6	7.5			
Conductivity μ mhos	339	284	260			
(initials) Measured by:	AP	DN	MF			
(initials) Recorded by:	AP	DN	MF			

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 μ mhos						
(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 μ mhos						
(initials) Measured by:						
(initials) Recorded by:						

Comments:

V.1 2/24/04

Appendix 2. Chemical Analyses performed on the effluent from the Cargill Fertilizer, Inc., Riverview closed stack Outfall 024, sampled on July 26, 2004.

Date Sampled	Field ID	Analysis Group	Component	Result	Units	Remark	MDL	PQL
7/26/04	OUTFALL 024	Bio-AGP/LimNut	Algal Growth Potential	9.85	mg DryWt/L		0.1	0.3
7/26/04	OUTFALL 024	Bio-Chl-a	Chlorophyll-A, Monochromatic, Water	76	ug/L		1.4	4.3
7/26/04	OUTFALL 024	Bio-Chl-a	Phaeophytin-A, Monochromatic, Water	0	ug/L		1.4	4.3
7/26/04	OUTFALL 024	Bio-Toxicology	Bioassay-Acute-Screen-FW-C.dubia, LC50	100	LC50	L		
7/26/04	OUTFALL 024	Bio-Toxicology	Bioassay-Acute-Screen-FW-Fish, LC50	100	LC50	L		
7/26/04	OUTFALL 024	BNA-Water	1,2,4-Trichlorobenzene	0.96	ug/L	U	0.96	3.8
7/26/04	OUTFALL 024	BNA-Water	1,2-Dichlorobenzene	0.96	ug/L	U	0.96	3.8
7/26/04	OUTFALL 024	BNA-Water	1,3-Dichlorobenzene	0.96	ug/L	U	0.96	3.8
7/26/04	OUTFALL 024	BNA-Water	1,4-Dichlorobenzene	0.96	ug/L	U	0.96	3.8
7/26/04	OUTFALL 024	BNA-Water	2,4,6-Trichlorophenol	0.96	ug/L	U	0.96	3.8
7/26/04	OUTFALL 024	BNA-Water	2,4-Dichlorophenol	0.96	ug/L	U	0.96	3.8
7/26/04	OUTFALL 024	BNA-Water	2,4-Dimethylphenol	48	ug/L	U	48	190
7/26/04	OUTFALL 024	BNA-Water	2,4-Dinitrophenol	14	ug/L	UJ	14	58
7/26/04	OUTFALL 024	BNA-Water	2,4-Dinitrotoluene	0.96	ug/L	U	0.96	3.8
7/26/04	OUTFALL 024	BNA-Water	2,6-Dinitrotoluene	0.96	ug/L	U	0.96	3.8
7/26/04	OUTFALL 024	BNA-Water	2-Chloronaphthalene	0.96	ug/L	U	0.96	3.8
7/26/04	OUTFALL 024	BNA-Water	2-Chlorophenol	0.96	ug/L	U	0.96	3.8
7/26/04	OUTFALL 024	BNA-Water	2-Methyl-4,6-dinitrophenol	2.9	ug/L	U	2.9	12
7/26/04	OUTFALL 024	BNA-Water	2-Nitrophenol	0.96	ug/L	U	0.96	3.8
7/26/04	OUTFALL 024	BNA-Water	3,3'-Dichlorobenzidine	38	ug/L	U	38	150
7/26/04	OUTFALL 024	BNA-Water	4,4'-DDD	1.4	ug/L	U	1.4	5.8
7/26/04	OUTFALL 024	BNA-Water	4,4'-DDE	1.4	ug/L	U	1.4	5.8
7/26/04	OUTFALL 024	BNA-Water	4,4'-DDT	1.4	ug/L	U	1.4	5.8
7/26/04	OUTFALL 024	BNA-Water	4-Bromophenyl phenyl ether	0.96	ug/L	U	0.96	3.8
7/26/04	OUTFALL 024	BNA-Water	4-Chloro-3-methylphenol	0.96	ug/L	U	0.96	3.8
7/26/04	OUTFALL 024	BNA-Water	4-Chlorophenyl phenyl ether	1.9	ug/L	U	1.9	7.7
7/26/04	OUTFALL 024	BNA-Water	4-Nitrophenol	14	ug/L	U	14	58
7/26/04	OUTFALL 024	BNA-Water	Acenaphthene	0.96	ug/L	U	0.96	3.8
7/26/04	OUTFALL 024	BNA-Water	Acenaphthylene	0.96	ug/L	U	0.96	3.8
7/26/04	OUTFALL 024	BNA-Water	Aldrin	1.4	ug/L	U	1.4	5.8
7/26/04	OUTFALL 024	BNA-Water	Anthracene	0.96	ug/L	U	0.96	3.8
7/26/04	OUTFALL 024	BNA-Water	Benzidine	96	ug/L	U	96	380
7/26/04	OUTFALL 024	BNA-Water	Benzo(a)anthracene	0.96	ug/L	U	0.96	3.8
7/26/04	OUTFALL 024	BNA-Water	Benzo(a)pyrene	0.96	ug/L	U	0.96	3.8
7/26/04	OUTFALL 024	BNA-Water	Benzo(b)fluoranthene	0.96	ug/L	U	0.96	3.8
7/26/04	OUTFALL 024	BNA-Water	Benzo(g,h,i)perylene	0.96	ug/L	U	0.96	3.8
7/26/04	OUTFALL 024	BNA-Water	Benzo(k)fluoranthene	0.96	ug/L	U	0.96	3.8
7/26/04	OUTFALL 024	BNA-Water	Bis(2-chloroethoxy)methane	0.96	ug/L	U	0.96	3.8
7/26/04	OUTFALL 024	BNA-Water	Bis(2-chloroethyl)ether	0.96	ug/L	U	0.96	3.8
7/26/04	OUTFALL 024	BNA-Water	Bis(2-chloroisopropyl)ether	2.9	ug/L	U	2.9	12
7/26/04	OUTFALL 024	BNA-Water	Bis(2-ethylhexyl)phthalate	14	ug/L	U	14	58
7/26/04	OUTFALL 024	BNA-Water	Butyl benzyl phthalate	4.8	ug/L	U	4.8	19
7/26/04	OUTFALL 024	BNA-Water	Chrysene	0.96	ug/L	U	0.96	3.8
7/26/04	OUTFALL 024	BNA-Water	Di-n-butyl phthalate	4.8	ug/L	U	4.8	19

7/26/04	OUTFALL 024	BNA-Water	Di-n-octyl phthalate	0.96	ug/L	U	0.96	3.8
7/26/04	OUTFALL 024	BNA-Water	Dibenzo(a,h)anthracene	0.96	ug/L	U	0.96	3.8
7/26/04	OUTFALL 024	BNA-Water	Dieldrin	1.4	ug/L	U	1.4	5.8
7/26/04	OUTFALL 024	BNA-Water	Diethyl phthalate	0.96	ug/L	U	0.96	3.8
7/26/04	OUTFALL 024	BNA-Water	Dimethyl phthalate	48	ug/L	U	48	190
7/26/04	OUTFALL 024	BNA-Water	Endosulfan I	3.8	ug/L	U	3.8	15
7/26/04	OUTFALL 024	BNA-Water	Endosulfan II	3.8	ug/L	U	3.8	15
7/26/04	OUTFALL 024	BNA-Water	Endosulfan sulfate	1.4	ug/L	U	1.4	5.8
7/26/04	OUTFALL 024	BNA-Water	Endrin	1.4	ug/L	U	1.4	5.8
7/26/04	OUTFALL 024	BNA-Water	Endrin aldehyde	3.8	ug/L	U	3.8	15
7/26/04	OUTFALL 024	BNA-Water	Fluoranthene	0.96	ug/L	U	0.96	3.8
7/26/04	OUTFALL 024	BNA-Water	Fluorene	0.96	ug/L	U	0.96	3.8
7/26/04	OUTFALL 024	BNA-Water	Heptachlor	1.4	ug/L	U	1.4	5.8
7/26/04	OUTFALL 024	BNA-Water	Heptachlor epoxide	1.4	ug/L	U	1.4	5.8
7/26/04	OUTFALL 024	BNA-Water	Hexachlorobenzene	0.96	ug/L	U	0.96	3.8
7/26/04	OUTFALL 024	BNA-Water	Hexachlorobutadiene	2.9	ug/L	U	2.9	12
7/26/04	OUTFALL 024	BNA-Water	Hexachlorocyclopentadiene	2.9	ug/L	UJ	2.9	12
7/26/04	OUTFALL 024	BNA-Water	Hexachloroethane	2.9	ug/L	U	2.9	12
7/26/04	OUTFALL 024	BNA-Water	Indeno(1,2,3-cd)pyrene	0.96	ug/L	U	0.96	3.8
7/26/04	OUTFALL 024	BNA-Water	Isophorone	0.96	ug/L	U	0.96	3.8
7/26/04	OUTFALL 024	BNA-Water	N-Nitrosodi-n-propylamine	1.9	ug/L	U	1.9	7.7
7/26/04	OUTFALL 024	BNA-Water	N-Nitrosodimethylamine	1.9	ug/L	U	1.9	7.7
7/26/04	OUTFALL 024	BNA-Water	N-Nitrosodiphenylamine	2.9	ug/L	U	2.9	12
7/26/04	OUTFALL 024	BNA-Water	Naphthalene	0.96	ug/L	U	0.96	3.8
7/26/04	OUTFALL 024	BNA-Water	Nitrobenzene	1.9	ug/L	U	1.9	7.7
7/26/04	OUTFALL 024	BNA-Water	Pentachlorophenol	2.9	ug/L	U	2.9	12
7/26/04	OUTFALL 024	BNA-Water	Phenanthrene	0.96	ug/L	U	0.96	3.8
7/26/04	OUTFALL 024	BNA-Water	Phenol	0.96	ug/L	U	0.96	3.8
7/26/04	OUTFALL 024	BNA-Water	Pyrene	0.96	ug/L	U	0.96	3.8
7/26/04	OUTFALL 024	BNA-Water	alpha-BHC	1.4	ug/L	U	1.4	5.8
7/26/04	OUTFALL 024	BNA-Water	beta-BHC	1.4	ug/L	U	1.4	5.8
7/26/04	OUTFALL 024	BNA-Water	delta-BHC	1.4	ug/L	U	1.4	5.8
7/26/04	OUTFALL 024	BNA-Water	gamma-BHC	1.4	ug/L	U	1.4	5.8
7/26/04	EQUIP. BLANK	BNA-Water	1,2,4-Trichlorobenzene	1.1	ug/L	U	1.1	4.2
7/26/04	EQUIP. BLANK	BNA-Water	1,2-Dichlorobenzene	1.1	ug/L	U	1.1	4.2
7/26/04	EQUIP. BLANK	BNA-Water	1,3-Dichlorobenzene	1.1	ug/L	U	1.1	4.2
7/26/04	EQUIP. BLANK	BNA-Water	1,4-Dichlorobenzene	1.1	ug/L	U	1.1	4.2
7/26/04	EQUIP. BLANK	BNA-Water	2,4,6-Trichlorophenol	1.1	ug/L	U	1.1	4.2
7/26/04	EQUIP. BLANK	BNA-Water	2,4-Dichlorophenol	1.1	ug/L	U	1.1	4.2
7/26/04	EQUIP. BLANK	BNA-Water	2,4-Dimethylphenol	53	ug/L	U	53	210
7/26/04	EQUIP. BLANK	BNA-Water	2,4-Dinitrophenol	16	ug/L	UJ	16	63
7/26/04	EQUIP. BLANK	BNA-Water	2,4-Dinitrotoluene	1.1	ug/L	U	1.1	4.2
7/26/04	EQUIP. BLANK	BNA-Water	2,6-Dinitrotoluene	1.1	ug/L	U	1.1	4.2
7/26/04	EQUIP. BLANK	BNA-Water	2-Chloronaphthalene	1.1	ug/L	U	1.1	4.2
7/26/04	EQUIP. BLANK	BNA-Water	2-Chlorophenol	1.1	ug/L	U	1.1	4.2
7/26/04	EQUIP. BLANK	BNA-Water	2-Methyl-4,6-dinitrophenol	3.2	ug/L	U	3.2	13
7/26/04	EQUIP. BLANK	BNA-Water	2-Nitrophenol	1.1	ug/L	U	1.1	4.2
7/26/04	EQUIP. BLANK	BNA-Water	3,3'-Dichlorobenzidine	42	ug/L	U	42	170
7/26/04	EQUIP. BLANK	BNA-Water	4,4'-DDD	1.6	ug/L	U	1.6	6.3
7/26/04	EQUIP. BLANK	BNA-Water	4,4'-DDE	1.6	ug/L	U	1.6	6.3
7/26/04	EQUIP. BLANK	BNA-Water	4,4'-DDT	1.6	ug/L	U	1.6	6.3
7/26/04	EQUIP. BLANK	BNA-Water	4-Bromophenyl phenyl ether	1.1	ug/L	U	1.1	4.2

7/26/04	EQUIP. BLANK	BNA-Water	4-Chloro-3-methylphenol	1.1	ug/L	U	1.1	4.2
7/26/04	EQUIP. BLANK	BNA-Water	4-Chlorophenyl phenyl ether	2.1	ug/L	U	2.1	8.4
7/26/04	EQUIP. BLANK	BNA-Water	4-Nitrophenol	16	ug/L	U	16	63
7/26/04	EQUIP. BLANK	BNA-Water	Acenaphthene	1.1	ug/L	U	1.1	4.2
7/26/04	EQUIP. BLANK	BNA-Water	Acenaphthylene	1.1	ug/L	U	1.1	4.2
7/26/04	EQUIP. BLANK	BNA-Water	Aldrin	1.6	ug/L	U	1.6	6.3
7/26/04	EQUIP. BLANK	BNA-Water	Anthracene	1.1	ug/L	U	1.1	4.2
7/26/04	EQUIP. BLANK	BNA-Water	Benzidine	110	ug/L	U	110	420
7/26/04	EQUIP. BLANK	BNA-Water	Benzo(a)anthracene	1.1	ug/L	U	1.1	4.2
7/26/04	EQUIP. BLANK	BNA-Water	Benzo(a)pyrene	1.1	ug/L	U	1.1	4.2
7/26/04	EQUIP. BLANK	BNA-Water	Benzo(b)fluoranthene	1.1	ug/L	U	1.1	4.2
7/26/04	EQUIP. BLANK	BNA-Water	Benzo(g,h,i)perylene	1.1	ug/L	U	1.1	4.2
7/26/04	EQUIP. BLANK	BNA-Water	Benzo(k)fluoranthene	1.1	ug/L	U	1.1	4.2
7/26/04	EQUIP. BLANK	BNA-Water	Bis(2-chloroethoxy)methane	1.1	ug/L	U	1.1	4.2
7/26/04	EQUIP. BLANK	BNA-Water	Bis(2-chloroethyl)ether	1.1	ug/L	U	1.1	4.2
7/26/04	EQUIP. BLANK	BNA-Water	Bis(2-chloroisopropyl)ether	3.2	ug/L	U	3.2	13
7/26/04	EQUIP. BLANK	BNA-Water	Bis(2-ethylhexyl)phthalate	16	ug/L	U	16	63
7/26/04	EQUIP. BLANK	BNA-Water	Butyl benzyl phthalate	5.3	ug/L	U	5.3	21
7/26/04	EQUIP. BLANK	BNA-Water	Chrysene	1.1	ug/L	U	1.1	4.2
7/26/04	EQUIP. BLANK	BNA-Water	Di-n-butyl phthalate	5.3	ug/L	U	5.3	21
7/26/04	EQUIP. BLANK	BNA-Water	Di-n-octyl phthalate	1.1	ug/L	U	1.1	4.2
7/26/04	EQUIP. BLANK	BNA-Water	Dibenzo(a,h)anthracene	1.1	ug/L	U	1.1	4.2
7/26/04	EQUIP. BLANK	BNA-Water	Dieldrin	1.6	ug/L	U	1.6	6.3
7/26/04	EQUIP. BLANK	BNA-Water	Diethyl phthalate	1.1	ug/L	U	1.1	4.2
7/26/04	EQUIP. BLANK	BNA-Water	Dimethyl phthalate	53	ug/L	U	53	210
7/26/04	EQUIP. BLANK	BNA-Water	Endosulfan I	4.2	ug/L	U	4.2	17
7/26/04	EQUIP. BLANK	BNA-Water	Endosulfan II	4.2	ug/L	U	4.2	17
7/26/04	EQUIP. BLANK	BNA-Water	Endosulfan sulfate	1.6	ug/L	U	1.6	6.3
7/26/04	EQUIP. BLANK	BNA-Water	Endrin	1.6	ug/L	U	1.6	6.3
7/26/04	EQUIP. BLANK	BNA-Water	Endrin aldehyde	4.2	ug/L	U	4.2	17
7/26/04	EQUIP. BLANK	BNA-Water	Fluoranthene	1.1	ug/L	U	1.1	4.2
7/26/04	EQUIP. BLANK	BNA-Water	Fluorene	1.1	ug/L	U	1.1	4.2
7/26/04	EQUIP. BLANK	BNA-Water	Heptachlor	1.6	ug/L	U	1.6	6.3
7/26/04	EQUIP. BLANK	BNA-Water	Heptachlor epoxide	1.6	ug/L	U	1.6	6.3
7/26/04	EQUIP. BLANK	BNA-Water	Hexachlorobenzene	1.1	ug/L	U	1.1	4.2
7/26/04	EQUIP. BLANK	BNA-Water	Hexachlorobutadiene	3.2	ug/L	U	3.2	13
7/26/04	EQUIP. BLANK	BNA-Water	Hexachlorocyclopentadiene	3.2	ug/L	UJ	3.2	13
7/26/04	EQUIP. BLANK	BNA-Water	Hexachloroethane	3.2	ug/L	U	3.2	13
7/26/04	EQUIP. BLANK	BNA-Water	Indeno(1,2,3-cd)pyrene	1.1	ug/L	U	1.1	4.2
7/26/04	EQUIP. BLANK	BNA-Water	Isophorone	1.1	ug/L	U	1.1	4.2
7/26/04	EQUIP. BLANK	BNA-Water	N-Nitrosodi-n-propylamine	2.1	ug/L	U	2.1	8.4
7/26/04	EQUIP. BLANK	BNA-Water	N-Nitrosodimethylamine	2.1	ug/L	U	2.1	8.4
7/26/04	EQUIP. BLANK	BNA-Water	N-Nitrosodiphenylamine	3.2	ug/L	U	3.2	13
7/26/04	EQUIP. BLANK	BNA-Water	Naphthalene	1.1	ug/L	U	1.1	4.2
7/26/04	EQUIP. BLANK	BNA-Water	Nitrobenzene	2.1	ug/L	U	2.1	8.4
7/26/04	EQUIP. BLANK	BNA-Water	Pentachlorophenol	3.2	ug/L	U	3.2	13
7/26/04	EQUIP. BLANK	BNA-Water	Phenanthrene	1.1	ug/L	U	1.1	4.2
7/26/04	EQUIP. BLANK	BNA-Water	Phenol	1.1	ug/L	U	1.1	4.2
7/26/04	EQUIP. BLANK	BNA-Water	Pyrene	1.1	ug/L	U	1.1	4.2
7/26/04	EQUIP. BLANK	BNA-Water	alpha-BHC	1.6	ug/L	U	1.6	6.3
7/26/04	EQUIP. BLANK	BNA-Water	beta-BHC	1.6	ug/L	U	1.6	6.3
7/26/04	EQUIP. BLANK	BNA-Water	delta-BHC	1.6	ug/L	U	1.6	6.3

7/26/04	EQUIP. BLANK	BNA-Water	gamma-BHC	1.6	ug/L	U	1.6	6.3
7/26/04	OUTFALL 024	GC-Water	Alachlor	0.58	ug/L	U	0.58	2.3
7/26/04	OUTFALL 024	GC-Water	Ametryn	0.048	ug/L	U	0.048	0.19
7/26/04	OUTFALL 024	GC-Water	Atrazine	0.048	ug/L	U	0.048	0.19
7/26/04	OUTFALL 024	GC-Water	Azinphos Methyl	0.048	ug/L	U	0.048	0.19
7/26/04	OUTFALL 024	GC-Water	Bromacil	0.19	ug/L	U	0.19	0.77
7/26/04	OUTFALL 024	GC-Water	Butylate	0.19	ug/L	U	0.19	0.77
7/26/04	OUTFALL 024	GC-Water	Chlorpyrifos Ethyl	0.048	ug/L	U	0.048	0.19
7/26/04	OUTFALL 024	GC-Water	Chlorpyrifos Methyl	0.096	ug/L	U	0.096	0.38
7/26/04	OUTFALL 024	GC-Water	Diazinon	0.048	ug/L	U	0.048	0.19
7/26/04	OUTFALL 024	GC-Water	Ethion	0.048	ug/L	U	0.048	0.19
7/26/04	OUTFALL 024	GC-Water	Ethoprop	0.096	ug/L	U	0.096	0.38
7/26/04	OUTFALL 024	GC-Water	Fenamiphos	0.19	ug/L	U	0.19	0.77
7/26/04	OUTFALL 024	GC-Water	Fonofos	0.096	ug/L	U	0.096	0.38
7/26/04	OUTFALL 024	GC-Water	Hexazinone	0.096	ug/L	U	0.096	0.38
7/26/04	OUTFALL 024	GC-Water	Malathion	0.14	ug/L	U	0.14	0.58
7/26/04	OUTFALL 024	GC-Water	Metalaxyl	0.24	ug/L	U	0.24	0.96
7/26/04	OUTFALL 024	GC-Water	Metolachlor	0.48	ug/L	U	0.48	1.9
7/26/04	OUTFALL 024	GC-Water	Metribuzin	0.096	ug/L	UJ	0.096	0.385
7/26/04	OUTFALL 024	GC-Water	Mevinphos	0.19	ug/L	U	0.19	0.77
7/26/04	OUTFALL 024	GC-Water	Naled	0.77	ug/L	UJ	0.769	3.08
7/26/04	OUTFALL 024	GC-Water	Norflurazon	0.096	ug/L	U	0.096	0.38
7/26/04	OUTFALL 024	GC-Water	Parathion Ethyl	0.14	ug/L	U	0.14	0.58
7/26/04	OUTFALL 024	GC-Water	Parathion Methyl	0.096	ug/L	U	0.096	0.38
7/26/04	OUTFALL 024	GC-Water	Phorate	0.048	ug/L	U	0.048	0.19
7/26/04	OUTFALL 024	GC-Water	Prometryn	0.14	ug/L	U	0.14	0.58
7/26/04	OUTFALL 024	GC-Water	Simazine	0.048	ug/L	U	0.048	0.19
7/26/04	EQUIP. BLANK	GC-Water	Alachlor	0.75	ug/L	U	0.75	3
7/26/04	EQUIP. BLANK	GC-Water	Ametryn	0.062	ug/L	U	0.062	0.25
7/26/04	EQUIP. BLANK	GC-Water	Atrazine	0.062	ug/L	U	0.062	0.25
7/26/04	EQUIP. BLANK	GC-Water	Azinphos Methyl	0.062	ug/L	U	0.062	0.25
7/26/04	EQUIP. BLANK	GC-Water	Bromacil	0.25	ug/L	U	0.25	1
7/26/04	EQUIP. BLANK	GC-Water	Butylate	0.25	ug/L	U	0.25	1
7/26/04	EQUIP. BLANK	GC-Water	Chlorpyrifos Ethyl	0.062	ug/L	U	0.062	0.25
7/26/04	EQUIP. BLANK	GC-Water	Chlorpyrifos Methyl	0.12	ug/L	U	0.12	0.5
7/26/04	EQUIP. BLANK	GC-Water	Diazinon	0.062	ug/L	U	0.062	0.25
7/26/04	EQUIP. BLANK	GC-Water	Ethion	0.062	ug/L	U	0.062	0.25
7/26/04	EQUIP. BLANK	GC-Water	Ethoprop	0.12	ug/L	U	0.12	0.5
7/26/04	EQUIP. BLANK	GC-Water	Fenamiphos	0.25	ug/L	U	0.25	1
7/26/04	EQUIP. BLANK	GC-Water	Fonofos	0.12	ug/L	U	0.12	0.5
7/26/04	EQUIP. BLANK	GC-Water	Hexazinone	0.12	ug/L	U	0.12	0.5
7/26/04	EQUIP. BLANK	GC-Water	Malathion	0.19	ug/L	U	0.19	0.75
7/26/04	EQUIP. BLANK	GC-Water	Metalaxyl	0.31	ug/L	U	0.31	1.2
7/26/04	EQUIP. BLANK	GC-Water	Metolachlor	0.62	ug/L	U	0.62	2.5
7/26/04	EQUIP. BLANK	GC-Water	Metribuzin	0.12	ug/L	UJ	0.125	0.5
7/26/04	EQUIP. BLANK	GC-Water	Mevinphos	0.25	ug/L	U	0.25	1
7/26/04	EQUIP. BLANK	GC-Water	Naled	1	ug/L	UJ	1	4
7/26/04	EQUIP. BLANK	GC-Water	Norflurazon	0.12	ug/L	U	0.12	0.5
7/26/04	EQUIP. BLANK	GC-Water	Parathion Ethyl	0.19	ug/L	U	0.19	0.75
7/26/04	EQUIP. BLANK	GC-Water	Parathion Methyl	0.12	ug/L	U	0.12	0.5
7/26/04	EQUIP. BLANK	GC-Water	Phorate	0.062	ug/L	U	0.062	0.25
7/26/04	EQUIP. BLANK	GC-Water	Prometryn	0.19	ug/L	U	0.19	0.75

7/26/04	EQUIP. BLANK	GC-Water	Simazine	0.062	ug/L	U	0.062	0.25
7/26/04	OUTFALL 024	Metals-Water	Aluminum	89	ug/L		5	20
7/26/04	OUTFALL 024	Metals-Water	Arsenic	6	ug/L	U	6	24
7/26/04	OUTFALL 024	Metals-Water	Cadmium	0.061	ug/L	I	0.025	0.1
7/26/04	OUTFALL 024	Metals-Water	Calcium	287	mg/L		0.1	0.4
7/26/04	OUTFALL 024	Metals-Water	Chromium	2	ug/L	U	2	8
7/26/04	OUTFALL 024	Metals-Water	Copper	2.4	ug/L	U	2.4	9.6
7/26/04	OUTFALL 024	Metals-Water	Iron	1830	ug/L		10	40
7/26/04	OUTFALL 024	Metals-Water	Lead	0.29	ug/L	U	0.29	1.2
7/26/04	OUTFALL 024	Metals-Water	Magnesium	5.2	mg/L		0.02	0.08
7/26/04	OUTFALL 024	Metals-Water	Nickel	8.2	ug/L		2	8
7/26/04	OUTFALL 024	Metals-Water	Selenium	0.5	ug/L	U	0.5	2
7/26/04	OUTFALL 024	Metals-Water	Silver	0.01	ug/L	U	0.01	0.04
7/26/04	OUTFALL 024	Metals-Water	Zinc	3	ug/L	U	3	12
7/26/04	EQUIP. BLANK	Metals-Water	Aluminum	10	ug/L	I	5	20
7/26/04	EQUIP. BLANK	Metals-Water	Arsenic	6	ug/L	U	6	24
7/26/04	EQUIP. BLANK	Metals-Water	Cadmium	0.025	ug/L	U	0.025	0.1
7/26/04	EQUIP. BLANK	Metals-Water	Calcium	0.19	mg/L	U	0.19	0.76
7/26/04	EQUIP. BLANK	Metals-Water	Chromium	2	ug/L	U	2	8
7/26/04	EQUIP. BLANK	Metals-Water	Copper	1	ug/L	U	1	4
7/26/04	EQUIP. BLANK	Metals-Water	Iron	10	ug/L	U	10	40
7/26/04	EQUIP. BLANK	Metals-Water	Lead	0.05	ug/L	U	0.05	0.2
7/26/04	EQUIP. BLANK	Metals-Water	Magnesium	0.02	mg/L	U	0.02	0.08
7/26/04	EQUIP. BLANK	Metals-Water	Nickel	2	ug/L	U	2	8
7/26/04	EQUIP. BLANK	Metals-Water	Selenium	0.5	ug/L	U	0.5	2
7/26/04	EQUIP. BLANK	Metals-Water	Silver	0.01	ug/L	U	0.01	0.04
7/26/04	EQUIP. BLANK	Metals-Water	Zinc	7.7	ug/L	I	3	12
7/26/04	OUTFALL 024	Nutrients-Liquid	Ammonia-N	0.28	mg N/L		0.01	0.02
7/26/04	OUTFALL 024	Nutrients-Liquid	Chloride	15	mg Cl/L		2	5
7/26/04	OUTFALL 024	Nutrients-Liquid	Color	120	PCU		10	10
7/26/04	OUTFALL 024	Nutrients-Liquid	Fluoride	7.4	mg F/L		0.05	0.1
7/26/04	OUTFALL 024	Nutrients-Liquid	Kjeldahl Nitrogen	1.8	mg N/L		0.06	0.2
7/26/04	OUTFALL 024	Nutrients-Liquid	NO2NO3-N	0.057	mg N/L		0.004	0.01
7/26/04	OUTFALL 024	Nutrients-Liquid	O-Phosphate-P	10	mg P/L		0.4	1
7/26/04	OUTFALL 024	Nutrients-Liquid	Sulfate	590	mg SO4/L		2	5
7/26/04	OUTFALL 024	Nutrients-Liquid	TDS	1090	mg/L	A	15	60
7/26/04	OUTFALL 024	Nutrients-Liquid	TSS	11	mg/L	I	4	16
7/26/04	OUTFALL 024	Nutrients-Liquid	Total-P	11	mg P/L	Q	0.8	2.4
7/26/04	OUTFALL 024	Nutrients-Liquid	Turbidity	14	NTU		0.05	0.05
7/26/04	EQUIP. BLANK	Nutrients-Liquid	Ammonia-N	0.01	mg N/L	U	0.01	0.02
7/26/04	EQUIP. BLANK	Nutrients-Liquid	Fluoride	0.05	mg F/L	U	0.05	0.1
7/26/04	EQUIP. BLANK	Nutrients-Liquid	Kjeldahl Nitrogen	0.06	mg N/L	U	0.06	0.2
7/26/04	EQUIP. BLANK	Nutrients-Liquid	NO2NO3-N	0.004	mg N/L	U	0.004	0.01
7/26/04	EQUIP. BLANK	Nutrients-Liquid	O-Phosphate-P	0.007	mg P/L	I	0.004	0.01
7/26/04	EQUIP. BLANK	Nutrients-Liquid	Sulfate	0.74	mg SO4/L		0.2	0.5
7/26/04	EQUIP. BLANK	Nutrients-Liquid	Total-P	0.02	mg P/L	U	0.02	0.06
7/26/04	OUTFALL 024	Overflow	Alpha, Total	3.1	pCi/L			
7/26/04	OUTFALL 024	Overflow	Alpha-Counting Error	1.6	pCi/L			
7/26/04	OUTFALL 024	Overflow	Oil and Grease	1.1	mg/l	I		
7/26/04	OUTFALL 024	Overflow	Radium 226	0.6	pCi/L			
7/26/04	OUTFALL 024	Overflow	Radium 226-Counting Error	0.1	pCi/L			

7/26/04	OUTFALL 024	Overflow	Radium 228	0.9	pCi/L	U
7/26/04	OUTFALL 024	Overflow	Radium 228-Counting Error	0.6	pCi/L	
7/26/04	EQUIP. BLANK	Overflow	Alpha, Total	0.8	pCi/L	U
7/26/04	EQUIP. BLANK	Overflow	Alpha-Counting Error	0.4	pCi/L	
7/26/04	EQUIP. BLANK	Overflow	Oil and Grease	0.69	mg/l	U
7/26/04	EQUIP. BLANK	Overflow	Radium 226	0.2	pCi/L	U
7/26/04	EQUIP. BLANK	Overflow	Radium 226-Counting Error	0.1	pCi/L	
7/26/04	EQUIP. BLANK	Overflow	Radium 228	0.8	pCi/L	U
7/26/04	EQUIP. BLANK	Overflow	Radium 228-Counting Error	0.5	pCi/L	

**The Bioassay of Cargill Fertilizer, Inc., Riverview closed stack
Outfall 024 sampled on July 26, 2004, NPDES #FL0177130.**

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

Transaction Code		NPDES NUMBER										YR/MO/DA				Insp Type	Inspector	Fac Type									
1	N	2	5	3	F	L	0	1	7	7	1	3	0	11	12	0	4	0	7	2	6	18	B	19	S	20	2
Remarks																											
66																											

**The Priority Pollutants Analysis for Bioassay of Cargill Fertilizer,
Inc., Riverview closed stack Outfall 024 sampled on July 26, 2004,
NPDES #FL0177130**

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

Transaction Code		NPDES NUMBER										YR/MO/DA				Insp Type	Inspector	Fac Type									
1	N	2	5	3	F	L	0	1	7	7	1	3	0	11	12	0	4	0	7	2	6	18	X	19	S	20	2
Remarks																											
66																											