CFIndustries

Donaldsonville
Nitrogen Complex
P.O. Box 468
Donaldsonville, LA 70346

225-473-8291
cfindustries.com

LDEQ RECEIPT

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October 25, 2013

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Louisiana Department of Environmental Quality
Office of Environmental Services
Water Permits Division
Post Office Box 4313
Baton Rouge, Louisiana 70821-4313
Attention: Mr. Sam Phillips, Assistant Secretary

Re: Application Addendum for Consolidation of LPDES Permits for the CF Industries Nitrogen, LLC, Donaldsonville Nitrogen Complex LPDES Permit Numbers LA0000418 and LA0005959, Agency Interest Numbers 2416 and 2245 **(Consolidate Under LA0000418, AI 2416)**

Dear Mr. Phillips:

CF Industries Nitrogen, LLC (CF Industries), is hereby submitting an addendum to the Louisiana Pollutant Discharge Elimination System (LPDES) permit application for the consolidation of LPDES permit numbers LA0000418 and LA0005959 for the facilities located within the CF Industries Donaldsonville Nitrogen Complex located in Ascension Parish, Louisiana. This addendum supplements the LPDES permit application originally submitted by CF Industries on June 28, 2013.

If you have questions regarding this submittal, please contact Ms. Valerie Barth, Manager of Environmental Affairs at 225-473-5585. Thank you for your cooperation in this matter.

Sincerely,

CF Industries Nitrogen, LLC

RECEIVED
OCT 25 2013

Louis M. Frey, III
Vice President/General Manager
Donaldsonville

LMF/ysc
G:_CurrentUsers\Permit App Info\Water_LPDES Permit Consol 2013\LDEQ LPDES Permit Addendum_102513.doc
Enclosures
cc: Valerie Barth, CF Industries
Aimee' R. Killeen, Providence
File 1.3.2.7

OCTOBER 2013

CF INDUSTRIES NITROGEN, LLC
DONALDSONVILLE NITROGEN COMPLEX
ASCENSION PARISH, LOUISIANA

CFIndustries®

PERMIT APPLICATION FOR CONSOLIDATION OF LPDES PERMIT NUMBERS LA0000418 AND LA0005959

AGENCY INTEREST NUMBERS 2416 AND 2245 RESPECTIVELY

Prepared By:

Providence Engineering and Environmental Group LLC
1201 Main Street
Baton Rouge, Louisiana 70802
(225) 766-7400
www.providenceeng.com

Project Number 172-006

PROVIDENCE

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1.0 INTRODUCTION

CF Industries Nitrogen, LLC (CF Industries), a wholly owned subsidiary of CF Industries Holdings, Inc., is the owner and operator of the Donaldsonville Nitrogen Complex located at 39018 Hwy. 3089 in Donaldsonville, Ascension Parish, Louisiana.

This document is being submitted as an addendum to the permit renewal application, originally submitted by CF Industries on June 28, 2013, for consolidation of the Louisiana Pollutant Discharge Elimination System (LPDES) Permits issued to the CF Industries Nitrogen, LLC, Donaldsonville Nitrogen Complex. This addendum includes among other items described herein, the addition of two new Outfalls to address post first-flush storm water overflows; the addition of a pH control point for storm water from the new UAN tank area, and the applicable updated application pages, figures and appendices.

CF Industries would like to note that the summary of whole effluent toxicity (WET) results presented in Section 7.0 of the June 28, 2013 application mistakenly stated that Table 3 of the application included WET testing results for the period of January 2010 through December 2012, whereas Table 3 actually contains WET testing results for the period of January 2008 through December 2012.

2.0 MISCELLANEOUS BPJ ALLOCATIONS

The Miscellaneous Best Professional Judgment (BPJ) Allocations included in Appendix G of the June 28, 2013 application are based on the December 1978 Itemized Nitrogen Allocations and production rates supplemented by in-process analytical data collected by CF Industries in March 2013. During this sampling event, boiler blowdown and cooling tower blowdown from the Urea Unit IV, Ammonia Unit IV, Nitric Acid Unit III, and UAN II were analyzed for organic nitrogen, nitrate, and ammonia. The analytical data was used to determine the ratio between the nitrate and ammonia concentrations. Based on this analytical data, the concentration of nitrate is approximately half of the ammonia concentration allocated to the cooling towers in the Ammonia Units. The nitrate and ammonia loading rates for the cooling towers in the Ammonia Units were then scaled based on the size of the cooling towers. The nitrate loading rates for the Urea and Nitric Acid cooling towers were scaled based on the flow rate from the Nitric Acid Unit I cooling tower which was the basis for the December 1978 Itemized Nitrogen Allocations. Based on the results of the March 2013 in process sampling event, there is an ammonia load from the Urea and Nitric Acid cooling towers. Therefore, the ammonia loading rates included at Appendix G for the Urea and Nitric Acid cooling towers were scaled based on flow rate and the ratio determined by the analytical data (i.e. approximately half the concentration allocated to the ammonia cooling towers).

Shipping losses were originally established by the December 1978 Itemized Nitrogen Allocations and corresponding production rates at that time. The

allocations requested for shipping losses in the June 28, 2013 consolidation application reflect current and proposed production rates at the Donaldsonville Nitrogen Complex.

Allocations for the hydrolysis of urea were also initially established based on the December 1978 Itemized Nitrogen Allocations and corresponding production rates at the time. The allocations requested in the June 28, 2013 consolidation application reflect current and proposed production rates at the Donaldsonville Nitrogen Complex.

3.0 WASTEWATER AND STORM WATER SAMPLING AND ANALYTICAL CONSIDERATIONS

At the time of submittal of the June 28, 2013 application, CF Industries had not yet completed the required effluent characterization sampling event required for the existing CF East discharges (Outfalls 001b, 101, 201, 004 and 005). Based on discussion with staff of the Water Permits Division, the effluent analytical data provided with the December 2010 CF West permit renewal is adequate for purposes of this permit consolidation.

The LPDES permit application regulations at LAC 33:IX.2501.G.7 and LAC 33:IX.2511.C.1.a.v. outline requirements for outfall effluent quantitative characterization for dry-weather and wet-weather discharges, respectively. The requirements are to report quantitative data for (1) certain basic or conventional pollutants for every outfall and (2) for certain non-conventional and toxic pollutants, based on industrial categorical classification, for every outfall effluent that contains process wastewater and/or "storm water associated with industrial activity."

The LPDES permit application regulations at LAC 33:IX.2501.G.7 outline requirements for outfall effluent characterization. With respect to process wastewater, the pertinent requirements are to report quantitative data for certain pollutants for every outfall that discharges process wastewater. In this case, at the current time, Outfall 001 is the only outfall at the Donaldsonville Nitrogen Complex that discharges process wastewater.

3.1 Dry-Weather

CF Industries conducted dry-weather sampling at Outfall 001 and internal Outfalls 101 and 201 on August 14, 2013 in accordance with the requirements of LAC 33:IX.2501.G.7 and USEPA Application Form 2C. Because the effluent discharged through Outfall 001 from a pond with a retention time greater than 24 hours, only one-time grab samples were collected (not 24-hour composites). Because the discharges from Internal Outfalls 101 and 201 are small and intermittent in nature, only one-time grab samples were collected. The results from the sampling event are reported on the attached USEPA Form 2C data tables (Appendix B).

3.2 Wet-Weather

The LPDES permit application regulations at LAC 33:IX.2511.C.1.a.v require the reporting of quantitative data on USEPA Application Form 2F based on samples collected from all outfalls containing a storm water discharge associated with industrial activity in accordance with the procedures outlined at LAC 33:IX.2501.G.7. Outfalls 004 and 005 were sampled during a wet-weather sampling event(s) on August 20, 2013. The storm event(s) during which the storm water sampling was conducted fulfilled the regulatory requirements for a representative storm event. Storm water sampling protocols were followed with the collection of required "first-flush" grab samples and subsequent composite samples at both outfalls. Temperature and pH were measured in the field using grab samples. The results from the sampling event are reported on the attached USEPA Form 2F data tables (Appendix D).

4.0 REQUESTED PERMIT CONDITIONS

4.1 Addition of New Outfalls to Address Storm Water Discharges

CF Industries is requesting that two additional post first-flush storm water outfalls, 006 and 007, be established in the consolidated permit. These outfalls will discharge infrequently, only during large rainfall events when rainfall intensities exceed the pumping capacities, as further discussed below.

CF Industries is designing the expansion area to include dikes and/or berms around process areas and areas with high pollutant potential. During normal operating conditions, waters collected within these diked areas will be routed for pH control prior to discharge through Outfall 001c. Based on the real potential for severe and intense wet-weather events, CF has designed overflow or outfall points from these diked areas in order to prevent flooding of equipment within these diked areas during extreme wet weather events. CF Industries is therefore requesting that LDEQ establish outfalls to account for the infrequent overflow of post first flush storm water from these localized portions of the drainage system. As shown on updated Figure 2, CF Industries is requesting that the drainage from these two areas be established as Outfalls 006 and 007 in the consolidated permit. Discharge from these outfalls will occur only as the result of heavy rainfall events of such intensity and duration that cause the overloading of the drainage collection system designed to route the storm water to pH control prior to discharge through Outfall 001c.

The excess, accumulated post first flush storm water from Outfall 006 will overflow the new diked warehouse area on the East side of the complex and drain through the ditch/swale that will parallel the proposed railroad.

The excess, accumulated post first flush storm water from Outfall 007 will overflow the new process area west of the New Effluent Pond and will drain through the ditch/swale that parallels the process area road.

The discharge of post first flush storm water from both Outfall 006 and 007 will exit CF Industries property along Louisiana Highways 70 and 3089 where it will commingle with highway runoff and agricultural runoff, and eventually flow through agricultural drainage to the Bayou Verret watershed, south-southwest of the Donaldsonville Nitrogen Complex (see attached **Figure 1**). Bayou Verret is a tributary of Bayou Citamon, which drains into Bayou Chevreuil, a tributary of Lac Des Allemands. The Bayous Verret/Citamon/Chevreuil watershed is subsegment 020101 in the Barataria Water Quality Management Basin.

The following are descriptions of the new outfalls CF Industries is requesting to be established in the permit consolidation through revocation and reissuance of LA0000418.

- Outfall 006 – the intermittent discharge of post first-flush storm water runoff
- Outfall 007 – the intermittent discharge of post first-flush storm water runoff

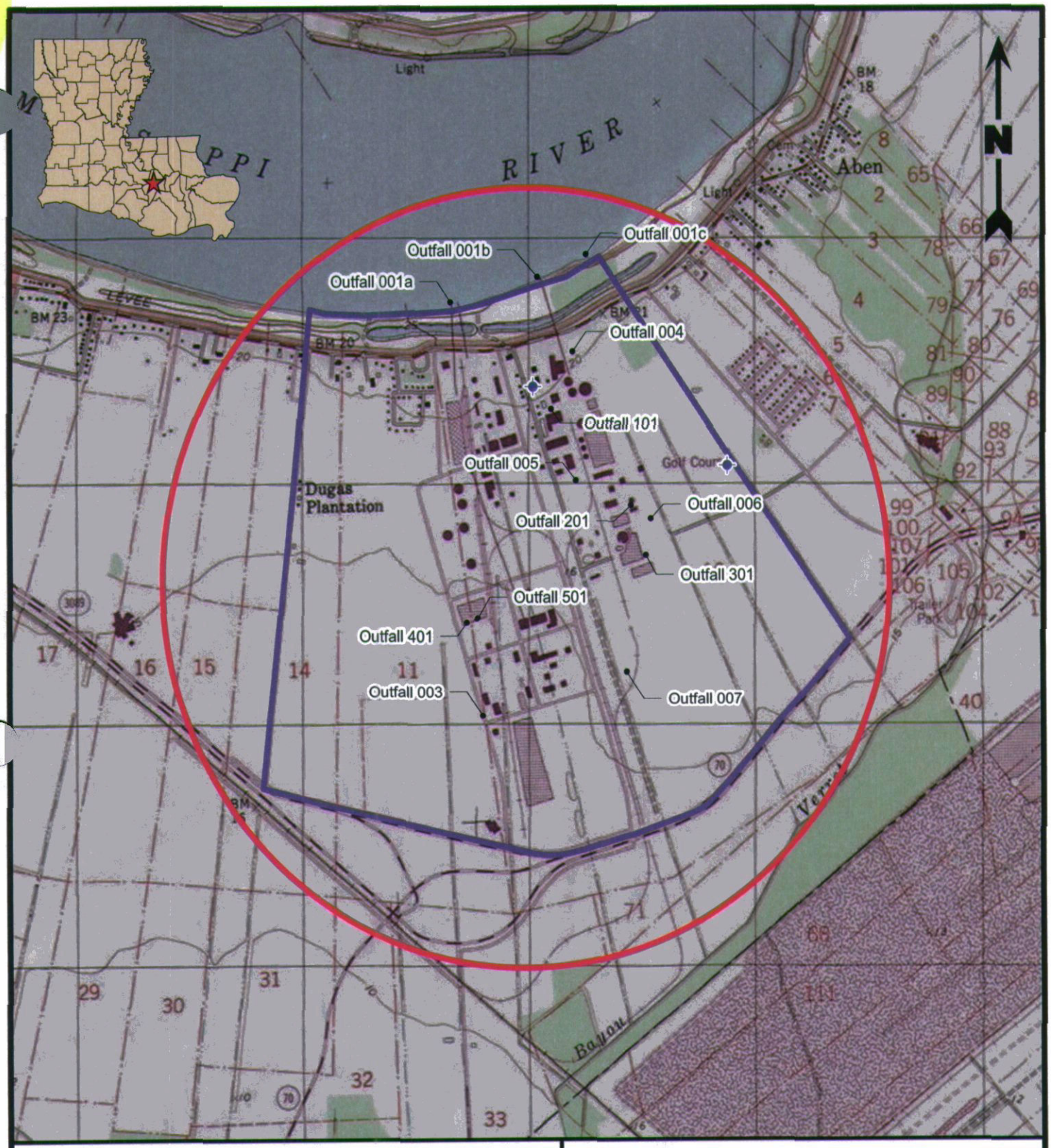
Please note that subsequent to submittal of the June 28, 2013 consolidation permit application, CF Industries has slightly adjusted the drainage area for Outfall 001c, which has reduced the storm water flow to final Outfall 001 in Phase II of the permit. The adjusted numbers are reflected on the attached updated **Figure 3** and **Appendix B**.

4.2 Removal of Temperature Limitations and Monitoring Requirements in the Consolidated Permit

The existing LPDES permits, LA0000418 and LA0005959 contain temperature limitations and continuous monitoring requirements for Outfall 001 (Outfalls 001a and 001b). The temperature requirements in both permits are based on previous permits. The Fertilizer Manufacturing Point Source Category Effluent Guidelines (40 CFR 418) do not establish temperature limitations for process wastewater. The Development Document for the Fertilizer Manufacturing Point Source Category states that secondary parameters such as temperature were not included in the guidelines because treatment technology of the primary parameters will effect removal of these secondary parameters. The temperature levels in the discharge from Outfall 001 do not have the reasonable potential to cause or contribute to an exceedance of the temperature water quality criterion for the Mississippi River. CF Industries requests the removal of the temperature parameter in Outfall 001 (001a, 001b and 001c) for Phases I and II in the renewal permit.

FIGURE 1

UPDATED SITE LOCATION MAP



2,000 1,000 0 2,000 Feet

Legend

- Property Boundary
- One Mile Radius
- Water Well Location

Reference

Base map comprised of U.S.G.S. 7.5 minute topographic map, "Donaldsonville, LA". Registered Water Wells obtained from the DNR SONRIS water well server as of 05/22/13. Any plugged and abandoned wells, destroyed wells, monitor wells, test holes, piezometers, observation wells, and recovery wells that may exist are not included in this inventory.

Site Location Map

LPDES Permit Consolidation
Donaldsonville, Ascension Parish, Louisiana

CF Industries Nitrogen, LLC
Donaldsonville Nitrogen Complex

PROVIDENCE

Drawn By	LMM	09/06/13
Checked By	LMH	09/06/13
Approved By	RPC	09/06/13

Project Number: 172-006

Drawing Number: 172-006-A039

1 Figure

Providence Engineering and Environmental Group LLC

FIGURE 2

UPDATED FACILITY PLOT PLAN AND STORM WATER DRAINAGE MAP

Legend

- Property Boundary
- Waters of the U.S.
- New Ditches
- New Rail
- New Infrastructure
- New Roads
- Existing
- Area Not Associated With Industry Activity, Drains Though Local Drainage To Bayou Verrett
- Area Drains to Outfall 001a
- Area Drains to Outfall 001b
- Area Drains to Outfall 001c
- Area Periodically Drains to Outfall 006
- Area Periodically Drains to Outfall 007
- Area Periodically Drains to Outfall 003
- Area Drains to Outfall 004
- Area Drains to Outfall 005
- 004 Outfall Location

Reference

Base map comprised of client provided figure titled: D'ville Capacity Expansion, dated: 03/18/13, file name: permitSite Development CO Erevc.dwg.

400 0 400

Scale: 1" = 400'

Site Plan

LPDES Permit Consolidation
Donaldsonville, Ascension Parish, Louisiana

CF Industries Nitrogen, LLC
Donaldsonville Nitrogen Complex

PROVIDENCE

Drawn By	LMM	06/27/13
Checked By	LMH	06/27/13
Approved By	ARK	06/27/13

Project Number 172-006

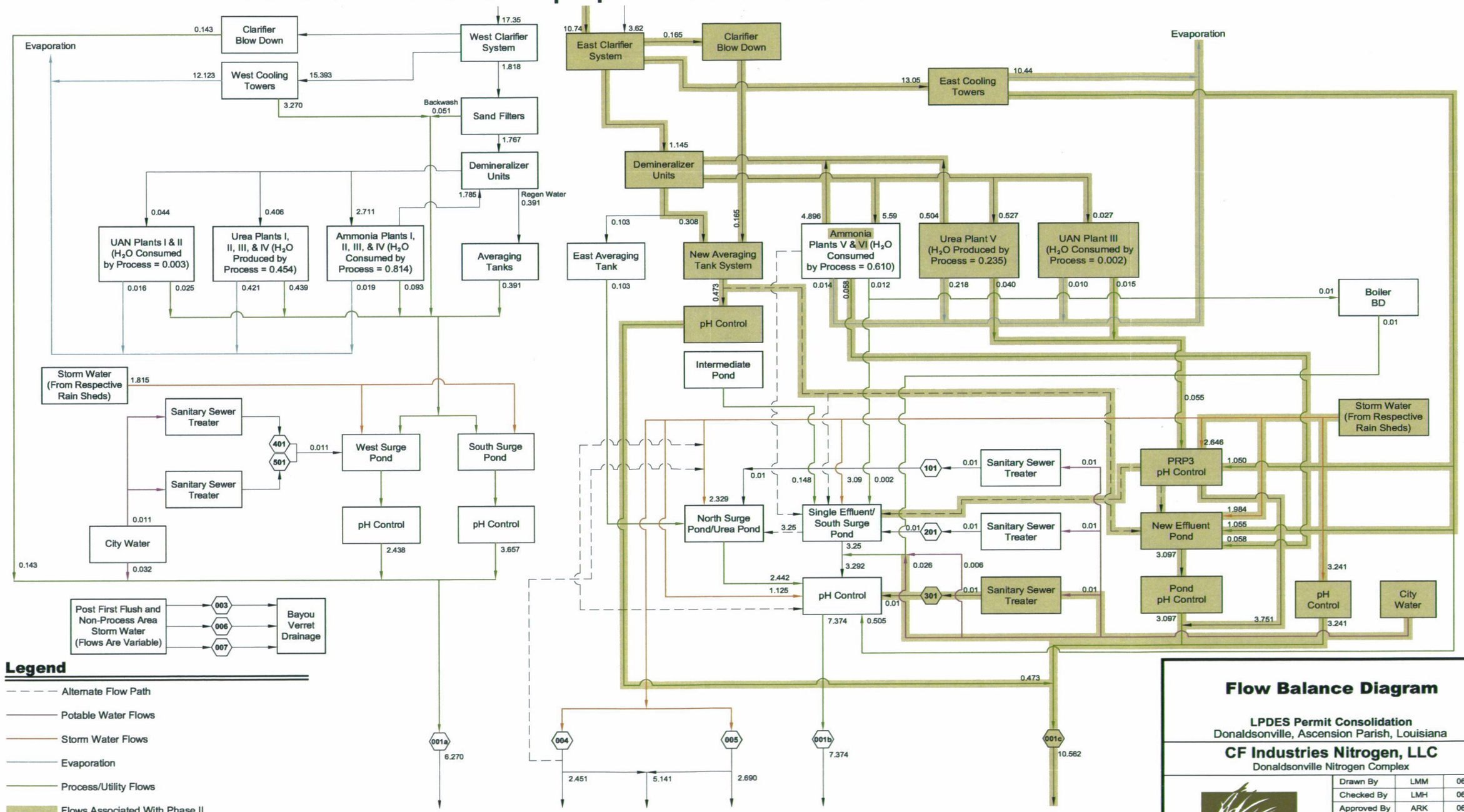
Drawing Number 172-006-C040

2 Figure

Providence Engineering and Environmental Group LLC

FIGURE 3

UPDATED WATER / WASTEWATER FLOW BALANCE DIAGRAM



Flow Balance Diagram

LPDES Permit Consolidation
Donaldsonville, Ascension Parish, Louisiana

CF Industries Nitrogen, LLC
Donaldsonville Nitrogen Complex

PROVIDENCE

Drawn By	LMM	06/17/13
Checked By	LMH	06/17/13
Approved By	ARK	06/17/13
Project Number 172-006		3 Figure
Drawing Number 172-006-B038		

APPENDIX B

UPDATED PAGES OF USEPA APPLICATION FORM 2C

Please print or type in the unshaded areas only.	EPA I.D. NUMBER (copy from Item 1 of Form 1) LAD056022387	Form Approved OMB No. 2040-0086 Approval expires 7-31-88

FORM 2C

EPA

U.S. ENVIRONMENTAL PROTECTION AGENCY
APPLICATION FOR PERMIT TO DISCHARGE WASTEWATER
EXISTING MANUFACTURING, COMMERCIAL, MINING AND SILVICULTURAL OPERATIONS
Consolidated Permits Program

I. OUTFALL LOCATION

For each outfall, list the latitude and longitude of this location to the nearest 15 seconds and the name of the receiving water.

A. OUTFALL NUMBER	B. LATITUDE			C. LONGITUDE			D. RECEIVING WATER (name)
	1. DEG.	2. MIN.	3. SEC.	1. DEG.	2. MIN.	3. SEC.	
001a	30°	05'	01.96"	90°	57'	31.70"	Mississippi River
001b	30°	05'	57"	90°	57'	14"	Mississippi River
001c	30°	06'	16.33	90°	57'	10.72"	Mississippi River
101	30°	05'	56"	90°	57'	17"	via Outfall 001b to the Mississippi River
201	30°	05'	43"	90°	57'	4"	via Outfall 001b to the Mississippi River
301	30°	05'	36.33"	90°	57'	1.70"	via Outfall 001b to the Mississippi River
401	30°	05'	27.76"	90°	57'	31.54"	via Outfall 001a to the Mississippi River
501	30°	05'	28.30"	90°	57'	29.79"	via Outfall 001a to the Mississippi River
003	30°	05'	14.91"	90°	57'	29.20"	via local drainage to Bayou Verret
004	30°	06'	05"	90°	57'	14"	Mississippi River
005	30°	05'	46"	90°	57'	12"	Mississippi River
006	30°	05'	41.18"	90°	57'	00.76"	via local drainage to Bayou Verret
007	30°	05'	20.75"	90°	57'	05.17"	via local drainage to Bayou Verret

II. FLOWS, SOURCES OF POLLUTION and TREATMENT TECHNOLOGIES

A. Attach a line drawing showing the water flow through the facility. Indicate sources of intake water, operations contributing wastewater to the effluent and treatment units labeled to correspond to the more detailed descriptions in Item B. Construct a water balance on the line drawing by showing average flows between intakes, operations, treatment units and outfalls. If a water balance cannot be determined (e.g., for certain mining activities), provide a pictorial description of the nature and amount of sources of water and collection or treatment measures.

B. For each outfall, provide a description of: (1) all operations contributing wastewater to the effluent, including process wastewater, sanitary wastewater, cooling water and storm water runoff; (2) the average flow contributed by each operation; and (3) the treatment received by the wastewater. Continue on additional sheets if necessary.

1. OUTFALL NO. (list)	2. OPERATION(S) CONTRIBUTING FLOW		3. TREATMENT	
	a. OPERATION (list)	b. AVERAGE FLOW GPD	a. DESCRIPTION	b. LIST CODES FROM TABLE 2C-1
Outfall 001 (including 001a, 001b, & 001c)	Sand Filter Backwash	Phase I - 51,000 Phase II - 51,000	Neutralization, discharge to surface water	2-K, 4-A
	Demineralizer Regeneration and backwash wastewater	Phase I – 494,000 Phase II – 802,000	Neutralization, discharge to surface water	2-K, 4-A
	Ammonia Process Wastewater	Phase I – 105,000 Phase II – 163,000	Ammonia stripping, reuse/recycle	1-A, 4-C
	Urea Process Wastewater	Phase I - 439,000 Phase II – 479,000	Ammonia stripping, reuse/recycle	1-A, 4-C
	UAN Process Wastewater	Phase I – 25,000 Phase II – 40,000	Reuse/recycle	4-C
	Sanitary Wastewater (Outfalls 101, 201, 301, 401 & 501)	Phase I – 31,000 Phase II – 41,000	Activated sludge, disinfection (chlorine) discharge to surface	3-A, 2-F, 4-A
	Other City Water	Phase I - 38,000 Phase II – 64,000	Discharge to surface water	4-A
	Process and Non-Process Area Storm Water Runoff	Phase I – 8,359,000 Phase II – 16,230,000	Discharge to surface water	4-A
	Miscellaneous Wastewaters (see Narrative Section 8.4 for itemized list of streams)	Phase I - De Minimus Phase II - De Minimus	Discharge to surface water	4-A
	Clarifier Blowdown	Phase I – 273,000 Phase II – 308,000	Neutralization, discharge to surface water	2-K, 4-A
	Cooling Tower Blowdown	Phase I - 3,775,000 Phase II – 5,880,000	Discharge to surface water	4-A
101	Treated Sanitary Wastewater (all sanitary flows are the same for both Phases I and II)	10,000	Activated sludge; chlorination	3-A, 4-A
201		10,000	Activated sludge; chlorination	3-A, 4-A
301		10,000	Activated sludge; chlorination	3-A, 4-A
401		11,000	Activated sludge; chlorination	3-A, 4-A
501			Activated sludge; chlorination	3-A, 4-A
003, 006, 007	Post First-Flush Process and Non-process Area Storm Water Runoff	Phase I - De Minimus Phase II - De Minimus	Discharge to surface water	4-A
004	Non Process Area Storm Water Runoff	Both Phases – 2,451,000	Neutralization, discharge to surface water	2-K, 4-A
005	Non Process Area Storm Water Runoff	Both Phases – 2,690,000		

EPA I.D NUMBER LAD056022387

OUTFALL NUMBER 001b

V. INTAKE AND EFFLUENT CHARACTERISTICS (Continued From Page 3 of Form 2C) [redacted]

Part A

1. POLLUTANT	2. EFFLUENT a. MAXIMUM DAILY VALUE (1) CONC.	a. MAXIMUM DAILY VALUE (2) MASS	b. MAXIMUM 30 DAY VALUE (1) CONC.	b. MAXIMUM 30 DAY VALUE (2) MASS	c. LONG TERM AVERAGE (1) CONC.	c. LONG TERM AVERAGE (2) MASS	d. NO. OF ANALYSES	3. UNITS a. CONC.	3. UNITS b. MASS	4. INTAKE (OPTIONAL) a. LONG TERM AVG (1) CONC.	a. LONG TERM AVG (2) MASS	b. NO. OF ANALYSES
a. Biochemical Oxygen Demand (BOD)	6	136	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
b. Chemical Oxygen Demand (COD)	14	318	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
c. Total Organic Carbon (TOC)	19	182	19	182	10	63	24	mg/L	lbs/day	NA	NA	NA
d. Total Suspended Solids (TSS)	690.0	15662	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
e. Ammonia (as N)	NA	415	NA	98	NA	34	104	mg/L	lbs/day	NA	NA	NA
f. Flow	VALUE	2.99	VALUE	2.15	VALUE	0.76	Cont. record	MGD		NA	NA	NA
g. Temperature (summer) **See Note (1)**	VALUE	101	VALUE	89	VALUE	83.4	Cont. record	°F		NA	NA	NA
h. Temperature (winter) **See Note (1)**	VALUE	90	VALUE	81	VALUE	71.1	Cont. record	°F		NA	NA	NA
	MINIMUM	MAXIMUM	[redacted]				Cont. record					
i. pH	2.6	12.7					Cont. record	S.U.		NA	NA	NA

Part B

3. POLLUTANT AND CAS NO.	2a. BELIEVED PRESENT	2b. BELIEVED ABSENT	3. EFFLUENT a. MAXIMUM DAILY VALUE (1) CONC.	a. MAXIMUM DAILY VALUE (2) MASS	b. MAXIMUM 30 DAY VALUE (1) CONC.	b. MAXIMUM 30 DAY VALUE (2) MASS	c. LONG TERM AVERAGE (1) CONC.	c. LONG TERM AVERAGE (2) MASS	d. NO. OF ANALYSES	4. UNITS a. CONC.	4. UNITS b. MASS	5. INTAKE (OPTIONAL) a. LONG TERM AVG (1) CONC.	a. LONG TERM AVG (2) MASS	b. NO. OF ANALYSES
a. Bromide (24959-67-9)		X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
b. Chlorine, Total Residual (7782-50-5)		X	< 0.01	< 0.23	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
c. Color (True, Apparent)	X		15	NA	NA	NA	NA	NA	1	PtCo Units	NA	NA	NA	NA
d. Fecal Coliform **See Note (5)**	X		2000	NA	NA	NA	NA	NA	1	col/100mL	NA	NA	NA	NA
e. Fluoride (16984-48-8)		X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
f. Nitrate-Nitrite (as N) (7727-37-9)	X		5.4	122.6	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
g. Nitrogen, Total Organic (as N)	X		2.7	61.3	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
h. Oil & Grease		X	11.0	108.3	11	108.3	5.67	35.9	24	mg/L	lbs/day	NA	NA	NA
i. Phosphorus (as P), Total (7723-14-0)	X		0.88	20.0	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
j. Radioactivity alpha, Total		X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
j. Radioactivity beta, Total		X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
j. Radioactivity Radium, Total		X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
j. Radioactivity Radium 226, Total		X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
k. Sulfate (as SO_4) (14808-79-8)	X		560	12711	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
l. Sulfide (as S) (18496-25-8)		X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
m. Sulfite (as SO_3) (14265-45-3)		X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
n. Surfactants		X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
o. Aluminum, Total (7429-90-5)	X		1.84	42	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
p. Barium, Total (7440-33-3)		X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
q. Boron, Total (7440-42-8)		X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
r. Cobalt, Total (7440-48-4)		X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
s. Iron, Total (7439-89-6)	X		1.52	35	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
t. Magnesium, Total (7439-95-4)	X		19.80	449	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
u. Molybdenum, Total (7439-98-7)	X		7.08	160.7	NA	NA	NA	NA	1	µg/L	lbs/day	NA	NA	NA
v. Manganese, Total (7439-96-5)		X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
w. Tin, Total (7440-31-5)		X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
x. Titanium, Total (7440-32-6)		X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Continued....

EPA I.D NUMBER LAD056022387

OUTFALL NUMBER 001b

1. POLLUTANT AND CAS NUMBER	2a. TESTING REQUIRED	2b BELIEVED PRESENT	2c BELIEVED ABSENT	3. EFFLUENT a. MAXIMUM DAILY VALUE (1) CONC.	a. MAXIMUM DAILY VALUE (2) MASS	b. MAXIMUM 30 DAY VALUE (1) CONC.	b. MAXIMUM 30 DAY VALUE (2) MASS	c. LONG TERM AVERAGE (1) CONC.	c. LONG TERM AVERAGE (2) MASS	d. NO OF ANALYSES	4. UNITS a. CONC.	4. UNITS b. MASS	5. INTAKE (OPTIONAL) a. LONG TERM AVG (1) CONC.	a. LONG TERM AVG (2) MASS	b. NO. OF ANALYSES
Part C-Metals, Cyanide, and Total Phenols															
1M. Antimony, Total (7440-36-0)	X		X	3.80	0.086	NA	NA	NA	NA	1	µg/L	lbs/day	NA	NA	NA
2M. Arsenic, Total (7440-38-2)	X	X		39.20	0.890	NA	NA	NA	NA	1	µg/L	lbs/day	NA	NA	NA
3M. Beryllium, Total (7440-41-7)	X		X	< 0.37	< 0.008	NA	NA	NA	NA	1	µg/L	lbs/day	NA	NA	NA
4M. Cadmium, Total (7440-43-9)	X		X	< 0.59	< 0.013	NA	NA	NA	NA	1	µg/L	lbs/day	NA	NA	NA
5M. Chromium, Total (7440-47-3)	X	X		5.13	0.116	NA	NA	NA	NA	1	µg/L	lbs/day	NA	NA	NA
6M. Copper, Total (7440-50-8)	X	X		32.10	0.729	NA	NA	NA	NA	1	µg/L	lbs/day	NA	NA	NA
7M. Lead, Total (7439-92-1)	X	X		0.94	0.021	NA	NA	NA	NA	1	µg/L	lbs/day	NA	NA	NA
8M. Mercury, Total (7439-97-6)	X		X	< 0.0031	< 0.0001	NA	NA	NA	NA	1	µg/L	lbs/day	NA	NA	NA
9M. Nickel, Total (7440-02-0) **See Note (4)**	X	X		54.20	1.230	NA	NA	NA	NA	1	µg/L	lbs/day	NA	NA	NA
10M. Selenium, Total (7782-49-2)	X		X	0.75	0.017	NA	NA	NA	NA	1	µg/L	lbs/day	NA	NA	NA
11M. Silver, Total (7440-22-4)	X		X	< 0.06	< 0.001	NA	NA	NA	NA	1	µg/L	lbs/day	NA	NA	NA
12M. Thallium, Total (7440-28-0)	X		X	< 0.50	< 0.011	NA	NA	NA	NA	1	µg/L	lbs/day	NA	NA	NA
13M. Zinc, Total (7440-66-6)	X	X		38.40	0.872	NA	NA	NA	NA	1	µg/L	lbs/day	NA	NA	NA
14M. Cyanide, Total (57-12-5)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
15M. Phenols, Total			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dioxin															
2,3,7,8-Tetrachlorodibenzo P-Dioxin (1764-01-6)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Part C-Volatile Compounds															
1V. Acrolein (107-02-8)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2V. Acrylonitrile (107-13-1)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3V. Benzene (71-43-2)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4V. Bis (Chloromethyl) Ether (542-88-1)	NA (2)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
5V. Bromoform (75-25-2)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
6V. Carbon Tetrachloride (56-23-5)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
7V. Chlorobenzene (108-90-7)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
8V. Chlorodibromomethane (124-48-1)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
9V. Chloroethane (75-00-3)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
10V. 2-Chloroethylvinyl Ether (110-75-8)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
11V. Chloroform (67-66-3)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
12V. Dichlorobromomethane (75-27-4)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
13V. Dichlorodifluoromethane (75-71-8)	NA (2)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
14V. 1,1-Dichloroethane (75-34-3)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
15V. 1,2-Dichloroethane (107-06-2)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
16V. 1,1-Dichloroethylene (75-35-4)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
17V. 1,2-Dichloropropane (78-87-5)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
18V. 1,3-Dichloropropylene (542-75-6)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
19V. Ethylbenzene (100-41-4)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
20V. Methyl Bromide (74-83-9)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
21V. Methyl Chloride (74-87-3)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
22V. Methylene Chloride (75-09-2)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Continued....

EPA I.D NUMBER LAD056022387

OUTFALL NUMBER 001b

1. POLLUTANT AND CAS NUMBER	2a. TESTING REQUIRED	2b BELIEVED PRESENT	2c BELIEVED ABSENT	3. EFFLUENT a. MAXIMUM DAILY VALUE (1) CONC.	a. MAXIMUM DAILY VALUE (2) MASS	b. MAXIMUM 30 DAY VALUE (1) CONC.	b. MAXIMUM 30 DAY VALUE (2) MASS	c. LONG TERM AVERAGE (1) CONC.	c. LONG TERM AVERAGE (2) MASS	d. NO OF ANALYSES	4. UNITS a. CONC.	4. UNITS b. MASS	5. INTAKE (OPTIONAL) a. LONG TERM AVG (1) CONC.	a. LONG TERM AVG (2) MASS	b. NO. OF ANALYSES
23V. 1,1,2,2-Tetrachloroethane (79-34-5)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
24V. Tetrachloroethylene (127-18-4)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
25V. Toluene (108-88-3)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
26V. 1,2-Trans-Dichloroethylene (156-60-5)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
27V. 1,1,1-Trichloroethane (71-55-6)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
28V. 1,1,2-Trichloroethane (79-00-5)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
29V. Trichloroethylene (79-01-6)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
30V. Trichlorofluoromethane (75-69-4)	NA (2)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
31V. Vinyl Chloride (75-01-4)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Part C - Acid Compounds															
1A. 2-Chlorophenol (95-57-8)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2A. 2,4-Dichlorophenol (120-83-2)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3A. 2,4-Dimethylphenol (105-67-9)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4A. 4,6-Dinitro-o-Cresol (534-52-1)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
5A. 2,4-Dinitrophenol (51-28-5)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
6A. 2-Nitrophenol (88-75-5)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
7A. 4-Nitrophenol (100-02-7)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
8A. p-Chloro-m-Cresol (59-50-7)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
9A. Pentachlorophenol (87-86-5)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
10A. Phenol (108-95-2)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
11A. 2,4,6-Trichlorophenol (88-06-2)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Part C - Base/Neutral Compounds															
1B. Acenaphthene (83-32-9)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2B. Acenaphthylene (208-96-8)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3B. Anthracene (120-12-7)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4B. Benzidine (92-87-5)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
5B. Benzo (a) Anthracene (56-55-3)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
6B. Benzo (a) Pyrene (50-32-8)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
7B. 3,4-Benzofluoranthene (205-99-2)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
8B. Benzo (g,h,i) Perylene (191-24-2)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
9B. Benzo (k) Flouranthene (207-08-9)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
10B. Bis(2-Chloroethoxy) Methane (111-91-1)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
11B. Bis(2-Chloroethyl) Ether (111-44-4)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
12B. Bis(2-Chlorisopropyl) Ether (102-60-1)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
13B. Bis(2-Ethylhexyl) Phthalate (117-81-7)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
14B. 4-Bromophenyl Phenyl Ether (101-55-3)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
15B. Butyl Benzyl Phthalate (85-68-7)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
16B. 2-Chloronaphthalene (91-58-7)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
17B. 4-Chlorophenyl Phenyl Ether (7005-72-3)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
18B. Chrysene (218-01-9)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
19B. Dibenzo (a,h) Anthracene (53-70-3)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Continued....

EPA I.D NUMBER LAD056022387

OUTFALL NUMBER 001b

1. POLLUTANT AND CAS NUMBER	2a. TESTING REQUIRED	2b BELIEVED PRESENT	2c BELIEVED ABSENT	3. EFFLUENT a. MAXIMUM DAILY VALUE (1) CONC.	a. MAXIMUM DAILY VALUE (2) MASS	b. MAXIMUM 30 DAY VALUE (1) CONC.	b. MAXIMUM 30 DAY VALUE (2) MASS	c. LONG TERM AVERAGE (1) CONC.	c. LONG TERM AVERAGE (2) MASS	d. NO OF ANALYSES	4. UNITS a. CONC.	4. UNITS b. MASS	5. INTAKE (OPTIONAL) a. LONG TERM AVG (1) CONC.	a. LONG TERM AVG (2) MASS	b. NO. OF ANALYSES
20B. 1,2-Dichlorobenzene (95-50-1)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
21B. 1,3-Dichlorobenzene (541-73-1)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
22B. 1,4-Dichlorobenzene (106-46-7)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
23B. 3,3-Dichlorobenzidine (91-94-1)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
24B. Diethyl Phthalate (84-66-2)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
25B. Dimethyl Phthalate (131-11-3)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
26B. Di-n-Butyl Phthalate (84-74-2)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
27B. 2,4-Dinitrotoluene (121-14-2)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
28B. 2,6-Dinitrotoluene (606-20-2)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
29B. Di-n-Octyl Phthalate (117-84-0)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
30B. 1,2-Diphenylhydrazine (122-66-7)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
31B. Fluoranthene (206-44-0)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
32B. Fluorene (86-73-7)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
33B. Hexachlorobenzene (118-74-1)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
34B. Hexachlorobutadiene (87-68-3)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
35B. Hexachlorocyclopentadiene (77-47-4)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
36B. Hexachloroethane (67-72-1)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
37B. Indeno (1,2,3-cd) Pyrene (193-39-5)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
38B. Isophorone (78-59-1)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
39B. Naphthalene (91-20-3)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
40B. Nitrobenzene (98-95-3)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
41B. N-Nitrosodimethylamine (62-75-9)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
42B. N-Nitrosodí-n-Propylamine (621-64-7)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
43B. N-Nitrosodiphenylamine (86-30-6)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
44B. Phenanthrene (85-01-8)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
45B. Pyrene (129-00-0)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
46B. 1,2,4-Trichlorobenzene (120-82-1)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1P. Aldrin (309-00-2)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2P. alpha-BHC (319-84-6)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3P. beta-BHC (319-25-7)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4P. gamma-BHC (58-89-9)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
5P. delta BHC (319-86-8)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
6P. Chlordane (57-74-9)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
7P. 4,4-DDT (50-29-3)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
8P. 4,4-DDE (72-55-9)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
9P. 4,4-DDD (72-54-8)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
10P. Dieldrín (60-57-1)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
11P. alpha-Endosulfan (959-98-8)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
12P. beta-Endosulfan (33213-65-9)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
13P. Endosulfan Sulfate (1031-07-8)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Continued....

EPA I.D NUMBER LAD056022387

OUTFALL NUMBER 001b

1. POLLUTANT AND CAS NUMBER	2a. TESTING REQUIRED	2b BELIEVED PRESENT	2c BELIEVED ABSENT	3. EFFLUENT a. MAXIMUM DAILY VALUE (1) CONC.	a. MAXIMUM DAILY VALUE (2) MASS	b. MAXIMUM 30 DAY VALUE (1) CONC.	b. MAXIMUM 30 DAY VALUE (2) MASS	c. LONG TERM AVERAGE (1) CONC.	c. LONG TERM AVERAGE (2) MASS	d. NO OF ANALYSES	4. UNITS a. CONC.	b. MASS	5. INTAKE (OPTIONAL) a. LONG TERM AVG (1) CONC.	a. LONG TERM AVG (2) MASS	b. NO. OF ANALYSES
14P. Endrin (72-20-8)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
15P. Endrin Aldehyde (7421-93-4)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
16P. Heptachlor (76-44-8)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
17P. Heptachlor Epoxide (1024-57-3)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
18P. PCB 1242 (53469-21-9)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
19P. PCB 1254 (11097-69-1)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
20P. PCB 1221 (11104-28-2)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
21P. PCB 1232 (11141-16-5)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
22P. PCB 1248 (12672-29-6)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
23P. PCB 1260 (11096-82-5)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
24P. PCB 1016 (12674-11-2)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
25P. Toxaphene (8001-35-2)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Other Parameters															
Carbonaceous Biochemical Oxygen Demand (CBOD5) (C-002)	(3)	X		3.60	81.71	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
Nitrate (as Nitrogen) (1497-55-8)	(3)	X		5.3	120.3	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
Chloride (16887-00-6)	(3)	X		38	863	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
Nitrogen, Total Kjeldahl	(3)	X		12	272	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
Total Dissolved Solids (E-10173)	(3)	X		1000	22698	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA

Dry weather sampling was conducted on 8/14/2013 for required parameters for the LPDES permit renewal application. As allowed at LAC 33:IX.2501.G.7.a, only one-time grab samples were collected as the discharge is from a holding pond with greater than 24 hours retention.

The following flow rate was used to convert the 8/14/2013 sampling event data from concentration to mass where applicable: 2.72 MGD

Historical analytical data from the period August 2011 through July 2013 are reported for the following parameters routinely monitored under the LPDES permit: ammonia (as nitrogen), Oil & Grease, TOC, pH, and temperature. Data are reported for the period August 2011 through July 2013 for flow rate.

All single analytical results reported with a "less-than" sign (<) were either (1) non-detected in the effluent sample at or below the analytical method detection limit (MDL) achieved by the applicable laboratory analytical method, or (2) non-detected and quantifiable at the practical quantitation limit (PQL) achieved by the applicable laboratory analytical method. For pollutants with multiple analyses, when an average was calculated, a less-than sign indicates that at least one analytical result was non-detected.

The majority of the laboratory analyses for the 8/14/2013 sampling events was performed by TestAmerica of Mobile, AL. Total residual chlorine was analyzed in the field by Providence personnel. Fecal coliform was analyzed by Saam's Water Lab of Baton Rouge, LA. All methods were in accordance with 40 CFR 136.

(1) Temperature is continuously monitored at Outfall 001. Historical data were divided into summer months (April - September) and winter months (October - March) in accordance with LDEQ guidance.

(2) While this parameter still appears on USEPA Form 2C, it is no longer required to be analyzed under the pertinent regulations.

(3) Additional analytes reported for the purposes of the Water Quality Screen which may be conducted for this outfall, the purposes of the permit shield, because of storm water permit application requirements at LAC 33:IX.2511.C.1.a.v., or because the parameter is contained in the currently effective LPDES permit.

(4) Please note that the laboratory analysis identified the pollutant in the lab blank as well as the samples. CF does not have reason to believe there are elevated levels of the pollutant in the effluent.

(5) The discharge to Outfall 001b is from a pond that receives various wastewater streams including process wastewater, storm water and previously treated sanitary wastewater. The previously treated sanitary wastewater passes through the respective internal outfall prior to being routed to the effluent pond for additional treatment and ultimate discharge through Outfall 001b to the Mississippi River. These internal outfalls require monitoring of the sanitary wastewater for fecal coliform prior to routing to the pond.

NA = Testing not required; not applicable
mg/L = milligrams per liter
µg/L = micrograms per liter
lbs/day = pounds per day
MGD = million gallons per day
°F = degrees Farenheit
S.U. = standard units

EPA I.D NUMBER LAD056022387

OUTFALL NUMBER 101

V. INTAKE AND EFFLUENT CHARACTERISTICS (Continued From Page 3 of Form 2C)

Part A

1. POLLUTANT	2. EFFLUENT a. MAXIMUM DAILY VALUE (1) CONC.	(2) MASS	b. MAXIMUM 30 DAY VALUE (1) CONC.	(2) MASS	c. LONG TERM AVERAGE (1) CONC.	(2) MASS	d. NO. OF ANALYSES	3. UNITS a. CONC.	b. MASS	4. INTAKE (OPTIONAL) a. LONG TERM AVG (1) CONC.	(2) MASS	b. NO. OF ANALYSES
a. Biochemical Oxygen Demand (BOD) See Note (3)	5	0.42	5	0.42	3.25	0.27	4	mg/L	lbs/day	NA	NA	NA
b. Chemical Oxygen Demand (COD)	6.9	0.04	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
c. Total Organic Carbon (TOC)	4.4	0.03	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
d. Total Suspended Solids (TSS)	12.0	1.0	12.0	1.0	7.5	0.63	4	mg/L	lbs/day	NA	NA	NA
e. Ammonia (as N)	0.02	0.00013	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
f. Flow	VALUE	0.01	VALUE	0.01	VALUE	0.01	4	MGD		NA	NA	NA
g. Temperature (summer)	VALUE	81.86	VALUE	NA	VALUE	NA	1	°F		NA	NA	NA
h. Temperature (winter)	VALUE	NA	VALUE	NA	VALUE	NA	NA	°F		NA	NA	NA
i. pH	MINIMUM NA	MAXIMUM 8.17					1	S.U.		NA	NA	NA

Part B

3. POLLUTANT AND CAS NO.	2a. BELIEVED PRESENT	2b. BELIEVED ABSENT	3. EFFLUENT a. MAXIMUM DAILY VALUE (1) CONC.	(2) MASS	b. MAXIMUM 30 DAY VALUE (1) CONC.	(2) MASS	c. LONG TERM AVERAGE (1) CONC.	(2) MASS	d. NO. OF ANALYSES	4. UNITS a. CONC.	b. MASS	5. INTAKE (OPTIONAL) a. LONG TERM AVG (1) CONC.	(2) MASS	b. NO. OF ANALYSES
a. Bromide (24959-67-9)		X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
b. Chlorine, Total Residual (7782-50-5)		X	< 0.01	< 0.0001	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
c. Color (True, Apparent)		X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
d. Fecal Coliform	X		10	NA	10	NA	10	NA	4	col/100mL	NA	NA	NA	NA
e. Fluoride (16984-48-8)		X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
f. Nitrate-Nitrite (as N) (7727-37-9)	X		36.0	0.2	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
g. Nitrogen, Total Organic (as N)		X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
h. Oil & Grease		X	< 5.0	< 0.032	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
i. Phosphorus (as P), Total (7723-14-0)	X		1.1	0.007	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
j. Radioactivity alpha, Total		X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
j. Radioactivity beta, Total		X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
j. Radioactivity Radium, Total		X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
j. Radioactivity Radium 226, Total		X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
k. Sulfate (as SO_4) (14808-79-8)		X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
l. Sulfide (as S) (18496-25-8)		X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
m. Sulfite (as SO_3) (14265-45-3)		X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
n. Surfactants		X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
o. Aluminum, Total (7429-90-5)		X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
p. Barium, Total (7440-33-3)		X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
q. Boron, Total (7440-42-8)		X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
r. Cobalt, Total (7440-48-4)		X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
s. Iron, Total (7439-89-6)		X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
t. Magnesium, Total (7439-95-4)		X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
u. Molybdenum, Total (7439-98-7)		X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
v. Manganese, Total (7439-96-5)		X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
w. Tin, Total (7440-31-5)		X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
x. Titanium, Total (7440-32-6)		X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Continued....

EPA I.D NUMBER LAD056022387

OUTFALL NUMBER 101

1. POLLUTANT AND CAS NUMBER	2a. TESTING REQUIRED	2b BELIEVED PRESENT	2c BELIEVED ABSENT	3. EFFLUENT a. MAXIMUM DAILY VALUE (1) CONC.	a. MAXIMUM DAILY VALUE (2) MASS	b. MAXIMUM 30 DAY VALUE (1) CONC.	b. MAXIMUM 30 DAY VALUE (2) MASS	c. LONG TERM AVERAGE (1) CONC.	c. LONG TERM AVERAGE (2) MASS	d. NO OF ANALYSES	4. UNITS a. CONC.	4. UNITS b. MASS	5. INTAKE (OPTIONAL) a. LONG TERM AVG (1) CONC.	a. LONG TERM AVG (2) MASS	b. NO. OF ANALYSES
Part C-Metals, Cyanide, and Total Phenols															
1M. Antimony, Total (7440-36-0)			X	NA	NA	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
2M. Arsenic, Total (7440-38-2)			X	NA	NA	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
3M. Beryllium, Total (7440-41-7)			X	NA	NA	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
4M. Cadmium, Total (7440-43-9)			X	NA	NA	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
5M. Chromium, Total (7440-47-3)			X	NA	NA	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
6M. Copper, Total (7440-50-8)			X	NA	NA	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
7M. Lead, Total (7439-92-1)			X	NA	NA	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
8M. Mercury, Total (7439-97-6)			X	NA	NA	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
9M. Nickel, Total (7440-02-0)			X	NA	NA	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
10M. Selenium, Total (7782-49-2)			X	NA	NA	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
11M. Silver, Total (7440-22-4)			X	NA	NA	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
12M. Thallium, Total (7440-28-0)			X	NA	NA	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
13M. Zinc, Total (7440-66-6)			X	NA	NA	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
14M. Cyanide, Total (57-12-5)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
15M. Phenols, Total			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dioxin															
2,3,7,8-Tetrachlorodibenzo P-Dioxin (1764-01-6)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Part C-Volatile Compounds															
1V. Acrolein (107-02-8)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2V. Acrylonitrile (107-13-1)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3V. Benzene (71-43-2)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4V. Bis (Chloromethyl) Ether (542-88-1)	NA (1)	NA	X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
5V. Bromoform (75-25-2)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
6V. Carbon Tetrachloride (56-23-5)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
7V. Chlorobenzene (108-90-7)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
8V. Chlorodibromomethane (124-48-1)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
9V. Chloroethane (75-00-3)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
10V. 2-Chloroethylvinyl Ether (110-75-8)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
11V. Chloroform (67-66-3)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
12V. Dichlorobromomethane (75-27-4)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
13V. Dichlorodifluoromethane (75-71-8)	NA (1)	NA	X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
14V. 1,1-Dichloroethane (75-34-3)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
15V. 1,2-Dichloroethane (107-06-2)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
16V. 1,1-Dichloroethylene (75-35-4)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
17V. 1,2-Dichloropropane (78-87-5)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
18V. 1,3-Dichloropropylene (542-75-6)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
19V. Ethylbenzene (100-41-4)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
20V. Methyl Bromide (74-83-9)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
21V. Methyl Chloride (74-87-3)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
22V. Methylene Chloride (75-09-2)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Continued....

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OUTFALL NUMBER 101

1. POLLUTANT AND CAS NUMBER	2a. TESTING REQUIRED	2b BELIEVED PRESENT	2c BELIEVED ABSENT	3. EFFLUENT a. MAXIMUM DAILY VALUE (1) CONC.	a. MAXIMUM DAILY VALUE (2) MASS	b. MAXIMUM 30 DAY VALUE (1) CONC.	b. MAXIMUM 30 DAY VALUE (2) MASS	c. LONG TERM AVERAGE (1) CONC.	c. LONG TERM AVERAGE (2) MASS	d. NO OF ANALYSES	4. UNITS a. CONC.	4. UNITS b. MASS	5. INTAKE (OPTIONAL) a. LONG TERM AVG (1) CONC.	a. LONG TERM AVG (2) MASS	b. NO. OF ANALYSES
23V. 1,1,2,2-Tetrachloroethane (79-34-5)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
24V. Tetrachloroethylene (127-18-4)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
25V. Toluene (108-88-3)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
26V. 1,2-Trans-Dichloroethylene (156-60-5)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
27V. 1,1,1-Trichloroethane (71-55-6)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
28V. 1,1,2-Trichloroethane (79-00-5)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
29V. Trichloroethylene (79-01-6)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
30V. Trichlorofluoromethane (75-69-4)	NA (1)	NA	X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
31V. Vinyl Chloride (75-01-4)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Part C - Acid Compounds															
1A. 2-Chlorophenol (95-57-8)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2A. 2,4-Dichlorophenol (120-83-2)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3A. 2,4-Dimethylphenol (105-67-9)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4A. 4,6-Dinitro-o-Cresol (534-52-1)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
5A. 2,4-Dinitrophenol (51-28-5)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
6A. 2-Nitrophenol (88-75-5)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
7A. 4-Nitrophenol (100-02-7)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
8A. p-Chloro-m-Cresol (59-50-7)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
9A. Pentachlorophenol (87-86-5)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
10A. Phenol (108-95-2)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
11A. 2,4,6-Trichlorophenol (88-06-2)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Part C - Base/Neutral Compounds															
1B. Acenaphthene (83-32-9)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2B. Acenaphthylene (208-96-8)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3B. Anthracene (120-12-7)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4B. Benzidine (92-87-5)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
5B. Benzo (a) Anthracene (56-55-3)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
6B. Benzo (a) Pyrene (50-32-8)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
7B. 3,4-Benzofluoranthene (205-99-2)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
8B. Benzo (g,h,i) Perylene (191-24-2)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
9B. Benzo (k) Flouranthene (207-08-9)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
10B. Bis(2-Chloroethoxy) Methane (111-91-1)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
11B. Bis(2-Chloroethyl) Ether (111-44-4)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
12B. Bis(2-Chlorisopropyl) Ether (102-60-1)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
13B. Bis(2-Ethylhexyl) Phthalate (117-81-7)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
14B. 4-Bromophenyl Phenyl Ether (101-55-3)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
15B. Butyl Benzyl Phthalate (85-68-7)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
16B. 2-Chloronaphthalene (91-58-7)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
17B. 4-Chlorophenyl Phenyl Ether (7005-72-3)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
18B. Chrysene (218-01-9)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
19B. Dibenzo (a,h) Anthracene (53-70-3)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

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OUTFALL NUMBER 101

1. POLLUTANT AND CAS NUMBER	2a. TESTING REQUIRED	2b BELIEVED PRESENT	2c BELIEVED ABSENT	3. EFFLUENT a. MAXIMUM DAILY VALUE (1) CONC.	a. MAXIMUM DAILY VALUE (2) MASS	b. MAXIMUM 30 DAY VALUE (1) CONC.	b. MAXIMUM 30 DAY VALUE (2) MASS	c. LONG TERM AVERAGE (1) CONC.	c. LONG TERM AVERAGE (2) MASS	d. NO OF ANALYSES	4. UNITS a. CONC.	4. UNITS b. MASS	5. INTAKE (OPTIONAL) a. LONG TERM AVG (1) CONC.	a. LONG TERM AVG (2) MASS	b. NO. OF ANALYSES
20B. 1,2-Dichlorobenzene (95-50-1)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
21B. 1,3-Dichlorobenzene (541-73-1)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
22B. 1,4-Dichlorobenzene (106-46-7)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
23B. 3,3-Dichlorobenzidine (91-94-1)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
24B. Diethyl Phthalate (84-66-2)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
25B. Dimethyl Phthalate (131-11-3)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
26B. Di-n-Butyl Phthalate (84-74-2)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
27B. 2,4-Dinitrotoluene (121-14-2)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
28B. 2,6-Dinitrotoluene (606-20-2)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
29B. Di-n-Octyl Phthalate (117-84-0)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
30B. 1,2-Diphenylhydrazine (122-66-7)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
31B. Fluoranthene (206-44-0)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
32B. Fluorene (86-73-7)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
33B. Hexachlorobenzene (118-74-1)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
34B. Hexachlorobutadiene (87-68-3)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
35B. Hexachlorocyclopentadiene (77-47-4)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
36B. Hexachloroethane (67-72-1)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
37B. Indeno (1,2,3-cd) Pyrene (193-39-5)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
38B. Isophorone (78-59-1)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
39B. Naphthalene (91-20-3)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
40B. Nitrobenzene (98-95-3)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
41B. N-Nitrosodimethylamine (62-75-9)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
42B. N-Nitrosodi-n-Propylamine (621-64-7)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
43B. N-Nitrosodiphenylamine (86-30-6)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
44B. Phenanthrene (85-01-8)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
45B. Pyrene (129-00-0)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
46B. 1,2,4-Trichlorobenzene (120-82-1)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1P. Aldrin (309-00-2)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2P. alpha-BHC (319-84-6)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3P. beta-BHC (319-25-7)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4P. gamma-BHC (58-89-9)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
5P. delta BHC (319-86-8)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
6P. Chlordane (57-74-9)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
7P. 4,4-DDT (50-29-3)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
8P. 4,4-DDE (72-55-9)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
9P. 4,4-DDD (72-54-8)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
10P. Dieldrin (60-57-1)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
11P. alpha-Endosulfan (959-98-8)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
12P. beta-Endosulfan (33213-65-9)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
13P. Endosulfan Sulfate (1031-07-8)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Continued....

				EPA I.D NUMBER LAD056022387									OUTFALL NUMBER 101		
1. POLLUTANT AND CAS NUMBER	2a. TESTING REQUIRED	2b BELIEVED PRESENT	2c BELIEVED ABSENT	3. EFFLUENT a. MAXIMUM DAILY VALUE (1) CONC.	a. MAXIMUM DAILY VALUE (2) MASS	b. MAXIMUM 30 DAY VALUE (1) CONC.	b. MAXIMUM 30 DAY VALUE (2) MASS	c. LONG TERM AVERAGE (1) CONC.	c. LONG TERM AVERAGE (2) MASS	d. NO OF ANALYSES	4. UNITS a. CONC.	4. UNITS b. MASS	5. INTAKE (OPTIONAL) a. LONG TERM AVG (1) CONC.	a. LONG TERM AVG (2) MASS	b. NO. OF ANALYSES
14P. Endrin (72-20-8)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
15P. Endrin Aldehyde (7421-93-4)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
16P. Heptachlor (76-44-8)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
17P. Heptachlor Epoxide (1024-57-3)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
18P. PCB 1242 (53469-21-9)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
19P. PCB 1254 (11097-69-1)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
20P. PCB 1221 (11104-28-2)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
21P. PCB 1232 (11141-16-5)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
22P. PCB 1248 (12672-29-6)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
23P. PCB 1260 (11096-82-5)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
24P. PCB 1016 (12674-11-2)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
25P. Toxaphene (8001-35-2)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Other Parameters															
Nitrate as N		X		36.0	817.1	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
Nitrite as N		X		0.085	1.9	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
Carbonaceous Biochemical Oxygen Demand (CBOD5) (C-002)			X	< 2.000	< 0.013	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA

Dry weather sampling was conducted on 8/14/13 for required parameters for the LPDES permit renewal application.
The following flow rate was used to convert the 8/14/13 sampling event data from concentration to mass where applicable: 0.00076 MGD

Historical analytical data from the period August 2011 through July 2013 are reported for the following parameters routinely monitored under the LPDES permit: biochemical oxygen demand (BOD), total suspended solids, and fecal colifom. Data are reported for the period August 2011 through July 2013 for flow rate.

All single analytical results reported with a "less-than" sign (<) were either (1) non-detected in the effluent sample at or below the analytical method detection limit (MDL) achieved by the applicable laboratory analytical method, or (2) non-detected and quantifiable at the practical quantitation limit (PQL) achieved by the applicable laboratory analytical method. For pollutants with multiple analyses, when an average was calculated, a less-than sign indicates that at least one analytical result was non-detected.

The majority of the laboratory analyses for the 8/14/13 sampling event was performed by TestAmerica of Mobile, AL. Total residual chlorine was analyzed in the field by Providence personnel. All methods were in accordance with 40 CFR 136.
(1) While this parameter still appears on USEPA Form 2C, it is no longer required to be analyzed under the pertinent regulations.

NA = Testing not required; not applicable
mg/L = milligrams per liter
lbs/day = pounds per day
MGD = million gallons per day
°F = degrees Farenheit
S.U. = standard units

EPA I.D NUMBER LAD056022387

V. INTAKE AND EFFLUENT CHARACTERISTICS (Continued From Page 3 of Form 2C) [redacted]

OUTFALL NUMBER 201

Part A

1. POLLUTANT	2. EFFLUENT							3. UNITS		4. INTAKE (OPTIONAL		
	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE		c. LONG TERM AVERAGE		d. NO. OF	a.	b.	a. LONG TERM AVG		b. NO. OF
	(1) CONC.	(2) MASS	(1) CONC.	(2) MASS	(1) CONC.	(2) MASS	ANALYSES	CONC.	MASS	(1) CONC.	(2) MASS	ANALYSES
a. Biochemical Oxygen Demand (BOD)	12.00	1.00	12.00	1.00	8.25	0.69	4	NA	NA	NA	NA	NA
b. Chemical Oxygen Demand (COD)	29	0.28	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
c. Total Organic Carbon (TOC)	10.0	0.1	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
d. Total Suspended Solids (TSS)	8	0.67	8	0.67	6.25	0.52	4	mg/L	lbs/day	NA	NA	NA
e. Ammonia (as N)	2.60	0.02	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
f. Flow	VALUE	0.01	VALUE	0.01	VALUE	0.01	4	MGD		NA	NA	NA
g. Temperature (summer)	VALUE	77.36	VALUE	NA	VALUE	NA	1	°F		NA	NA	NA
h. Temperature (winter)	VALUE	NA	VALUE	NA	VALUE	NA	NA	NA		NA	NA	NA
i. pH	MINIMUM	MAXIMUM 7.41	[redacted]				1	S.U.		NA	NA	NA

Part B

3. POLLUTANT AND CAS NO.	2a. BELIEVED PRESENT	2b. BELIEVED ABSENT	3. EFFLUENT							4. UNITS		5. INTAKE (OPTIONAL)		
			a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE		c. LONG TERM AVERAGE		d. NO. OF	a.	b.	a. LONG TERM AVG		b. NO. OF
			(1) CONC.	(2) MASS	(1) CONC.	(2) MASS	(1) CONC.	(2) MASS	ANALYSES	CONC.	MASS	(1) CONC.	(2) MASS	ANALYSES
a. Bromide (24959-67-9)		X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
b. Chlorine, Total Residual (7782-50-5)	X		< 0.01	< 0.0001	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
c. Color (True, Apparent)		X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
d. Fecal Coliform	X		10.0	NA	10.0	NA	10.0	NA	4	col/100mL	NA	NA	NA	NA
e. Fluoride (16984-48-8)		X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
f. Nitrate-Nitrite (as N) (7727-37-9)	X		5.7	0.1	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
g. Nitrogen, Total Organic (as N)		X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
h. Oil & Grease		X	< 4.10	< 0.04	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
i. Phosphorus (as P), Total (7723-14-0)	X		5.1	0.0	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
j. Radioactivity alpha, Total		X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
j. Radioactivity beta, Total		X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
j. Radioactivity Radium, Total		X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
j. Radioactivity Radium 226, Total		X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
k. Sulfate (as SO_4) (14808-79-8)		X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
l. Sulfide (as S) (18496-25-8)		X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
m. Sulfite (as SO_3) (14265-45-3)		X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
n. Surfactants		X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
o. Aluminum, Total (7429-90-5)		X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
p. Barium, Total (7440-33-3)		X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
q. Boron, Total (7440-42-8)		X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
r. Cobalt, Total (7440-48-4)		X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
s. Iron, Total (7439-89-6)		X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
t. Magnesium, Total (7439-95-4)		X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
u. Molybdenum, Total (7439-98-7)		X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
v. Manganese, Total (7439-96-5)		X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
w. Tin, Total (7440-31-5)		X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
x. Titanium, Total (7440-32-6)		X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Continued....

				EPA I.D NUMBER LAD056022387									OUTFALL NUMBER 201		
				3. EFFLUENT							4. UNITS		5. INTAKE (OPTIONAL)		
1. POLLUTANT	2a. TESTING	2b BELIEVED	2c BELIEVED	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE		c. LONG TERM AVERAGE		d. NO OF	a.	b.	a. LONG TERM AVG		b. NO. OF
AND CAS NUMBER	REQUIRED	PRESENT	ABSENT	(1) CONC.	(2) MASS	(1) CONC.	(2) MASS	(1) CONC.	(2) MASS	ANALYSES	CONC.	MASS	(1) CONC.	(2) MASS	ANALYSES
Part C-Metals, Cyanide, and Total Phenols															
1M. Antimony, Total (7440-36-0)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2M. Arsenic, Total (7440-38-2)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3M. Beryllium, Total (7440-41-7)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4M. Cadmium, Total (7440-43-9)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
5M. Chromium, Total (7440-47-3)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
6M. Copper, Total (7440-50-8)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
7M. Lead, Total (7439-92-1)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
8M. Mercury, Total (7439-97-6)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
9M. Nickel, Total (7440-02-0)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
10M. Selenium, Total (7782-49-2)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
11M. Silver, Total (7440-22-4)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
12M. Thallium, Total (7440-28-0)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
13M. Zinc, Total (7440-66-6)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
14M. Cyanide, Total (57-12-5)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
15M. Phenols, Total			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dioxin															
2,3,7,8-Tetrachlorodibenzo P-Dioxin (1764-01-6)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Part C-Volatile Compounds															
1V. Acrolein (107-02-8)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2V. Acrylonitrile (107-13-1)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3V. Benzene (71-43-2)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4V. Bis (Chloromethyl) Ether (542-88-1)	NA (1)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
5V. Bromoform (75-25-2)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
6V. Carbon Tetrachloride (56-23-5)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
7V. Chlorobenzene (108-90-7)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
8V. Chlorodibromomethane (124-48-1)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
9V. Chloroethane (75-00-3)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
10V. 2-Chloroethylvinyl Ether (110-75-8)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
11V. Chloroform (67-66-3)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
12V. Dichlorobromomethane (75-27-4)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
13V. Dichlorodifluoromethane (75-71-8)	NA (1)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
14V. 1,1-Dichloroethane (75-34-3)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
15V. 1,2-Dichloroethane (107-06-2)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
16V. 1,1-Dichloroethylene (75-35-4)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
17V. 1,2-Dichloropropane (78-87-5)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
18V. 1,3-Dichloropropylene (542-75-6) **See Note (3)**			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
19V. Ethylbenzene (100-41-4)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
20V. Methyl Bromide (74-83-9)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
21V. Methyl Chloride (74-87-3)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
22V. Methylene Chloride (75-09-2)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Continued....

EPA I.D NUMBER LAD056022387

OUTFALL NUMBER 201

1. POLLUTANT AND CAS NUMBER	2a. TESTING REQUIRED	2b BELIEVED PRESENT	2c BELIEVED ABSENT	3. EFFLUENT a. MAXIMUM DAILY VALUE (1) CONC.	a. MAXIMUM DAILY VALUE (2) MASS	b. MAXIMUM 30 DAY VALUE (1) CONC.	b. MAXIMUM 30 DAY VALUE (2) MASS	c. LONG TERM AVERAGE (1) CONC.	c. LONG TERM AVERAGE (2) MASS	d. NO OF ANALYSES	4. UNITS a. CONC.	4. UNITS b. MASS	5. INTAKE (OPTIONAL) a. LONG TERM AVG (1) CONC.	a. LONG TERM AVG (2) MASS	b. NO. OF ANALYSES
23V. 1,1,2,2-Tetrachloroethane (79-34-5)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
24V. Tetrachloroethylene (127-18-4)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
25V. Toluene (108-88-3)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
26V. 1,2-Trans-Dichloroethylene (156-60-5)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
27V. 1,1,1-Trichloroethane (71-55-6)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
28V. 1,1,2-Trichloroethane (79-00-5)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
29V. Trichloroethylene (79-01-6)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
30V. Trichlorofluoromethane (75-69-4)	NA (1)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
31V. Vinyl Chloride (75-01-4)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Part C - Acid Compounds															
1A. 2-Chlorophenol (95-57-8)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2A. 2,4-Dichlorophenol (120-83-2)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3A. 2,4-Dimethylphenol (105-67-9)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4A. 4,6-Dinitro-o-Cresol (534-52-1)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
5A. 2,4-Dinitrophenol (51-28-5)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
6A. 2-Nitrophenol (88-75-5)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
7A. 4-Nitrophenol (100-02-7)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
8A. p-Chloro-m-Cresol (59-50-7)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
9A. Pentachlorophenol (87-86-5)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
10A. Phenol (108-95-2)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
11A. 2,4,6-Trichlorophenol (88-06-2)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Part C - Base/Neutral Compounds															
1B. Acenaphthene (83-32-9)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2B. Acenaphthylene (208-96-8)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3B. Anthracene (120-12-7)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4B. Benzidine (92-87-5)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
5B. Benzo (a) Anthracene (56-55-3)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
6B. Benzo (a) Pyrene (50-32-8)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
7B. 3,4-Benzofluoranthene (205-99-2)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
8B. Benzo (g,h,i) Perylene (191-24-2)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
9B. Benzo (k) Flouranthene (207-08-9)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
10B. Bis(2-Chloroethoxy) Methane (111-91-1)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
11B. Bis(2-Chloroethyl) Ether (111-44-4)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
12B. Bis(2-Chlorisopropyl) Ether (102-60-1)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
13B. Bis(2-Ethylhexyl) Phthalate (117-81-7)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
14B. 4-Bromophenyl Phenyl Ether (101-55-3)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
15B. Butyl Benzyl Phthalate (85-68-7)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
16B. 2-Chloronaphthalene (91-58-7)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
17B. 4-Chlorophenyl Phenyl Ether (7005-72-3)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
18B. Chrysene (218-01-9)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
19B. Dibenzo (a,h) Anthracene (53-70-3)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Continued....

EPA I.D NUMBER LAD056022387

OUTFALL NUMBER 201

1. POLLUTANT AND CAS NUMBER	2a. TESTING REQUIRED	2b BELIEVED PRESENT	2c BELIEVED ABSENT	3. EFFLUENT a. MAXIMUM DAILY VALUE (1) CONC.	a. MAXIMUM DAILY VALUE (2) MASS	b. MAXIMUM 30 DAY VALUE (1) CONC.	b. MAXIMUM 30 DAY VALUE (2) MASS	c. LONG TERM AVERAGE (1) CONC.	c. LONG TERM AVERAGE (2) MASS	d. NO OF ANALYSES	4. UNITS a. CONC.	4. UNITS b. MASS	5. INTAKE (OPTIONAL) a. LONG TERM AVG (1) CONC.	a. LONG TERM AVG (2) MASS	b. NO. OF ANALYSES
20B. 1,2-Dichlorobenzene (95-50-1)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
21B. 1,3-Dichlorobenzene (541-73-1)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
22B. 1,4-Dichlorobenzene (106-46-7)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
23B. 3,3-Dichlorobenzidine (91-94-1)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
24B. Diethyl Phthalate (84-66-2)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
25B. Dimethyl Phthalate (131-11-3)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
26B. Di-n-Butyl Phthalate (84-74-2)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
27B. 2,4-Dinitrotoluene (121-14-2)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
28B. 2,6-Dinitrotoluene (606-20-2)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
29B. Di-n-Octyl Phthalate (117-84-0)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
30B. 1,2-Diphenylhydrazine (122-66-7)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
31B. Fluoranthene (206-44-0)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
32B. Fluorene (86-73-7)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
33B. Hexachlorobenzene (118-74-1)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
34B. Hexachlorobutadiene (87-68-3)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
35B. Hexachlorocyclopentadiene (77-47-4)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
36B. Hexachloroethane (67-72-1)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
37B. Indeno (1,2,3-cd) Pyrene (193-39-5)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
38B. Isophorone (78-59-1)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
39B. Naphthalene (91-20-3)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
40B. Nitrobenzene (98-95-3)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
41B. N-Nitrosodimethylamine (62-75-9)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
42B. N-Nitrosodi-n-Propylamine (621-64-7)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
43B. N-Nitrosodiphenylamine (86-30-6)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
44B. Phenanthrene (85-01-8)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
45B. Pyrene (129-00-0)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
46B. 1,2,4-Trichlorobenzene (120-82-1)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1P. Aldrin (309-00-2)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2P. alpha-BHC (319-84-6)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3P. beta-BHC (319-25-7)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4P. gamma-BHC (58-89-9)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
5P. delta BHC (319-86-8)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
6P. Chlordane (57-74-9)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
7P. 4,4-DDT (50-29-3)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
8P. 4,4-DDE (72-55-9)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
9P. 4,4-DDD (72-54-8)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
10P. Dieldrin (60-57-1)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
11P. alpha-Endosulfan (959-98-8)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
12P. beta-Endosulfan (33213-65-9)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
13P. Endosulfan Sulfate (1031-07-8)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Continued....

1. POLLUTANT AND CAS NUMBER	2a. TESTING REQUIRED	2b BELIEVED PRESENT	2c BELIEVED ABSENT	3. EFFLUENT a. MAXIMUM DAILY VALUE (1) CONC.	a. MAXIMUM DAILY VALUE (2) MASS	b. MAXIMUM 30 DAY VALUE (1) CONC.	b. MAXIMUM 30 DAY VALUE (2) MASS	c. LONG TERM AVERAGE (1) CONC.	c. LONG TERM AVERAGE (2) MASS	d. NO OF ANALYSES	4. UNITS a. CONC.	b. MASS	5. INTAKE (OPTIONAL) a. LONG TERM AVG (1) CONC.	a. LONG TERM AVG (2) MASS	b. NO. OF ANALYSES
				EPA I.D NUMBER LAD056022387									OUTFALL NUMBER 201		
14P. Endrin (72-20-8)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
15P. Endrin Aldehyde (7421-93-4)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
16P. Heptachlor (76-44-8)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
17P. Heptachlor Epoxide (1024-57-3)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
18P. PCB 1242 (53469-21-9)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
19P. PCB 1254 (11097-69-1)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
20P. PCB 1221 (11104-28-2)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
21P. PCB 1232 (11141-16-5)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
22P. PCB 1248 (12672-29-6)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
23P. PCB 1260 (11096-82-5)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
24P. PCB 1016 (12674-11-2)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
25P. Toxaphene (8001-35-2)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Other Parameters															
Nitrate as N		X		5.3	120.3	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
Nitrite as N		X		0.41	9.3	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
Carbonaceous Biochemical Oxygen Demand (CBOD5) (C-002)		X		2.1	0.02	NA	NA	NA	NA	NA	mg/L	lbs/day	NA	NA	NA

Permit application sampling events were conducted on 8/14/13. Grab samples were collected instead of 24-hour composites because the flow is low and intermittent.
The following flow rate was used to convert the 8/14/13 sampling event data from concentration to mass where applicable: 0.001140 MGD

Historical analytical data from the period August 2011 through July 2013 were included for the following parameters routinely monitored under the LPDES permit: biochemical oxygen demand (BOD), total suspended solids, and fecal coliform. Data from the period August 2011 through July 2013 is reported for flow.

All single analytical results reported with a "less-than" sign (<) were either (1) non-detected in the effluent sample at or below the analytical method detection limit (MDL) achieved by the applicable laboratory analytical method, or (2) non-detected and quantifiable *at the practical quantitation limit (PQL) achieved by the applicable laboratory analytical method.* For pollutants with multiple analyses, when an average was calculated, a less-than sign indicates that at least one analytical result was non-detected.
Laboratory analyses for the 8/14/13 sampling event were performed by TestAmerica of Mobile, AL On 8/14/13, total residual chlorine was analyzed in the field by Providence personnel. All methods were in accordance with 40 CFR 136.

(1) While this parameter still appears on USEPA Form 2C, it is no longer required to be analyzed under the pertinent regulations.

NA = Testing not required; not applicable.
mg/L = milligrams per liter

lbs/day = pounds per day
MGD = million gallons per day

°F = degrees Farenheit
S.U. = standard units

APPENDIX C

UPDATED PAGES OF USEPA APPLICATION FORM 2D

Please print or type in the unshaded areas only.

EPA I.D. NUMBER *(copy from Item 1 of Form 1)*
LAD056022387

Form Approved
OMB No. 2040-0086
Approval expires 7-31-88

FORM 2D NPDES

EPA

New Sources and New Dischargers Application for Permit to Discharge Process Wastewater

I. Outfall Location

For each outfall, list the latitude and longitude, and the name of the receiving water.

Outfall Number *(list)*	Latitude			Longitude			Receiving Water *(name)*
	Deg	Min	Sec	Deg	Min	Sec	
001c	30°	06'	16.33	90°	57'	10.72"	Mississippi River

II. Discharge Date *(When do you expect to begin discharging?)*

Discharge from the new process units is anticipated to begin in June 2014. Other utility and miscellaneous discharges through Outfall 001c may begin prior to this date.

III. Flows, Sources of Pollution, and Treatment

A. For each outfall, provide a description of (1) All operations contributing wastewater to the effluent, including process wastewater, sanitary wastewater, cooling water, and stormwater runoff; (2) The average flow contributed by each operation; and (3) The treatment received by the wastewater. Continue on additional sheets if necessary.

Outfall Number	1. Operations Contributing Flow *(list)*	2. Average Flow *(include units)* Million Gallons Per Day (MGD)	3. Treatment *(Description or List Codes from Table 2D-1)*
001c (for combined Phase I and Phase II flows, see Appendix B, EPA Form 2-C)	Demineralizer Regeneration and backwash wastewater	Phase II – 308,000	Neutralization, discharge to surface water
	Ammonia Process Wastewater	Phase II – 58,000	Ammonia stripping, reuse/recycle
	Urea Process Wastewater	Phase II – 40,000	Ammonia stripping, reuse/recycle
	UAN Process Wastewater	Phase II – 15,000	Reuse/recycle
	Sanitary Wastewater (Outfall 301)	Phase II – 10,000	Activated sludge, disinfection (chlorine) discharge to surface water
	Other City Water	Phase II – 26,000	Discharge to surface water
	Process and Non-Process Area Storm Water Runoff	Phase II – 7,871,000	Discharge to surface water
	Miscellaneous Wastewaters (see Narrative Section 8.4 for itemized list of streams)	Phase II - De Minimus	Discharge to surface water
	Clarifier Blowdown	Phase II – 165,000	Neutralization, discharge to surface water
	Cooling Tower Blowdown	Phase II – 2,105,000	Discharge to surface water

APPENDIX D

UPDATED PAGES OF USEPA APPLICATION FORM 2F

Please print or type in the unshaded areas only	EPA ID NUMBER *(copy from Item 1 of Form 1* LAD056022387	Form Approved OMB No. 2040-0086 Approval expires 5-31-92

FORM 2F NPDES

EPA

United States Environmental Protection Agency
Washington, DC 20460

Application for Permit To Discharge Storm Water Discharges Associated with Industrial Activity

Paperwork Reduction Act Notice

Public reporting burden for this application is estimated to average 28.6 hours per application, including time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed and completing and reviewing the collection of information. Send comments regarding the burden estimate, other aspect of this collection of information, or suggestions for improving this form, including suggestions which may increase or reduce this burden to: Chief, Information Policy Branch, PM-223, U.S. Environmental Protection Agency, 401 M. St., SW, Washington, DC 20460, or Director, Office of Information and Regulatory Affairs, Office of Management and Budget, Washington, DC 20503.

I. Outfall Location

For each outfall, list the latitude and longitude of its location to the nearest 15 seconds and the name of the receiving water.

A. Outfall Number *(list)*	B. Latitude			C. Longitude			D. Receiving Water *(name)*
001a	30°	05'	01.96"	90°	57'	31.70"	Mississippi River
001b	30°	05'	57"	90°	57'	14"	Mississippi River
001c	30°	06'	16.33	90°	57'	10.72"	Mississippi River
003	30°	05'	14.91"	90°	57'	29.20"	via local drainage to Bayou Verret
004	30°	06'	05"	90°	57'	14"	Mississippi River
005	30°	05'	46"	90°	57'	12"	Mississippi River
006	30°	05'	41.18"	90°	57'	00.76"	via local drainage to Bayou Verret
007	30°	05'	20.75"	90°	57'	05.17"	via local drainage to Bayou Verret

II. Improvements

A. Are you now required by Federal, State, or local authority to meet implementation schedule for the construction, upgrading or operation of wastewater treatment equipment or practices or other environmental programs which may affect the discharges described in this application? This includes, but is not limited to, permit conditions, administrative of enforcement orders, enforcement compliance schedule letters, stipulations, court orders and grant or loan conditions.

1. Identification of Conditions, Agreements, Etc.	2. Affected Outfalls		3. Brief Description of Project	4. Final Compliance Date	
	number	source of discharge		a. req.	b. proj.
N/A					

B. You may attach additional sheets describing additional water pollution (or other environmental projects which may affect your discharges) you now have under way or which you plan. Indicate whether each program is now under way or planned and indicate your actual or planned schedules for construction.

III. Site Drainage Map

Attach a site Map showing topography (or indicating the outline of drainage areas served by the outfall(s) covered in the application if a topographic Map is unavailable) depicting the facility including: each of its intake and discharge structures; the drainage area of each stormwater outfall; paved areas and buildings within the drainage area of each stormwater outfall, each known past or present areas used for outdoor storage or disposal of significant materials, each existing structural control measure to reduce pollutants in stormwater runoff, materials loading and access areas, areas where pesticides, herbicides, soil conditioners and fertilizers are applied; each of its hazardous waste treatment, storage or disposal units (including each area not required to have a RCRA permit which is used for accumulating hazardous waste under 40 CFR 262.34); each well where fluids from the facility are injected underground; springs and other surface water bodies which receive stormwater discharges from the facility.

Continued from the Front

IV. Narrative Description of Pollutant Sources

A. For each outfall, provide an estimate of the area (include units) of impervious surfaces (including paved areas and building roofs) drained to the outfall and an estimate of the total surface area drained by the outfall.

Outfall Number	Area of Impervious Surface (provide units)	Total Area Drained (provide units)	Outfall Number	Area of Impervious Surface (provide units)	Total Area Drained (provide units)
001a	Approximately 122 Acres	203 Acres			
001b	Approximately 13 Acres	39.5 Acres			
001c	Approximately 32 Acres	48 Acres			
003	Approximately 8.28 Acres	8.28 Acres			
004	Approximately 6 Acres	14.82 Acres			
005	Approximately 8 Acres	16.27 Acres			
006	Approximately 13 Acres	19.6 Acres			
007	Approximately 12 Acres	16 Acres			

B. Provide a narrative description of significant materials that are currently or in the past three years have been treated, stored or disposed in a manner to allow exposure to stormwater, method of treatment, storage, or disposal; past and present materials management practices employed, in the last three years, to minimize contact by these materials with stormwater runoff; materials loading and access areas; and the location, manner and frequency in which pesticides, herbicides, soil conditioners and fertilizers are applied.

*See **Section 5.0** of the application document narrative.*

C. For each outfall, provide the location and a description of existing structural and nonstructural control measures to reduce pollutants in stormwater runoff; and a description of the treatment the stormwater receives, including the schedule and type of maintenance for control and treatment measures and the ultimate disposal of solid or fluid wastes other than by discharge.

Outfall Number	Treatment	List Codes from Table 2F-1
001a, 001b, 001c, 003, 004, 005, 006 & 007	*See **Section 5.0** of the application document narrative and USEPA Form 2C (**Appendix B**).*	*See Item II.B of the USEPA Application Form 2C.*

V. Nonstormwater Discharges

A. I certify under penalty of law that the outfall(s) covered by this application have been tested or evaluated for the presence of nonstormwater discharges and that all nonstormwater discharges from these outfall(s) are identified in either an accompanying Form 2C or Form 2E application for the outfall.

Name and Official Title *(type or print)*	Signature	Date Signed
Louis M. Frey, Vice President/General Manager	L M F	10/23/13

B. Provide a description of the method used, the date of testing and the on site drainage points that were directly observed during a test.

Best professional judgment, utilizing operator knowledge and field observations, was used to determine that any non-storm water discharges contributing to the above listed Outfalls are identified on the accompanying USEPA Application Forms 2C and 2D and in the application document narrative.

VI. Significant Leaks or Spills

Provide existing information regarding the history of significant leaks or spills of toxic or hazardous pollutants at the facility in the last three years, including the approximate date and location of the spill or leak and the type and amount of material released.

No significant leaks or spills have occurred at the CF Industries West and East facilities during the previous three years that resulted in material being released through any wastewater or storm water outfalls.

EPA I.D. NUMBER (copy from Item 1 of Form 1)

LAD056022387

Form Approved OMB No. 2040-0086
Approval expires 5-31-92

VII. Discharge Information *(Continued from page 3 of Form 2F)*

Outfall 004

A - You must provide the results of at least one analysis for every pollutant in this table. Complete one table for each outfall. See instructions for additional details.

Pollutant and CAS Number *(if available)*	Maximum Values *(include units)*		Average Values *(include units)*		Number of *Storm Events* Sampled	Sources of Pollutants
	Grab Sample Taken During First 30 Minutes	Flow-weighted Composite	Grab Sample *Taken During First* 30 Minutes	*Flow-weighted* Composite		
Oil and Grease	(3)	(3)	NA	NA	NA	NA
Biological Oxygen Demand (BOD_5)	9.9 mg/L 5.95 lbs/day	13.0 mg/L 7.81 lbs/day	NA	NA	1	(1), (2)
Chemical Oxygen Demand (COD)	13 mg/L 8 lbs/day	16 mg/L 10 lbs/day	NA	NA	1	(1), (2)
Total Organic Carbon (TOC)	(3)	(3)	NA	NA	NA	NA
Total Suspended Solids (TSS)	290 mg/L 174 lbs/day	200 mg/L 120 lbs/day	NA	NA	1	(1), (2)
Total Kjeldahl Nitrogen	23 mg/L 14 lbs/day	30 mg/L 18 lbs/day	NA	NA	1	(1), (2)
Nitrate as N	12 mg/L 7 lbs/day	9.2 mg/L 6 lbs/day	NA	NA	1	(1), (2)
Nitrate plus Nitrite Nitrogen	13 mg/L 8 lbs/day	10 mg/L 6 lbs/day	NA	NA	1	(1), (2)
Ammonia (as Nitrogen)	(3)	(3)	NA	NA	NA	NA
Total Phosphorus	0.65 mg/L 0.39 lbs/day	0.48 mg/L 0.29 lbs/day	NA	NA	1	(1), (2)
Temperature (° F)	82.6	81.9	NA	NA	1	(1), (2)
pH (standard units)	(3)	(3)	NA	NA	NA	NA

Part B - List each pollutant that is limited in an effluent guideline which the facility is subject to or any pollutant listed in the facility's NPDES permit for its process wastewater (if the facility is operating under an existing NPDES permit). Complete one table for each outfall. See the instructions for additional details and requirements.

Pollutant and CAS Number *(if available)*	Maximum Values *(include units)*		Average Values *(include units)*		Number of Storm Events Sampled	Sources of Pollutants
	Grab Sample Taken During First 30 Minutes	Flow-weighted Composite	Grab Sample Taken During First 30 Minutes	Flow-weighted Composite		
Analytical data for all pollutants that are limited in any applicable effluent guidelines and/or that are listed in the facility's LPDES permit are provided in Parts A and C.						

Continued from the Front | **Outfall 004**

Part C - List each pollutant shown in Tables 2F-2, 2F-3 and 2F-4 that you know or have reason to believe is present. See the instructions for additional details and requirements. Complete one table for each outfall.

	Maximum Values *(include units)*		Average Values *(include units)*			
Pollutant and CAS Number *(if available)*	Grab Sample Taken During First 30 Minutes	Flow-weighted Composite	Grab Sample Taken During First 30 Minutes	Flow-weighted Composite	Number of Storm Events Sampled	Sources of Pollutants
PRIORITY POLLUTANT METALS (LAC 33:IX.7107 APPENDIX D TABLE III)						
CONVENTIONAL AND NONCONVENTIONAL POLLUTANTS (LAC 33:IX.7107 APPENDIX D TABLE IV)						
OTHER POLLUTANTS						

Part D - Provide data for the storm event(s) which resulted in the maximum values for the flow-weighted composite sample.

1.	2.	3.	4.	5.	6.
Date of Storm Event	Duration of Storm *(in minutes)*	Total rainfall during storm event *(in inches)*	Number of hours between beginning of storm measured and end of previous measurable rain event	Maximum flow rate during rain event *(gallons/minute or specify units)*	Total flow from rain event *(gallons or specify units)*
8/20/2013	320	0.76	144	26	72,000

7. Provide a description of the method of flow measurement or estimate.

Flow meter

NOTES:

Mass values for the one-time grab samples collected on 8/20/2013 were calculated using the following flow rate: 0.072 MGD

Laboratory analyses were performed by TestAmerica of Mobile, AL. Field analyses were conducted by CF industries site personnel. All methods were in *accordance with* 40 CFR 136.

NA = Not Applicable mg/L = milligrams per liter lbs/day = pounds per day
°F = Degrees Fahrenheit MGD = million gallons per day
< = Indicates parameters analyzed were not detected at or above the respective analytical method detection limit or reporting limit.

FOOTNOTES:
(1) Particulate deposition from sources associated with raw material, by-product, and final product handling, transfer, processing and/or storage and storm water (contact with facility roads and properties).
(2) Incidental to industrial activity.
(3) Parameter routinely monitored under the LPDES permit therefore it was not sampled for application effluent characterization purposes

EPA I.D. NUMBER (copy from Item 1 of Form 1)
LAD056022387

Form Approved OMB No. 2040-0086
Approval expires 5-31-92

VII Discharge Information *(Continued from page 3 of Form 2F)* — Outfall 005

A - You must provide the results of at least one analysis for every pollutant in this table. Complete one table for each outfall. See instructions for additional details.

Pollutant and CAS Number *(if available)*	Maximum Values *(include units)*		Average Values *(include units)*		Number of Storm Events Sampled	Sources of Pollutants
	Grab Sample Taken During First 30 Minutes	Flow-weighted Composite	Grab Sample Taken During First 30 Minutes	Flow-weighted Composite		
Oil and Grease	(3)	(3)	NA	NA	NA	NA
Biological Oxygen Demand (BOD_5)	9.0 mg/L 5.71 lbs/day	10.0 mg/L 6.34 lbs/day	NA	NA	1	(1), (2)
Chemical Oxygen Demand (COD)	19 mg/L 12 lbs/day	18 mg/L 11 lbs/day	NA	NA	1	(1), (2)
Total Organic Carbon (TOC)	(3)	(3)	NA	NA	NA	NA
Total Suspended Solids (TSS)	380 mg/L 241 lbs/day	210 mg/L 133 lbs/day	NA	NA	1	(1), (2)
Total Kjeldahl Nitrogen	6.2 mg/L 4 lbs/day	5.3 mg/L 3 lbs/day	NA	NA	1	(1), (2)
Nitrate as N	26 mg/L 16 lbs/day	32 mg/L 20 lbs/day	NA	NA	1	(1), (2)
Nitrate plus Nitrite Nitrogen	26 mg/L 16 lbs/day	32 mg/L 20 lbs/day	NA	NA	1	(1), (2)
Ammonia (as Nitrogen)	(3)	(3)	NA	NA	NA	NA
Total Phosphorus	0.62 mg/L 0.39 lbs/day	0.55 mg/L 0.35 lbs/day	NA	NA	1	(1), (2)
Temperature (° F)	78.08	77.72	NA	NA	1	(1), (2)
pH (standard units)	(3)	(3)	NA	NA	NA	NA

Part B - List each pollutant that is limited in an effluent guideline which the facility is subject to or any pollutant listed in the facility's NPDES permit for its process wastewater (if the facility is operating under an existing NPDES permit). Complete one table for each outfall. See the instructions for additional details and requirements.

Pollutant and CAS Number *(if available)*	Maximum Values *(include units)*		Average Values *(include units)*		Number of Storm Events Sampled	Sources of Pollutants
	Grab Sample Taken During First 30 Minutes	Flow-weighted Composite	Grab Sample Taken During First 30 Minutes	Flow-weighted Composite		
Analytical data for all pollutants that are limited in any applicable effluent guidelines and/or that are listed in the facility's LPDES permit are provided in Parts A and C.						

Continued from the Front | **Outfall 005**

Part C - List each pollutant shown in Tables 2F-2, 2F-3 and 2F-4 that you know or have reason to believe is present. See the instructions for additional details and requirements. Complete one table for each outfall.

	Maximum Values *(include units)*		Average Values *(include units)*			
Pollutant and CAS Number *(if available)*	Grab Sample Taken During First 30 Minutes	Flow-weighted Composite	Grab Sample Taken During First 30 Minutes	Flow-weighted Composite	Number of Storm Events Sampled	Sources of Pollutants
PRIORITY POLLUTANT METALS (LAC 33:IX.7107 APPENDIX D TABLE III)						
CONVENTIONAL AND NONCONVENTIONAL POLLUTANTS (LAC 33:IX.7107 APPENDIX D TABLE IV)						
OTHER POLLUTANTS						

Part D - Provide data for the storm event(s) which resulted in the maximum values for the flow-weighted composite sample.

1.	2.	3.	4.	5.	6.
Date of Storm Event	Duration of Storm *(in minutes)*	Total rainfall during storm event *(in inches)*	Number of hours between beginning of storm measured and end of previous measurable rain event	Maximum flow rate during rain event *(gallons/minute or specify units)*	Total flow from rain event *(gallons or specify units)*
8/20/2013	320	0.76	144	53	76,176

7. Provide a description of the method of flow measurement or estimate.

Flow meter

NOTES:

Mass values for the one-time grab samples collected on 8/20/2013 were calculated using the following flow rate: 0.076 MGD

Laboratory analyses were performed by TestAmerica of Mobile, AL. Field analyses were conducted by CF industries site personnel. All methods were in accordance with 40 CFR 136.

NA = Not Applicable mg/L = milligrams per liter lbs/day = pounds per day
°F = Degrees Fahrenheit MGD = million gallons per day
< = Indicates parameters analyzed were not detected at or above the respective analytical method detection limit or reporting limit.

FOOTNOTES:
(1) Particulate deposition from sources associated with raw material, by-product, and final product handling, transfer, processing and/or storage and storm water (contact with facility roads and properties).
(2) Incidental to industrial activity.
(3) Parameter routinely monitored under the LPDES permit therefore it was not sampled for application effluent characterization purposes

APPENDIX H

UPDATED PROPOSED WATER QUALITY BASED SCREENING PROCEDURE FOR OUTFALL 001

Developer: Bruce Holding
Software: Lotus 4.0
Revision date: 07/12/99

Time: 10:53 AM

LA0000418, AI 2416

Water Quality Screen for CF Industries Nitrogen, LLC/Donaldsonville Nitrogen Complex Phase II

Input variables:

Receiving Water Characteristics:

Receiving Water Name=	Mississippi River
Critical flow (Qr) cfs=	141955
Harmonic mean cfs=	366748
Drinking Water=1 HHNPCR=2	1
Marine, 1=y, 0=n	
Rec. Water Hardness=	153.4
Rec. Water TSS=	32
Fisch/Specific=1,Stream=0	
Diffuser Ratio=	

Effluent Characteristics:

Permittee=	CF Industries Nitrogen, LLC/Donaldsonville Nitrogen Complex
Permit Number=	LA0000418, AI 2416
Facility flow (Qef),MGD=	24.206
Outfall Number =	001
Eff. data, 2=lbs/day	2
MQL, 2=lbs/day	1
Effluent Hardness=	N/A
Effluent TSS=	N/A
WQBL ind. 0=y, 1=n	
Acute/Chr. ratio 0=n, 1=y	1
Aquatic,acute only1=y,0=n	

Page Numbering/Labeling

Appendix	Appendix B-1
Page Numbers 1=y, 0=n	1
Input Page # 1=y, 0=n	1

Fischer/Site Specific inputs:

Pipe=1,Canal=2,Specific=3	
Pipe width, feet	
ZID plume dist., feet	
MZ plume dist., feet	
HHnc plume dist., feet	
HHc plume dist., feet	

Fischer/site specific dilutions:

ZID Dilution =	---
F/specific MZ Dilution =	---
F/specific HHnc Dilution=	---
F/specific HHc Dilution=	---

Dilution:

ZID Fs =	0.033333333
MZ Fs =	0.333333333
Critical Qr (MGD)=	91745.5165
Harm. Mean (MGD)=	237029.2324
ZID Dilution =	0.007852997
MZ Dilution =	0.00079089
HHnc Dilution=	0.000263769
HHc Dilution=	0.000102112
ZID Upstream =	126.3399109
MZ Upstream =	1263.399109
MZhhnc Upstream=	3790.197327
MZhhc Upstream=	9792.16857
ZID Hardness=	---
MZ Hardness=	---
ZID TSS=	---
MZ TSS=	---

Multipliers:

WLAa --> LTAa	0.32
WLAc --> LTAc	0.53
LTA a,c-->WQBL avg	1.31
LTA a,c-->WQBL max	3.11
LTA h --> WQBL max	2.38
WQBL-limit/report	2.13
WLA Fraction	1
WQBL Fraction	1

Conversions:

ug/L-->lbs/day Qef	0.20187804
ug/L-->lbs/day Qeo	0
ug/L-->lbs/day Qr	1183.9047
lbs/day-->ug/L Qeo	4.953485778
lbs/day-->ug/L Qef	4.953485778
diss-->tot 1=y0=n	1
Cu diss->tot1=y0=n	0
cfs-->MGD	0.6463

Receiving Stream:

Default Hardness=	25
Default TSS=	10

Toxicity Dilution Series:

Biomonitoring dilution:	0.007908895
Dilution Series Factor:	0.75

	Percent Effluent
Dilution No. 1	1.055%
Dilution No. 2	0.7909%
Dilution No. 3	0.5932%
Dilution No. 4	0.4449%
Dilution No. 5	0.3337%

Partition Coefficients; Dissolved-->Total

METALS	FW
Total Arsenic	2.223578202
Total Cadmium	3.549121255
Chromium III	5.282523708
Chromium VI	1
Total Copper	3.56078038
Total Lead	6.6
Total Mercury	2.785159399
Total Nickel	3.174756165
Total Zinc	4.535533906

Aquatic Life, Dissolved
Metal Criteria, ug/L

METALS	ACUTE	CHRONIC
Arsenic	360	190
Cadmium	54.59155207	1.587165923
Chromium III	2465.295703	293.8492968
Chromium VI	16	11
Copper	28.72416237	18.44402142
Lead	140.7621006	5.485296976
Mercury	2.4	0.012
Nickel	2036.849153	226.4353243
Zinc	168.1577158	152.3076249

Site Specific Multiplier Values:

CV =	---
N =	---
WLAa --> LTAa	---
WLAc --> LTAc	---
LTA a,c-->WQBL avg	---
LTA a,c-->WQBL max	---
LTA h --> WQBL max	---

(*1) Toxic Parameters	(*2) Cu Instream Conc. ug/L	(*2) Effluent /Tech lbs/day	(*3) Effluent /Tech (Avg) lbs/day	(*4) (Max)	(*5) MQL ug/L	(*6) Effluent 1=No 95% 0=95 %	(*7) 95th % estimate Non-Tech lbs/day	(*8) Numerical Criteria Acute FW ug/L	(*9) Chronic FW ug/L	(*10) HHDW ug/L	(*11) HH Carcinogen Indicator "C"
NONCONVENTIONAL											
Total Phenols (4AAP)					5			700	350	5	
3-Chlorophenol					10					0.1	
4-Chlorophenol					10			383	192	0.1	
2,3-Dichlorophenol					10					0.04	
2,5-Dichlorophenol					10					0.5	
2,6-Dichlorophenol					10					0.2	
3,4-Dichlorophenol					10					0.3	
2,4-Dichlorophenocy-acetic acid (2,4-D)					---					100	
2-(2,4,5-Trichlorophen-oxy) propionic acid (2,4,5-TP, Silvex)					---					10	
METALS AND CYANIDE											
Total Arsenic					10			800.4881528	422.4798584	111.1789101	
Total Cadmium					1			193.7520378	5.633044313	35.49121255	
Chromium III					10			13022.983	1552.265877	264.1261854	
Chromium VI					10			16	11	50	C
Total Copper					10			102.2804338	65.67510959	3560.78038	
Total Lead					5			929.029864	36.20296004	330	
Total Mercury					0.2			6.684382558	0.033421913	5.570318799	
Total Nickel					40			6466.499407	718.8769417		
Total Zinc					20			762.6850216	690.7963968	22677.66953	
Total Cyanide					20			45.9	5.4	663.8	
DIOXIN											
2,3,7,8 TCDD; dioxin					1.00E-05					7.10E-07	C
VOLATILE COMPOUNDS											
Benzene					10			2249	1125	1.1	C
Bromoform					10			2930	1465	3.9	C
Bromodichloromethane					10					0.2	C
Carbon Tetrachloride					10			2730	1365	0.22	C
Chloroform					10			2890	1445	5.3	C
Dibromochloromethane					10					0.39	C
1,2-Dichloroethane(EDC)					10			11800	5900	0.36	C
1,1-Dichloroethylene					10			1160	580	0.05	C
1,3-Dichloropropylene					10			606	303	9.86	
Ethylbenzene					10			3200	1600	2390	
Methyl Chloride					50			55000	27500		
Methylene Chloride					20			19300	9650	4.4	C
1,1,2,2-Tetrachloro-ethane					10			932	466	0.16	C

(*1) Toxic Parameters	(*12) WLAa Acute	(*13) WLAc Chronic	(*14) WLAh HHDW	(*15) LTAa Acute	(*16) LTAc Chronic	(*17) LTAh HHDW	(*18) Limiting A,C,HH	(*19) WQBL Avg 001	(*20) WQBL Max 001	(*21) WQBL Avg 001	(*22) WQBL Max 001	(*23) Need WQBL?
	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	lbs/day	lbs/day	
NONCONVENTIONAL												
Total Phenols (4AAP)	89137.93763	442539.6882	18955.98664	28524.14004	234546.0347	18955.98664	18955.98664	18955.98664	45115.24819	3826.797428	9107.777879	no
3-Chlorophenol	---	---	379.1197327	---	---	379.1197327	379.1197327	379.1197327	902.3049639	76.53594857	182.1555576	no
4-Chlorophenol	48771.18588	242764.6289	379.1197327	15606.77948	128665.2533	379.1197327	379.1197327	379.1197327	902.3049639	76.53594857	182.1555576	no
2,3-Dichlorophenol	---	---	151.6478931	---	---	151.6478931	151.6478931	151.6478931	360.9219855	30.61437943	72.86222303	no
2,5-Dichlorophenol	---	---	1895.598664	---	---	1895.598664	1895.598664	1895.598664	4511.524819	382.6797428	910.7777879	no
2,6-Dichlorophenol	---	---	758.2394654	---	---	758.2394654	758.2394654	758.2394654	1804.609928	153.0718971	364.3111152	no
3,4-Dichlorophenol	---	---	1137.359198	---	---	1137.359198	1137.359198	1137.359198	2706.914892	229.6078457	546.4666728	no
2,4-Dichlorophenocy-acetic acid (2,4-D)	---	---	379119.7327	---	---	379119.7327	379119.7327	379119.7327	902304.9639	76535.94857	182155.5576	no
2-(2,4,5-Trichlorophen-oxy) propionic acid (2,4,5-TP, Silvex)	---	---	37911.97327	---	---	37911.97327	37911.97327	37911.97327	90230.49639	7653.594857	18215.55576	no
METALS AND CYANIDE												
Total Arsenic	101934.0901	534183.1566	421501.1868	32618.90882	283117.073	421501.1868	32618.90882	42730.77055	101444.8064	8626.404207	20479.47869	no
Total Cadmium	24672.36723	7122.41621	134554.1901	7895.157512	3774.880591	134554.1901	3774.880591	4945.093575	11739.87864	998.3057985	2370.02369	no
Chromium III	1658345.495	1962683.592	1001354.488	530670.5583	1040222.304	1001354.488	530670.5583	695178.4314	1650385.436	140341.2592	333176.5772	no
Chromium VI	2037.438574	13908.3902	489658.4285	651.9803438	7371.446806	489658.4285	651.9803438	854.0942504	2027.658869	172.4228732	409.3397983	no
Total Copper	13024.38133	83039.55005	13499621.06	4167.802025	44010.96153	13499621.06	4167.802025	5459.820653	12961.8643	1102.217892	2616.715759	no
Total Lead	118302.5801	45774.99042	1251095.118	37856.82563	24260.74492	1251095.118	24260.74492	31781.57585	75450.91671	6416.002241	15231.88318	no
Total Mercury	851.1886794	42.25863676	21118.17774	272.3803774	22.39707748	21118.17774	22.39707748	29.3401715	69.65491097	5.923136316	14.0617969	no
Total Nickel	823443.4583	908947.3646	---	263501.9067	481742.1032	---	263501.9067	345187.4977	819490.9297	69685.77547	165437.2227	no
Total Zinc	97120.2427	873442.3487	85975520.11	31078.47766	462924.4448	85975520.11	31078.47766	40712.80574	96654.06553	8219.021425	19512.33331	no
Total Cyanide	5844.90191	6827.755189	2516596.786	1870.368611	3618.71025	2516596.786	1870.368611	2450.182881	5816.846381	494.6381176	1174.293546	no
DIOXIN												
2,3,7,8 TCDD; dioxin	---	---	6.95E-03	---	---	6.95E-03	6.95E-03	6.95E-03	1.65E-02	1.40E-03	3.34E-03	no
VOLATILE COMPOUNDS												
Benzene	286387.4596	1422448.998	10772.48543	91643.98708	753897.9688	10772.48543	10772.48543	10772.48543	25638.51532	2174.728244	5175.85322	no
Bromoform	373105.9389	1852344.695	38193.35742	119393.9005	981742.6882	38193.35742	38193.35742	38193.35742	90900.19066	7710.400137	18350.75233	no
Bromodichloromethane	---	---	1958.633714	---	---	1958.633714	1958.633714	1958.633714	4661.548239	395.4051353	941.0642219	no
Carbon Tetrachloride	347637.9568	1725904.784	2154.497085	111244.1462	914729.5354	2154.497085	2154.497085	2154.497085	5127.703063	434.9456488	1035.170644	no
Chloroform	368012.3425	1827056.713	51903.79342	117763.9496	968340.0577	51903.79342	51903.79342	51903.79342	123531.0283	10478.23608	24938.20188	no
Dibromochloromethane	---	---	3819.335742	---	---	3819.335742	3819.335742	3819.335742	9090.019066	771.0400137	1835.075233	no
1,2-Dichloroethane(EDC)	1502610.949	7459954.743	3525.540685	480835.5036	3953776.014	3525.540685	3525.540685	3525.540685	8390.786831	711.7292435	1693.915599	no
1,1-Dichloroethylene	147714.2966	733351.4832	489.6584285	47268.57493	388676.2861	489.6584285	489.6584285	489.6584285	1165.38706	98.85128381	235.2660555	no
1,3-Dichloropropylene	77167.98601	383112.93	37381.20565	24693.75552	203049.8529	37381.20565	24693.75552	32348.81973	76797.57967	6530.516324	15503.74486	no
Ethylbenzene	407487.7149	2023038.574	9060961.612	130396.0688	1072210.444	9060961.612	130396.0688	170818.8501	405531.7739	34484.57465	81867.95966	no
Methyl Chloride	7003695.1	34770975.5	---	2241182.432	18428617.01	---	2241182.432	2935948.986	6970077.363	592703.6268	1407105.557	no
Methylene Chloride	2457660.28	12201451.4	43089.94171	786451.2897	6466769.243	43089.94171	43089.94171	43089.94171	102554.0613	8698.912976	20703.41288	no
1,1,2,2-Tetrachloro-ethane	118680.797	589209.9848	1566.906971	37977.85503	312281.2919	1566.906971	1566.906971	1566.906971	3729.238591	316.3241082	752.8513775	no

(*1) Toxic Parameters	(*2) Instream Conc. ug/L	Cu Effluent /Tech (Avg) lbs/day	(*3) Effluent /Tech (Max) lbs/day	(*4) ug/L	(*5) MQL	Effluent 1=No 95% 0=95 %	(*6) 95th % estimate Non-Tech lbs/day	(*7)	(*8) Numerical Criteria Acute FW ug/L	(*9) Chronic FW ug/L	(*10) HHDW ug/L	(*11) HH Carcinogen Indicator "C"
VOLATILE COMPOUNDS (cont'd)												
Tetrachloroethylene					10				1290	645	0.65	C
Toluene					10				1270	635	6100	
1,1,1-Trichloroethane					10				5280	2640	200	
1,1,2-Trichloroethane					10				1800	900	0.56	C
Trichloroethylene					10				3900	1950	2.8	C
Vinyl Chloride					10						1.9	C
ACID COMPOUNDS												
2-Chlorophenol					10				258	129	0.1	
2,4-Dichlorophenol					10				202	101	0.3	
BASE NEUTRAL COMPOUNDS												
Benzidine					*50*				*250*	*125*	0.00008	C
Hexachlorobenzene					10						0.00025	C
Hexachlorabutadiene					10				5.1	1.02	0.09	C
PESTICIDES												
Aldrin					0.05				3		0.00004	C
Hexachlorocyclohexane (gamma BHC, Lindane)					0.05				5.3	0.21	0.11	C
Chlordane					0.2				2.4	0.0043	0.00019	C
4,4'-DDT					0.1				1.1	0.001	0.00019	C
4,4'-DDE					0.1				52.5	10.5	0.00019	C
4,4'-DDD					0.1				0.03	0.006	0.00027	C
Dieldrin					0.1				*2.5*	*0.0019*	*0.00005*	C
Endosulfan					0.1				0.22	0.056	0.47	
Endrin					0.1				0.18	0.0023	0.26	
Heptachlor					0.05				0.52	0.0038	0.00007	C
										0.014		
Toxaphene					5				0.73	0.0002	0.00024	C
Other Parameters:												
Fecal Colif. (col/100ml)												
Chlorine									19	11		
Ammonia												
Chlorides											45000	
Sulfates											35000	
Goldbook Values:												

(*1) Toxic Parameters	(*12) WLAa Acute	(*13) WLAc Chronic	(*14) WLAh HHDW	(*15) LTAa Acute	(*16) LTAc Chronic	(*17) LTAh HHDW	(*18) Limiting A,C,HH	(*19) WQBL Avg 001	(*20) WQBL Max 001	(*21) WQBL Avg 001	(*22) WQBL Max 001	(*23) Need WQBL?
	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	lbs/day	lbs/day	
Tetrachloroethylene	164268.4851	815537.4253	6365.55957	52565.91522	432234.8354	6365.55957	6365.55957	6365.55957	15150.03178	1285.06669	3058.458721	no
Toluene	161721.6868	802893.4342	23126303.7	51750.93979	425533.5201	23126303.7	51750.93979	67793.73113	160945.4228	13686.06556	32491.34649	no
1,1,1-Trichloroethane	672354.7296	3338013.648	758239.4654	215153.5135	1769147.233	758239.4654	215153.5135	281851.1026	669127.4269	56899.54817	135082.1334	no
1,1,2-Trichloroethane	229211.8396	1137959.198	5484.174399	73347.78868	603118.375	5484.174399	5484.174399	5484.174399	13052.33507	1107.134379	2634.979821	no
Trichloroethylene	496625.6525	2465578.263	27420.872	158920.2088	1306756.479	27420.872	27420.872	27420.872	65261.67535	5535.671894	13174.89911	no
Vinyl Chloride	---	---	18607.02028	---	---	18607.02028	18607.02028	18607.02028	44284.70827	3756.348785	8940.110108	no
ACID COMPOUNDS												
2-Chlorophenol	32853.69701	163107.4851	379.1197327	10513.18304	86446.96708	379.1197327	379.1197327	379.1197327	902.3049639	76.53594857	182.1555576	no
2,4-Dichlorophenol	25722.662	127704.31	1137.359198	8231.251841	67683.28431	1137.359198	1137.359198	1137.359198	2706.914892	229.6078457	546.4666728	no
BASE NEUTRAL COMPOUNDS												
Benzidine	31834.97773	158049.8886	0.783453486	10187.19287	83766.44097	0.783453486	0.783453486	0.783453486	1.864619296	0.158162054	0.376425689	no
Hexachlorobenzene	---	---	2.448292142	---	---	2.448292142	2.448292142	2.448292142	5.826935299	0.494256419	1.176330277	no
Hexachlorabutadiene	649.4335456	1289.687091	881.3851713	207.8187346	683.5341583	881.3851713	207.8187346	272.2425423	646.3162646	54.95979085	130.4770607	no
PESTICIDES												
Aldrin	382.0197327	---	0.391726743	122.2463145	---	0.391726743	0.391726743	0.391726743	0.932309648	0.079081027	0.188212844	no
Hexachlorocyclohexane (gamma BHC, Lindane)	674.9015278	265.5238129	1077.248543	215.9684889	140.7276208	1077.248543	140.7276208	184.3531833	437.6629008	37.21685931	88.35452859	no
Chlordane	305.6157862	5.436916169	1.860702028	97.79705157	2.881565569	1.860702028	1.860702028	1.860702028	4.428470827	0.375634878	0.894011011	no
4,4'-DDT	140.073902	1.264399109	1.860702028	44.82364864	0.670131528	1.860702028	0.670131528	0.877872301	2.084109051	0.17722314	0.42073585	no
4,4'-DDE	6685.345322	13276.19064	1.860702028	2139.310503	7036.381042	1.860702028	1.860702028	1.860702028	4.428470827	0.375634878	0.894011011	no
4,4'-DDD	3.820197327	7.586394654	2.644155514	1.222463145	4.020789167	2.644155514	1.222463145	1.60142672	3.80186038	0.323292887	0.767512122	no
Dieldrin	318.3497773	2.402358307	0.489658428	101.8719287	1.273249903	0.489658428	0.489658428	0.489658428	1.16538706	0.098851284	0.235266055	no
Endosulfan	28.0147804	70.80635011	1781.862744	8.964729728	37.52736556	1781.862744	8.964729728	11.74379594	27.88030945	2.370814507	5.628422227	no
Endrin	22.92118396	2.908117951	985.711305	7.334778868	1.541302514	985.711305	1.541302514	2.019106293	4.793450818	0.407613221	0.967692456	no
Heptachlor	66.21675367	4.804716614	0.6855218	21.18936117	2.546499806	0.6855218	0.6855218	0.6855218	1.631541884	0.138391797	0.329372478	no
Toxaphene	92.95813496	0.252879822	2.350360457	29.74660319	0.134026306	2.350360457	0.134026306	0.17557446	0.41682181	0.035444628	0.08414717	no
Other Parameters:												
Fecal Colif. (col/100ml)	---	---	---	---	---	---	---	---	---	---	---	no
Chlorine	2419.458307	13908.3902	---	774.2266583	7371.446806	---	774.2266583	1014.236922	2407.844907	204.752162	486.0910105	no
Ammonia	---	---	---	---	---	---	---	---	---	---	---	no
Chlorides	---	---	440692585.6	---	---	440692585.6	440692585.6	440692585.6	1048848354	88966155.43	211739449.9	no
Sulfates	---	---	342760899.9	---	---	342760899.9	342760899.9	342760899.9	815770941.9	69195898.67	164686238.8	no
Goldbook Values:												