LPDES PERMIT NO. LA0002879

LPDES FACT SHEET and RATIONALE
FOR THE DRAFT LOUISIANA POLLUTANT DISCHARGE ELIMINATION SYSTEM (LPDES) PERMIT TO DISCHARGE TO WATERS OF LOUISIANA

I.	**Company/Facility Name:**	CLECO Evangeline, L.L.C. Evangeline Power Station 2180 St. Landry Highway St. Landry, Louisiana 71367
II.	**Issuing Office:**	Louisiana Department of Environmental Quality (LDEQ) Office of Environmental Services Post Office Box 4313 Baton Rouge, Louisiana 70821-4313
III.	**Prepared By:**	Melanie Beard Connor Industrial Water Permits Section Water and Waste Permits Division Phone #: (225) 219-3088 Fax #: (225) 219-3309 E-mail: melanie.connor@la.gov
	Date Prepared:	January 26, 2006

IV. Permit Action/Status:

A. Reason For Permit Action:

Proposed reissuance of a Louisiana Pollutant Discharge Elimination System (LPDES) permit for a 5-year term following regulations promulgated at LAC 33:IX.2711/40 CFR 122.46*.

* In order to ease the transition from NPDES to LPDES permits, dual regulatory references are provided where applicable. The LAC references are the legal references while the 40 CFR references are presented for informational purposes only. In most cases, LAC language is based on and is identical to the 40 CFR language. 40 CFR Parts 401, and 405-471 have been adopted by reference at LAC 33:IX.4903 and will not have dual references. In addition, state standards (LAC Chapter 11) will not have dual references.

LAC 33:IX Citations: Unless otherwise stated, citations to LAC 33:IX refer to promulgated regulations listed at Louisiana Administrative Code, Title 33, Part IX.

40 CFR Citations: Unless otherwise stated, citations to 40 CFR refer to promulgated regulations listed at Title 40, Code of Federal Regulations in accordance with the dates specified at LAC 33:IX.4901, 4903, and 2301.F.

B. LPDES permit - Effective date: October 1, 2000
Expiration date: September 30, 2005

C. Application received date - Renewal application received on April 1, 2005. LPDES permit application addenda received on November 28, 2005, and via email received on February 14, 2006.

V. Facility Information:

A. Location - 2180 St. Landry Highway, St. Landry

B. Applicant Activity - According to the application, CLECO Evangeline, L.L.C., is a steam electric generating facility with a gross plant generating capacity of 775 megawatts. The Evangeline Power Station is a combined cycle plant that consists of three (3) natural gas-fired combustion turbines and their associated heat recovery steam generators (HRSGs) and duct burners. The HRSGs use gas-fired duct burners that produce steam to power the Unit 6 and 7 steam turbines.

The permittee currently has a Multi-Sector Storm Water General Permit for discharges associated with Industrial Activities (LAR05M847).

C. Technology Basis - (40 CFR Chapter 1, Subchapter N/Parts 401-402, and 404-471 have been adopted by reference at LAC 33:IX.4903)

Guideline	Reference
Steam Electric Power Generating	40 CFR 423

Other sources of technology based limits:
- LPDES Class I Sanitary General Permit (LAG530000).
- Best Professional Judgement

D. Fee Rate -
1. Fee Rating Facility Type: Major
2. Complexity Type: III
3. Wastewater Type: I
4. SIC code: 4911

E. Continuous Facility Effluent Flow (Max 30-Day) - 225.8 MGD

VI. Receiving Waters: Bayou Cocodrie

1. TSS (15%): 6.0 mg/l
2. Average Hardness: 18.0 mg/l $CaCO_3$
   (In accordance with LDEQ's Permitting Guidance Document for Implementing Louisiana Surface Water Quality Standards, the default hardness of 25 mg/l was used in calculating water quality based limitations)
3. Critical Flow: 52.6 cfs
4. Mixing Zone Fraction: 1.0
5. Harmonic Mean Flow: 191 cfs
6. River Basin: Vermilion -Teche, Segment No. 060201
7. Designated Uses:
   The designated uses are primary contact recreation, secondary contact recreation, fish and wildlife propagation, and outstanding natural resource waters.

Information based on the following: Water Quality Management Plan, Volume 5A, 1994; LAC 33:IX Chapter 11;/Recommendations from the Engineering Section. Hardness and 15% TSS data come from monitoring station #0103 at St. Landry listed in Hardness and TSS Data for All LDEQ Ambient Stations for the Period of Record as of March 1998, LeBlanc.

VII. Outfall Information:

Outfall 002

A. Type of wastewater - Reservoir overflow consisting of previously monitored once through non-contact cooling water from Outfall 302, previously monitored low volume wastewaters from Outfalls 102 and 202, clarifier sedimentation pond overflow, and non-process area stormwater runoff

B. Location - At the point of discharge from Mountain Bayou Lake prior to discharge into Bayou Cocodrie (Latitude 30°51'44", Longitude 92°17'19")

C. Treatment - None

D. Flow - Continuous, (Max 30-Day) 112.9 MGD

E. Receiving waters - Mountain Bayou Lake thence to Bayou Cocodrie

F. Basin and segment - Vermilion -Teche Basin, Segment 060201

G. Effluent Data - The effluent data from the April 1, 2005 LPDES permit application is contained in Appendix A.

Outfall 003

A. Type of wastewater - Reservoir overflow consisting of previously monitored once through non-contact cooling water from Outfall 302, previously monitored low volume wastewaters from Outfalls 102 and 202, clarifier sedimentation pond overflow, and non-process area stormwater runoff

B. Location - At the point of discharge from Mountain Bayou Lake prior to discharge into Bayou Cocodrie (Latitude 30°52'14", Longitude 92°17'24")

C. Treatment - None

D. Flow - Continuous, (Max 30-Day) 112.9 MGD

E. Receiving waters - Mountain Bayou Lake thence to Bayou Cocodrie

F. Basin and segment - Vermilion -Teche Basin, Segment 060201

G. Effluent Data - The effluent data from the April 1, 2005 LPDES permit application is contained in Appendix A.

Outfall 102

A. Type of wastewater - Low volume wastewater (HRSG blowdown)

B. Location - At the point of discharge from the HRSG blowdown line prior to combining with other waste streams and discharged to the recirculating water discharge flume (Latitude 30°50'38", Longitude 92°15'45")

C. Treatment - treatment of boiler feed water consists of clarification, filtration and demineralization

D. Flow - Intermittent, (Max 30-Day) 0.0053 MGD

E. Receiving waters - Mountain Bayou Lake thence to Bayou Cocodrie

F. Basin and segment - Vermilion -Teche Basin, Segment 060201

G. Effluent Data - The effluent data from the April 1, 2005 LPDES permit application are contained in Appendix A.

Outfall 202

A. Type of wastewater - Low volume wastewater (filter backwash)

B. Location - At the point of discharge from the clarifier filters prior to combining with other waste streams

C. Treatment - None

D. Flow - Intermittent, (Max 30-Day) 0.007 MGD

E. Receiving waters - Mountain Bayou Lake thence to Bayou Cocodrie

F. Basin and segment - Vermilion -Teche Basin, Segment 060201

G. Effluent Data - This outfall is proposed, therefore no effluent data was provided in the April 1, 2005 permit application.

Outfall 302

A. Type of wastewater - Once through non-contact cooling water, previously monitored low volume wastewaters from Outfalls 102 and 202, previously monitored hydrostatic test water from Outfall 402, and clarifier sedimentation pond overflow

B. Location - At the point of discharge of once through non-contact cooling water from the recirculating water discharge flume prior to entering Mountain Bayou Lake.

C. Treatment - None

D. Flow - Continuous, (Max 30-Day) 293.6 MGD

E. Receiving waters - Mountain Bayou Lake thence to Bayou Cocodrie

F. Basin and segment - Vermilion -Teche Basin, Segment 060201

G. Effluent Data - The effluent data from the April 1, 2005 LPDES permit application are contained in Appendix A

Outfall 402

A. Type of wastewater - Hydrostatic test waters

B. Location - At the point of discharge of hydrostatic test waters prior to combining with other waters from Outfalls 002, 003, 302, and 004

C. Treatment - None

D. Flow - variable

E. Receiving waters - Mountain Bayou Lake and/or Bayou Cocodrie

F. Basin and segment - Vermilion -Teche Basin, Segment 060201

G. Effluent Data - This outfall is proposed, therefore no effluent data was provided in the April 1, 2005 permit application

Outfall 004

A. Type of wastewater - Low volume wastewater consisting of but not limited to floor and drain effluent (oily drains), oil/water separator effluent and miscellaneous maintenance wastewaters including fire systems test water, eye wash station and safety shower water, general facility washwater, and previously monitored hydrostatic test water from Outfall 402

B. Location - At the point of discharge from the oil/water separator prior to discharge into Bayou Cocodrie (Latitude 30°50'39", Longitude 92°15'39")

C. Treatment - Oil/water separator

D. Flow - Intermittent, (Max 30-Day) - 0.175 MGD

E. Receiving waters - Bayou Cocodrie

F. Basin and segment - Vermilion-Teche Basin, Segment 060201

G. Effluent Data - The effluent data from the April 1, 2005 LPDES permit application are contained in Appendix A.

Outfall 005

A. Type of wastewater - Low volume wastewater (Demineralizer regeneration neutralization water)

B. Location - At the point of discharge from the demineralizer unit prior to discharge to Bayou Cocodrie (Latitude 30°50'37", Longitude 92°15'39")

C. Treatment - none

D. Flow - Intermittent, (Max 30-Day) 0.024 MGD

E. Receiving waters - Bayou Cocodrie

F. Basin and segment - Vermilion-Teche Basin, Segment 060201

G. Effluent Data - The effluent data from the April 1, 2005 LPDES permit application are contained in Appendix A.

Outfall 007

A. Type of wastewater - Treated sanitary wastewater

B. Location - At the point of discharge from the treatment facility prior to discharge into Bayou Cocodrie (Latitude 30°50'31", Longitude 92°15'30")

C. Treatment - Mixing, screening, disinfection, and activated sludge

D. Flow - Intermittent, (Max 30-Day) 0.0035 MGD

E. Receiving waters - Bayou Cocodrie

F. Basin and segment - Vermilion -Teche Basin, Segment 060201

G. Effluent Data - The effluent data from the April 1, 2005 LPDES permit application are contained in Appendix A.

VIII. Proposed Permit Limits and Rationales:

A. Summary of proposed changes from the current LPDES permit:

1. The Outfalls have been renumbered as such in accordance with current office practices:

Original Outfalls	New Outfalls
Outfall C02 = Outfall 002	Outfall 202
Outfall C03 = Outfall 003	Outfall 402
Outfall C04 = Outfall 004	
Outfall C05 = Outfall 005	
Outfall C06 = Outfall 102	
Outfall C07 = Outfall 007	
Outfall C17 = Outfall 302	

2. Outfalls 202 - This outfall has been added to the permit and limitations have been established in accordance with 40 CFR 423.12(b)(3)

3. Outfalls 002, 003 and 302 - The flow effluent limitations have been removed in the permit to require reporting of flow only. Because flow is not a pollutant as defined by LAC 33:IX.2313, anti-backsliding does not apply.

4. Outfall C08 - This outfall has been removed from the permit. Wastewaters from the Outfall will continue to be hauled offsite for disposal.

5. Outfall 402 - This outfall has been added to the permit and limitations have been established in accordance with current office practices and the hydrostatic test water general permit.

6. Outfalls 302, 002 and 003 - Biomonitoring requirements have been moved from Outfall 302 to Outfalls 002 and 003.

7. Part II - Phase II 316(b) requirements have been established in the draft permit.

8. Outfalls 002, 003, 004, 005 and 007 - Total Copper monitoring and a load allocation has been added to the permit based upon a TMDL.

9. Outfalls 002, 003, 004, 005 and 007 - TDS monitoring and a concentration limitation has been added to the permit for these outfalls based upon a TMDL. Final limitations will go into effect on May 23, 2007.

The following section sets forth the principal facts and the significant factual, legal, methodological, and policy questions considered in preparing the draft permit. Also set forth are any calculations or other

explanations of the derivation of specific effluent limitations and conditions, including a citation to the applicable effluent limitation guideline or performance standard provisions as required under LAC 33:IX.2707/40 CFR Part 122.44 and reasons why they are applicable or an explanation of how the alternate effluent limitations were developed.

B. TECHNOLOGY-BASED VERSUS WATER QUALITY STANDARDS-BASED EFFLUENT LIMITATIONS AND CONDITIONS

Following regulations promulgated at LAC 33:IX.2707.L.2.b/40 CFR Part 122.44(l)(2)(ii), the draft permit limits are based on either technology-based effluent limits pursuant to LAC 33:IX.2707.A/40 CFR Part 122.44(a) or on State water quality standards and requirements pursuant to LAC 33:IX.2707.D/40 CFR Part 122.44(d), whichever are more stringent.

TECHNOLOGY-BASED EFFLUENT LIMITATIONS AND CONDITIONS

Regulations promulgated at LAC 33:IX.2707.A/40 CFR Part 122.44(a) require technology-based effluent limitations to be placed in LPDES permits based on effluent limitations guidelines where applicable, on BPJ (best professional judgement) in the absence of guidelines, or on a combination of the two. The following is a rationale for types of wastewaters. See outfall information descriptions for associated outfalls in Section VII.

CLECO Evangeline, L.L.C. is subject to Best Practicable Control Technology Currently Available (BPT) and Best Available Technology Economically Achievable (BAT) effluent limitation guidelines listed below:

Manufacturing Operation	Guideline
Steam Electric Power Generating	40 CFR 423

Proposed effluent limitations and basis of permit limitations are found below:

Outfall 002 (INTERIM EFFLUENT LIMITATIONS) - Reservoir overflow consisting of once through previously monitored non-contact cooling water from Outfall 302, previously monitored low volume wastewaters from Outfalls 102 and 202, previously monitored hydrostatic test water from Outfall 402, clarifier sedimentation pond overflow, and non-process area stormwater runoff

Parameter	Effluent Limitations		Monitoring Freq.	Reference
	Monthly Avg	*Daily Max*		
Flow	Report	Report	1/day	LAC 33:IX.2707.I.1.b
Temperature	95°F	97°F	Continuous	Previous permit
pH	6.0 s.u. (Min)	9.0 s.u. (Max)	1/week	40 CFR 423.12(b)(1), and previous permit
Total Copper	1.35 lbs/day (*1)(*2)	---	1/3 months	TMDL allocation (*2)

Total Dissolved Solids	---	Report	1/month	Report requirement due to future implementation of TMDL limitation
Biomonitoring (*3)	See Section D (Biomonitoring Requirements) below	See Section D (Biomonitoring Requirements) below	1/3 months	See Section D (Biomonitoring Requirements) below

(*1) The permittee shall conduct Total Copper monitoring at Outfalls 002, 003, 004, 005 and 007. The flow weighted **combined** loading of the outfalls shall not exceed the Monthly Average Total Copper limitation of 1.35 lbs/day.

(*2) In the Bayou Cocodrie TMDL for Dissolved Copper (revised February 25, 2000), the Evangeline Power Station was assigned a waste load allocation for Dissolved Copper. However, in accordance with 40 CFR 122.45(c), the permit has established copper effluent limitations in the total form rather than the dissolved form. This effluent limation was calculated in accordance with water quality implementation strategies (Permitting Guidance Document for Implementing Louisiana Surface Water Quality Standards, LDEQ, September 27, 2001)

(*3) The permittee shall perform biomonitoring on the flow-weighted composite of Outfalls 002 and 003.

Outfall 002 (FINAL EFFLUENT LIMITATIONS) - Reservoir overflow consisting of once through previously monitored non-contact cooling water from Outfall 302, previously monitored low volume wastewaters from Outfalls 102 and 202, previously monitored hydrostatic test water from Outfall 402, clarifier sedimentation pond overflow, and non-process area stormwater runoff

Parameter	Effluent Limitations		Monitoring Freq.	Reference
	Monthly Avg	*Daily Max*		
Flow	Report	Report	1/day	LAC 33:IX.2707.I.1.b
Temperature	95°F	97°F	Continuous	Previous permit
pH	6.0 s.u. (Min)	9.0 s.u. (Max)	1/week	40 CFR 423.12(b)(1), and previous permit
Total Copper	1.35 lbs/day (*1)(*2)	---	1/3 months	TMDL allocation (*2)
Total Dissolved Solids	100 mg/l	---	1/month	TMDL limitation

Biomonitoring (*3)	See Section D (Biomonitoring Requirements) below	See Section D (Biomonitoring Requirements) below	1/3 months	See Section D (Biomonitoring Requirements) below

(*1) The permittee shall conduct Total Copper monitoring at Outfalls 002, 003, 004, 005 and 007. The flow weighted **combined** loading of the outfalls shall not exceed the Monthly Average Total Copper limitation of 1.35 lbs/day.

(*2) In the Bayou Cocodrie TMDL for Dissolved Copper (revised February 25, 2000), the Evangeline Power Station was assigned a waste load allocation for Dissolved Copper. However, in accordance with 40 CFR 122.45(c), the permit has established copper effluent limitations in the total form rather than the dissolved form. This effluent limation was calculated in accordance with water quality implementation strategies (Permitting Guidance Document for Implementing Louisiana Surface Water Quality Standards, LDEQ, September 27, 2001)

(*3) The permittee shall perform biomonitoring on the flow-weighted composite of Outfalls 002 and 003

Outfall 003 (INTERIM EFFLUENT LIMITATIONS)- Reservoir overflow consisting of previously monitored once through non-contact cooling water from Outfall 302, previously monitored low volume wastewaters from Outfalls 102 and 202, previously monitored hydrostatic test water from Outfall 402, clarifier sedimentation pond overflow, and non-process area stormwater runoff

Parameter	Effluent Limitations		Monitoring Freq.	Reference
	Monthly Avg	*Daily Max*		
Flow	Report	Report	1/day	LAC 33:IX.2707.I.1.b
Temperature	95°F	97°F	Continuous	Previous permit
Total Copper	--- (*1)	---	1/3 months	TMDL Allocation
Total Dissolved Solids	---	Report	1/month	Report requirement due to future implementation of TMDL limitation
pH	6.0 s.u. (Min)	9.0 s.u. (Max)	1/week	40 CFR 423.12(b)(1), and previous permit

(*1) The permittee shall conduct Total Copper monitoring at Outfalls 002, 003, 004, 005 and 007. The flow weighted **combined** loading of the outfalls shall not exceed the Monthly Average Total Copper limitation of 1.35 lbs/day. The permittee shall only report Total Copper data on a quarterly DMR form for Outfall 002.

Outfall 003 (FINAL EFFLUENT LIMITATIONS)- Reservoir overflow consisting of previously monitored once through non-contact cooling water from Outfall 302, previously monitored low volume wastewaters from Outfalls 102 and 202, previously monitored hydrostatic test water from Outfall 402, clarifier sedimentation pond overflow, and non-process area stormwater runoff

Parameter	Effluent Limitations		Monitoring Freq.	Reference
	Monthly Avg	*Daily Max*		
Flow	Report	Report	1/day	LAC 33:IX.2707.I.1.b
Temperature	95°F	97°F	Continuous	Previous permit
Total Copper	--- (*1)	---	1/3 months	TMDL Allocation
Total Dissolved Solids	100 mg/l	---	1/month	TMDL limitation
pH	6.0 s.u. (Min)	9.0 s.u. (Max)	1/week	40 CFR 423.12(b)(1), and previous permit

(*1) The permittee shall conduct Total Copper monitoring at Outfalls 002, 003, 004, 005 and 007. The flow weighted **combined** loading of the outfalls shall not exceed the Monthly Average Total Copper limitation of 1.35 lbs/day. The permittee shall only report Total Copper data on a quarterly DMR form for Outfall 002.

Outfall 102 - Low volume wasteater (HRSG blowdown)

Outfall 202 - Low volume wastewater (filter backwash)

Parameter	Effluent Limitations		Monitoring Freq.	Reference
	Monthly Avg	*Daily Max*		
Flow	Report	Report	1/day	LAC 33:IX.2707.I.1.b
TSS	30 mg/l	100 mg/l	1/week	40 CFR 423.12(b)(3), and previous permit
Oil & Grease	15 mg/l	20 mg/l	1/week	40 CFR 423.12(b)(3), and previous permit

Outfall 302 - Once through non-contact cooling water, previously monitored low volume wastewaters from Outfalls 102 and 202, previously monitored hydrostatic test water from Outfall 402, and clarifier sedimentation pond overflow

Parameter	Effluent Limitations		Monitoring Freq.	Reference
	Monthly Avg	*Daily Max*		
Flow	Report	Report	1/day	LAC 33:IX.2707.I.1.b
Total Residual Chlorine	—	0.20 mg/l	1/week	40 CFR 423.13(b)(1)

Outfall 402 - Hydrostatic test waters

Parameter	Effluent Limitations		Monitoring Freq.	Reference
	Monthly Avg	*Weekly Avg*		
Flow	Report	Report	1/discharge	LAC 33:IX.2707.I.1.b
TSS(*1)	---	90 mg/l	1/discharge	LPDES Hydrostatic Test Water General Permit (LAG670000)
TOC (*2)	---	50 mg/l	1/discharge	LPDES Hydrostatic Test Water General Permit (LAG670000)
Benzene (*3)(*4)	---	50 μg/l	1/discharge	LPDES Hydrostatic Test Water General Permit (LAG670000)
Total BTEX(*3)(*5)	---	250 μg/l	1/discharge	LPDES Hydrostatic Test Water General Permit (LAG670000)
Total Lead(*3)	---	50 μg/l	1/discharge	LPDES Hydrostatic Test Water General Permit (LAG670000)

(*1) TSS Monitoring shall take place at Outfall 402 only when discharging to Outfall 302.

(*2) TOC Monitoring shall take place at Outfall 402 only when discharging from existing or previously used vessels.

(*3) Sampling for Total Lead, Total BTEX and Benzene is <u>only</u> required when discharging hydrostatic test waters from <u>existing</u> pipes, tanks, vessels or equipment that have been used for the storage or transportation of liquid or gaseous hydrocarbons, ie diesel tanks or natural gas lines, etc.

(*4) For Discharge Monitoring Report calculations and reporting requirements for benzene, analytical test results less than 10 μg/l may be reported as zero.

(*5) Total BTEX shall be measured as the sum of Benzene, Toluene, Ethylbenzene and Total Xylene (including ortho-, meta-, and para-xylene) as quantifed by EPA methods 601, 602, and 1624.

Outfall 004 (INTERIM EFFLUENT LIMITATIONS) - Low volume wastewater consisting of but not limited to floor and drain effluent (oily drains), oil/water separator effluent and miscellaneous maintenance wastewaters including fire systems test water, eye wash station and safety shower water, general facility washwater, and previously monitored hydrostatic test water from Outfall 402

Outfall 005 (INTERIM EFFLUENT LIMITATIONS) - Low volume wastewater (Demineralizer regeneration neutralization water)

Parameter	Effluent Limitations		Monitoring Freq.	Reference
	Monthly Avg	*Daily Max*		
Flow	Report	Report	1/day	LAC 33:IX.2707.I.1.b
TSS	30 mg/l	100 mg/l	1/week	40 CFR 423.12(b)(3), and previous permit
Oil & Grease	15 mg/l	20 mg/l	1/week	40 CFR 423.12(b)(3), and previous permit
Total Copper	--- (*1)	---	1/quarter	TMDL Allocation
Total Dissolved Solids	---	Report	1/month	Report requirement due to future implementation of TMDL limitation
pH	6.0 s.u. (Min)	9.0 s.u. (Max)	1/week	40 CFR 423.12(b)(1), and previous permit

(*1) The permittee shall conduct Total Copper monitoring at Outfalls 002, 003, 004, 005 and 007. The flow-weighted **combined** loading of the outfalls shall not exceed the Monthly Average Total Copper limitation of 1.35 lbs/day. The permittee shall only report Total Copper data on a quarterly DMR form for Outfall 002.

Outfall 004 (FINAL EFFLUENT LIMITATIONS) - Low volume wastewater consisting of but not limited to floor and drain effluent (oily drains), oil/water separator effluent and miscellaneous maintenance wastewaters including fire systems test water, eye wash station and safety shower water, general facility washwater, and previously monitored hydrostatic test water from Outfall 402

Outfall 005 (FINAL EFFLUENT LIMITATIONS) - Low volume wastewater (Demineralizer regeneration neutralization water)

Parameter	Effluent Limitations		Monitoring Freq.	Reference
	Monthly Avg	*Daily Max*		
Flow	Report	Report	1/day	LAC 33:IX.2707.I.1.b
TSS	30 mg/l	100 mg/l	1/week	40 CFR 423.12(b)(3), and previous permit
Oil & Grease	15 mg/l	20 mg/l	1/week	40 CFR 423.12(b)(3), and previous permit
Total Copper	--- (*1)	---	1/quarter	TMDL Allocation
Total Dissolved Solids	100 mg/l	---	1/month	TMDL limitation
pH	6.0 s.u. (Min)	9.0 s.u. (Max)	1/week	40 CFR 423.12(b)(1), and previous permit

(*1) The permittee shall conduct Total Copper monitoring at Outfalls 002, 003, 004, 005 and 007. The flow weighted combined loading of the outfalls shall not exceed the Monthly Average Total Copper limitation of 1.35 lbs/day. The permittee shall only report Total Copper data on a quarterly DMR form for Outfall 002.

Outfall 007 (INTERIM EFFLUENT LIMITATIONS) - Treated sanitary wastewater

Parameter	Effluent Limitations		Monitoring Freq.	Reference(*1)
	Monthly Avg	*Weekly Avg*		
Flow	Report	Report	1/3 months	LAC 33:IX.2707.I.1.b
TSS	---	45 mg/l	1/3 months	Previous permit and LAG530000
BOD	---	45 mg/l	1/3 months	Previous permit and LAG530000
Fecal Coliform	---	400 col./100ml	1/3 months	Previous permit and LAG530000

Total Copper	--- (*2)	---	1/3 months	TMDL Allocation
Total Dissolved Solids	---	Report	1/month	Report requirement due to future implementation of TMDL limitation
pH	6.0 s.u. (Min)	9.0 s.u. (Max)	1/3 months	Previous permit and LAG530000

(*1) Sanitary wastewaters are regulated in accordance with LAC 33:IX.711 or 709.B, by BPJ utilizing the sanitary general permits issued by this Office, and the Louisiana Water Quality Management Plan, Volume 8, Appendices A (Areawide Sanitary Effluent Limits Policy) and B (Statewide Sanitary Effluent Limits Policy), as applicable. Concentration limits are used in accordance with LAC 33:IX.2709.F.1.b which states that mass limitations are not necessary when applicable standards and limitations are expressed in other units of measurement. LAC 33:IX.709.B references LAC 33:IX.711 which express BOD_5 and TSS in terms of concentration.

(*2) The permittee shall conduct Total Copper monitoring at Outfalls 002, 003, 004, 005 and 007. The flow weighted **combined** loading of the outfalls shall not exceed the Monthly Average Total Copper limitation of 1.35 lbs/day. The permittee shall only report Total Copper data on a quarterly DMR form for Outfall 002.

Outfall 007 (FINAL EFFLUENT LIMITATIONS) - Treated sanitary wastewater

Parameter	Effluent Limitations		Monitoring Freq.	Reference(*1)
	Monthly Avg	*Weekly Avg*		
Flow	Report	Report	1/3 months	LAC 33:IX.2707.I.1.b
TSS	---	45 mg/l	1/3 months	Previous permit and LAG530000
BOD	---	45 mg/l	1/3 months	Previous permit and LAG530000
Fecal Coliform	---	400 col./100ml	1/3 months	Previous permit and LAG530000
Total Copper	--- (*2)	---	1/3 months	TMDL Allocation
Total Dissolved Solids	100 mg/l	---	1/month	TMDL limitation
pH	6.0 s.u. (Min)	9.0 s.u. (Max)	1/3 months	Previous permit and LAG530000

(*1) Sanitary wastewaters are regulated in accordance with LAC 33:IX.711 or 709.B, by BPJ utilizing the sanitary general permits issued by this Office, and the Louisiana Water Quality Management Plan,

Volume 8, Appendices A (Areawide Sanitary Effluent Limits Policy) and B (Statewide Sanitary Effluent Limits Policy), as applicable. Concentration limits are used in accordance with LAC 33:IX.2709.F.1.b which states that mass limitations are not necessary when applicable standards and limitations are expressed in other units of measurement. LAC 33:IX.709.B references LAC 33:IX.711 which express BOD_5 and TSS in terms of concentration.

(*2) The permittee shall conduct Total Copper monitoring at Outfalls 002, 003, 004, 005 and 007. The flow weighted **combined** loading of the outfalls shall not exceed the Monthly Average Total Copper limitation of 1.35 lbs/day. The permittee shall only report Total Copper data on a quarterly DMR form for Outfall 002.

C. WATER QUALITY-BASED EFFLUENT LIMITATIONS

Technology-based effluent limitations were screened against state water quality numerical standard based limits by following guidance procedures established in the Permitting Guidance Document for Implementing Louisiana Surface Water Quality Standards, LDEQ, September 27, 2001. Calculations, results, and documentation are given in Appendix C.

In accordance with 40 CFR 122.44(d)(1)/LAC 33:IX.2707.D.1 the existing (or potential) discharge(s) was evaluated in accordance with the Permitting Guidance Document for Implementing Louisiana Surface Water Quality Standards, LDEQ, September 27, 2001, to determine whether pollutants would be discharged "at a level which will cause, have the reasonable potential to cause, or contribute to an excursion above any water quality standard." Calculations, results, and documentation are given in Appendix C.

The Evangeline Power Station has two primary outfalls that comprise the overflow of once-through non-contact cooling water and miscellaneous wastewaters into Bayou Cocodrie. For the purposes of this permit, and in accordance with the effluent data submitted by the facility in the April 1, 2005 application, these two outfalls are considered identical. Therefore, only one outfall (Outfall 002) was screened for water quality.

The following pollutants received water quality based effluent limits:

None

Minimum quantification levels (MQL's) for state water quality numerical standards-based effluent limitations are set at the values listed in the Permitting Guidance Document for Implementing Louisiana Surface Water Quality Standards, LDEQ, September 27, 2001. They are also listed in Part II of the permit.

To further ensure compliance with 40 CFR 122.44(d)(1), whole effluent toxicity testing has been established for Outfalls 002 and 003 (See Section VIII.D below).

D. BIOMONITORING REQUIREMENTS

It has been determined that there may be pollutants present in the effluent which may have the potential to cause toxic conditions in the receiving stream. The State of Louisiana has established a narrative criteria which states, "toxic substances shall not be present in quantities that alone or in combination will be toxic to plant or animal life." The Office of Environmental Services requires the use of the most recent EPA biomonitoring protocols.

Whole effluent biomonitoring is the most direct measure of potential toxicity which incorporates both the effects of synergism of effluent components and receiving stream water quality characteristics. Biomonitoring of the effluent is, therefore, required as a condition of this permit to assess potential toxicity. The biomonitoring procedures stipulated as a condition of this permit for Outfalls 002 and 003 are as follows:

TOXICITY TESTS	FREQUENCY
NOEC, Pass/Fail [0/1], Lethality, Static Renewal, 7-Day Chronic, Pimephales promelas	1/3 months*
NOEC, Value [%], Lethality, Static Renewal, 7-Day Chronic, Pimephales promelas	1/3 months*
NOEC, Value [%], Growth, Static Renewal, 7-Day Chronic, Pimephales promelas	1/3 months*
NOEC, Pass/Fail [0/1], Growth, Static Renewal, 7-Day Chronic, Pimephales promelas	1/3 months*
NOEC, Value [%], Coefficient of Variation, Static Renewal, 7-Day Chronic, Pimephales promelas	1/3 months*
NOEC, Pass/Fail [0/1], Lethality, Static Renewal 7-Day Chronic, Ceriodaphnia dubia	1/3 months**
NOEC, Value [%], Lethality, Static Renewal, 7-Day Chronic Ceriodaphnia dubia	1/3 months**
NOEC, Value [%], Reproduction, Static Renewal Renewal, 7-Day Chronic, Ceriodaphnia dubia	1/3 months**

NOEC, Pass/Fail [0/1], Reproduction, Static Renewal, 7-Day Chronic, Ceriodaphnia dubia	1/3 months**
NOEC, Value [%], Coefficient of Variation, Static Renewal, 7-Day Chronic, Ceriodaphnia dubia	1/3 months**

* If lethal effects are not exhibited at the critical dilution after the first year of biomonitoring, the monitoring frequency shall be reduced to once per year.

** If lethal effects are not exhibited at the critical dilution after the first year of biomonitoring, the monitoring frequency shall be reduced to once per six months.

Toxicity tests shall be performed in accordance with protocols described in the latest revision of the "Methods for Measuring the Acute Toxicity of Effluents and Receiving Waters to Freshwater and Marine Organisms." The stipulated test species are appropriate to measure the toxicity of the effluent consistent with the requirements of the State water quality standards. The biomonitoring frequency has been established to reflect the likelihood of ambient toxicity and to provide data representative of the toxic potential of the facility's discharge in accordance with regulations promulgated at LAC 33:IX.2715/40 CFR Part 122.48.

Results of all dilutions as well as the associated chemical monitoring of pH, temperature, hardness, dissolved oxygen, conductivity, and alkalinity shall be documented in a full report according to the test method publication mentioned in the previous paragraph. The permittee shall submit a copy of the first full report to this Office. The full report and subsequent reports are to be retained for three (3) years following the provisions of Part III.C.3 of this permit. The permit requires the submission of certain toxicity testing information as an attachment to the Discharge Monitoring Report.

This permit may be reopened to require effluent limits, additional testing, and/or other appropriate actions to address toxicity if biomonitoring data show actual or potential ambient toxicity to be the result of the permittee's discharge to the receiving stream or water body. Modification or revocation of the permit is subject to the provisions of LAC 33:IX.3105/40 CFR 124.5. Accelerated or intensified toxicity testing may be required in accordance with Section 308 of the Clean Water Act.

Dilution Series

The permit requires five (5) dilutions in addition to the control (0% effluent) to be used in the toxicity tests. These additional effluent concentrations shall be: 87%, 65%, 49%, 37%, and 28%

The low-flow effluent concentration (critical dilution) is defined as 87% effluent.

IX. Compliance History

A. Compliance History: The facility was issued a Compliance Order (WE-C-01-0525) on November 29, 2001. The Order cited several effluent limitation exceedances from April 2000 - August 2001.

An annual compliance inspection conducted on September 15, 2005 indicated that all areas evaluated at the site were satisfactory.

B. DMR Review: DMRs were reviewed for the period January 2003 - December 2005. The following excursions were reported.

Date	Parameter	Outfall	Reported Value	Permit Limits
1/31/2003	Temperature	C02	99.55 °F (Max)	97°F(Max)
2/28/2003	Temperature	C03	119.48 °F (Max)	97°F (Max)
9/30/2005	Fecal Coliform	C07	544 col/100 ml	400 col/100 ml

X. Endangered Species:

The receiving waterbody, Subsegment 060201 of the Vermilion-Teche Basin is not listed in Section II.2 of the Implementation Strategy as requiring consultation with the U.S. Fish and Wildlife Service (FWS). This strategy was submitted with a letter dated October 21, 2005 from Watson (FWS) to Gautreaux (LDEQ). Therefore, in accordance with the Memorandum of Understanding between the LDEQ and the FWS, no further informal (Section 7, Endangered Species Act) consultation is required. It was determined that the issuance of the LPDES permit is not likely to have an adverse effect on any endangered or candidate species or the critical habitat. The effluent limitations established in the permit ensure protection of aquatic life and maintenance of the receiving water as aquatic habitat.

XI. Historic Sites:

The discharge is from an existing facility location, which does not include an expansion on undisturbed soils. Therefore, there should be no potential effect to sites or properties on or eligible for listing on the National Register of Historic Places, and in accordance with the "Memorandum of Understanding for the Protection of Historic Properties in Louisiana Regarding LPDES Permits" no consultation with the Louisiana State Historic Preservation Officer is required.

XII. Tentative Determination:

On the basis of preliminary staff review, the Department of Environmental Quality has made a tentative determination to reissue a permit for the discharge described in the application.

XIII. Variances:

No requests for variances have been received by this Office.

XIV. Public Notices:

Upon publication of the public notice, a public comment period shall begin on the date of publication and last for at least 30 days thereafter. During this period, any interested persons may submit written comments on the draft permit and may request a public hearing to clarify issues involved in the permit decision at this Office's address on the first page of the fact sheet. A request for a public hearing shall be in writing and shall state the nature of the issues proposed to be raised in the hearing.

A public notice will be published in a local newspaper of general circulation and in the Office of Environmental Services Public Notice Mailing List

XV. 303(d) Listed Waterbodies/Total Maximum Daily Load Allocations:

Segment 060201, Bayou Cocodrie - From U.S. Hwy 167 to Bayou Boeuf-Cocodrie Diversion Canal, is not listed on LDEQ's Final 2004 303(d) List as impaired. However, Segment 060201 was previously listed as impaired for Lead, TSS/Turbidity, Siltation, Organic Enrichment/Low DO, Copper and TDS, for which the below TMDLs and delistings have been completed.The Department of Environmental Quality reserves the right to impose more stringent discharge limitations and/or additional restrictions in the future to maintain the water quality integrity and the designated uses of the receiving water bodies based upon additional TMDLs and/or water quality studies. The DEQ also reserves the right to modify or revoke and reissue this permit based upon any changes to established TMDLs for this discharge, or the accomodate for pollutant trading provisions in approved TMDL watersheds as necessary to achieve compliance with water quality standards.

The below is a summary of the delisting and established TMDL requirements:

Lead

As per the February 29, 2000 Delist (Federal Register Notice: Vol. 65, Num. 173, pages 54032-54034, 9/6/2000), assessment of new data and information shows this segment is meeting water quality standards for Lead. Therefore, requirements for Lead will not be placed in this permit.

TMDL for TSS, Turbidity and Siltation for the Bayou Teche Watershed

The TMDL for TSS, Turbidity, and Siltation for the Bayou Teche Watershed (which includes Segment 060201 - Bayou Cocodrie) was final on May 2, 2002. As per the TMDL, "Point source loads do not represent a significant source of TSS as defined in this TMDL. Point sources discharge primarily organic TSS, which does not contribute to habitat impairment resulting from sedimentation. Because the point sources are minor contributors, and dischargers of organic suspended solids from point sources are already addressed by LDEQ through their permitting of point sources to maintain water quality standards for DO, the wasteload allocation for point source contributions were set to zero. This TMDL only addresses the landform contribution of TSS/sediment and does not address the insignificant point source contributions." Therefore, TSS limits will remain as in the previous LPDES permit.

Bayou Cocodrie Watershed TMDL for Dissolved Oxygen

The TMDL for Dissolved Oxygen for Bayou Cocodrie was revised on September 2, 2003. Currently, there is a 2nd revision to the TMDL proposed but has not been finalized. The Final Revised TMDL included Cleco Evangeline, L.L.C. (formerly the Coughlin Power Station) in the model created for the Bayou Cocodrie system; however, it was determined that no reductions were necessary for the facility. Dissolved Oxygen and BOD data at Outfalls C02 and C03 submitted by the facility indicate no presence of the pollutants. Therefore, no DO load allocations have been included in the permit. The permit will continue to require BOD limitations at the facility's internal sanitary wastewater outfall.

Bayou Cocodrie TMDL for Dissolved Copper

The TMDL for Dissolved Copper for Bayou Cocodrie was revised on February 25, 2000. The TMDL assigned Cleco Evangeline, L.L.C. a wasteload allocation of 0.507 lbs/day. This allocation is established in the draft permit. Based upon this Office' s policy for TMDL implementation scheduling in permits, the TMDL limitation will go into effect upon the effective date of the permit.

Bayou Cocodrie TMDL for Total Dissolved Solids

The TMDL for TDS for Bayou Cocodrie was finalized on May 23, 2001. The TMDL states that there will be a need to include TDS limits in permit requirements based upon a wasteload allocation resulting the TMDL unless it can be demonstrated that TDS is not present in the discharger effluent. The TMDL uses a TDS water quality standard of 100 mg/l. Effluent data submitted by the facility indicate that several of the outfalls that discharge directly to Bayou Cocodrie demonstrate reasonable potential to discharge TDS at a level of 100 mg/l or greater. The TMDL established a waste load allocation (WLA) of 98,412 lbs/day for Cleco Evangeline. This allocation was calculated based upon the the 100 mg/l standard and 118 MGD from the facility. This Office has determined that applying the concentration limitation of 100 mg/l to the final outfalls is more appropriate than using the waste load allocation established in the TMDL, because the WLA was calculated based upon an incorrect facility flow. Therefore, a TDS limitation of 100 mg/l has been established at Outfalls 002, 003, 004, 005 and 007. Based upon this Office' s policy for TMDL implementation scheduling in permits, the TMDL limitation will go into effect May 23, 2007 (6 years from the effective date of the TMDL).

XVII. 316(b) Phase II Rule Requirements:

The Evangeline Power Station is an existing electric generating facility that operates a cooling water intake structure on the Bayou Cocodrie. The intake structure has a total design capacity of approximately 236 MGD. In preparing the renewal LPDES permit for the facility, this Office determined that in accordance with 40 CFR 125.91(a) and LAC 33:IX.4733, the facility is regulated by the 316(b) Phase II rule for cooling water intake structures because it is an existing facility that has a design intake capacity greater than 50 MGD.

The permittee shall initiate compliance with Section 316(b) Phase II Rule requirements [(Section 316(b) of the Clean Water Act] and the applicable state regulations for cooling water intake structures, as required, per the schedule specified in the Final Rule (Federal Register - Volume 69, Number 131, pages 41575-41693). This shall include, but not be limited to, the submission of the comprehensive demonstration study and other information required by 40 CFR 125.95, as expeditiously as practicable, but no later than January 7, 2008.

Appendix A

Effluent data

OUTFALL 002 (C02)

Effluent data from the April 1, 2005
LPDES permit application

EPA I.D. NUMBER LA0034483651

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

OUTFALL NUMBER C02

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 AVERAGE VALUE (1) CONC.	(2) MASS	b. NO. OF ANALYSES
a. Biochemical Oxygen Demand (BOD)	<2.0	<582.47	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
b. Chemical Oxygen Demand (COD)	35	10,193	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
c. Total Organic Carbon (TOC)	12.5	3,640	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
d. Total Suspended Solids (TSS)	8	2,330	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
e. Ammonia (as N)	<0.03	<8.74	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
f. Flow	VALUE	112.9	VALUE	112.9	VALUE	45.58	731	mgd	NA	NA	NA	NA
g. Temperature (summer)	VALUE	95.3	VALUE	87.5	VALUE	71.62	731	°F	NA	NA	NA	NA
h. Temperature (winter)	VALUE	NA	VALUE	NA	VALUE	NA	NA	NA	NA	NA	NA	NA
	MINIMUM	MAXIMUM	[redacted]									
i. pH	6.1	8.5					104	S.U.	NA	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 AVERAGE VALUE (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		X	0	0	0	0	0	0	1	mg/L	lbs/day	NA	NA	NA
c. Color (True, Apparent)	X		140	NA	NA	NA	NA	NA	1	PtCo units	NA	NA	NA	NA
d. Fecal Coliform		X	NA	NA	NA	NA	NA	NA	NA	NA	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)		X	<0.03	<8.74	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
g. Nitrogen, Total Organic (as N)	X		0.53	154	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
h. Oil & Grease	X		0.75	218	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
i. Phosphorus (as P), Total (7723-14-0)	X		0.06	17	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		1.7	495	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
l. Sulfide (as S)		X	<0.3	<87.37	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
m. Sulfite (as SO_3)(14265-45-3)		X	<2.0	<110	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
n. Surfactants		X	<0.2	<582.47	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
o. Aluminum, Total (7429-90-5)	X		0.572	167	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
p. Barium, Total (7440-33-3)	X		0.0358	10	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
q. Boron, Total (7440-42-8)	X		0.0171	5	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
r. Cobalt, Total (7440-48-4)	X		0.00047	0.14	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
s. Iron, Total (7439-89-6)	X		1.37	399	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
t. Magnesium, Total (7439-95-4)	X		1.46	425	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
u. Molybdenum, Total (7439-98-7)	X		0.00027	0.08	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
v. Manganese, Total (7439-96-5)	X		0.0938	27	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
w. Tin, Total (7440-31-5)	X		0.00006	0.02	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
x. Titanium, Total (7440-32-6)	X		0.0288	8	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA

EPA I.D. NUMBER LAD034483651

OUTFALL NUMBER C02

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 AVERAGE VALUE (1) CONC.	a. LONG TERM AVERAGE VALUE (2) MASS	b. NO. OF ANALYSES
Part C-Metals, Cyanide, and Total Phenols															
1M. Antimony, Total (7440-36-0)	X	X		0.00008	0.0233	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
2M. Arsenic, Total (7440-38-2)	X	X		0.0008	0.2330	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
3M. Beryllium, Total (7440-41-7)	X	X		0.000072	0.0210	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
4M. Cadmium, Total (7440-43-9)	X	X		0.00003	0.0087	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
5M. Chromium, Total (7440-47-3)	X	X		0.00168	0.4893	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
6M. Copper, Total (7440-50-8)	X	X		0.00136	0.3961	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
7M. Lead, Total (7439-92-1)	X	X		0.000533	0.1552	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
8M. Mercury, Total (7439-97-6)	X		X	<0.00004	<0.0116	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
9M. Nickel, Total (7440-02-0)	X	X		0.002	0.5825	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
10M. Selenium, Total (7782-49-2)	X	X		0.0002	0.0582	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
11M. Silver, Total (7440-22-4)	X	X		0.000013	0.0038	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
12M. Thallium, Total (7440-28-0)	X	X		0.000016	0.0047	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
13M. Zinc, Total (7440-66-6)	X	X		0.0047	1.3688	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
14M. Cyanide, Total (57-12-5)	X		X	<0.003	<0.8737	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
15A. Phenol, Total	X		X	<0.0055	<1.6018	NA	NA	NA	NA	1	mg/L	lbs/day	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		X	<0.05	<14.56	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
2V. Acrylonitrile (107-13-1)	X		X	<0.01	<2.91	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
3V. Benzene (71-43-2)	X		X	<0.005	<1.456	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
4V. Bis (Chloromethyl) Ether (542-88-1)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
5V. Bromoform (75-25-2)	X		X	<0.005	<1.456	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
6V. Carbon Tetrachloride (56-23-5)	X		X	<0.005	<1.456	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
7V. Chlorobenzene (108-90-7)	X		X	<0.005	<1.456	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
8V. Chlorodibromomethane (124-48-1)	X		X	<0.005	<1.456	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
9V. Chloroethane (75-00-3)	X		X	<0.005	<1.456	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
10V. 2-Chloroethylvinyl Ether (110-75-8)	X		X	<0.010	<2.91	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
11V. Chloroform (67-66-3)	X		X	<0.005	<1.456	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
12V. Dichlorobromomethane (75-27-4)	X		X	<0.005	<1.456	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
13V. Dichlorodifluoromethane (75-71-8)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
14V. 1,1-Dichloroethane (75-34-3)	X		X	<0.005	<1.456	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
15V. 1,2-Dichloroethane (107-06-2)	X		X	<0.005	<1.456	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
16M. 1,1-Dichloroethylene (75-35-4)	X		X	<0.005	<1.456	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
17V. 1,2-Dichloropropane (78-87-5)	X		X	<0.005	<1.456	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
18V. 1,3-Dichloropropylene (542-75-6)	X		X	<0.005	<1.456	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
19V. Ethylbenzene (100-41-4)	X		X	<0.005	<1.456	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
20V. Methyl Bromide (74-83-9)	X		X	<0.005	<1.456	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
21V. Methyl Chloride (74-87-3)	X		X	<0.005	<1.456	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
22V. Methylene Chloride (75-09-2)	X		X	<0.005	<1.456	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA

1. POLLUTANT AND CAS NUMBER	2a. TESTING REQUIRED	2b. BELIEVED PRESENT	2c. BELIEVED ABSENT	EPA I.D. NUMBER LAD034483651 — 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	OUTFALL NUMBER C02 — 5. INTAKE (OPTIONAL) — a. LONG TERM AVERAGE VALUE (1) CONC.	a. LONG TERM AVERAGE VALUE (2) MASS	b. NO. OF ANALYSES
23V 1,1,2,2-Tetrachloroethane (79-34-5)	X		X	<0.005	<1.456	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
24V Tetrachloroethylene (127-18-4)	X		X	<0.005	<1.456	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
25V Toluene (108-88-3)	X		X	<0.005	<1.456	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
26V 1,2-Trans-Dichloroethylene (156-60-5)	X		X	<0.005	<1.456	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
27V 1,1,1-Trichloroethane (71-55-6)	X		X	<0.005	<1.456	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
28V 1,1,2-Trichloroethane (79-00-5)	X		X	<0.005	<1.456	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
29V Trichloroethylene (79-01-6)	X		X	<0.005	<1.456	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
30V Trichlorofluoromethane (75-69-4)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
31V Vinyl Chloride (75-01-4)	X		X	<0.005	<1.456	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
Part C - Acid Compounds															
1A 2-Chlorophenol (95-57-8)	X		X	<0.01	<2.91	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
2A 2,4-Dichlorophenol (120-83-2)	X		X	<0.01	<2.91	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
3A 2,4-Dimethylphenol (105-67-9)	X		X	<0.01	<2.91	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
4A 4,6-Dinitro-o-Cresol (534-52-1)	X		X	<0.025	<7.28	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
5A 2,4-Dinitrophenol (51-28-5)	X		X	<0.025	<7.28	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
6A 2-Nitrophenol (88-75-5)	X		X	<0.01	<2.91	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
7A 4-Nitrophenol (100-02-7)	X		X	<0.025	<7.28	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
8A p-Chloro-m-Cresol (59-50-7)	X		X	<0.01	<7.28	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
9A Pentachlorophenol (87-86-5)	X		X	<0.025	<7.28	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
10A Phenol (108-95-2)	X		X	<0.01	<2.91	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
11A 2,4,6-Trichlorophenol (88-06-2)	X		X	<0.01	<2.91	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
Part C - Base/Neutral Compounds															
1B Acenaphthene (83-32-9)	X		X	<0.01	<2.91	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
2B Acenaphthylene (208-96-8)	X		X	<0.01	<2.91	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
3B Anthracene (120-12-7)	X		X	<0.01	<2.91	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
4B Benzidine (92-87-5)	X		X	<0.05	<14.56	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
5B Benzo (a) Anthracene (56-55-3)	X		X	<0.01	<2.91	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
6B Benzo (a) Pyrene (50-32-8)	X		X	<0.01	<2.91	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
7B 3,4-Benzofluoranthene (205-99-2)	X		X	<0.01	<2.91	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
8B Benzo (g,h,i) Perylene (191-24-2)	X		X	<0.01	<2.91	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
9B Benzo (k) Fluoranthene (207-08-9)	X		X	<0.01	<2.91	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
10B Bis(2-Chloroethoxy) Methane(111-91-1)	X		X	<0.01	<2.91	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
11B Bis(2-Chloroethyl) Ether (111-44-4)	X		X	<0.01	<2.91	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
12B Bis(2-Chloroisopropyl) Ether (102-60-1)	X		X	<0.01	<2.91	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
13B Bis(2-Ethylhexyl) Phthalate (117-81-7)	X		X	<0.01	<2.91	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
14B 4-Bromophenyl Phenyl Ether (101-55-3)	X		X	<0.01	<2.91	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
15B Butyl Benzyl Phthalate (85-68-7)	X		X	<0.01	<2.91	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
16B 2-Chloronaphthalene (91-58-7)	X		X	<0.01	<2.91	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
17B 4-Chlorophenyl Phenyl Ether (7005-72-3)	X		X	<0.01	<2.91	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
18B Chrysene (218-01-9)	X		X	<0.01	<2.91	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
19B Dibenzo (a,h) Anthracene (53-70-3)	X		X	<0.01	<2.91	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA

EPA I.D. NUMBER LAD034863651

OUTFALL NUMBER C02

1. POLLUTANT AND CAS NUMBER	2a. TESTING REQUIRED	2b. BELIEVED PRESENT	2c. BELIEVED ABSENT	3. EFFLUENT a. MAXIMUM ONLY 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 AVERAGE VALUE (1) CONC.	(2) MASS	b. NO. OF ANALYSES
20B 1,2 Dichlorobenzene (95-50-1)	X		X	<0.01	<2.91	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
21B 1,3 Dichlorobenzene (541-73-1)	X		X	<0.01	<2.91	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
22B 1,4 Dichlorobenzene (106-46-7)	X		X	<0.01	<2.91	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
23B 3,3 Dichlorobenzidine (91-94-1)	X		X	<0.025	<7.28	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
24B Diethyl Phthalate (84-66-2)	X		X	<0.01	<2.91	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
25B Dimethyl Phthalate (131-11-3)	X		X	<0.01	<2.91	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
26B Di-n-Butyl Phthalate (84-74-2)	X		X	<0.01	<2.91	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
27B 2,4 Dinitrotoluene (121-14-2)	X		X	<0.01	<2.91	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
28B 2,6 Dinitrotoluene (606-20-2)	X		X	<0.01	<2.91	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
29B Di-n-Octyl Phthalate (117-84-0)	X		X	<0.01	<2.91	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
30B 1,2-Diphenylhydrazine (122-66-7)	X		X	<0.01	<2.91	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
31B Fluoranthene (206-44-0)	X		X	<0.01	<2.91	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
32B Fluorene (86-73-7)	X		X	<0.01	<2.91	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
33B Hexachlorobenzene (118-74-1)	X		X	<0.01	<2.91	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
34B Hexachlorobutadiene (87-68-3)	X		X	<0.01	<2.91	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
35B Hexachlorocyclopentadiene (77-47-4)	X		X	<0.01	<2.91	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
36B Hexachloroethane (67-72-1)	X		X	<0.01	<2.91	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
37B Indeno (1,2,3-cd) Pyrene (193-39-5)	X		X	<0.01	<2.91	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
38B Isophorone (78-59-1)	X		X	<0.01	<2.91	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
39B Naphthalene (91-20-3)	X		X	<0.01	<2.91	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
40B Nitrobenzene (98-95-3)	X		X	<0.01	<2.91	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
41B N-Nitrosodimethylamine (62-75-9)	X		X	<0.025	<7.28	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
42B N-Nitrosodi-n-Propylamine (621-64-7)	X		X	<0.01	<2.91	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
43B N-Nitrosodiphenylamine (86-30-6)	X		X	<0.01	<2.91	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
44B Phenanthrene (85-01-8)	X		X	<0.01	<2.91	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
45B Pyrene (129-00-0)	X		X	<0.01	<2.91	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
46B 1,2,4 Trichlorobenzene (120-82-1)	X		X	<0.01	<2.91	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
Part C - Pesticides															
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 (319-85-7)			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 (115-29-7)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
12P beta-Endosulfan (115-29-7)			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

EPA I.D. NUMBER LAD034483651

OUTFALL NUMBER C02

1. POLLUTANT AND CAS NUMBER	2a. TESTING REQUIRED	2b. BELIEVED PRESENT	2c. BELIEVED ABSENT	3. EFFLUENT a. MAXIMUM ONLY VALUE (1) CONC.	a. MAXIMUM ONLY 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 AVERAGE VALUE (1) CONC.	a. LONG TERM AVERAGE VALUE (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															
Hexavalent Chromium	X		X	<0.01	<2.91	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
Total Kjeldahl Nitrogen	X	X		0.5	145.61	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
Chlorides	X	X		3.5	1,019	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
Total Dissolved Solids	X	X		62	18056.43	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA

NOTES:

A one time grab sampling event was conducted at substantially identical Outfall C03 on 12/07/04 for all parameters indicated above

Historical analytical data from the period 01/01/03-12/31/04 for those permit compliance parameters with multiple laboratory analyses indicated above with the exception of flow

A flow rate of 24.92 mgd was used to convert the 12/07/04 sampling data from concentration to mass where applicable. Maximum 30 day value and long term average mass quantifications conservatively represent the highest concentration value of the respective period quantified using the largest average flow of the similar period

All analytical results reported with a "less than" sign (<) were either (1) not detected in the effluent sample at or above the analytical method detection limit (MDL) achieved by the applicable laboratory analytical method, or (2) non detected quantifiable at the practical quantification limit (PQL) achieved by the applicable laboratory analytical method

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

OUTFALL 003 (C03)

Effluent data from the April 1, 2005
LPDES permit application

EPA I.D. NUMBER LAD034483651

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

OUTFALL NUMBER C03

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 AVERAGE VALUE (1) CONC.	(2) MASS	b. NO. OF ANALYSES
a. Biochemical Oxygen Demand (BOD)	<2.0	<582.47	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
b. Chemical Oxygen Demand (COD)	35	10,193	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
c. Total Organic Carbon (TOC)	12.5	3,640	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
d. Total Suspended Solids (TSS)	8	2,330	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
e. Ammonia (as N)	<0.03	<8.74	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
f. Flow	VALUE 117.9		VALUE 117.9		VALUE 45.58		731	mgd	NA	NA	NA	NA
g. Temperature (summer)	VALUE 93.14		VALUE 87.73		VALUE 70.34		731	°F	NA	NA	NA	NA
h. Temperature (winter)	VALUE NA		VALUE NA		VALUE NA		NA	NA	NA	NA	NA	NA
i. pH	MINIMUM 6.1	MAXIMUM 8.2	[redacted]				104	S.U.	NA	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 AVERAGE VALUE (1) CONC.	(2) MASS	b. NO. OF ANALYSES
b. Bromide (24959-67-9)		X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
c. Chlorine, Total Residual		X	0	0	0	0	0	0	1	mg/L	lbs/day	NA	NA	NA
d. Color (True, Apparent)	X		140	NA	NA	NA	NA	NA	1	PtCo units	NA	NA	NA	NA
e. Fecal Coliform		X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
f. Fluoride (16984-48-8)		X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
g. Nitrate Nitrite (as N)		X	<0.03	<8.74	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
h. Nitrogen, Total Organic (as N)	X		0.53	154	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
i. Oil & Grease	X		0.75	218	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
j. Phosphorus (as P), Total (7723-14-0)	X		0.06	17	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
k. Radioactivity (Alpha), Total		X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
l. Radioactivity (Beta), Total		X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
m. Radioactivity (Radium), Total		X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
n. Radioactivity (Radium 226), Total		X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
o. Sulfate (as SO_4)(14808-79-8)	X		1.7	495	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
p. Sulfide (as S)		X	<0.3	<87.37	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
q. Sulfite (as SO_3)(14265-45-3)		X	<2.0	<110	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
r. Surfactants		X	<0.2	<582.47	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
s. Aluminum, Total (7429-90-5)	X		0.572	166.59	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
t. Barium, Total (7440-39-3)	X		0.0358	10.43	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
u. Boron, Total (7440-42-8)	X		0.0171	4.98	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
v. Cobalt, Total (7440-48-4)	X		0.00047	0.14	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
w. Iron, Total (7439-89-6)	X		1.37	398.99	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
x. Magnesium, Total (7439-95-4)	X		1.46	425.20	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
y. Molybdenum, Total (7439-98-7)	X		0.00027	0.08	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
z. Manganese, Total (7439-96-5)	X		0.0938	27.32	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
aa. Tin, Total (7440-31-5)	X		0.00006	0.02	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
bb. Titanium, Total (7440-32-6)	X		0.0288	8.39	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA

EPA I.D. NUMBER LA0034403651 — OUTFALL NUMBER C03

1. POLLUTANT AND CAS NUMBER	2a. TESTING REQUIRED	2b. BELIEVED PRESENT	2c. 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 AVERAGE VALUE (1) CONC.	(2) MASS	b. NO. OF ANALYSES
Part C-Metals, Cyanide, and Total Phenols															
1M. Antimony, Total (7440-36-0)	X	X		0.00008	0.0233	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
2M. Arsenic, Total (7440-38-2)	X	X		0.0008	0.2330	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
3M. Beryllium, Total (7440-41-7)	X	X		0.000072	0.0210	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
4M. Cadmium, Total (7440-43-9)	X	X		0.00003	0.0087	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
5M. Chromium, Total (7440-47-3)	X	X		0.00168	0.4893	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
6M. Copper, Total (7440-50-8)	X	X		0.00136	0.3961	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
7M. Lead, Total (7439-92-1)	X	X		0.000533	0.1552	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
8M. Mercury, Total (7439-97-6)	X		X	<0.00004	<0.0116	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
9M. Nickel, Total (7440-02-0)	X	X		0.002	0.5825	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
10M. Selenium, Total (7782-49-2)	X	X		0.0002	0.0582	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
11M. Silver, Total (7440-22-4)	X	X		0.000013	0.0038	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
12M. Thallium, Total (7440-28-0)	X	X		0.000016	0.0047	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
13M. Zinc, Total (7440-66-6)	X	X		0.0047	1.3698	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
14M. Cyanide, Total (57-12-5)	X		X	<0.003	<0.8737	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
15A. Phenol, Total	X		X	<0.0055	<1.6018	NA	NA	NA	NA	1	mg/L	lbs/day	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		X	<0.05	<14.56	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
2V. Acrylonitrile (107-13-1)	X		X	<0.01	<2.91	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
3V. Benzene (71-43-2)	X		X	<0.005	<1.456	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
4V. Bis (Chloromethyl) Ether (542-88-1)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
5V. Bromoform (75-25-2)	X		X	<0.005	<1.456	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
6V. Carbon Tetrachloride (56-23-5)	X		X	<0.005	<1.456	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
7V. Chlorobenzene (108-90-7)	X		X	<0.005	<1.456	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
8V. Chlorodibromomethane (124-48-1)	X		X	<0.005	<1.456	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
9V. Chloroethane (75-00-3)	X		X	<0.005	<1.456	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
10V. 2-Chloroethylvinyl Ether (110-75-8)	X		X	<0.010	<2.91	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
11V. Chloroform (67-66-3)	X		X	<0.005	<1.456	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
12V. Dichlorobromomethane (75-27-4)	X		X	<0.005	<1.456	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
13V. Dichlorodifluoromethane (75-71-8)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
14V. 1,1-Dichloroethane (75-34-3)	X		X	<0.005	<1.456	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
15V. 1,2-Dichloroethane (107-06-2)	X		X	<0.005	<1.456	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
16V. 1,1-Dichloroethylene (75-35-4)	X		X	<0.005	<1.456	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
17V. 1,2-Dichloropropane (78-87-5)	X		X	<0.005	<1.456	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
18V. 1,3-Dichloropropylene (542-75-6)	X		X	<0.005	<1.456	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
19V. Ethylbenzene (100-41-4)	X		X	<0.005	<1.456	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
20V. Methyl Bromide (74-83-9)	X		X	<0.005	<1.456	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
21V. Methyl Chloride (74-87-3)	X		X	<0.005	<1.456	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
22V. Methylene Chloride (75-09-2)	X		X	<0.005	<1.456	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA

				EPA I.D. NUMBER LAD034483651									OUTFALL NUMBER		C03
1. POLLUTANT	2a. TESTING	2b. BELIEVED	2c. BELIEVED	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 AVERAGE VALUE		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
23V 1,1,2,2 Tetrachloroethane (79-34-5)	X		X	<0.005	<1.456	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
24V Tetrachloroethylene (127-18-4)	X		X	<0.005	<1.456	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
25V Toluene (108-88-3)	X		X	<0.005	<1.456	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
26V 1,2 Trans Dichloroethylene (156-60-5)	X		X	<0.005	<1.456	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
27V 1,1,1 Trichloroethane (71-55-6)	X		X	<0.005	<1.456	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
28V 1,1,2 Trichloroethane (79-00-5)	X		X	<0.005	<1.456	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
29V Trichloroethylene (79-01-6)	X		X	<0.005	<1.456	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
30V Trichlorofluoromethane (75-69-4)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
31V Vinyl Chloride (75-01-4)	X		X	<0.005	<1.456	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
Part C - Acid Compounds															
1A 2 Chlorophenol (95-57-8)	X		X	<0.01	<2.91	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
2A 2,4 Dichlorophenol (120-83-2)	X		X	<0.01	<2.91	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
3A 2,4 Dimethylphenol (105-67-9)	X		X	<0.01	<2.91	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
4A 4,6 Dinitro o Cresol (534-52-1)	X		X	<0.025	<7.28	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
5A 2,4 Dinitrophenol (51-28-5)	X		X	<0.025	<7.28	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
6A 2 Nitrophenol (88-75-5)	X		X	<0.01	<2.91	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
7A 4 Nitrophenol (100-02-7)	X		X	<0.025	<7.28	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
8A p Chloro m Cresol (59-50-7)	X		X	<0.01	<7.28	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
9A Pentachlorophenol (87-86-5)	X		X	<0.025	<7.28	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
10A Phenol (108-95-2)	X		X	<0.01	<2.91	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
11A 2,4,6 Trichlorophenol (88-06-2)	X		X	<0.01	<2.91	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
Part C - Base/Neutral Compounds															
1B Acenaphthene (83-32-9)	X		X	<0.01	<2.91	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
2B Acenaphthylene (208-96-8)	X		X	<0.01	<2.91	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
3B Anthracene (120-12-7)	X		X	<0.01	<2.91	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
4B Benzidine (92-87-5)	X		X	<0.05	<14.56	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
5B Benzo (a) Anthracene (56-55-3)	X		X	<0.01	<2.91	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
6B Benzo (a) Pyrene (50-32-8)	X		X	<0.01	<2.91	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
7B 3,4 Benzofluoranthene (205-99-2)	X		X	<0.01	<2.91	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
8B Benzo (g,h,i) Perylene (191-24-2)	X		X	<0.01	<2.91	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
9B Benzo (k) Fluoranthene (207-08-9)	X		X	<0.01	<2.91	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
10B Bis(2 Chloroethoxy) Methane(111-91-1)	X		X	<0.01	<2.91	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
11B Bis(2 Chloroethyl) Ether (111-44-4)	X		X	<0.01	<2.91	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
12B Bis(2 Chloroisopropyl) Ether (102-60-1)	X		X	<0.01	<2.91	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
13B Bis(2 Ethylhexyl) Phthalate (117-81-7)	X		X	<0.01	<2.91	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
14B 4 Bromophenyl Phenyl Ether (101-55-3)	X		X	<0.01	<2.91	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
15B Butyl Benzyl Phthalate (85-68-7)	X		X	<0.01	<2.91	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
16B 2 Chloronaphthalene (91-58-7)	X		X	<0.01	<2.91	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
17B 4 Chlorophenyl Phenyl Ether (7005-72-3)	X		X	<0.01	<2.91	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
18B Chrysene (218-01-9)	X		X	<0.01	<2.91	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
19B Dibenzo (a,h) Anthracene (53-70-3)	X		X	<0.01	<2.91	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA

EPA I.D. NUMBER LAD034483651

OUTFALL NUMBER C03

1. POLLUTANT AND CAS NUMBER	2a. TESTING REQUIRED	2b. BELIEVED PRESENT	2c. BELIEVED ABSENT	3. EFFLUENT a. MAXIMUM ONLY 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 AVERAGE VALUE (1) CONC.	(2) MASS	b. NO. OF ANALYSES
20B 1,2 Dichlorobenzene (95-50-1)	X		X	<0.01	<2.91	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
21B 1,3 Dichlorobenzene (541-73-1)	X		X	<0.01	<2.91	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
22B 1,4 Dichlorobenzene (106-46-7)	X		X	<0.01	<2.91	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
23B 3,3 Dichlorobenzidine (91-94-1)	X		X	<0.025	<7.28	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
24B Diethyl Phthalate (84-66-2)	X		X	<0.01	<2.91	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
25B Dimethyl Phthalate (131-11-3)	X		X	<0.01	<2.91	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
26B Di-n-Butyl Phthalate (84-74-2)	X		X	<0.01	<2.91	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
27B 2,4 Dinitrotoluene (121-14-2)	X		X	<0.01	<2.91	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
28B 2,6 Dinitrotoluene (606-20-2)	X		X	<0.01	<2.91	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
29B Di-n-Octyl Phthalate (117-84-0)	X		X	<0.01	<2.91	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
30B 1,2 Diphenylhydrazine (122-66-7)	X		X	<0.01	<2.91	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
31B Fluoranthene (206-44-0)	X		X	<0.01	<2.91	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
32B Fluorene (86-73-7)	X		X	<0.01	<2.91	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
33B Hexachlorobenzene (118-74-1)	X		X	<0.01	<2.91	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
34B Hexachlorobutadiene (87-68-3)	X		X	<0.01	<2.91	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
35B Hexachlorocyclopentadiene (77-47-4)	X		X	<0.01	<2.91	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
36B Hexachloroethane (67-72-1)	X		X	<0.01	<2.91	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
37B Indeno (1,2,3-cd) Pyrene (193-39-5)	X		X	<0.01	<2.91	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
38B Isophorone (78-59-1)	X		X	<0.01	<2.91	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
39B Naphthalene (91-20-3)	X		X	<0.01	<2.91	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
40B Nitrobenzene (99-95-3)	X		X	<0.01	<2.91	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
41B N-Nitrosodimethylamine (62-75-9)	X		X	<0.025	<7.28	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
42B N-Nitrosodi-n-Propylamine (621-64-7)	X		X	<0.01	<2.91	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
43B N-Nitrosodiphenylamine (86-30-6)	X		X	<0.01	<2.91	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
44B Phenanthrene (85-01-8)	X		X	<0.01	<2.91	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
45B Pyrene (129-00-0)	X		X	<0.01	<2.91	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
46B 1,2,4-Trichlorobenzene (120-82-1)	X		X	<0.01	<2.91	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
Part C - Pesticides															
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 (319-85-7)			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 (115-29-7)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
12P beta Endosulfan (115-29-7)			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

EPA I.D. NUMBER LAD034483651

OUTFALL NUMBER C03

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 AVERAGE VALUE (1) CONC.	a. LONG TERM AVERAGE VALUE (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															
Hexavalent Chromium	X		X	<0.010	<2.91	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
Total Kjeldahl Nitrogen	X	X		0.5	145.61	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
Chlorides	X	X		3.5	1,019	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
Total Dissolved Solids	X	X		62	18056.43	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA

NOTES:

A one time grab sampling event was conducted at Outfall C03 on 12/07/04 for all parameters indicated above.

Historical analytical data from the period 01/01/03-12/31/04 for those permit compliance parameters with multiple laboratory analyses indicated above with the exception of flow.

A flow rate of 34.92 mgd was used to convert the 12/07/04 sampling data from concentration to mass where applicable. Maximum 30 day value and long term average mass quantifications conservatively represent the highest concentration value of the respective period multiplied using the largest average flow of the similar period.

All analytical results reported with a "less than" sign (<) were either (1) not detected in the effluent sample at or above the analytical method detection limit (MDL) achieved by the applicable laboratory analytical method, or (2) non detected quantitab

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

OUTFALL 004 (C04)

Effluent data from the April 1, 2005
LPDES permit application

EPA I.D. NUMBER LAU034483651

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

OUTFALL NUMBER C04

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 AVERAGE VALUE (1) CONC.	(2) MASS	b. NO. OF ANALYSES
a. Biochemical Oxygen Demand (BOD)	<2.0	<0.79	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
b. Chemical Oxygen Demand (COD)	29	11.52	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
c. Total Organic Carbon (TOC)	9.3	3.69	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
d. Total Suspended Solids (TSS)	16.00	6.36	16.00	23.31	6.41	0.81	104	mg/L	lbs/day	NA	NA	NA
e. Ammonia (as N)	<0.03	<0.012	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
f. Flow	VALUE	0.1747	VALUE	0.1747	VALUE	0.0151	611	mgd	NA	NA	NA	NA
g. Temperature (summer)	VALUE	68.54	VALUE	NA	VALUE	NA	1	°F	NA	NA	NA	NA
h. Temperature (winter)	VALUE	NA	VALUE	NA	VALUE	NA	NA	NA	NA	NA	NA	NA
i. pH	MINIMUM 6.2	MAXIMUM 8.5	[redacted]				104	S.U.	NA	NA	NA	NA

Part B

1. 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 AVERAGE VALUE (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		X	0	0	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		X	NA	NA	NA	NA	NA	NA	NA	NA	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)	X		0.7	0.08	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
g. Nitrogen, Total Organic (as N)	X		0.93	0.37	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
h. Oil & Grease	X		5.32	2.11	5.32	2.11	3.18	1.26	103	mg/L	lbs/day	NA	NA	NA
i. Phosphorus (as P), Total (7723-14-0)	X		0.14	0.06	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
k. Radioactivity (beta), Total		X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
l. Radioactivity (Radium), Total		X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
m. Radioactivity (Radium 226), Total		X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
n. Sulfate (as SO_4)(14808-79-8)	X		6.6	2.62	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
o. Sulfide (as S)		X	<0.3	<0.1192	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
p. Sulfite (as SO_3)(14265-45-3)		X	<2.0	<0.7945	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
q. Surfactants		X	<0.2	<0.0794	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
r. Aluminum, Total (7429-90-5)	X		0.195	0.08	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
s. Barium, Total (7440-33-3)	X		0.056	0.02	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
t. Boron, Total (7440-42-8)	X		0.0505	0.02	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
u. Cobalt, Total (7440-48-4)	X		0.0003	0.00	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
v. Iron, Total (7439-89-6)	X		0.449	0.18	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
w. Magnesium, Total (7439-95-4)	X		0.0366	0.01	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
x. Molybdenum, Total (7439-98-7)	X		0.0333	0.01	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
y. Manganese, Total (7439-96-5)	X		1.91	0.76	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
z. Tin, Total (7440-31-5)		X	<0.00002	<0.000007	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
aa. Titanium, Total (7440-32-6)	X		0.00909	0.0036	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA

EPA I.D. NUMBER LAD034483651 — OUTFALL NUMBER C04

1. POLLUTANT AND CAS NUMBER	2a. TESTING REQUIRED	2b. REQUIRED PRESENT	2c. REQUIRED ABSENT	3. EFFLUENT a. MAXIMUM DAILY VALUE (1) CONC.	a. (2) MASS	b. MAXIMUM 30 DAY VALUE (1) CONC.	b. (2) MASS	c. LONG TERM AVERAGE (1) CONC.	c. (2) MASS	d. NO OF ANALYSES	4. UNITS a. CONC.	b. MASS	5. INTAKE (OPTIONAL) a. LONG TERM AVERAGE VALUE (1) CONC.	a. (2) MASS	b. NO. OF ANALYSES
Part C-Metals, Cyanide, and Total Phenols															
1M Antimony, Total (7440-36-0)	X		X	0.0008	0.0003	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
2M Arsenic, Total (7440-38-2)	X		X	0.0007	0.0003	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
3M Beryllium, Total (7440-41-7)	X		X	<0.000015	<0.000006	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
4M Cadmium, Total (7440-43-9)	X		X	0.0002	0.0001	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
5M Chromium, Total (7440-47-3)	X		X	0.00305	0.0012	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
6M Copper, Total (7440-50-8)	X	X		0.0142	0.0056	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
7M Lead, Total (7439-92-1)	X		X	0.00208	0.0008	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
8M Mercury, Total (7439-97-6)	X		X	<0.00013	<0.00005	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
9M Nickel, Total (7440-02-0)	X	X		0.0034	0.0014	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
10M Selenium, Total (7782-49-2)	X		X	<0.0003	<0.0012	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
11M Silver, Total (7440-22-4)	X		X	<0.000014	<0.000005	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
12M Thallium, Total (7440-28-0)	X		X	<0.000008	<0.000003	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
13M Zinc, Total (7440-66-6)	X	X		0.193	0.0767	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
14M Cyanide, Total (57-12-5)	X		X	<0.003	0.0012	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
15A Phenol, Total	X		X	<0.005	<0.0020	NA	NA	NA	NA	1	mg/L	lbs/day	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		X	<0.05	<0.020	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
2V Acrylonitrile (107-13-1)	X		X	<0.01	<0.0040	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
3V Benzene (71-43-2)	X		X	<0.005	<0.0020	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
4V Bis (Chloromethyl) Ether (542-88-1)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
5V Bromoform (75-25-2)	X		X	<0.005	<0.0020	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
6V Carbon Tetrachloride (56-23-5)	X		X	<0.005	<0.0020	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
7V Chlorobenzene (108-90-7)	X		X	<0.005	<0.0020	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
8V Chlorodibromomethane (124-48-1)	X		X	<0.005	<0.0020	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
9V Chloroethane (75-00-3)	X		X	<0.005	<0.0020	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
10V 2-Chloroethylvinyl Ether (110-75-8)	X		X	<0.010	<0.0040	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
11V Chloroform (67-66-3)	X		X	<0.005	<0.0020	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
12V Dichlorobromomethane (75-27-4)	X		X	<0.005	<0.0020	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
13V Dichlorodifluoromethane (75-71-8)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
14V 1,1-Dichloroethane (75-34-3)	X		X	<0.005	<0.0020	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
15V 1,2-Dichloroethane (107-06-2)	X		X	<0.005	<0.0020	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
16M 1,1-Dichloroethylene (75-35-4)	X		X	<0.005	<0.0020	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
17V 1,2-Dichloropropane (78-87-5)	X		X	<0.005	<0.0020	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
18V 1,3-Dichloropropylene (542-75-6)	X		X	<0.005	<0.0020	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
19V Ethylbenzene (100-41-4)	X		X	<0.005	<0.0020	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
20V Methyl Bromide (74-83-9)	X		X	<0.005	<0.0020	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
21V Methyl Chloride (74-87-3)	X		X	<0.005	<0.0020	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
22V Methylene Chloride (75-09-2)	X		X	<0.005	<0.0020	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA

EPA ID NUMBER CA0024483651

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	OUTFALL NUMBER C04 5. INTAKE (OPTIONAL) a. LONG TERM AVERAGE VALUE (1) CONC.	a. LONG TERM AVERAGE VALUE (2) MASS	b. NO. OF ANALYSES
23V 1,1,2,2 Tetrachloroethane (79 34 5)	X		X	<0.005	<0.0020	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
24V Tetrachloroethylene (127 18 4)	X		X	<0.005	<0.0020	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
25V Toluene (108 88 3)	X		X	<0.005	<0.0020	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
26V 1,2 Trans Dichloroethylene (156 60 5)	X		X	<0.005	<0.0020	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
27V 1,1,1 Trichloroethane (71-55-6)	X		X	<0.005	<0.0020	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
28V 1,1,2 Trichloroethane (79 00 5)	X		X	<0.005	<0.0020	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
29V Trichloroethylene (79 01-6)	X		X	<0.005	<0.0020	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
30V Trichlorofluoromethane (75 69 4)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
31V Vinyl Chloride (75 01 4)	X		X	<0.005	<0.0020	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
Part C - Acid Compounds															
1A 2 Chlorophenol (95 57 8)	X		X	<0.01	<0.0040	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
2A 2,4 Dichlorophenol (120 83 2)	X		X	<0.01	<0.0040	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
3A 2,4 Dimethylphenol (105 67 9)	X		X	<0.01	<0.0040	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
4A 4,6 Dinitro o Cresol (534 52 1)	X		X	<0.025	<0.010	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
5A 2,4 Dinitrophenol (51-28 5)	X		X	<0.025	<0.010	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
6A 2 Nitrophenol (88 75 5)	X		X	<0.01	<0.0040	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
7A 4 Nitrophenol (100 02 7)	X		X	<0.025	<0.010	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
8A p Chloro m Cresol (59 50 7)	X		X	<0.01	<0.0040	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
9A Pentachlorophenol (87 86 5)	X		X	<0.025	<0.010	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
10A Phenol (108 95 2)	X		X	<0.01	<0.0040	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
11A 2,4,6 Trichlorophenol (88 06 2)	X		X	<0.01	<0.0040	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
Part C - Base/Neutral Compounds															
1B Acenaphthene (83 32 9)	X		X	<0.01	<0.0040	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
2B Acenaphthylene (208-96-8)	X		X	<0.01	<0.0040	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
3B Anthracene (120 12-7)	X		X	<0.01	<0.0040	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
4B Benzidine (92 87-5)	X		X	<0.05	<0.0040	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
5B Benzo (a) Anthracene (56 55-3)	X		X	<0.01	<0.0040	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
6B Benzo (a) Pyrene (50 32-8)	X		X	<0.01	<0.0040	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
7B 3,4 Benzofluoranthene (205 99 2)	X		X	<0.01	<0.0040	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
8B Benzo (g,h,i) Perylene (191-24-2)	X		X	<0.01	<0.0040	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
9B Benzo (k) Fluoranthene (207 08 9)	X		X	<0.01	<0.0040	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
10B Bis(2 Chloroethoxy) Methane(111 91-1)	X		X	<0.01	<0.0040	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
11B Bis(2-Chloroethyl) Ether (111-44-4)	X		X	<0.01	<0.0040	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
12B Bis(2 Chloroisopropyl) Ether (102 60 1)	X		X	<0.01	<0.0040	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
13B Bis(2 Ethylhexyl) Phthalate (117 81 7)	X		X	<0.01	<0.0040	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
14B 4 Bromophenyl Phenyl Ether (101 55 3)	X		X	<0.01	<0.0040	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
15B Butyl Benzyl Phthalate (85 68 7)	X		X	<0.01	<0.0040	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
16B 2 Chloronaphthalene (91 58 7)	X		X	<0.01	<0.0040	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
17B 4 Chlorophenyl Phenyl Ether (7005 72 3)	X		X	<0.01	<0.0040	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
18B Chrysene (218 01 9)	X		X	<0.01	<0.0040	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
19B Dibenzo (a,h) Anthracene (53 70 3)	X		X	<0.01	<0.0040	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA

EPA I.D. NUMBER LAD034483651

OUTFALL NUMBER C04

1. POLLUTANT AND CAS NUMBER	2a. TESTING REQUIRED	2b. BELIEVED PRESENT	2c. BELIEVED ABSENT	3. EFFLUENT a. MAXIMUM ONLY VALUE (1) CONC.	a. (2) MASS	b. MAXIMUM 30 DAY VALUE (1) CONC.	b. (2) MASS	c. LONG TERM AVERAGE (1) CONC.	c. (2) MASS	d. NO OF ANALYSES	4. UNITS a. CONC.	b. MASS	5. INTAKE (OPTIONAL) a. LONG TERM AVERAGE VALUE (1) CONC.	a. (2) MASS	b. NO. OF ANALYSES
20B 1,2 Dichlorobenzene (95-50-1)	X		X	<0.01	<0.0040	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
21B 1,3 Dichlorobenzene (541-73-1)	X		X	<0.01	<0.0040	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
22B 1,4 Dichlorobenzene (106-46-7)	X		X	<0.01	<0.0040	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
23B 3,3 Dichlorobenzidine (91-94-1)	X		X	<0.025	<0.010	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
24B Diethyl Phthalate (84-66-2)	X		X	<0.01	<0.0040	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
25B Dimethyl Phthalate (131-11-3)	X		X	<0.01	<0.0040	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
26B Di-n-Butyl Phthalate (84-74-2)	X		X	<0.01	<0.0040	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
27B 2,4 Dinitrotoluene (121-14-2)	X		X	<0.01	<0.0040	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
28B 2,6 Dinitrotoluene (606-20-2)	X		X	<0.01	<0.0040	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
29B Di-n-Octyl Phthalate (117-84-0)	X		X	<0.01	<0.0040	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
30B 1,2 Diphenylhydrazine (122-66-7)	X		X	<0.01	<0.0040	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
31B Fluoranthene (206-44-0)	X		X	<0.01	<0.0040	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
32B Fluorene (86-73-7)	X		X	<0.01	<0.0040	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
33B Hexachlorobenzene (118-74-1)	X		X	<0.01	<0.0040	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
34B Hexachlorobutadiene (87-68-3)	X		X	<0.01	<0.0040	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
35B Hexachlorocyclopentadiene (77-47-4)	X		X	<0.01	<0.0040	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
36B Hexachloroethane (67-72-1)	X		X	<0.01	<0.0040	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
37B Indeno (1,2,3-cd) Pyrene (193-39-5)	X		X	<0.01	<0.0040	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
38B Isophorone (78-59-1)	X		X	<0.01	<0.0040	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
39B Naphthalene (91-20-3)	X		X	<0.01	<0.0040	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
40B Nitrobenzene (98-95-3)	X		X	<0.01	<0.0040	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
41B N-Nitrosodimethylamine (62-75-9)	X		X	<0.025	<0.010	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
42B N-Nitrosodi-n-Propylamine (621-64-7)	X		X	<0.01	<0.0040	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
43B N-Nitrosodiphenylamine (86-30-6)	X		X	<0.01	<0.0040	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
44B Phenanthrene (85-01-8)	X		X	<0.01	<0.0040	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
45B Pyrene (129-00-0)	X		X	<0.01	<0.0040	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
46B 1,2,4 Trichlorobenzene (120-82-1)	X		X	<0.01	<0.0040	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
Part C - Pesticides															
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 (319-85-7)			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 (115-29-7)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
12P beta-Endosulfan (115-29-7)			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

EPA I.D. NUMBER LAD034483651

OUTFALL NUMBER C04

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 AVERAGE VALUE (1) CONC.	a. LONG TERM AVERAGE VALUE (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															
Hexavalent Chromium	X		X	<0.01	<0.0040	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
Total Ammonia Nitrogen	X	X		0.9	<0.36	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
Chlorides	X	X		2.0	0.790	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
Total Dissolved Solids	X	X		100	39.72	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA

NOTES:

A grab base grab sampling event was conducted at Outfall C04 on 12/07/04 for all parameters indicated above.

Historical analytical data from the period 01/01/03-12/31/04 for those permit compliance parameters with multiple laboratory analyses indicated above with the exception of flow.

A flow rate of 0.0470 mgd was used to convert the 12/07/04 sampling data from concentration to mass where applicable. Maximum 30 day value and long term average mass quantifications conservatively represent the highest concentration value of the respective period quantified using the largest average flow of the similar period.

All analytical results reported with a "less than" sign (<) were either (1) not detected in the effluent sample at or above the analytical method detection limit (MDL) achieved by the applicable laboratory analytical method, or (2) non detected quantifiable at the practical quantification limit (PQL) achieved by the applicable laboratory analytical method.

NA = Testing not required, not applicable

mg/L = milligrams per liter

lbs/day = pounds per day

mgd = million gallons per day

°F = degrees Fahrenheit

S.U. = standard units

OUTFALL 005 (C05)

Effluent data from the April 1, 2005
LPDES permit application

EPA I.D. NUMBER LAD034483651

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

OUTFALL NUMBER C05

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 AVERAGE VALUE (1) CONC.	(2) MASS	b. NO. OF ANALYSES
a. Biochemical Oxygen Demand (BOD)	<2.0	<0.108	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
b. Chemical Oxygen Demand (COD)	90	4.86	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
c. Total Organic Carbon (TOC)	35.3	1.91	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
d. Total Suspended Solids (TSS)	31.0	1.68	31.0	1.68	9.43	0.51	100	mg/L	lbs/day	NA	NA	NA
e. Ammonia (as N)	0.09	0.0049	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
f. Flow	VALUE	0.0236	VALUE	0.0236	VALUE	0.0064	400	mgd	NA	NA	NA	NA
g. Temperature (summer)	VALUE	71.79	VALUE	NA	VALUE	NA	1	°F	NA	NA	NA	NA
h. Temperature (winter)	VALUE	NA	VALUE	NA	VALUE	NA	NA	NA	NA	NA	NA	NA
i. pH	MINIMUM 6.3	MAXIMUM 8.6	[redacted]				100	S.U.	NA	NA	NA	NA

Part B

2. 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 AVERAGE VALUE (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		X	0	0	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
c. Color (True, Apparent)		X	50	2.70	NA	NA	NA	NA	1	APHA units	NA	NA	NA	NA
d. Fecal Coliform		X	NA	NA	NA	NA	NA	NA	NA	NA	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)		X	0.8	0.04	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
g. Nitrogen, Total Organic (as N)	X		1.39	0.08	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
h. Oil & Grease	X		5.0	0.27	5.0	0.27	3.42	0.185	99	mg/L	lbs/day	NA	NA	NA
i. Phosphorus (as P), Total (7723-14-0)	X		0.04	0.00	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		3790	204.82	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
l. Sulfide (as S)		X	<0.3	<0.016	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
m. Sulfite (as SO_3)(14265-45-3)		X	<2.0	<0.108	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
n. Surfactants		X	<0.2	<0.0108	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
o. Aluminum, Total (7429-90-5)	X		0.461	0.02	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
p. Barium, Total (7440-39-3)	X		0.124	0.01	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
q. Boron, Total (7440-42-8)	X		0.149	0.01	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
r. Cobalt, Total (7440-48-4)	X		0.00088	0.00	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
s. Iron, Total (7439-89-6)	X		2.83	0.15	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
t. Magnesium, Total (7439-95-4)	X		16.1	0.87	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
u. Molybdenum, Total (7439-98-7)	X		0.426	0.02	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
v. Manganese, Total (7439-96-5)	X		0.115	0.01	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
w. Tin, Total (7440-31-5)	X		0.0006	0.00	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
x. Titanium, Total (7440-32-6)		X	<0.3	<0.016	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA

1. POLLUTANT AND CAS NUMBER	2a. TESTING REQUIRED	2b. BELIEVED PRESENT	2c. BELIEVED ABSENT	EPA ID. NUMBER LAD034483651 — 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	OUTFALL NUMBER 005 — 5. INTAKE (OPTIONAL) a. LONG TERM AVERAGE VALUE (1) CONC.	a. LONG TERM AVERAGE VALUE (2) MASS	b. NO. OF ANALYSES
Part C Metals, Cyanide, and Total Phenols															
1M Antimony, Total (7440-36-0)	X	X		0.00052	0.00003	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
2M Arsenic, Total (7440-38-2)	X	X		0.0039	0.0002	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
3M Beryllium, Total (7440-41-7)	X		X	<0.000038	<0.000002	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
4M Cadmium, Total (7440-43-9)	X	X		0.00036	0.0000	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
5M Chromium, Total (7440-47-3)	X	X		0.0356	0.0019	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
6M Copper, Total (7440-50-8)	X	X		0.0205	0.0011	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
7M Lead, Total (7439-92-1)	X	X		0.000732	0.0000	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
8M Mercury, Total (7439-97-6)	X		X	<0.00006	<0.000003	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
9M Nickel, Total (7440-02-0)	X	X		0.0208	0.00112	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
10M Selenium, Total (7782-49-2)	X	X		0.0027	0.00015	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
11M Silver, Total (7440-22-4)	X	X		0.000045	0.000002	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
12M Thallium, Total (7440-28-0)	X	X		0.000152	0.00001	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
13M Zinc, Total (7440-66-6)	X	X		0.037	0.00200	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
14M Cyanide, Total (57-12-5)	X		X	<0.003	<0.00016	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
15M Phenol, Total	X		X	<0.005	<0.00027	NA	NA	NA	NA	1	mg/L	lbs/day	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		X	<0.05	<0.0027	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
2V Acrylonitrile (107-13-1)	X		X	<0.01	<0.00054	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
3V Benzene (71-43-2)	X		X	<0.005	<0.0027	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
4V Bis (Chloromethyl) Ether (542-88-1)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
5V Bromoform (75-25-2)	X		X	<0.005	<0.00027	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
6V Carbon Tetrachloride (56-23-5)	X		X	<0.005	<0.00027	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
7V Chlorobenzene (108-90-7)	X		X	<0.005	<0.00027	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
8V Chlorodibromomethane (124-48-1)	X		X	<0.005	<0.00027	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
9V Chloroethane (75-00-3)	X		X	<0.005	<0.00027	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
10V 2-Chloroethylvinyl Ether (110-75-8)	X		X	<0.010	<0.00054	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
11V Chloroform (67-66-3)	X		X	<0.005	<0.00027	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
12V Dichlorobromomethane (75-27-4)	X		X	<0.005	<0.00027	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
13V Dichlorodifluoromethane (75-71-8)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
14V 1,1-Dichloroethane (75-34-3)	X		X	<0.005	<0.00027	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
15V 1,2-Dichloroethane (107-06-2)	X		X	<0.005	<0.00027	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
16V 1,1-Dichloroethylene (75-35-4)	X		X	<0.005	<0.00027	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
17V 1,2-Dichloropropane (78-87-5)	X		X	<0.005	<0.00027	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
18V 1,3-Dichloropropylene (542-75-6)	X		X	<0.005	<0.00027	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
19V Ethylbenzene (100-41-4)	X		X	<0.005	<0.00027	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
20V Methyl Bromide (74-83-9)	X		X	<0.005	<0.00027	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
21V Methyl Chloride (74-87-3)	X		X	<0.005	<0.00027	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
22V Methylene Chloride (75-09-2)	X		X	<0.005	<0.00027	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA

EPA I.D. NUMBER LAD034483651

OUTFALL NUMBER C05

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 AVERAGE VALUE (1) CONC.	a. LONG TERM AVERAGE VALUE (2) MASS	b. NO. OF ANALYSES
23V 1,1,2,2 Tetrachloroethane (79-34-5)	X		X	<0.005	<0.00027	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
24V Tetrachloroethylene (127-18-4)	X		X	<0.005	<0.00027	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
25V Toluene (108-88-3)	X		X	<0.005	<0.00027	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
26V 1,2 Trans Dichloroethylene (156-60-5)	X		X	<0.005	<0.00027	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
27V 1,1,1 Trichloroethane (71-55-6)	X		X	<0.005	<0.00027	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
28V 1,1,2 Trichloroethane (79-00-5)	X		X	<0.005	<0.00027	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
29V Trichloroethylene (79-01-6)	X		X	<0.005	<0.00027	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
30V Trichlorofluoromethane (75-69-4)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
31V Vinyl Chloride (75-01-4)	X		X	<0.005	<0.00027	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
Part C - Acid Compounds															
1A 2 Chlorophenol (95-57-8)	X		X	<0.01	<0.00054	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
2A 2,4 Dichlorophenol (120-83-2)	X		X	<0.01	<0.00054	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
3A 2,4 Dimethylphenol (105-67-9)	X		X	<0.01	<0.00054	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
4A 4,6 Dinitro o-Cresol (534-52-1)	X		X	<0.025	<0.00135	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
5A 2,4 Dinitrophenol (51-28-5)	X		X	<0.025	<0.00135	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
6A 2 Nitrophenol (88-75-5)	X		X	<0.01	<0.00054	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
7A 4 Nitrophenol (100-02-7)	X		X	<0.025	<0.00135	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
8A p-Chloro m-Cresol (59-50-7)	X		X	<0.01	<0.00054	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
9A Pentachlorophenol (87-86-5)	X		X	<0.025	<0.00135	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
10A Phenol (108-95-2)	X		X	<0.01	<0.00054	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
11A 2,4,6 Trichlorophenol (88-06-2)	X		X	<0.01	<0.00054	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
Part C - Base/Neutral Compounds															
1B Acenaphthene (83-32-9)	X		X	<0.01	<0.00054	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
2B Acenaphthylene (208-96-8)	X		X	<0.01	<0.00054	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
3B Anthracene (120-12-7)	X		X	<0.01	<0.00054	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
4B Benzidine (92-87-5)	X		X	<0.05	<0.0027	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
5B Benzo (a) Anthracene (56-55-3)	X		X	<0.01	<0.00054	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
6B Benzo (a) Pyrene (50-32-8)	X		X	<0.01	<0.00054	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
7B 3,4 Benzofluoranthene (205-99-2)	X		X	<0.01	<0.00054	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
8B Benzo (g,h,i) Perylene (191-24-2)	X		X	<0.01	<0.00054	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
9B Benzo (k) Fluoranthene (207-08-9)	X		X	<0.01	<0.00054	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
10B Bis(2 Chloroethoxy) Methane(111-91-1)	X		X	<0.01	<0.00054	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
11B Bis(2 Chloroethyl) Ether (111-44-4)	X		X	<0.01	<0.00054	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
12B Bis(2 Chloroisopropyl) Ether (102-60-1)	X		X	<0.01	<0.00054	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
13B Bis(2 Ethylhexyl) Phthalate (117-81-7)	X		X	<0.01	<0.00054	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
14B 4 Bromophenyl Phenyl Ether (101-55-3)	X		X	<0.01	<0.00054	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
15B Butyl Benzyl Phthalate (85-68-7)	X		X	<0.01	<0.00054	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
16B 2-Chloronaphthalene (91-58-7)	X		X	<0.01	<0.00054	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
17B 4 Chlorophenyl Phenyl Ether (7005-72-3)	X		X	<0.01	<0.00054	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
18B Chrysene (218-01-9)	X		X	<0.01	<0.00054	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
19B Dibenzo (a,h) Anthracene (53-70-3)	X		X	<0.01	<0.00054	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA

EPA I.D. NUMBER LAD034483651

OUTFALL NUMBER C05

1. POLLUTANT AND CAS NUMBER	2a. TESTING REQUIRED	2b. BELIEVED PRESENT	2c. BELIEVED ABSENT	3. EFFLUENT a. MAXIMUM ONLY 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 AVERAGE VALUE (1) CONC.	(2) MASS	b. NO. OF ANALYSES
20B 1,2 Dichlorobenzene (95-50-1)	X		X	<0.01	<0.00054	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
21B 1,3 Dichlorobenzene (541-73-1)	X		X	<0.01	<0.00054	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
22B 1,4 Dichlorobenzene (106-46-7)	X		X	<0.01	<0.00054	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
23B 3,3 Dichlorobenzidine (91-94-1)	X		X	<0.025	<0.00135	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
24B Diethyl Phthalate (84-66-2)	X		X	<0.01	<0.00054	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
25B Dimethyl Phthalate (131-11-3)	X		X	<0.01	<0.00054	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
26B Di-n-Butyl Phthalate (84-74-2)	X		X	<0.01	<0.00054	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
27B 2,4 Dinitrotoluene (121-14-2)	X		X	<0.01	<0.00054	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
28B 2,6 Dinitrotoluene (606-20-2)	X		X	<0.01	<0.00054	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
29B Di-n-Octyl Phthalate (117-84-0)	X		X	<0.01	<0.00054	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
30B 1,2 Diphenylhydrazine (122-66-7)	X		X	<0.01	<0.00054	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
31B Endosulfan (206-44-0)	X		X	<0.01	<0.00054	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
32B Endrin (72-20-8)	X		X	<0.01	<0.00054	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
33B Ethylbenzene (100-41-4)	X		X	<0.01	<0.00054	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
34B Fluoranthene (206-44-0)	X		X	<0.01	<0.00054	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
35B Fluorene (86-73-7)	X		X	<0.01	<0.00054	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
36B Hexachlorobenzene (118-74-1)	X		X	<0.01	<0.00054	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
37B Hexachlorobutadiene (87-68-3)	X		X	<0.01	<0.00054	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
38B Hexachlorocyclopentadiene (77-47-4)	X		X	<0.01	<0.00054	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
39B Hexachloroethane (67-72-1)	X		X	<0.01	<0.00054	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
40B Indeno (1,2,3-cd) Pyrene (193-39-5)	X		X	<0.01	<0.00054	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
41B Isophorone (78-59-1)	X		X	<0.01	<0.00054	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
42B Naphthalene (91-20-3)	X		X	<0.01	<0.00054	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
43B Nitrobenzene (98-95-3)	X		X	<0.01	<0.00054	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
44B N-Nitrosodimethylamine (62-75-9)	X		X	<0.025	<0.00135	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
45B N-Nitrosodi-n-Propylamine (621-64-7)	X		X	<0.01	<0.00054	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
46B N-Nitrosodiphenylamine (86-30-6)	X		X	<0.01	<0.00054	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
47B Phenanthrene (85-01-8)	X		X	<0.01	<0.00054	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
48B Pyrene (129-00-0)	X		X	<0.01	<0.00054	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
49B 1,2,4 Trichlorobenzene (120-82-1)	X		X	<0.01	<0.00054	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
Part C - Pesticides															
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 (319-85-7)			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 (115-29-7)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
12P beta Endosulfan (115-29-7)			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

1. POLLUTANT AND CAS NUMBER	2a. TESTING REQUIRED	2b. BELIEVED PRESENT	2c. 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 AVERAGE VALUE (1) CONC.	(2) MASS	b. NO. OF ANALYSES
				OUTFALL NUMBER: C05											
				EPA ID. NUMBER: LAD034483651											
14P. Lindane (72-20-8)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
15P. Endosulfan Sulfate (1031-07-8)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
16P. Endrin (72-20-8)			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															
Hexavalent Chromium	X		X	<0.01	<0.00054	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
Total Kjeldahl Nitrogen	X	X		1.3	0.07	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
Chlorides	X	X		73.2	3.96	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
Total Dissolved Solids	X	X		5410	292.37	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA

NOTES:

A one-time grab sampling event was conducted at Outfall C05 on 12/08/04 for all parameters indicated above.

Historical analytical data from the period 01/01/03-12/31/03 for Base permit compliance parameters with multiple laboratory analyses indicated above with the exception of flow.

A flow rate of 0.0006 mgd was used to convert the 12/07/04 sampling data from concentration to mass where applicable. Maximum 30 day value and long term average mass quantifications conservatively represent the highest concentration value of the respective period quantified using the largest average flow of the similar period.

NA = Testing not required, not applicable

mg/L = milligrams per liter

lbs/day = pounds per day

mgd = million gallons per day

°F = degrees Fahrenheit

S.U. = standard units

OUTFALL 007 (C07)

Effluent data from the April 1, 2005
LPDES permit application

EPA ID NUMBER LAD034483651

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

OUTFALL NUMBER C07

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 AVERAGE VALUE (1) CONC.	(2) MASS	b. NO. OF ANALYSES
a. Biochemical Oxygen Demand (BOD)	<2	<0.05838	NA	NA	<2	NA	8	mg/L	lbs/day	NA	NA	NA
b. Chemical Oxygen Demand (COD)	29	0.8465	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
c. Total Organic Carbon (TOC)	6.6	0.1927	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
d. Total Suspended Solids (TSS)	9.31	0.2716	NA	NA	21	NA	8	mg/L	lbs/day	NA	NA	NA
e. Ammonia (as N)	0.06	0.0023	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
f. Flow	VALUE	0.0035	VALUE	0.0035	VALUE	0.0035	8	mgd	NA	NA	NA	NA
g. Temperature (winter)	VALUE	69.8	VALUE	NA	VALUE	NA	1	°F	NA	NA	NA	NA
h. Temperature (summer)	VALUE	NA	VALUE	NA	VALUE	NA	NA	NA	NA	NA	NA	NA
i. pH	MINIMUM 6.9	MAXIMUM 8.5	[redacted]				8	S.U.	NA	NA	NA	NA

Part B

1. 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 AVERAGE VALUE (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	X		0.19	0.0055	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
c. Color (True, Apparent)		X	NA	NA	NA	NA	NA	NA	1	APHA units	NA	NA	NA	NA
d. Fecal Coliform	X		1.13	NA	NA	NA	5	NA	8	NA	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)	X		15.2	0.4437	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
g. Nitrogen, Total Organic (as N)	X		3.3	0.0963	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
h. Oil & Grease		X	<5.0	<0.146	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
i. Phosphorus (as P), Total (7723-14-0)	X		2.34	0.0683	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
k. Radioactivity, Beta, Total		X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
l. Radioactivity, Radium, Total		X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
m. Radioactivity, Radium 226, Total		X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
n. Sulfate (as SO_4)(14808-79-8)	X		23.4	0.6830	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
o. Sulfide (as S)		X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
p. Sulfite (as SO_3)(14265-45-3)		X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
q. Surfactants		X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
r. Aluminum, Total (7429-90-5)		X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
s. Barium, Total (7440-33-3)		X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
t. Boron, Total (7440-42-8)		X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
u. Cobalt, Total (7440-48-4)		X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
v. Iron, Total (7439-89-6)		X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
w. Magnesium, Total (7439-95-4)		X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
x. Molybdenum, Total (7439-98-7)		X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
y. Manganese, Total (7439-96-5)		X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
z. Tin, Total (7440-31-5)		X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
aa. Titanium, Total (7440-32-6)		X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

EPA I.D. NUMBER LAD034483651

OUTFALL NUMBER C07

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 AVERAGE VALUE (1) CONC.	a. LONG TERM AVERAGE VALUE (2) MASS	b. NO. OF ANALYSES
Part C-Metals, Cyanide, and Total Phenols															
1M Antimony, Total (7440-36-0)	X		X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2M Arsenic, Total (7440-38-2)	X		X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3M Beryllium, Total (7440-41-7)	X		X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4M Cadmium, Total (7440-43-9)	X		X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
5M Chromium, Total (7440-47-3)	X		X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
6M Copper, Total (7440-50-8)	X		X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
7M Lead, Total (7439-92-1)	X		X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
8M Mercury, Total (7439-97-6)	X		X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
9M Nickel, Total (7440-02-0)	X		X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
10M Selenium, Total (7782-49-2)	X		X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
11M Silver, Total (7440-22-4)	X		X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
12M Thallium, Total (7440-28-0)	X		X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
13M Zinc, Total (7440-66-6)	X		X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
14M Cyanide, Total (57-12-5)	X		X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
15A Phenol, Total	X		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		X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2V Acrylonitrile (107-13-1)	X		X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3V Benzene (71-43-2)	X		X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4V Bis (Chloromethyl) Ether (542-88-1)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
5V Bromoform (75-25-2)	X		X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
6V Carbon Tetrachloride (56-23-5)	X		X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
7V Chlorobenzene (108-90-7)	X		X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
8V Chlorodibromomethane (124-48-1)	X		X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
9V Chloroethane (75-00-3)	X		X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
10V 2-Chloroethylvinyl Ether (110-75-8)	X		X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
11V Chloroform (67-66-3)	X		X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
12V Dichlorobromomethane (75-27-4)	X		X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
13V Dichlorodifluoromethane (75-71-8)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
14V 1,1-Dichloroethane (75-34-3)	X		X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
15V 1,2-Dichloroethane (107-06-2)	X		X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
16V 1,1-Dichloroethylene (75-35-4)	X		X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
17V 1,2-Dichloropropane (78-87-5)	X		X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
18V 1,3-Dichloropropylene (542-75-6)	X		X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
19V Ethylbenzene (100-41-4)	X		X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
20V Methyl Bromide (74-83-9)	X		X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
21V Methyl Chloride (74-87-3)	X		X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
22V Methylene Chloride (75-09-2)	X		X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

EPA I.D. NUMBER LAD034183651

OUTFALL NUMBER C07

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 AVERAGE VALUE (1) CONC.	a. LONG TERM AVERAGE VALUE (2) MASS	b. NO. OF ANALYSES
23V 1,1,2,2-Tetrachloroethane (79-34-5)	X		X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
24V Tetrachloroethylene (127-18-4)	X		X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
25V Toluene (108-88-3)	X		X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
26V 1,2-Trans Dichloroethylene (156-60-5)	X		X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
27V 1,1,1-Trichloroethane (71-55-6)	X		X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
28V 1,1,2-Trichloroethane (79-00-5)	X		X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
29V Trichloroethylene (79-01-6)	X		X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
30V Trichlorofluoromethane (75-69-4)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
31V Vinyl Chloride (75-01-4)	X		X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Part C - Acid Compounds															
1A 2-Chlorophenol (95-57-8)	X		X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2A 2,4-Dichlorophenol (120-83-2)	X		X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3A 2,4-Dimethylphenol (105-67-9)	X		X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4A 4,6-Dinitro-o-Cresol (534-52-1)	X		X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
5A 2,4-Dinitrophenol (51-28-5)	X		X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
6A 2-Nitrophenol (88-75-5)	X		X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
7A 4-Nitrophenol (100-02-7)	X		X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
8A p-Chloro-m-Cresol (59-50-7)	X		X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
9A Pentachlorophenol (87-86-5)	X		X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
10A Phenol (108-95-2)	X		X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
11A 2,4,6-Trichlorophenol (88-06-2)	X		X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Part C - Base/Neutral Compounds															
1B Acenaphthene (83-32-9)	X		X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2B Acenaphthylene (208-96-8)	X		X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3B Anthracene (120-12-7)	X		X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4B Benzidine (92-87-5)	X		X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
5B Benzo (a) Anthracene (56-55-3)	X		X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
6B Benzo (a) Pyrene (50-32-8)	X		X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
7B 3,4 Benzofluoranthene (205-99-2)	X		X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
8B Benzo (g,h,i) Perylene (191-24-2)	X		X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
9B Benzo (k) Fluoranthene (207-08-9)	X		X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
10B Bis(2-Chloroethoxy) Methane (111-91-1)	X		X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
11B Bis(2-Chloroethyl) Ether (111-44-4)	X		X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
12B Bis(2-Chloroisopropyl) Ether (102-80-1)	X		X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
13B Bis(2-Ethylhexyl) Phthalate (117-81-7)	X		X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
14B 4-Bromophenyl Phenyl Ether (101-55-3)	X		X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
15B Butyl Benzyl Phthalate (85-68-7)	X		X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
16B 2-Chloronaphthalene (91-58-7)	X		X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
17B 4-Chlorophenyl Phenyl Ether (7005-72-3)	X		X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
18B Chrysene (218-01-9)	X		X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
19B Dibenzo (a,h) Anthracene (53-70-3)	X		X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

1. POLLUTANT AND CAS NUMBER	2a. TESTING REQUIRED	2b. BELIEVED PRESENT	2c. BELIEVED ABSENT	EPA I.D. NUMBER LAD034463651 — 3. EFFLUENT: a. MAXIMUM ONLY VALUE (1) CONC.	a. (2) MASS	b. MAXIMUM 30 DAY VALUE (1) CONC.	b. (2) MASS	c. LONG TERM AVERAGE (1) CONC.	c. (2) MASS	d. NO OF ANALYSES	4. UNITS a. CONC.	4. UNITS b. MASS	OUTFALL NUMBER C07 — 5. INTAKE (OPTIONAL): a. LONG TERM AVERAGE VALUE (1) CONC.	a. (2) MASS	b. NO. OF ANALYSES
20B 1,2 Dichlorobenzene (95-50-1)	X		X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
21B 1,3 Dichlorobenzene (541-73-1)	X		X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
22B 1,4 Dichlorobenzene (106-46-7)	X		X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
23B 3,3 Dichlorobenzidine (91-94-1)	X		X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
24B Diethyl Phthalate (84-66-2)	X		X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
25B Dimethyl Phthalate (131-11-3)	X		X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
26B Di n Butyl Phthalate (84-74-2)	X		X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
27B 2,4 Dinitrotoluene (121-14-2)	X		X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
28B 2,6 Dinitrotoluene (606-20-2)	X		X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
29B Di n Octyl Phthalate (117-84-0)	X		X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
30B 1,2 Diphenylhydrazine (122-66-7)	X		X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
31B Ethanylbenzene (206-44-0)	X		X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
32B Fluorene (86-73-7)	X		X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
33B Hexachlorobenzene (118-74-1)	X		X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
34B Hexachlorobutadiene (87-68-3)	X		X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
35B Hexachlorocyclopentadiene (77-47-4)	X		X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
36B Hexachloroethane (67-72-1)	X		X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
37B Indeno (1,2,3-cd) Pyrene (193-39-5)	X		X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
38B Isophorone (78-59-1)	X		X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
39B Naphthalene (91-20-3)	X		X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
40B Nitrobenzene (98-95-3)	X		X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
41B N-Nitrosodimethylamine (62-75-9)	X		X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
42B N-Nitrosodi-n-Propylamine (621-64-7)	X		X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
43B N-Nitrosodiphenylamine (86-30-6)	X		X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
44B Phenanthrene (85-01-8)	X		X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
45B Pyrene (129-00-0)	X		X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
46B 1,2,4 Trichlorobenzene (120-82-1)	X		X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Part C - Pesticides															
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 (319-85-7)			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 (115-29-7)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
12P beta Endosulfan (115-29-7)			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

1. POLLUTANT AND CAS NUMBER	2a. TESTING REQUIRED	2b. BELIEVED PRESENT	2c. BELIEVED ABSENT	EPA ID. NUMBER CA0034483051 — 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	OUTFALL NUMBER C07 — 5. INTAKE (OPTIONAL) — a. LONG TERM AVERAGE VALUE (1) CONC.	a. LONG TERM AVERAGE VALUE (2) MASS	b. NO. OF ANALYSES
18P. Endrin (72-20-8)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
19P. Endrin Aldehyde (7421-93-4)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
20P. Heptachlor (76-44-8)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
21P. Heptachlor Epoxide (1024-57-3)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
22P. PCB 1242 (53469-21-9)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
23P. PCB 1254 (11097-69-1)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
24P. PCB 1221 (11104-28-2)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
25P. PCB 1232 (11141-16-5)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
26P. PCB 1248 (12672-29-6)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
27P. PCB 1260 (11096-82-5)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
28P. PCB 1016 (12674-11-2)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
29P. Toxaphene (8001-35-2)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Other Parameters															
Hexavalent Chromium	X		X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Kjeldahl Nitrogen	X	X		2.5	0.0730	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
Cyanides	X	X		20.6	0.6013	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
Total Dissolved Solids	X	X		224	6.5386	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA

NOTES:

A one time grab sampling event was conducted at Outfall C07 on 12/07/04 for all parameters indicated above

Historical analytical data from the period 01/01/03 - 12/31/04 for those permit compliance parameters with multiple laboratory analyses indicated above with the exception of flow

A flow rate of 0.0035 mgd was used to convert the 12/07/04 sampling data from concentration to mass where applicable. Maximum 30 day value and long term average mass quantifications conservatively represent the highest concentration value of the respective period quantified using the largest average flow of the sample period

All analytical results reported with a "less than" sign (<) were either (1) not detected in the effluent sample at or above the analytical method detection limit (MDL) achieved by the applicable laboratory analytical method, or (2) non detected quantifiable at the practical quantitation limit (PQL) achieved by the applicable laboratory analytical method

NA = Testing not required, not applicable

mg/L = milligrams per liter

lbs/day = pounds per day

mgd = million gallons per day

°F = degrees Fahrenheit

S.U. = standard units

OUTFALL 102 (C06)

Effluent data from the April 1, 2005
LPDES permit application

EPA I.D. NUMBER LAD03448365

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

OUTFALL NUMBER C06

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 AVERAGE VALUE (1) CONC.	(2) MASS	b. NO. OF ANALYSES
a. Biochemical Oxygen Demand (BOD)	<2.0	<0.0005	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
b. Chemical Oxygen Demand (COD)	<3.0	<0.0008	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
c. Total Organic Carbon (TOC)	0.6	0.0002	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
d. Total Suspended Solids (TSS)	43	0.011	43	0.011	21.57	0.0054	92	mg/L	lbs/day	NA	NA	NA
e. Ammonia (as N)	<0.03	<0.000008	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
f. Flow	VALUE	0.0053	VALUE	0.0053	VALUE	0.0015	541	mgd	NA	NA	NA	NA
g. Temperature (summer)	VALUE	76.82	VALUE	NA	VALUE	NA	1	°F	NA	NA	NA	NA
h. Temperature (winter)	VALUE	NA	VALUE	NA	VALUE	NA	NA	NA	NA	NA	NA	NA
i. pH	MINIMUM 7.49	MAXIMUM 7.49	[redacted]				1	S.U.	NA	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 AVERAGE VALUE (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		X	NA	NA	NA	NA	NA	NA	NA	mg/L	lbs/day	NA	NA	NA
c. Color (True/Apparent)		X	NA	NA	NA	NA	NA	NA	NA	APHA units	NA	NA	NA	NA
d. Fecal Coliform		X	NA	NA	NA	NA	NA	NA	NA	NA	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)		X	<0.03	<0.000008	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
g. Nitrogen, Total Organic (as N)	X		0.33	0.0001	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
h. Oil & Grease	X		5.0	0.0013	5.0	0.0013	3.49	0.0009	99	mg/L	lbs/day	NA	NA	NA
i. Phosphorus (as P), Total (7723-14-0)		X	1.56	0.0004	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
k. Radioactivity Beta, Total		X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
l. Radioactivity Radium, Total		X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
m. Radioactivity Radium 226, Total		X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
n. Sulfate (as SO_4) (14808-79-8)		X	NA	NA	NA	NA	NA	NA	NA	mg/L	lbs/day	NA	NA	NA
o. Sulfide (as S)		X	NA	NA	NA	NA	NA	NA	NA	mg/L	lbs/day	NA	NA	NA
p. Sulfite (as SO_3) (14265-45-3)		X	NA	NA	NA	NA	NA	NA	NA	mg/L	lbs/day	NA	NA	NA
q. Surfactants		X	NA	NA	NA	NA	NA	NA	NA	mg/L	lbs/day	NA	NA	NA
r. Aluminum, Total (7429-90-5)		X	NA	NA	NA	NA	NA	NA	NA	mg/L	lbs/day	NA	NA	NA
s. Barium, Total (7440-39-3)			NA	NA	NA	NA	NA	NA	NA	mg/L	lbs/day	NA	NA	NA
t. Boron, Total (7440-42-8)	X		0.00119	0.0000003	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
u. Cobalt, Total (7440-48-4)		X	NA	NA	NA	NA	NA	NA	NA	mg/L	lbs/day	NA	NA	NA
v. Iron, Total (7439-89-6)		X	NA	NA	NA	NA	NA	NA	NA	mg/L	lbs/day	NA	NA	NA
w. Magnesium, Total (7439-95-4)		X	NA	NA	NA	NA	NA	NA	NA	mg/L	lbs/day	NA	NA	NA
x. Molybdenum, Total (7439-98-7)		X	NA	NA	NA	NA	NA	NA	NA	mg/L	lbs/day	NA	NA	NA
y. Manganese, Total (7439-96-5)		X	NA	NA	NA	NA	NA	NA	NA	mg/L	lbs/day	NA	NA	NA
z. Tin, Total (7440-31-5)		X	NA	NA	NA	NA	NA	NA	NA	mg/L	lbs/day	NA	NA	NA
x. Titanium, Total (7440-32-6)		X	NA	NA	NA	NA	NA	NA	NA	mg/L	lbs/day	NA	NA	NA

EPA I.D. NUMBER LAD034483651

OUTFALL NUMBER C06

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 AVERAGE VALUE (1) CONC.	5. INTAKE (OPTIONAL) a. LONG TERM AVERAGE VALUE (2) MASS	b. NO OF ANALYSES
Part C Metals, Cyanide, and Total Phenols															
1M Antimony, Total (7440-36-0)	X	X		0.00012	0.00000003	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
2M Arsenic, Total (7440-38-2)	X	X		0.0007	0.00000018	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
3M Beryllium, Total (7440-41-7)	X		X	NA	NA	NA	NA	NA	NA	NA	mg/L	lbs/day	NA	NA	NA
4M Cadmium, Total (7440-43-9)	X	X		0.00002	0.00000001	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
5M Chromium, Total (7440-47-3)	X	X		0.00196	0.00000049	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
6M Copper, Total (7440-50-8)	X	X		0.00416	0.00000104	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
7M Lead, Total (7439-92-1)	X	X		0.000277	0.00000007	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
8M Mercury, Total (7439-97-6)	X		X	<0.00001	<0.00000001	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
9M Nickel, Total (7440-02-0)	X	X		0.0006	0.00000015	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
10M Selenium, Total (7782-49-2)	X		X	<0.0002	<0.00000005	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
11M Silver, Total (7440-22-4)	X	X		0.000051	0.00000001	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
12M Thallium, Total (7440-28-0)	X		X	<0.000004	<0.00000001	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
13M Zinc, Total (7440-66-6)	X	X		0.0025	0.00000063	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
14M Cyanide, Total (57-12-5)	X		X	<0.003	<0.0000008	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
15M Phenol, Total	X		X	<0.005	<0.0000013	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
Dioxin															
2,3,7,8-Tetrachlorodibenzo-P-Dioxin (1764-01-6)			NA	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)			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)			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

EPA I.D. NUMBER LAD034483651

OUTFALL NUMBER C06

1. POLLUTANT AND CAS NUMBER	2a. TESTING REQUIRED	2b. BELIEVED PRESENT	2c. 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 AVERAGE VALUE (1) CONC.	(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)			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 B - 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) Fluoranthene (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-Chloroisopropyl) 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

				EPA I.D. NUMBER LA0034483651									OUTFALL NUMBER C06		
1. POLLUTANT	2a. TESTING	2b. BELIEVED	2c. BELIEVED	3. EFFLUENT							4. UNITS		5. INTAKE (OPTIONAL)		
				a. MAXIMUM ONLY VALUE		b. MAXIMUM 30 DAY VALUE		c. LONG TERM AVERAGE		d. NO OF	a.	b.	a. LONG TERM AVERAGE VALUE		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
20B 1,2 Dichlorobenzene (95 50 1)			X	NA	NA	NA	NA	NA	NA	NA	mg/L	lbs/day	NA	NA	NA
21B 1,3 Dichlorobenzene (541-73 1)			X	NA	NA	NA	NA	NA	NA	NA	mg/L	lbs/day	NA	NA	NA
22B 1,4 Dichlorobenzene (106-46-7)			X	NA	NA	NA	NA	NA	NA	NA	mg/L	lbs/day	NA	NA	NA
23B 3,3 Dichlorobenzidine (91 94-1)			X	NA	NA	NA	NA	NA	NA	NA	mg/L	lbs/day	NA	NA	NA
24B Diethyl Phthalate (84 66 2)			X	NA	NA	NA	NA	NA	NA	NA	mg/L	lbs/day	NA	NA	NA
25B Dimethyl Phthalate (131 11 3)			X	NA	NA	NA	NA	NA	NA	NA	mg/L	lbs/day	NA	NA	NA
26B Di n Butyl Phthalate (84 74 2)			X	NA	NA	NA	NA	NA	NA	NA	mg/L	lbs/day	NA	NA	NA
27B 2,4 Dinitrotoluene (121-14 2)			X	NA	NA	NA	NA	NA	NA	NA	mg/L	lbs/day	NA	NA	NA
28B 2,6 Dinitrotoluene (606 20 2)			X	NA	NA	NA	NA	NA	NA	NA	mg/L	lbs/day	NA	NA	NA
29B Di n Octyl Phthalate (117 84 0)			X	NA	NA	NA	NA	NA	NA	NA	mg/L	lbs/day	NA	NA	NA
30B 1,2 Diphenylhydrazine (122 66-7)			X	NA	NA	NA	NA	NA	NA	NA	mg/L	lbs/day	NA	NA	NA
31B Fluoranthene (206 44 0)			X	NA	NA	NA	NA	NA	NA	NA	mg/L	lbs/day	NA	NA	NA
32B Fluorene (86 73 7)			X	NA	NA	NA	NA	NA	NA	NA	mg/L	lbs/day	NA	NA	NA
33B Hexachlorobenzene (118 74-1)			X	NA	NA	NA	NA	NA	NA	NA	mg/L	lbs/day	NA	NA	NA
34B Hexachlorobutadiene (87 68 3)			X	NA	NA	NA	NA	NA	NA	NA	mg/L	lbs/day	NA	NA	NA
35B Hexachlorocyclopentadiene (77-47 4)			X	NA	NA	NA	NA	NA	NA	NA	mg/L	lbs/day	NA	NA	NA
36B Hexachloroethane (67 72 1)			X	NA	NA	NA	NA	NA	NA	NA	mg/L	lbs/day	NA	NA	NA
37B Indeno (1,2,3 cd) Pyrene (193 39 5)			X	NA	NA	NA	NA	NA	NA	NA	mg/L	lbs/day	NA	NA	NA
38B Isophorone (78 59 1)			X	NA	NA	NA	NA	NA	NA	NA	mg/L	lbs/day	NA	NA	NA
39B Naphthalene (91-20 3)			X	NA	NA	NA	NA	NA	NA	NA	mg/L	lbs/day	NA	NA	NA
40B Nitrobenzene (98 95 3)			X	NA	NA	NA	NA	NA	NA	NA	mg/L	lbs/day	NA	NA	NA
41B N Nitrosodimethylamine (62-75 9)			X	NA	NA	NA	NA	NA	NA	NA	mg/L	lbs/day	NA	NA	NA
42B N Nitrosodi n Propylamine (621 64 7)			X	NA	NA	NA	NA	NA	NA	NA	mg/L	lbs/day	NA	NA	NA
43B N Nitrosodiphenylamine (86-30 6)			X	NA	NA	NA	NA	NA	NA	NA	mg/L	lbs/day	NA	NA	NA
44B Phenanthrene (85 01 8)			X	NA	NA	NA	NA	NA	NA	NA	mg/L	lbs/day	NA	NA	NA
45B Pyrene (129 00 0)			X	NA	NA	NA	NA	NA	NA	NA	mg/L	lbs/day	NA	NA	NA
46B 1,2,4-Trichlorobenzene (120 82 1)			X	NA	NA	NA	NA	NA	NA	NA	mg/L	lbs/day	NA	NA	NA
Part C - Pesticides															
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 85 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 (115-29 7)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
12P beta Endosulfan (115 29 7)			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

				EPA ID. NUMBER LA0034483651									OUTFALL NUMBER C06		
1. POLLUTANT AND CAS NUMBER	2a. TESTING REQUIRED	2b. BELIEVED PRESENT	2c. BELIEVED ABSENT	3. EFFLUENT a. MAXIMUM ONLY VALUE (1) CONC.	a. MAXIMUM ONLY 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 AVERAGE VALUE (1) CONC.	a. LONG TERM AVERAGE VALUE (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															
Hexavalent Chromium	X		X	<0.010	<0.0000025	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
Total Kjeldahl Nitrogen	X	X		0.3	0.000075	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
Chlorides			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Dissolved Solids			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

NOTES:

A one time grab sampling event was conducted at Outfall C06 on 12/07/04 for all parameters indicated above

Historical analytical data from the period 01/01/03-12/31/04 for these permit compliance parameters with multiple laboratory analyses indicated above with the exception of flow

A flow rate of 0.00003 mgd was used to convert the 12/07/04 sampling data from concentration to mass where applicable. Maximum 30 day value and long term average mass quantifications conservatively represent the highest concentration value of the respective period qualified using the largest average flow of the similar period

All analytical results reported with a "less than" sign (<) were either (1) not detected in the effluent sample at or above the analytical method detection limit (MDL) achieved by the applicable laboratory analytical method or (2) not detected quantifiable at the practical quantitation limit (PQL) achieved by the applicable laboratory analytical method

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

OUTFALL 302 (C17)

Effluent data from the April 1, 2005
LPDES permit application

EPA I.D. NUMBER LAD034483651

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

OUTFALL NUMBER C17

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 AVERAGE VALUE (1) CONC.	(2) MASS	b. NO. OF ANALYSES
a. Biochemical Oxygen Demand (BOD)	<2.0	<1333	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
b. Chemical Oxygen Demand (COD)	35	23,329	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
c. Total Organic Carbon (TOC)	12.5	8,332	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
d. Total Suspended Solids (TSS)	8	5,332	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
e. Ammonia (as N)	<0.03	<20	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
f. Flow	VALUE	235.87	VALUE	235.87	VALUE	99.90	731	mgd	NA	NA	NA	NA
g. Temperature (summer)	VALUE	95.3	VALUE	87.5	VALUE	71.62	731	°F	NA	NA	NA	NA
h. Temperature (winter)	VALUE	NA	VALUE	NA	VALUE	NA	NA	NA	NA	NA	NA	NA
i. pH	MINIMUM 6.1	MAXIMUM 8.5	[redacted]				104	S.U.	NA	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 AVERAGE VALUE (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		X	0	0	0	0	0	0	62	mg/L	lbs/day	NA	NA	NA
c. Color (Dye, Apparent)	X		140	NA	NA	NA	NA	NA	1	PtCo units	NA	NA	NA	NA
d. Fecal Coliform		X	NA	NA	NA	NA	NA	NA	NA	NA	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)	X		<0.03	20	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
g. Nitrogen, Total Organic (as N)		X	0.53	353	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
h. Oil & Grease		X	0.75	500	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
i. Phosphorus (as P), Total (7723-14-0)	X		0.06	40	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		1.7	1,133	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
l. Sulfide (as S)		X	<0.3	<200	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
m. Sulfite (as SO_3)(14265-45-3)		X	<2.0	<1333	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
n. Surfactants		X	<0.2	<133.3	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
o. Aluminum, Total (7429-90-5)	X		0.572	381	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
p. Barium, Total (7440-39-3)	X		0.0358	24	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
q. Boron, Total (7440-42-8)		X	0.0171	11	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
r. Cobalt, Total (7440-48-4)		X	0.00047	0	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
s. Iron, Total (7439-89-6)	X		1.37	913	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
t. Magnesium, Total (7439-95-4)	X		1.46	973	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
u. Molybdenum, Total (7439-98-7)	X		0.00027	0	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
v. Manganese, Total (7439-96-5)	X		0.0938	63	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
w. Tin, Total (7440-31-5)	X		0.00006	0	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
x. Titanium, Total (7440-32-6)	X		0.0288	19	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA

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 AVERAGE VALUE (1) CONC.	a. LONG TERM AVERAGE VALUE (2) MASS	b. NO. OF ANALYSES
				EPA I.D. NUMBER LAD034483651									OUTFALL NUMBER 017		
Part C Metals, Cyanide, and Total Phenols															
1M Antimony, Total (7440-36-0)	X		X	0.00008	0.053	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
2M Arsenic, Total (7440-38-2)	X		X	0.0008	0.533	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
3M Beryllium, Total (7440-41-7)	X		X	0.000072	0.048	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
4M Cadmium, Total (7440-43-9)	X		X	0.00003	0.020	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
5M Chromium, Total (7440-47-3)	X	X		0.00168	1.120	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
6M Copper, Total (7440-50-8)	X	X		0.00136	0.906	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
7M Lead, Total (7439-92-1)	X		X	0.000533	0.355	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
8M Mercury, Total (7439-97-6)	X		X	<0.00004	<0.0266	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
9M Nickel, Total (7440-02-0)	X	X		0.002	1.333	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
10M Selenium, Total (7782-49-2)	X		X	0.0002	0.133	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
11M Silver, Total (7440-22-4)	X	X		0.000013	0.009	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
12M Thallium, Total (7440-28-0)	X		X	0.000016	0.011	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
13M Zinc, Total (7440-66-6)	X	X		0.0047	3.133	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
14M Cyanide, Total (57-12-5)	X		X	<0.003	<2.0	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
15A Phenol, Total	X		X	<0.0055	<3.67	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
Dioxin															
2,3,7,8-Tetrachlorodibenzo-P-Dioxin (1746-01-6)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Part C Volatile Compounds															
1V Acrolein (107-02-8)	X		X	<0.05	<33.33	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
2V Acrylonitrile (107-13-1)	X		X	<0.01	<6.67	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
3V Benzene (71-43-2)	X		X	<0.005	<3.33	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
4V Bis (Chloromethyl) Ether (542-88-1)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
5V Bromoform (75-25-2)	X		X	<0.005	<3.33	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
6V Carbon Tetrachloride (56-23-5)	X		X	<0.005	<3.33	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
7V Chlorobenzene (108-90-7)	X		X	<0.005	<3.33	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
8V Chlorodibromomethane (124-48-1)	X		X	<0.005	<3.33	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
9V Chloroethane (75-00-3)	X		X	<0.005	<3.33	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
10V 2-Chloroethylvinyl Ether (110-75-8)	X		X	<0.010	<6.67	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
11V Chloroform (67-66-3)	X		X	<0.005	<3.33	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
12V Dichlorobromomethane (75-27-4)	X		X	<0.005	<3.33	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
13V Dichlorodifluoromethane (75-71-8)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
14V 1,1-Dichloroethane (75-34-3)	X		X	<0.005	<3.33	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
15V 1,2-Dichloroethane (107-06-2)	X		X	<0.005	<3.33	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
16M 1,1-Dichloroethylene (75-35-4)	X		X	<0.005	<3.33	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
17V 1,2-Dichloropropane (78-87-5)	X		X	<0.005	<3.33	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
18V 1,3-Dichloropropylene (542-75-6)	X		X	<0.005	<3.33	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
19V Ethylbenzene (100-41-4)	X		X	<0.005	<3.33	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
20V Methyl Bromide (74-83-9)	X		X	<0.005	<3.33	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
21V Methyl Chloride (74-87-3)	X		X	<0.005	<3.33	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
22V Methylene Chloride (75-09-2)	X		X	<0.005	<3.33	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA

1. POLLUTANT AND CAS NUMBER	2a. IF STORE REQUIRED	2b. BELIEVED PRESENT	2c. BELIEVED ABSENT	3. EFFLUENT (EPA I.D. NUMBER LA0034483651) a. MAXIMUM DAILY VALUE (1) CONC.	a. (2) MASS	b. MAXIMUM 30 DAY VALUE (1) CONC.	b. (2) MASS	c. LONG TERM AVERAGE (1) CONC.	c. (2) MASS	d. NO. OF ANALYSES	4. UNITS a. CONC.	b. MASS	5. INTAKE (OPTIONAL) (OUTFALL NUMBER C17) a. LONG TERM AVERAGE VALUE (1) CONC.	a. (2) MASS	b. NO. OF ANALYSES
23V 1,1,2,2 Tetrachloroethane (79-34-5)	X		X	<0.005	<3.33	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
24V Tetrachloroethylene (127-18-4)	X		X	<0.005	<3.33	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
25V Toluene (108-88-3)	X		X	<0.005	<3.33	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
26V 1,2 Trans Dichloroethylene (156-60-5)	X		X	<0.005	<3.33	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
27V 1,1,1 Trichloroethane (71-55-6)	X		X	<0.005	<3.33	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
28V 1,1,2 Trichloroethane (79-00-5)	X		X	<0.005	<3.33	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
29V Trichloroethylene (79-01-6)	X		X	<0.005	<3.33	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
30V Trichlorofluoromethane (75-69-4)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
31V Vinyl Chloride (75-01-4)	X		X	<0.005	<3.33	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
Part C - Acid Compounds															
1A 2 Chlorophenol (95-57-8)	X		X	<0.01	<6.67	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
2A 2,4 Dichlorophenol (120-83-2)	X		X	<0.01	<6.67	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
3A 2,4 Dimethylphenol (105-67-9)	X		X	<0.01	<6.67	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
4A 4,6 Dinitro o Cresol (534-52-1)	X		X	<0.025	<16.66	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
5A 2,4 Dinitrophenol (51-28-5)	X		X	<0.025	<16.66	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
6A 2 Nitrophenol (88-75-5)	X		X	<0.01	<6.67	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
7A 4 Nitrophenol (100-02-7)	X		X	<0.025	<16.66	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
8A p Chloro m Cresol (59-50-7)	X		X	<0.01	<6.67	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
9A Pentachlorophenol (87-86-5)	X		X	<0.025	<16.66	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
10A Phenol (108-95-2)	X		X	<0.01	<6.67	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
11A 2,4,6 Trichlorophenol (88-06-2)	X		X	<0.01	<6.67	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
Part C - Base/Neutral Compounds															
1B Acenaphthene (83-32-9)	X		X	<0.01	<6.67	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
2B Acenaphthylene (208-96-8)	X		X	<0.01	<6.67	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
3B Anthracene (120-12-7)	X		X	<0.01	<6.67	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
4B Benzidine (92-87-5)	X		X	<0.05	<33.33	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
5B Benzo (a) Anthracene (56-55-3)	X		X	<0.01	<6.67	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
6B Benzo (a) Pyrene (50-32-8)	X		X	<0.01	<6.67	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
7B 3,4 Benzofluoranthene (205-99-2)	X		X	<0.01	<6.67	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
8B Benzo (g,h,i) Perylene (191-24-2)	X		X	<0.01	<6.67	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
9B Benzo (k) Fluoranthene (207-08-9)	X		X	<0.01	<6.67	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
10B Bis(2 Chloroethoxy) Methane (111-91-1)	X		X	<0.01	<6.67	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
11B Bis(2 Chloroethyl) Ether (111-44-4)	X		X	<0.01	<6.67	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
12B Bis(2 Chloroisopropyl) Ether (102-60-1)	X		X	<0.01	<6.67	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
13B Bis(2 Ethylhexyl) Phthalate (117-81-7)	X		X	<0.01	<6.67	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
14B 4 Bromophenyl Phenyl Ether (101-55-3)	X		X	<0.01	<6.67	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
15B Butyl Benzyl Phthalate (85-68-7)	X		X	<0.01	<6.67	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
16B 2 Chloronaphthalene (91-58-7)	X		X	<0.01	<6.67	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
17B 4 Chlorophenyl Phenyl Ether (7005-72-3)	X		X	<0.01	<6.67	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
18B Chrysene (218-01-9)	X		X	<0.01	<6.67	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
19B Dibenzo (a,h) Anthracene (53-70-3)	X		X	<0.01	<6.67	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA

				EPA ID NUMBER LAG034403651									OUTFALL NUMBER C17		
1. POLLUTANT	2a TESTING	2b BELIEVED	2c BELIEVED	3. EFFLUENT							4. UNITS		5. INTAKE (OPTIONAL)		
				a. MAXIMUM ONLY VALUE		b. MAXIMUM 30 DAY VALUE		c. LONG TERM AVERAGE		d. NO OF	a	b	a. LONG TERM AVERAGE VALUE		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
26B 1,2 Dichlorobenzene (95-50-1)	X		X	<0.01	<6.67	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
27B 1,3 Dichlorobenzene (541-73-1)	X		X	<0.01	<6.67	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
28B 1,4 Dichlorobenzene (106-46-7)	X		X	<0.01	<6.67	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
29B 3,3 Dichlorobenzidine (91-94-1)	X		X	<0.025	<16.66	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
30B Diethyl Phthalate (84-66-2)	X		X	<0.01	<6.67	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
31B Dimethyl Phthalate (131-11-3)	X		X	<0.01	<6.67	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
32B Di-n-Butyl Phthalate (84-74-2)	X		X	<0.01	<6.67	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
33B 2,4 Dinitrotoluene (121-14-2)	X		X	<0.01	<6.67	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
34B 2,6 Dinitrotoluene (606-20-2)	X		X	<0.01	<6.67	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
35B Di-n-Octyl Phthalate (117-84-0)	X		X	<0.01	<6.67	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
36B 1,2 Diphenylhydrazine (122-66-7)	X		X	<0.01	<6.67	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
37B Fluoranthene (206-44-0)	X		X	<0.01	<6.67	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
38B Fluorene (86-73-7)	X		X	<0.01	<6.67	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
39B Hexachlorobenzene (118-74-1)	X		X	<0.01	<6.67	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
40B Hexachlorobutadiene (87-68-3)	X		X	<0.01	<6.67	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
41B Hexachlorocyclopentadiene (77-47-4)	X		X	<0.01	<6.67	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
42B Hexachloroethane (67-72-1)	X		X	<0.01	<6.67	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
43B Indeno (1,2,3-cd) Pyrene (193-39-5)	X		X	<0.01	<6.67	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
44B Isophorone (78-59-1)	X		X	<0.01	<6.67	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
45B Naphthalene (91-20-3)	X		X	<0.01	<6.67	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
46B Nitrobenzene (98-95-3)	X		X	<0.01	<6.67	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
47B N-Nitrosodimethylamine (62-75-9)	X		X	<0.025	<16.66	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
48B N-Nitrosodi-n-Propylamine (621-64-7)	X		X	<0.01	<6.67	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
49B N-Nitrosodiphenylamine (86-30-6)	X		X	<0.01	<6.67	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
50B Phenanthrene (85-01-8)	X		X	<0.01	<6.67	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
51B Pyrene (129-00-0)	X		X	<0.01	<6.67	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
52B 1,2,4 Trichlorobenzene (120-82-1)	X		X	<0.01	<6.67	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
Part C - Pesticides															
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 (319-85-7)			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 (115-29-7)			X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
12P beta Endosulfan (115-29-7)			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

EPA I.D. NUMBER LAD004483651

OUTFALL NUMBER C17

1. POLLUTANT AND CAS NUMBER	2a. TESTING REQUIRED	2b. BELIEVED PRESENT	2c. 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 AVERAGE VALUE (1) CONC.	(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															
Hexavalent Chromium	X		X	<0.010	<0.87	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
Total Kjeldahl Nitrogen	X	X		0.5	333	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
Chlorides	X	X		3.5	2,333	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
Total Dissolved Solids	X	X		62	41,325	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA

NOTES:

A dual time grab sampling event was conducted at substantially identical Outfall C03 on 12/07/04 for all parameters indicated above.

Historical analytical data from the period 01/01/03-12/31/04 for those permit compliance parameters with multiple laboratory analyses indicated above with the exception of flow.

A flow rate of 79.92 mgd was used to convert the 12/07/04 sampling data from concentration to mass where applicable. Maximum 30 day value and long term average mass quantifications conservatively represent the highest concentration value of the respective period paired using the largest average flow of the similar period.

All analytical results reported with a "less than" sign (<) were either: (1) not detected in the effluent sample at or above the analytical method detection limit (MDL) achieved by the applicable laboratory analytical method, or (2) non detected quantitab.

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 B

Biomonitoring Recommendation

BIOMONITORING FREQUENCY RECOMMENDATION AND RATIONALE FOR ADDITIONAL REQUIREMENTS

Permit Number: **LA0002879**
Facility Name: **CLECO Evangeline, LLC – Evangeline Power Station**
Previous Critical Dilution: **89.6%** Proposed Critical Dilution: **87%**
Date of Review: **02/06/06** Name of Reviewer: **Kim Gunderson**

Recommended Frequency by Species:

***Pimephales promelas* (Fathead minnow): Once/Quarter[1]**
***Ceriodaphnia dubia* (water flea): Once/Quarter[1]**

Recommended Dilution Series: **28%, 37%, 49%, 65%, and 87%**

Number of Tests Performed during previous 5 years by Species:

***Pimephales promelas* (Fathead minnow): 7**
***Daphnia pulex* (water flea): N/A – Testing of species was not required**
***Daphnia magna* (water flea): N/A – Testing of species was not required**
***Ceriodaphnia dubia* (water flea): 11**

Number of Failed Tests during previous 5 years by Species:

***Pimephales promelas* (Fathead minnow): No failures on file during the past 5 years**
***Daphnia pulex* (water flea): N/A – Testing of species was not required**
***Daphnia magna* (water flea): N/A – Testing of species was not required**
***Ceriodaphnia dubia* (water flea): 1 (sub-lethal)**

Failed Test Dates during previous 5 years by Species:

***Pimephales promelas* (Fathead minnow): No failures on file during the past 5 years**
***Daphnia pulex* (water flea): N/A – Testing of species was not required**
***Daphnia magna* (water flea): N/A – Testing of species was not required**
***Ceriodaphnia dubia* (water flea): Test period: 10/01/02-03/31/03 (sub-lethal)**

Previous TRE Activities: **N/A – No previous TRE Activities**

---

[1] If there are no lethal or sub-lethal effects demonstrated after the first year of quarterly testing, the permittee may certify fulfillment of the WET testing requirements in writing to the permitting authority. If granted, the monitoring frequency for the test species may be reduced to not less than once per year for the less sensitive species (usually *Pimephales promelas*) and not less than twice per year for the more sensitive species (usually *Ceriodaphnia dubia*). Upon expiration of the permit, the monitoring frequency for both species shall revert to once per quarter until the permit is re-issued.

Additional Requirements (including WET Limits) Rationale / Comments Concerning Permitting:

CLECO Evangeline – Evangeline Power Station owns and operates a steam electric generating facility located in St. Landry, Evangeline Parish, Louisiana. LPDES Permit LA0002879, effective October 1, 2000, contained chronic freshwater biomonitoring as an effluent characteristic of Outfall C17 for *Pimephales promelas* and *Ceriodaphnia dubia*. The effluent series consisted of 28.4%, 37.8%, 50.4%, 67.2%, and 89.6% effluent concentrations, with the 89.6% effluent concentration being defined as the critical dilution. Testing was to be performed once every quarter. Data on file indicate that the facility experienced one sub-lethal failure for the *Ceriodaphnia dubia* (Test period: 10/01/02-03/31/03). Data on file indicate that the permittee has complied with the biomonitoring requirements contained in LA0002879 with no lethal failures in the last five years.

Outfall C17 is being discharged through Outfalls C02 and C03; therefore, biomonitoring is no longer required on Outfall C17. However, biomonitoring is now required for Outfalls C02 and C03.

Therefore, to adequately assess the facility's effluent potential for receiving stream and/or aquatic species toxicity, it is recommended that freshwater chronic biomonitoring be an effluent characteristic of Outfalls C02 and C03 (total discharge of 234.2 MGD of reservoir overflow consisting of previously monitored once through non-contact cooling water from Outfall C17, previously monitored low volume wastewaters from Outfalls C05 and C06, previously monitored chemical and non-chemical metal cleaning waste from Outfall C08, clarifier sedimentation pond overflow, filter backwash, low volume wastewater [non-oily drains], and non-process area stormwater runoff) in LA0002879. The effluent dilution series shall be 28%, 37%, 49%, 65%, and 87% concentrations, with the 87% effluent concentration being defined as the critical dilution. Samples will be taken from the flow-weighted composite of Outfalls C02 and C03.

In accordance with the Environmental Protection Agency (Region 6) WET testing frequency acceleration(s), the biomonitoring frequency shall be once per quarter for *Ceriodaphnia dubia* and *Pimephales promelas*. If there are no significant lethal or sub-lethal effects demonstrated at or below the critical dilution during the first four quarters of testing, the permittee may certify fulfillment of the WET testing requirements to the permitting authority and WET testing may be reduced to not less than once per six months for the more sensitive species (*Ceriodaphnia dubia*) and not less than once per year for the less sensitive species (*Pimephales promelas*) for the remainder of the term of the permit. Upon expiration of the permit, the monitoring frequency for both test species shall revert to once per quarter until the permit is re-issued.

This recommendation is in accordance with the LDEQ/OES Permitting Guidance Document for Implementing Louisiana Surface Water Quality Standards, EPA Region 6 Post-Third Round Whole Effluent Toxicity Testing Frequencies (Revised June 30, 2000), and the Best Professional Judgement (BPJ) of the reviewer.

Appendix C

Water Quality Spread Sheet and Documentation

Developer: Bruce Fielding Time: 09:41 AM

Software: Lotus 4.0 LA0002879 / AI 1906

Revision date: 12/13/02

Water Quality Screen for Evangeline Power Station

Input variables:

Receiving Water Characteristics:

Receiving Water Name= Evangeline Power Station

Critical flow (Qr) cfs= 52.6

Harm. mean/avg tidal cfs= 191

Drinking Water=1 HHNPCR=2

Marine, 1=y, 0=n

Rec. Water Hardness= 25

Rec. Water TSS= 6

Fisch/Specific=1,Stream=0

Diffuser Ratio=

Effluent Characteristics:

Permittee= Evangeline Power Station

Permit Number= LA0002879 / AI 1906

Facility flow (Qef),MGD= 112.9

Outfall Number = 2

Eff. data, 2=lbs/day

MQL, 2=lbs/day

Effluent Hardness= N/A

Effluent TSS= N/A

WQBL ind. 0=y, 1=n

Acute/Chr. ratio 0=n, 1=y

Aquatic,acute only1=y,0=n

Page Numbering/Labeling

Appendix Appendix C-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:

F/specific ZID Dilution = ---

F/specific MZ Dilution = ---

F/specific HHnc Dilution= ---

F/specific HHc Dilution= ---

Dilution:

ZID Fs = 0.1

MZ Fs = 1

Critical Qr (MGD)=33.99538

Harm. Mean (MGD)= 123.4433

ZID Dilution = 0.970769

MZ Dilution = 0.768574

HHnc Dilution= 0.768574

HHc Dilution= 0.477695

ZID Upstream = 0.030111

MZ Upstream = 0.301111

MZhhnc Upstream= 0.301111

MZhhc Upstream= 1.093386

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 Qef0.941586

ug/L-->lbs/day Qeo 0

ug/L-->lbs/day Qr 0.438684

lbs/day-->ug/L Qeo1.062038

lbs/day-->ug/L Qef1.062038

diss-->tot 1=y0=n 1

Cu diss->tot1=y0=n 1

cfs-->MGD 0.6463

Receiving Stream:

Default Hardness= 25

Default TSS= 10

99 Crit., 1=y, 0=n 1

Toxicity Dilution Series:

Biomonitoring dilution: 0.768574

Dilution Series Factor: 0.75

	Percent Effluent
Dilution No. 1	76.857%
Dilution No. 2	57.6431%
Dilution No. 3	43.2323%
Dilution No. 4	32.4242%
Dilution No. 5	24.3182%

Partition Coefficients; Dissolved-->Total

METALS	FW
Total Arsenic	1.77865
Total Cadmium	4.16884
Chromium III	4.80899
Chromium VI	1
Total Copper	2.657115
Total Lead	5.006713
Total Mercury	3.256612
Total Nickel	2.058769
Total Zinc	3.139712

Aquatic Life, Dissolved

Metal Criteria, ug/L

METALS	ACUTE	CHRONIC
Arsenic	339.8	150
Cadmium	7.067385	0.369319
Chromium III	176.3104	57.19328
Chromium VI	15.712	10.582
Copper	4.990833	3.757325
Lead	13.88217	0.540968
Mercury	1.734	0.012
Nickel	438.0648	48.65061
Zinc	35.35741	32.28667

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) Instream Conc. ug/L	(*3) CuEffluent /Tech (Avg) ug/L	(*4) Effluent /Tech (Max) ug/L	(*5) MQL ug/L	(*6) Effluent 1=No 95% 0=95 %	(*7) 95th % estimate Non-Tech ug/L	(*8) Numerical Criteria Acute FW ug/L	(*9) Chronic FW ug/L	(*10) HHNDW ug/L	(*11) HH Carcinogen Indicator "C"
NONCONVENTIONAL										
Total Phenols (4AAP)				5			700	350	50	
3-Chlorophenol				10						
4-Chlorophenol				10			383	192		
2,3-Dichlorophenol				10						
2,5-Dichlorophenol				10						
2,6-Dichlorophenol				10						
3,4-Dichlorophenol				10						
2,4-Dichlorophenocy-acetic acid (2,4-D)				---						
2-(2,4,5-Trichlorophen-oxy) propionic acid (2,4,5-TP, Silvex)				---						
METALS AND CYANIDE										
Total Arsenic		0.8	0.8	10	1		604.3851	266.7974		
Total Cadmium		0.03	0.03	1	1		29.4628	1.539631		
Chromium III		1.68	1.68	10	1		847.8751	275.0419		
Chromium VI				10			15.712	10.582		
Total Copper		1.3	1.3	10	1		13.26122	9.983646		
Total Lead		0.53	0.53	5	1		69.50406	2.708473		
Total Mercury				0.2			5.646965	0.039079		
Total Nickel		2	2	40	1		901.8742	100.1604		
Total Zinc		4.7	4.7	20	1		111.0121	101.3709		
Total Cyanide				20			45.9	5.2	12844	
DIOXIN										
2,3,7,8 TCDD; dioxin			1.0E-005						7.2E-007	C
VOLATILE COMPOUNDS										
Benzene				10			2249	1125	12.5	C
Bromoform				10			2930	1465	34.7	C
Bromodichloromethane				10					3.3	C
Carbon Tetrachloride				10			2730	1365	1.2	C
Chloroform				10			2890	1445	70	C
Dibromochloromethane				10					5.08	C
1,2-Dichloroethane				10			11800	5900	6.8	C
1,1-Dichloroethylene				10			1160	580	0.58	C
1,3-Dichloropropylene				10			606	303	162.79	
Ethylbenzene				10			3200	1600	8100	
Methyl Chloride				50			55000	27500		
Methylene Chloride				20			19300	9650	87	C
1,1,2,2 Tetrachloro-ethane				10			932	466	1.8	C

(*1) Toxic Parameters	(*12) WLAa Acute	(*13) WLAc Chronic	(*14) WLAh HHNDW	(*15) LTAa Acute	(*16) LTAc Chronic	(*17) LTAh HHNDW	(*18) Limiting A,C,HH	(*19) WQBL Avg	(*20) WQBL Max	(*21) WQBL Avg	(*22) WQBL Max	(*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)	721.0777	455.3887	65.05553	230.7449	241.356	65.05553	65.05553	65.05553	154.8322	61.25537	145.7878	no
3-Chlorophenol	---	---	---	---	---	---	---	---	--	---	---	no
4-Chlorophenol	394.5325	249.8132	---	126.2504	132.401	---	126.2504	165.388	392.6388	155.7271	369.7032	no
2,3-Dichlorophenol	---	---	---	---	---	---	---	---	---	---	---	no
2,5-Dichlorophenol	---	---	---	---	---	---	---	---	---	---	---	no
2,6-Dichlorophenol	---	---	---	---	---	---	---	---	---	---	---	no
3,4-Dichlorophenol	---	---	---	---	---	---	---	---	---	---	---	no
2,4-Dichlorophenocy-acetic acid (2,4-D)	---	---	---	---	---	---	---	---	---	---	---	no
2-(2,4,5-Trichlorophen-oxy) propionic acid (2,4,5-TP, Silvex)	---	---	---	---	---	---	---	---	---	---	---	no
METALS AND CYANIDE												
Total Arsenic	622.5838	347.133	---	199.2268	183.9805	---	183.9805	241.0144	572.1793	226.9358	538.756	no
Total Cadmium	30.34996	2.003231	---	9.711986	1.061712	---	1.061712	1.390843	3.301925	1.309598	3.109046	no
Chromium III	873.4055	357.86	---	279.4898	189.6658	---	189.6658	248.4622	589.8606	233.9485	555.4044	no
Chromium VI	16.1851	13.76835	---	5.179234	7.297226	---	5.179234	6.784796	16.10742	6.388469	15.16652	no
Total Copper	13.66053	12.98983	---	4.371368	6.884608	---	4.371368	5.726493	13.59496	5.391985	12.80082	no
Total Lead	71.5969	3.524023	---	22.91101	1.867732	---	1.867732	2.446729	5.808648	2.303806	5.469341	no
Total Mercury	5.817001	0.050847	---	1.86144	0.026949	---	0.026949	0.035303	0.08381	0.033241	0.078915	no
Total Nickel	929.0306	130.3197	---	297.2898	69.06944	---	69.06944	90.48097	214.806	85.19562	202.2583	no
Total Zinc	114.3548	131.8947	---	36.59353	69.90419	---	36.59353	47.93752	113.8059	45.1373	107.158	no
Total Cyanide	47.2821	6.765775	16711.46	15.13027	3.585861	16711.46	3.585861	4.697477	11.15203	4.423079	10.50059	no
DIOXIN												
2,3,7,8 TCDD; dioxin	---	---	0.000002	---	---	0.000002	0.000002	0.000002	0.000004	0.000001	0.000003	no
VOLATILE COMPOUNDS												
Benzene	2316.72	1463.749	26.16733	741.3503	775.7872	26.16733	26.16733	26.16733	62.27824	24.63879	58.64032	no
Bromoform	3018.225	1906.127	72.6405	965.8321	1010.247	72.6405	72.6405	72.6405	172.8844	68.39728	162.7855	no
Bromodichloromethane	---	---	6.908174	---	---	6.908174	6.908174	6.908174	16.44146	6.50464	15.48104	no
Carbon Tetrachloride	2812.203	1776.016	2.512063	899.905	941.2884	2.512063	2.512063	2.512063	5.978711	2.365324	5.629471	no
Chloroform	2977.021	1880.105	146.537	952.6467	996.4555	146.537	146.537	146.537	348.7581	137.9772	328.3858	no
Dibromochloromethane	---	---	10.6344	---	---	10.6344	10.6344	10.6344	25.30988	10.0132	23.83143	no
1,2-Dichloroethane	12155.31	7676.552	14.23503	3889.699	4068.573	14.23503	14.23503	14.23503	33.87936	13.4035	31.90033	no
1,1-Dichloroethylene	1194.929	754.6441	1.214164	382.3772	399.9614	1.214164	1.214164	1.214164	2.88971	1.14324	2.720911	no
1,3-Dichloropropylene	624.2473	394.2365	211.8078	199.7591	208.9453	211.8078	199.7591	261.6845	621.2509	246.3984	584.9612	no
Ethylbenzene	3296.355	2081.777	10539	1054.834	1103.342	10539	1054.834	1381.832	3280.533	1301.114	3088.904	no
Methyl Chloride	56656.11	35780.54	---	18129.95	18963.69	---	18129.95	23750.24	56384.16	22362.89	53090.53	no
Methylene Chloride	19881.14	12555.72	182.1246	6361.966	6654.53	182.1246	182.1246	182.1246	433.4565	171.486	408.1366	no
1,1,2,2-Tetrachloro-ethane	960.0635	606.3175	3.768095	307.2203	321.3483	3.768095	3.768095	3.768095	8.968066	3.547986	8.444206	no

(*1) Toxic Parameters	(*2) Instream Conc. ug/L	(*3) CuEffluent /Tech (Avg) ug/L	(*4) Effluent /Tech (Max) ug/L	(*5) MQL ug/L	(*6) Effluent 95th % 1=No 95% 0=95 %	(*7) estimate Non-Tech ug/L	(*8) Numerical Criteria Acute FW ug/L	(*9) Chronic FW ug/L	(*10) HHNDW ug/L	(*11) HH Carcinogen Indicator "C"
VOLATILE COMPOUNDS (cont'd)										
Tetrachloroethylene				10			1290	645	2.5	C
Toluene				10			1270	635	46200	
1,1,1-Trichloroethane				10			5280	2640		
1,1,2-Trichloroethane				10			1800	900	6.9	C
Trichloroethylene				10			3900	1950	21	C
Vinyl Chloride				10					35.8	C
ACID COMPOUNDS										
2-Chlorophenol				10			258	129	126.4	
2,4-Dichlorophenol				10			202	101	232.6	
BASE NEUTRAL COMPOUNDS										
Benzidine				50			250	125	0.00017	C
Hexachlorobenzene				10					0.00025	C
Hexachlorabutadiene				10			5.1	1.02	0.11	C
PESTICIDES										
Aldrin				0.05			3		0.0004	C
Hexachlorocyclohexane (gamma BHC, Lindane)				0.05			5.3	0.21	0.2	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			0.2374	0.0557	0.00005	C
Endosulfan				0.1			0.22	0.056	0.64	
Endrin				0.1			0.0864	0.0375	0.26	
Heptachlor				0.05			0.52	0.0038	0.00007	C
Toxaphene				5			0.73	0.0002	0.00024	C
Other Parameters:										
Fecal Col.(col/100ml)										
Chlorine							19	11		
Ammonia								4000		
Chlorides										
Sulfates								30000		
TDS										
Goldbook Values:										

(*1) Toxic Parameters	(*12) WLAa Acute	(*13) WLAc Chronic	(*14) WLAh HHNDW	(*15) LTAa Acute	(*16) LTAc Chronic	(*17) LTAh HHNDW	(*18) Limiting A,C,HH	(*19) WQBL Avg	(*20) WQBL Max	(*21) WQBL Avg	(*22) WQBL MaxWQBL?	(*23) Need
	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	lbs/day	lbs/day	
Tetrachloroethylene	1328.843	839.2163	5.233465	425.2298	444.7846	5.233465	5.233465	5.233465	12.45565	4.927758	11.72806	no
Toluene	1308.241	826.2052	60111.31	418.6371	437.8888	60111.31	418.6371	548.4146	1301.961	516.3796	1225.909	no
1,1,1-Trichloroethane	5438.986	3434.932	---	1740.476	1820.514	---	1740.476	2280.023	5412.879	2146.838	5096.691	no
1,1,2-Trichloroethane	1854.2	1170.999	14.44436	593.344	620.6297	14.44436	14.44436	14.44436	34.37759	13.60061	32.36946	no
Trichloroethylene	4017.433	2537.166	43.96111	1285.579	1344.698	43.96111	43.96111	43.96111	104.6274	41.39317	98.51573	no
Vinyl Chloride	---	---	74.94323	---	---	74.94323	74.94323	74.94323	178.3649	70.56549	167.9459	no
ACID COMPOUNDS												
2-Chlorophenol	265.7687	167.8433	164.4604	85.04597	88.95693	164.4604	85.04597	111.4102	264.493	104.9023	249.0429	no
2,4-Dichlorophenol	208.0824	131.4122	302.6383	66.58638	69.64845	302.6383	66.58638	87.22816	207.0836	82.13281	194.9871	no
BASE NEUTRAL COMPOUNDS												
Benzidine	257.5278	162.6388	0.000356	82.40888	86.19857	0.000356	0.000356	0.000356	0.000847	0.000335	0.000798	no
Hexachlorobenzene	---	---	0.000523	---	---	0.000523	0.000523	0.000523	0.001246	0.000493	0.001173	no
Hexachlorabutadiene	5.253566	1.327133	0.230272	1.681141	0.70338	0.230272	0.230272	0.230272	0.548049	0.216821	0.516035	no
PESTICIDES												
Aldrin	3.090333	---	0.000837	0.988907	---	0.000837	0.000837	0.000837	0.001993	0.000788	0.001876	no
Hexachlorocyclohexane (gamma BHC, Lindane)	5.459589	0.273233	0.418677	1.747068	0.144814	0.418677	0.144814	0.189706	0.45037	0.178624	0.424062	no
Chlordane	2.472267	0.005595	0.000398	0.791125	0.002965	0.000398	0.000398	0.000398	0.000947	0.000375	0.000891	no
4,4'-DDT	1.133122	0.001301	0.000398	0.362599	0.00069	0.000398	0.000398	0.000398	0.000947	0.000375	0.000891	no
4,4'-DDE	54.08083	13.66166	0.000398	17.30587	7.24068	0.000398	0.000398	0.000398	0.000947	0.000375	0.000891	no
4,4'-DDD	0.030903	0.007807	0.000565	0.009889	0.004138	0.000565	0.000565	0.000565	0.001345	0.000532	0.001267	no
Dieldrin	0.244548	0.072472	0.000105	0.078255	0.03841	0.000105	0.000105	0.000105	0.000249	0.000099	0.000235	no
Endosulfan	0.226624	0.072862	0.832711	0.07252	0.038617	0.832711	0.038617	0.050588	0.120099	0.047633	0.113083	no
Endrin	0.089002	0.048792	0.338289	0.028481	0.02586	0.338289	0.02586	0.033876	0.080423	0.031897	0.075725	no
Heptachlor	0.535658	0.004944	0.000147	0.17141	0.00262	0.000147	0.000147	0.000147	0.000349	0.000138	0.000328	no
Toxaphene	0.751981	0.00026	0.000502	0.240634	0.000138	0.000502	0.000138	0.000181	0.000429	0.00017	0.000404	no
Other Parameters:												
Fecal Col.(col/100ml)	---	---	---	---	---	---	---	---	---	---	---	no
Chlorine	19.57211	14.31222	---	6.263075	7.585474	---	6.263075	8.204629	19.47816	7.725363	18.34037	no
Ammonia	---	5204.442	---	---	2758.354	---	2758.354	3613.444	8578.482	3402.368	8077.379	no
Chlorides	---	---	---	---	---	---	---	---	---	---	---	no
Sulfates	---	62801.59	---	---	33284.84	---	33284.84	43603.14	103515.9	41056.11	97469.08	no
TDS	---	---	---	---	---	---	---	---	---	---	---	no
	---	---	---	---	---	---	---	---	---	---	---	no
	---	---	---	---	---	---	---	---	---	---	---	no

APPENDIX C-2
LA0002879 / AI 1906

Documentation and Explanation of Water Quality Screen
and Associated Lotus Spreadsheet

Each reference column is marked by a set of parentheses enclosing a number and asterisk, for example (*1) or (*19). These columns represent inputs, existing data sets, calculation points, and results for determining Water Quality Based Limits for an effluent of concern. The following represents a summary of information used in calculating the water quality screen:

Receiving Water Characteristics:

Receiving Water: Bayou Cocodrie
Critical Flow, Qrc (cfs): 52.6
Harmonic Mean Flow, Qrh (cfs): 191
Segment No.: 060201
Receiving Stream Hardness (mg/L): 18
Receiving Stream TSS (mg/L): 6
MZ Stream Factor, Fs: 1.0
Plume distance, Pf: N/

Effluent Characteristics:

Company: Cleco Evangeline, L.L.C.
Facility flow, Qe (MGD): Outfall 002 - 112.9 MGD and Outfalls 003 - 112.9 MGD
Effluent Hardness (mg/L): N/A
Effluent TSS (mg/L): N/A
Pipe/canal width, Pw: N/A
Permit Number: LA0002879

Variable Definition:
Qrc, critical flow of receiving stream, cfs
Qrh, harmonic mean flow of the receiving stream, cfs
Pf = Allowable plume distance in feet, specified in LAC 33.IX.1115.D
Pw = Pipe width or canal width in feet
Qe, total facility flow , MGD
Fs, stream factor from LAC.IX.33.11 (1 for harmonic mean flow)
Cu, ambient concentration, ug/L
Cr, numerical criteria from LAC.IX.1113, Table 1
WLA, wasteload allocation
LTA, long term average calculations
WQBL, effluent water quality based limit
ZID, Zone of Initial Dilution in % effluent
MZ, Mixing Zone in % effluent

Formulas used in aquatic life water quality screen (dilution type WLA):

Streams:

$$\text{Dilution Factor} = \frac{Qe}{(Qrc \times 0.6463 \times Fs + Qe)}$$

$$WLA\ a,c,h = \frac{Cr}{\text{Dilution Factor}} - \frac{(Fs \times Qrc \times 0.6463 \times Cu)}{Qe}$$

Static water bodies (in the absence of a site specific dilution):

Discharge from a pipe:

$$\text{Critical Dilution} = \frac{(2.8)\ Pw\ \pi^{1/2}}{Pf}$$

$$WLA = \frac{(Cr-Cu)\ Pf}{(2.8)\ Pw\ \pi^{1/2}}$$

Discharge from a canal:

$$\text{Critical Dilution} = \frac{(2.38)(Pw^{1/2})}{(Pf)^{1/2}}$$

$$WLA = \frac{(Cr-Cu)\ Pf^{1/2}}{2.38\ Pw^{1/2}}$$

Formulas used in human health water quality screen, human health non-carcinogens (dilution type WLA):

Streams:

$$\text{Dilution Factor} = \frac{Qe}{(Qrc \times 0.6463 + Qe)}$$

$$WLA\ a,c,h = \frac{Cr}{\text{Dilution Factor}} - \frac{(Qrc \times 0.6463 \times Cu)}{Qe}$$

Formulas used in human health water quality screen, human health carcinogens (dilution type WLA):

$$\text{Dilution Factor} = \frac{Qe}{(Qrh \times 0.6463 + Qe)}$$

$$WLA\ a,c,h = \frac{Cr}{\text{Dilution Factor}} - \frac{(Qrh \times 0.6463 \times Cu)}{Qe}$$

Static water bodies in the absence of a site specific dilution (human health carcinogens and human health non-carcinogens):

Discharge from a pipe:

$$\text{Critical Dilution} = \frac{(2.8)\ Pw\ \pi^{1/2}}{Pf}$$

$$WLA = \frac{(Cr-Cu)\ Pf^{*}}{(2.8)\ Pw\ \pi^{1/2}}$$

Discharge from a canal:

$$\text{Critical Dilution} = \frac{(2.38)(Pw^{1/2})}{(Pf)^{1/2}}$$

$$WLA = \frac{(Cr-Cu)\ Pf^{1/2*}}{2.38\ Pw^{1/2}}$$

* Pf is set equal to the mixing zone distance specified in LAC 33:IX.1115 for the static water body type, i.e., lake, estuary, Gulf of Mexico, etc.

If a site specific dilution is used, WLA are calculated by subtracting Cu from Cr and dividing by the site specific dilution for human health and aquatic life criteria.

$$WLA = \frac{(Cr-Cu)}{\text{site specific dilution}}$$

Longterm Average Calculations:
LTAa = WLAa X 0.32
LTAc = WLAc X 0.53
LTAh = WLAh

WQBL Calculations:
Select most limiting LTA to calculate daily max and daily avg WQBL

If aquatic life LTA is more limiting:
Daily Maximum = Min(LTAa, LTAc) X 3.11
Daily Average = Min(LTAc, LTAc) X 1.31

If human health LTA is more limiting:
Daily Maximum = LTAh X 2.38
Daily Average = LTAh

Mass Balance Formulas:

mass (lbs/day): (ug/L) X 1/1000 X (flow, MGD) X 8.34 = lbs/day

$$\text{concentration(ug/L)}: \frac{\text{lbs/day}}{\text{(flow, MGD) X 8.34 X 1/1000}} = \text{ug/L}$$

The following is an explanation of the references in the spreadsheet.

(*1) Parameter being screened.
(*2) Instream concentration for the parameter being screened in ug/L. In the absence of accurate supporting data, the instream concentration is assumed to be zero (0).
(*3) Daily average effluent value in concentration units of ug/L or mass units of lbs/day. Units determined on a case-by-case basis as appropriate to the particular situation.
(*4) Daily maximum value in concentration units of ug/L or mass units of lbs/day. Units determined on a case-by-case basis as appropriate to the particular situation.
(*5) Minimum analytical Quantification Levels (MQL's). Established in a letter dated January 27, 1994 from Wren Stenger of EPA Region 6 to Kilren Vidrine of LDEQ and from the "Permitting Guidance Document for Implementing Louisiana Surface Water Quality Standards". The applicant must test for the parameter at a level at least as sensitive as the specified MQL. If this is not done, the MQL becomes the application value for screening purposes if the pollutant is suspected to be present on-site and/or in the waste stream. Units are in ug/l or lbs/day depending on the units of the effluent data.

(*6) States whether effluent data is based on 95th percentile estimation. A "1" indicates that a 95th percentile approximation is being used, a "0" indicates that no 95th percentile approximation is being used.

(*7) 95th percentile approximation multiplier (2.13). The constant, 2.13, was established in memorandum of understanding dated October 8, 1991 from Jack Ferguson of Region 6 to Jesse Chang of LDEQ and included in the "Permitting Guidance Document for Implementing Louisiana Surface Water Quality Standards". This value is screened against effluent Water Quality Based Limits established in columns (*18) - (*21). Units are in ug/l or lbs/day depending on the units of the measured effluent data.

(*8) LAC 33.IX.1113.C.6, Table 1, Numerical Criteria for Specific Toxic Substances, freshwater (FW) or marine water (MW) (whichever is applicable) aquatic life protection, acute criteria. Units are specified. Some metals are hardness dependent. The hardness of the receiving stream shall generally be used, however a flow weighted hardness may be determined in site-specific situations using the following formula: (Effluent Hardness X ZID Dilution + Receiving Stream Hardness X (1-ZID Dilution)). Dissolved metals are converted to Total metals using partition coefficients in accordance with the "Permitting Guidance Document for Implementing Louisiana Surface Water Quality Standards". Similar to hardness, the TSS of the receiving stream shall generally be used, however, a flow weighted TSS may be determined in site-specific situations using the following formula: (Effluent TSS X ZID Dilution + Receiving Stream TSS X (1-ZID Dilution)).

Hardness Dependent Criteria:

Metal	Formula
Cadmium	$e^{(1.1280[\ln(\text{hardness})] - 1.6774)}$
Chromium III	$e^{(0.8190[\ln(\text{hardness})] + 3.6880)}$
Copper	$e^{(0.9422[\ln(\text{hardness})] - 1.3884)}$
Lead	$e^{(1.2730[\ln(\text{hardness})] - 1.4600)}$
Nickel	$e^{(0.8460[\ln(\text{hardness})] + 3.3612)}$
Zinc	$e^{(0.8473[\ln(\text{hardness})] + 0.8604)}$

Dissolved to Total Metal Multipliers for Freshwater Streams (TSS dependent):

Metal	Multiplier
Arsenic	$1 + 0.48 \text{ X } TSS^{-0.73} \text{ X } TSS$
Cadmium	$1 + 4.00 \text{ X } TSS^{-1.13} \text{ X } TSS$
Chromium III	$1 + 3.36 \text{ X } TSS^{-0.93} \text{ X } TSS$
Copper	$1 + 1.04 \text{ X } TSS^{-0.74} \text{ X } TSS$
Lead	$1 + 2.80 \text{ X } TSS^{-0.80} \text{ X } TSS$
Mercury	$1 + 2.90 \text{ X } TSS^{-1.14} \text{ X } TSS$
Nickel	$1 + 0.49 \text{ X } TSS^{-0.57} \text{ X } TSS$
Zinc	$1 + 1.25 \text{ X } TSS^{-0.70} \text{ X } TSS$

Dissolved to Total Metal Multipliers for Marine Environments (TSS dependent):

Metal	Multiplier
Copper	$1 + (10^{4.86} \times TSS^{-0.72} \times TSS) \times 10^{-6}$
Lead	$1 + (10^{6.06} \times TSS^{-0.85} \times TSS) \times 10^{-6}$
Zinc	$1 + (10^{5.36} \times TSS^{-0.52} \times TSS) \times 10^{-6}$

If a metal does not have multiplier listed above, then the dissolved to total metal multiplier shall be 1.

(*9) LAC 33.IX.1113.C.6, Table 1, Numerical Criteria for Specific Toxic Substances, freshwater (FW) or marine water (MW) (whichever is applicable) aquatic life protection, chronic criteria. Units are specified. Some metals are hardness dependent. The hardness of the receiving stream shall generally be used, however a flow weighted hardness may be determined in site-specific situations using the following formula: (Effluent Hardness X MZ Dilution + Receiving Stream Hardness X (1-MZ Dilution)). Dissolved metals are converted to Total metals using partition coefficients in accordance with the "Permitting Guidance Document for Implementing Louisiana Surface Water Quality Standards". Similar to hardness, the TSS of the receiving stream shall generally be used, however, a flow weighted TSS may be determined in site-specific situations using the following formula: (Effluent TSS X MZ Dilution + Receiving Stream TSS X (1-MZ Dilution)).
Hardness dependent criteria:

Metal	Formula
Cadmium	$e^{(0.7852[\ln(hardness)] - 3.4900)}$
Chromium III	$e^{(0.8473[\ln(hardness)] + 0.7614)}$
Copper	$e^{(0.8545[\ln(hardness)] - 1.3860)}$
Lead	$e^{(1.2730[\ln(hardness)] - 4.7050)}$
Nickel	$e^{(0.8460[\ln(hardness)] + 1.1645)}$
Zinc	$e^{(0.8473[\ln(hardness)] + 0.7614)}$

Dissolved to total metal multiplier formulas are the same as (*8), acute numerical criteria for aquatic life protection.

(*10) LAC 33.IX.1113.C.6, Table 1, Numerical Criteria for Specific Toxic Substances, human health protection, drinking water supply (HHDW), non-drinking water supply criteria (HHNDW), or human health non-primarry contact recreation (HHNPCR) (whichever is applicable). A DEQ and EPA approved Use Attainability Analysis is required before HHNPCR is used, e.g., Monte Sano Bayou. Units are specified.

(*11) C if screened and carcinogenic. If a parameter is being screened and is carcinogenic a "C" will appear in this column.

(*12) Wasteload Allocation for acute aquatic criteria (WLAa). Dilution type WLAa is calculated in accordance with the "Permitting Guidance Document for Implementing Louisiana Surface Water Quality Standards". Negative values indicate that the receiving water is not meeting the acute aquatic numerical criteria for that parameter. Units are in ug/L.
Dilution WLAa formulas for streams:

$$WLAa = (Cr/\text{Dilution Factor}) - \frac{(Fs \times Qrc \times 0.6463 \times Cu)}{Qe}$$

Dilution WLAa formulas for static water bodies:
WLAa = (Cr-Cu)/Dilution Factor)
Cr represents aquatic acute numerical criteria from column (*8).
If Cu data is unavailable or inadequate, assume Cu=0

(*13) Wasteload Allocation for chronic aquatic criteria (WLAc). Dilution type WLAc is calculated in accordance with the "Permitting Guidance Document for Implementing Louisiana Surface Water Quality Standards". Negative values indicate that the receiving water is not meeting the chronic aquatic numerical criteria for that parameter. Units are in ug/L.
Dilution WLAc formula:

$$WLAc = (Cr/\text{Dilution Factor}) - \frac{(Fs \times Qrc \times 0.6463 \times Cu)}{Qe}$$

Dilution WLAc formulas for static water bodies:
WLAc = (Cr-Cu)/Dilution Factor)
Cr represents aquatic chronic numerical criteria from column (*9).
If Cu data is unavailable or inadequate, assume Cu=0

(*14) Wasteload Allocation for human health criteria (WLAh). Dilution type WLAh is calculated in accordance with the "Permitting Guidance Document for Implementing Louisiana Surface Water Quality Standards". Negative values indicate that the receiving water is not meeting the human health numerical criteria for that parameter. Units are in ug/L. Dilution WLAh formula:

$$WLAh = (Cr/\text{Dilution Factor}) - \frac{(Fs \times Qrc, Qrh \times 0.6463 \times Cu)}{Qe}$$

Dilution WLAh formulas for static water bodies:
WLAh = (Cr-Cu)/Dilution Factor)
Cr represents human health numerical criteria from column (*10).
If Cu data is unavailable or inadequate, assume Cu=0

(*15) Long Term Average for aquatic numerical criteria (LTAa). WLAa numbers are multiplied by a multiplier specified in the "Permitting Guidance Document for Implementing Louisiana Surface Water Quality Standards" which is 0.32. WLAa X 0.32 = LTAa

(*16) Long Term Average for chronic numerical criteria (LTAc). WLAc numbers are multiplied by a multiplier specified in the "Permitting Guidance Document for Implementing Louisiana Surface Water Quality Standards" which is 0.53. WLAc X 0.53 = LTAc

(*17) Long Term Average for human health numerical criteria (LTAh). WLAh numbers are multiplied by a multiplier specified in the "Permitting Guidance Document for Implementing Louisiana Surface Water Quality Standards" which is 1. WLAc X 1 = LTAh

(*18) Limiting Acute, Chronic or Human Health LTA's. The most limiting LTA is placed in this column. Units are consistent with the WLA calculation.

(*19) End of pipe Water Quality Based Limit (WQBL) maximum 30-day daily average in terms of concentration, ug/L. If aquatic life criteria was the most limiting LTA then the limiting LTA is multiplied by 1.31 to determine the average WQBL ($LTA_{\text{limiting aquatic}} \times 1.31 = WQBL_{\text{daily average}}$). If human health criteria was the most limiting criteria then $LTAh = WQBL_{\text{daily average}}$.

(*20) End of pipe Water Quality Based Limit (WQBL) 30-day daily maximum in terms of concentration, ug/L. If aquatic life criteria was the most limiting LTA then the limiting LTA is multiplied by 3.11 to determine

the daily maximum WQBL ($LTA_{limiting\ aquatic}$ X 3.11 = $WQBL_{daily\ max}$). If human health criteria was the most limiting criteria then LTAh is multiplied by 2.38 to determine the daily maximum WQBL ($LTA_{limiting\ aquatic}$ X 2.38 = $WQBL_{daily\ max}$).

(*21) End of pipe Water Quality Based Limit (WQBL) maximum 30-day daily average in terms of mass, lbs/day. The mass limit is determined by using the mass balance equations above. Daily average WQBL, ug/l/1000 X facility flow, MGD X 8.34 = daily average WQBL, lbs/day.

(*22) End of pipe Water Quality Based Limit (WQBL) 30 day daily maximum in terms of mass, lbs/day. Mass limit is determined by using the mass balance equations above. Daily maximum WQBL, ug/l/1000 X facility flow, MGD X 8.34 = daily maximum WQBL, lbs/day.

(*23) Indicates whether the screened effluent value(s) need water quality based limits for the parameter of concern. A "yes" indicates that a water quality based limit is needed in the permit; a "no" indicates the reverse.