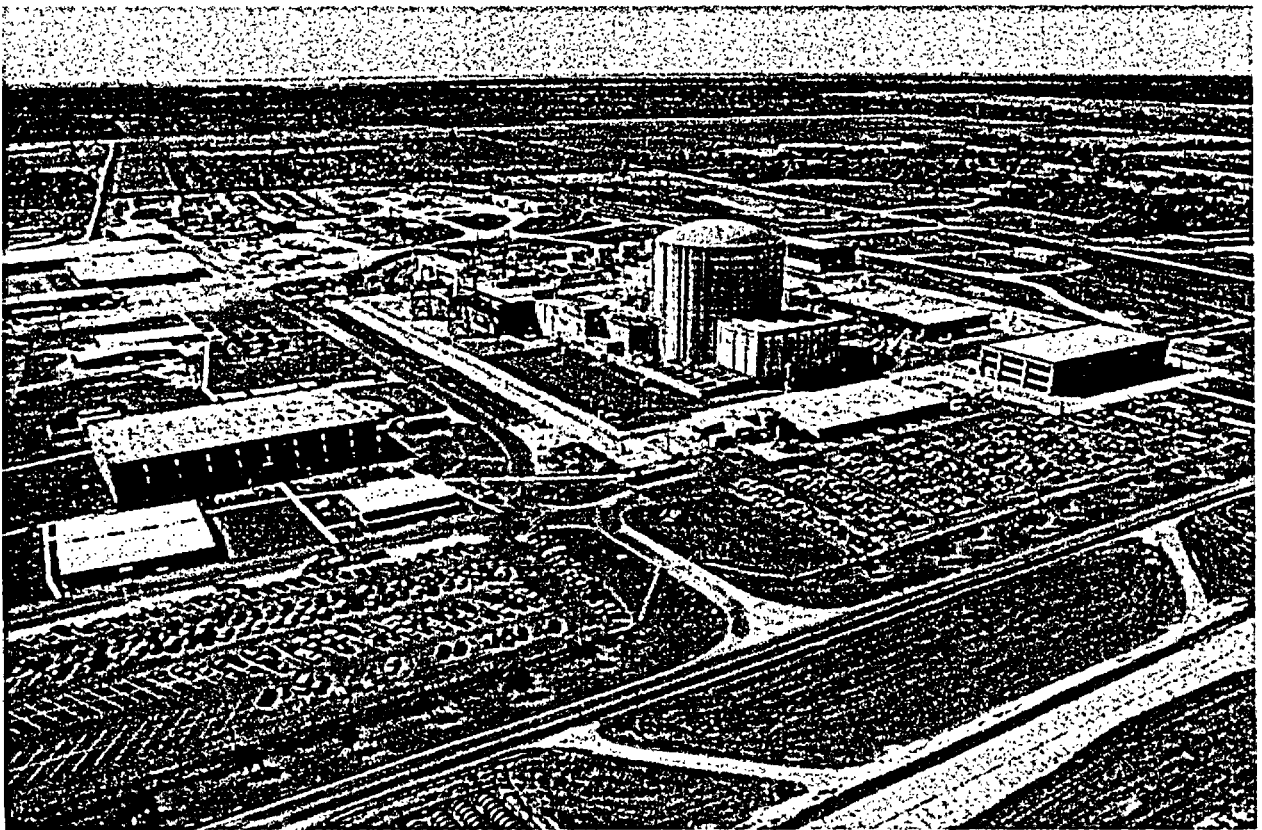




**Renewal Application  
For Permit LA0007374**



**Waterford 3 Steam Electric Station  
Entergy Operations, Inc.**

## INDEX OF APPLICATION

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# Plant Narrative

## 1.0 INTRODUCTION

The Waterford 3 Generating Plant, located in Killona, Louisiana, is owned by Entergy Louisiana, Inc. and operated by Entergy Operations, Inc., a subsidiary of Entergy Corporation. The plant is located on Louisiana Highway 18, River Road in St. Charles Parish at 17265 River Road, Killona, Louisiana, 70057 on the south bank of the Mississippi River at mile maker 129.6 AHP, at latitude 29° 59' 55''N, longitude 90° 28' 20''E, and consists of a 436 acre plot of ground. The plant's topography, except for the levee along the Mississippi River, is generally flat with an elevation of 8 to 16 feet above mean sea level (MSL).

The Waterford 3 Plant has been in operation since March 4, 1985. Electricity is generated using a pressurized water reactor and steam turbine with a maximum generating capacity of 1,104 megawatts (MW). The primary fuel source for the unit is enriched Uranium-235. Waterford 3's condenser cooling water is provided by the Mississippi River via four 96-inch diameter pipelines. Upon entering the plant, the Mississippi River water is used as cooling water which is circulated through condenser tubes for each turbine to remove process heat. The facility may treat the cooling water from the Mississippi River for macro and microbiological fouling using sodium hypochlorite and sodium bromide, and for silt dispersion, a polyacrylate and a polymeric dispersant when the unit is operating.

The following figures, forms and other required information are included in this permit renewal application:

- Figure 1 - Site Location Map
- Figure 2 - Outfall Location Map
- Figure 3 - Water Flow Diagram
- Appendix A - EPA Form 1
- Appendix B - EPA Form 2C
- Appendix C - EPA Form 2F
- Appendix D - Environmental Impact Questions (Section IV of SCC-2)
- Appendix E - Addendum to Permit Applications per LAC 33:I.1701
- Appendix F - W3 Zebra Mussel Treatment Plan
- Appendix G - Material Safety Data Sheets



## **2.0 EPA FORM 2C SPECIAL NOTES**

Even though EPA Form 2C information is provided for each outfall, there were some internal outfalls that were not sampled for purposes of the permit renewal application process. A discussion of these internal outfalls and reasons for not sampling are discussed below.

### **Internal Outfall 204 (Vehicle Wash Wastewater)**

Discharges from this outfall have been intermittent and infrequent. Since April 1999 through June 2003, there has only been seven months where there was an actual discharge from this outfall and no discharges have occurred from October 2000 through June 2003. In addition, there has been no change in the characterization of this wastewater stream. Therefore, the EPA Form 2C for this outfall only includes pollutants that were routinely analyzed as required by LPDES Permit LA0007374. All other pollutants on the EPA Form 2C were either marked "Believed Absent" or "Believed Present".

### **Internal Outfall 301 (Filter Flush System)**

Discharges from this outfall have been intermittent and infrequent. There was one discharge from this outfall during 2001, two in 2002, and two in 2003 as of August 1, 2003. Although this system is still in place at Waterford 3, it is currently not being utilized and no water treatment chemicals are added. Therefore, the data contained in the EPA Form 2C for this outfall is based on information previously submitted in the last permit renewal application.

### **Internal Outfall 501 (Auxiliary Component Cooling Water Basin A)**

There have been no discharges from this outfall since the Permit was issued in 1999. In addition, there has been no change in the characterization of this wastewater stream or in the water treatment chemicals currently utilized in this system. Therefore, the data contained in the EPA Form 2C for this outfall is based on information previously submitted in the last permit renewal application.

### **Internal Outfall 601 (Auxiliary Component Cooling Water Basin B)**

There have been no discharges from this outfall since the Permit was issued in 1999. In addition, there has been no change in the characterization of this wastewater stream or in the water treatment chemicals currently utilized in this system. Therefore, the data contained in the EPA Form 2C for this outfall is based on information previously submitted in the last permit renewal application.

### **Outfall 901 (Metal Cleaning Wastewater)**

Discharges from this outfall have been intermittent and infrequent. Since November 2000, there has only been three months where there was an actual discharge from this outfall and no discharges have occurred since January 2001. In addition, there has been

no change in the characterization of this wastewater stream. Therefore, the EPA Form 2C for this outfall only includes pollutants that were routinely analyzed as required by LPDES Permit LA0007374. All other pollutants on the EPA Form 2C were either marked "Believed Absent" or "Believed Present".

### 3.0 OUTFALL DESCRIPTIONS

#### External Outfall 001 (Once-Through Cooling Water)

1. Description - continuous once-through cooling water obtained from the Mississippi River which flows through the main condenser, steam generator blowdown heat exchangers and turbine building closed cooling water heater exchanger, and previously monitored Outfalls 101, 104, 201, 301, 401, 501, 601, 701, 801 and 901.
2. Wastewater Sources - Mississippi River intake water.
3. Discharge Paths - continuous to Mississippi River.
4. Treatments - intake screening, discharge to surface waters, and when required, chlorination, mussels treatment and dispersant/polymer.
5. Maximum 30-Day Flow Value - 1,471 MGD.
6. Flow Measurements – pump curves or calculated using appropriate heat balance methodology (unable to record flow continuously, therefore pump curves or heat balance calculations are used to determine flow).
7. Temperature Measurements - continuous record at main condenser water boxes.
8. Heat Measurements - continuous record, determined from electrical generation and temperature at the main condenser water boxes.
9. Potential Chemicals, or Equivalents, in Wastewater:
  - Chlorine (macrofouling)
  - Clam-Trol CT-2 (macrofouling)
  - DTG (Clay) (detoxification)
  - EC-220 (anti-defoamer)
  - EVAC Biocide (macrofouling)
  - PCL-401 (dispersant)
  - Sodium Bisulfite (dechlorination)
  - Sodium Hypochlorite (biological control)
  - Thruguard 710 (corrosion inhibitor)
  - Towerbrom 960 (biocide)

### **External Outfall 004 (Stormwater Runoff)**

1. Description - drainage ditch for receiving plant stormwater runoff, and previously monitored Outfalls 104, 204, 701 and 801. Outfall 004 may be an optional discharge path for Outfalls 104, 701 and 801 during outage maintenance activities.
2. Wastewater Sources - stormwater runoff, Mississippi River surface water, reverse osmosis reject water, demineralized water, fire water system (potable water), air conditioning condensate, and other low volume wastewaters as defined in 40CFR423.
3. Discharge Paths - intermittent to plant drainage ditch and then to 40 Arpent Canal.
4. Treatments - oily water separation and sedimentation.
5. Maximum 30-Day Flow Value - 17.9339 MGD.
6. Flow Measurements - estimated using surface area calculation.
7. Potential Chemicals, or Equivalents, in Wastewater:
  - Alki Clean-S (cooling system cleaning)
  - Aquatreat DNM-9 (biocide)
  - Arsenal 240A/LAG (herbicide)
  - Bio Treat 183 (biocide)
  - Bio Treat 186 (biocide)
  - Bio Treat 189 (biocide)
  - Ceco 350-L (corrosion inhibitor)
  - Ceco 1288 (corrosion inhibitor)
  - Ceco-Cide BG-T (biocide)
  - Cecotrol 1284 (biocide)
  - Coolite 118 (scale and corrosion inhibitor)
  - Cornite L (corrosion control)
  - Hydrogen Peroxide (oxidizing agent)
  - Oust (herbicide)
  - Sodium Bisulfite (dechlorination)
  - Sodium Hydroxide (pH control)
  - Sodium Hypochlorite (biological control)
  - Towerbrom 90M (biocide)
  - Towerpro (biocide)

### **External Outfall 005 (Energy Education Center Sewage Treatment Plant)**

1. Description - sewage treatment plant for the Energy Education Center which is used for training and recreational purposes, and emergency operations.
2. Wastewater Sources - sewage effluent wastewaters and other low volume wastewaters as defined in 40CFR423.
3. Discharge Paths – intermittent to 40 Arpent Canal.
4. Treatments - anaerobic digestion, aerobic digestion, screening, flotation, sedimentation and disinfection.
5. Maximum 30-Day Flow Value - 0.01065 MGD.
6. Flow Measurements - continuous record using a pump curve.
7. Potential Chemicals, or Equivalents, in Wastewater:
  - Alki Clean-S (cooling system cleaning)
  - Aquatreat DNM-9 (biocide)
  - Arsenal 240A/LAG (herbicide)
  - Bio Treat 183 (biocide)
  - Bio Treat 186 (biocide)
  - Bio Treat 189 (biocide)
  - Ceco 350-L (corrosion inhibitor)
  - Ceco 1288 (corrosion inhibitor)
  - Ceco-Cide BG-T (biocide)
  - Cecotrol 1284 (biocide)
  - Chlorine Tablets (disinfection)
  - Coolite 118 (scale and corrosion inhibitor)
  - Cornite L (corrosion control)
  - Soda Ash (pH control)
  - Towerbrom 90M (biocide)
  - Towerpro (biocide)

### **Internal Outfall 101 (Liquid Waste Management System)**

1. Description - waste management system which concentrates and removes radioactive pollutants through treatment methods prior to discharging.
2. Wastewater Sources - wastewaters from the turbine and reactor building equipment and floor drains, primary plant water makeup, laboratory drains and other low volume wastewaters as defined in 40CFR423.

3. Discharge Paths - intermittent to circulating water system and then to Mississippi River.
4. Treatments - filter/screening, cationic and anionic polymer injection, ion exchange, and when required, neutralization/pH adjustment and/or distillation.
5. Maximum 30-Day Flow Value - 0.0134 MGD.
6. Flow Measurements - estimated using totalized batch/tank strapping.
7. Potential Chemicals, or Equivalents, in Wastewater:
  - Boric Acid (reactivity control)
  - CL-50 (Tolytriazole) (corrosion inhibitor)
  - CL-103 (deposit penetrant)
  - CL-363 (deposit penetrant)
  - EC-220 (anti-defoamer)
  - H-550 (microbiocide)
  - Hydrogen Peroxide (oxidizing agent)
  - LCS-1200 (corrosion inhibitor)
  - Lithium Hydroxide (pH and corrosion control)
  - Nalco 7330 (microbiocide)
  - PCL-16M (corrosion control)
  - PCL-361 (penetrant)
  - PCL-401 (dispersant)
  - Sodium Hydroxide (pH control)
  - Sodium Molybdate (corrosion control)
  - Sodium Nitrite (corrosion control)
  - Sodium Tetraborate Decahydrate (corrosion control)
  - Sulfuric Acid (pH control)
  - Zinc Acetate (corrosion inhibitor)

**Internal Outfall 104 (Yard Oil Separator)**

1. Description – Yard oily water separator for receiving plant wastewaters contaminated with oily wastes and other low volume wastewaters.
2. Wastewater Sources – secondary system drains, system leakage, auxiliary boiler blowdown, auxiliary boiler sumps, turbine building equipment and floor drains, laboratory drains, turbine building floor wash downs, stormwater and other low volume wastewaters as defined in 40CFR423.

3. Discharge Paths – intermittent at the following locations:
  - Circulating water system and then to Mississippi River.
  - Plant drainage ditch and then to stormwater Outfall 004.
4. Treatments – sedimentation, flotation, oily water separation, and when required, polymer injection, pH adjustment, flocculation and filtration.
5. Maximum 30-Day Flow Value – 0.1350 MGD.
6. Flow Measurements – estimated using a totalized magnetic or  $\Delta P$  flow meter, or pump curves.
7. Potential Chemicals, or Equivalents, in Wastewater:
  - Alum (flocculate)
  - Ammonium Hydroxide (pH control)
  - Boric Acid (reactivity control)
  - Cat Flocc T (flocculate)
  - Caustic Soda (pH control)
  - CC10801 (dispersant)
  - CL-50 (Tolytriazole) (corrosion inhibitor)
  - CL-103 (deposit penetrant)
  - CL-363 (deposit penetrant)
  - EC-220 (anti-defoamer)
  - Elimin-Ox Oxygen Scavenger (oxygen control)
  - H-550 (microbiocide)
  - Hydrazine (oxygen scavenger)
  - LCS-1200 (corrosion inhibitor)
  - Morpholine (corrosion control)
  - Nalco 7330 (microbiocide)
  - PCL-16M (corrosion control)
  - PCL-361 (penetrant)
  - PCL-401 (dispersant)
  - Poly Aluminum Chloride (flocculate)
  - Pre-Tect 2000 (corrosion inhibitor)
  - Pre-Tect 7000 (Ethanolamine) (corrosion inhibitor)

- Pre-Tect 9002 (corrosion inhibitor)
- Sodium Hydroxide (pH control)
- Sodium Molybdate (corrosion control)
- Sodium Nitrite (corrosion control)
- Sodium Tetraborate Decahydrate (corrosion control)
- Sulfuric Acid (pH control)

**Internal Outfall 201 (Boron Management System)**

1. Description - boron management system which concentrates and recovers boron for reuse within the plant or release.
2. Wastewater Sources - wastewaters from the turbine and reactor building equipment and floor drains, primary plant water makeup, laboratory drains and other low volume wastewaters as defined in 40CFR423.
3. Discharge Paths - intermittent to circulating water system and then to Mississippi River.
4. Treatments - filter/screening, ion exchange, and when required, neutralization/pH adjustment and/or distillation.
5. Maximum 30-Day Flow Value - 0.0126 MGD.
6. Flow Measurements - estimated using totalized batch/tank strapping.
7. Potential Chemicals, or Equivalents, in Wastewater:
  - Boric Acid (reactivity control)
  - CL-50 (Tolytriazole) (corrosion inhibitor)
  - CL-103 (deposit penetrant)
  - CL-363 (deposit penetrant)
  - EC-220 (anti-defoamer)
  - H-550 (microbiocide)
  - Hydrogen Peroxide (oxidizing agent)
  - LCS-1200 (corrosion inhibitor)
  - Lithium Hydroxide (pH and corrosion control)
  - Nalco 7330 (microbiocide)
  - PCL-16M (corrosion control)
  - PCL-361 (penetrant)
  - PCL-401 (dispersant)
  - Sodium Hydroxide (pH control)

- Sodium Molybdate (corrosion control)
- Sodium Nitrite (corrosion control)
- Sodium Tetraborate Decahydrate (corrosion control)
- Sulfuric Acid (pH control)
- Zinc Acetate (corrosion inhibitor)

**Internal Outfall 204 (Vehicle Wash Wastewater)**

1. Description – vehicle wash area.
2. Wastewater Sources – vehicle wash wastewater.
3. Discharge Paths - intermittent to plant drainage ditch and then to 40 Arpent Canal.
4. Treatments - oily water separation and sedimentation.
5. Maximum 30-Day Flow Value - 0.0004 MGD.
6. Flow Measurements - estimated using a totalized magnetic flow meter.
7. Potential Chemicals, or Equivalent, in Wastewater:
  - Cat Flocc T (flocculate)
  - ZEP Formula 6352
  - ZEP XT-900
  - ZEP XT-1398

**Internal Outfall 301 (Filter Flush System)**

1. Description - primary water treatment system which filters river water for various plant uses. The filters are flushed with raw river water to remove solids trapped in the filter beds.
2. Wastewater Sources - primary water treatment system and other low volume wastewaters as defined in 40CFR423.
3. Discharge Paths - intermittent to circulating water system and then to Mississippi River.
4. Treatments - filter/screening, separation and when required, polymer injection.
5. Maximum 30-Day Flow Value - 0.0001 MGD.
6. Flow Measurements - estimated using a totalized magnetic flow meter.
7. Potential Chemicals, or Equivalent, in Wastewater:
  - Cat Flocc T (flocculate)



### **Internal Outfall 401 (Low Volume Wastewater)**

1. Description – low volume wastewaters and metal cleaning wastewaters.
2. Wastewater Sources – steam generator/boiler blowdown and other low volume wastewaters as defined in 40CFR423.
3. Discharge Paths – intermittent at the following locations:
  - Circulating water system and then to Mississippi River.
  - Regenerative sump and then to Waterford 1 & 2 low volume waste treatment facility.
4. Treatments – filtration, ion exchange and when required, neutralization/pH adjustment.
5. Maximum 30-Day Flow Value – 0.0522 MGD.
6. Flow Measurements – totalized using batch/tank strapping.
7. Potential Chemicals, or Equivalents, in Wastewater:
  - Ammonium Hydroxide (pH control)
  - Boric Acid (reactivity control)
  - Caustic Soda (pH control)
  - Elimin-Ox Oxygen Scavenger (oxygen control)
  - Hydrazine (oxygen scavenger)
  - Morpholine (corrosion control)
  - Pre-Tect 2000 (corrosion inhibitor)
  - Pre-Tect 7000 ((Ethanolamine) (corrosion inhibitor)
  - Pre-Tect 9002 (corrosion inhibitor)
  - Sodium Phosphate (corrosion control)
  - Sulfuric Acid (pH control)

### **Internal Outfall 501 (Auxiliary Component Cooling Water Basin A)**

1. Description – basins containing auxiliary component cooling water for plant systems.
2. Wastewater Sources – auxiliary component cooling water, component cooling water, Mississippi River water and stormwater runoff.
3. Discharge Paths – intermittent to circulating water system and then to Mississippi River.

4. Treatments - sedimentation and when required, pH adjustment, side stream ionization and filtration.
5. Maximum 30-Day Flow Value - 0.26 MGD.
6. Flow Measurements - estimated using basin level readings.
7. Potential Chemicals, or Equivalents, in Wastewater:
  - B-G Tower Chlor Tablets (biocide)
  - CL-50 (Tolytriazole) (corrosion inhibitor)
  - CL-103 (deposit penetrant)
  - CL-363 (deposit penetrant)
  - EC-220 (anti-defoamer)
  - H-130 (microbiocide)
  - H-133A (microbiocide)
  - H-550 (microbiocide)
  - H-940 (microbiocide)
  - Hydrogen Peroxide (oxidizing agent)
  - LCS-1200 (corrosion inhibitor)
  - MC-140 (chelating agent)
  - Nalco 7330 (microbiocide)
  - PCL-16M (corrosion control)
  - PCL-50 (corrosion inhibitor)
  - PCL-361 (penetrant)
  - PCL-401 (dispersant)
  - Sodium Bisulfite (dechlorination)
  - Sodium Hydroxide (pH control)
  - Sodium Hypochlorite (biological control)
  - Sodium Molybdate (corrosion control)
  - Sodium Phosphate (corrosion control)
  - Sodium Tetraborate Decahydrate (corrosion control)
  - Sulfuric Acid (pH control)
  - Towerbrom 960 (biocide)
  - Towerchlor (biocide)
  - TRC-256 (corrosion inhibitor)

### **Internal Outfall 601 (Auxiliary Component Cooling Water Basin B)**

1. Description - basins containing auxiliary component cooling water for plant systems.
2. Wastewater Sources - auxiliary component cooling water, component cooling water, Mississippi River water and stormwater runoff.
3. Discharge Paths - intermittent to circulating water system and then to Mississippi River.
4. Treatments - sedimentation and when required, pH adjustment, side stream ionization and filtration.
5. Maximum 30-Day Flow Value - 0.26 MGD.
6. Flow Measurements - estimated using basin level readings.
7. Potential Chemicals, or Equivalents, in Wastewater:
  - B-G Tower Chlor Tablets (biocide)
  - CL-50 (Tolytriazole) (corrosion inhibitor)
  - CL-103 (deposit penetrant)
  - CL-363 (deposit penetrant)
  - EC-220 (anti-defoamer)
  - H-130 (microbiocide)
  - H-133A (microbiocide)
  - H-550 (microbiocide)
  - H-940 (microbiocide)
  - Hydrogen Peroxide (oxidizing agent)
  - LCS-1200 (corrosion inhibitor)
  - MC-140 (chelating agent)
  - Nalco 7330 (microbiocide)
  - PCL-16M (corrosion control)
  - PCL-50 (corrosion inhibitor)
  - PCL-361 (penetrant)
  - PCL-401 (dispersant)
  - Sodium Bisulfite (dechlorination)
  - Sodium Hydroxide (pH control)
  - Sodium Hypochlorite (biological control)

- Sodium Molybdate (corrosion control)
- Sodium Phosphate (corrosion control)
- Sodium Tetraborate Decahydrate (corrosion control)
- Sulfuric Acid (pH control)
- Towerbrom 960 (biocide)
- Towerchlor (biocide)
- TRC-256 (corrosion inhibitor)

**Internal Outfall 701 (Dry Cooling Tower Sump #1)**

1. Description - sumps used primarily for collection of stormwater.
2. Wastewater Sources - stormwater runoff, wet cooling tower leakage and blowdown, auxiliary component cooling water, component cooling water and other low volume wastewaters as defined in 40CFR423.
3. Discharge Paths - intermittent at the following locations:
  - Circulating water system and then to Mississippi River.
  - Plant drainage ditches and then to stormwater Outfall 004.
4. Treatments - sedimentation and when required, pH adjustment, side stream ionization and filtration.
5. Maximum 30-Day Flow Value – 0.0425 MGD.
6. Flow Measurements - estimated using a totalized magnetic or  $\Delta P$  flow meter, or pump curves.
7. Potential Chemicals, or Equivalents, in Wastewater:
  - B-G Tower Chlor Tablets (biocide)
  - CL-50 (Tolytriazole) (corrosion inhibitor)
  - CL-103 (deposit penetrant)
  - CL-363 (deposit penetrant)
  - EC-220 (anti-defoamer)
  - H-130 (microbiocide)
  - H-133A (microbiocide)
  - H-550 (microbiocide)
  - H-940 (microbiocide)
  - Hydrogen Peroxide (oxidizing agent)

- LCS-1200 (corrosion inhibitor)
- MC-140 (chelating agent)
- Nalco 7330 (microbiocide)
- PCL-16M (corrosion control)
- PCL-50 (corrosion inhibitor)
- PCL-361 (penetrant)
- PCL-401 (dispersant)
- Sodium Bisulfite (dechlorination)
- Sodium Hydroxide (pH control)
- Sodium Hypochlorite (biological control)
- Sodium Molybdate (corrosion control)
- Sodium Phosphate (corrosion control)
- Sodium Tetraborate Decahydrate (corrosion control)
- Sulfuric Acid (pH control)
- Towerbrom 960 (biocide)
- Towerchlor (biocide)
- TRC-256 (corrosion inhibitor)

**Internal Outfall 801 (Dry Cooling Tower Sump #2)**

1. Description – sumps used primarily for collection of stormwater.
2. Wastewater Sources – stormwater runoff, wet cooling tower leakage and blowdown, auxiliary component cooling water, component cooling water and other low volume wastewaters as defined in 40CFR423.
3. Discharge Paths – intermittent at the following locations:
  - Circulating water system and then to Mississippi River.
  - Plant drainage ditches and then to stormwater Outfall 004.
4. Treatments - sedimentation and when required, pH adjustment, side stream ionization and filtration.
5. Maximum 30-Day Flow Value – 0.0545 MGD.

6. Flow Measurements - estimated using a totalized magnetic or  $\Delta P$  flow meter, or pump curves.
7. Potential Chemicals, or Equivalents, in Wastewater:
  - B-G Tower Chlor Tablets (biocide)
  - CL-50 (Tolytriazole) (corrosion inhibitor)
  - CL-103 (deposit penetrant)
  - CL-363 (deposit penetrant)
  - EC-220 (anti-defoamer)
  - H-130 (microbiocide)
  - H-133A (microbiocide)
  - H-550 (microbiocide)
  - H-940 (microbiocide)
  - Hydrogen Peroxide (oxidizing agent)
  - LCS-1200 (corrosion inhibitor)
  - MC-140 (chelating agent)
  - Nalco 7330 (microbiocide)
  - PCL-16M (corrosion control)
  - PCL-50 (corrosion inhibitor)
  - PCL-361 (penetrant)
  - PCL-401 (dispersant)
  - Sodium Bisulfite (dechlorination)
  - Sodium Hydroxide (pH control)
  - Sodium Hypochlorite (biological control)
  - Sodium Molybdate (corrosion control)
  - Sodium Phosphate (corrosion control)
  - Sodium Tetraborate Decahydrate (corrosion control)
  - Sulfuric Acid (pH control)
  - Towerbrom 960 (biocide)
  - Towerchlor (biocide)
  - TRC-256 (corrosion inhibitor)

### **Internal Outfall 901 – Mobile (Metal Cleaning Wastewaters)**

1. Description – metal cleaning wastewaters generated from cleaning processes of internal components of plant equipment.
2. Wastewater Sources – cleaning washes/rinses of steam generator, cooling water heat exchangers/piping, plant equipment components and other metal cleaning wastewaters as defined in 40CFR423.
3. Discharge Paths - intermittent at Outfall 901 to the circulating water system and then to the Mississippi River.
4. Treatments - chemical precipitation, distillation, sedimentation, and when required, pre-aeration, flocculation, neutralization/pH adjustment and/or ion exchange.
5. Maximum 30-Day Flow Value – 0.0243 MGD.
6. Flow Measurements - estimated using totalized batch/tank strapping.
7. Potential Chemicals, or Equivalents, in Wastewater:
  - Alum (flocculate)
  - Ammonium Carbonate (chemical cleaning)
  - Ammonium Hydroxide (pH control)
  - Cat Flocc T (flocculate)
  - Caustic Soda (pH control)
  - CC10801 (dispersant)
  - Citric Acid (chemical cleaning)
  - Cleaning Agent M69 (chemical cleaning)
  - Copper Passivating Agent M276 (chemical cleaning)
  - Copper Solvent Concentrate (chemical cleaning)
  - Corrosion Inhibitor A251 (chemical cleaning)
  - Dimethylamine Hydrochloride (chemical cleaning)
  - Ethylenediamine (chemical cleaning)
  - Ferric Ion Corrosion-Control Agent M238 (chemical cleaning)
  - Hydrazine (oxygen scavenger)
  - Hydrogen Peroxide (oxidizing agent)
  - Iron Solvent Concentrate (chemical cleaning)
  - Liquid Passivating Agent M240 (chemical cleaning)
  - Poly Aluminum Chloride (flocculate)
  - Sodium Hydroxide (pH control)

- Sodium Tripolyphosphate (chemical cleaning)
- Sulfuric Acid (pH control and chemical cleaning)
- Surfactant F57 (chemical cleaning)
- Versene Diammonium EDTA Chelating Agent (chemical cleaning)
- Vertan 700 Chelant V700 (chemical cleaning)

#### **4.0 WASTEWATER RELATED INFORMATION**

##### **Significant Materials**

Significant materials utilized at Waterford 3 (W3) are stored in such a manner as to minimize impact to stormwater runoff. W3 has also implemented additional measures such as housekeeping, preventative maintenance, spill prevention, erosion control, runoff management and training to further minimize impact to stormwater runoff.

Bulk storage tank areas exposed to weather conditions that contain fuel oils, gasoline and used oil are located within concrete secondary containment structures. Bulk storage tank areas not exposed to weather conditions that contain fuel oils and lube oils are located within covered concrete building structures. Hazardous and nonhazardous wastes are stored under roof inside a storage building provided with curbing. Water treatment chemicals are generally stored under roof inside a storage building provided with curbing.

##### **Structural Controls**

Structural controls utilized to minimize the potential for stormwater contamination include containment dikes/berms around significant materials handling areas and storage areas. Sloping and grading of roads and lands is utilized to direct stormwater runoff to storm drains or drainage ditches. The facility employs numerous operational practices to avoid and/or contain potential leaks or spills. W3 has no hazardous waste treatment or disposal units.

##### **Water Treatment Chemicals**

W3 will utilize zinc injection in the primary coolant system as a corrosion inhibitor and for plant radiation dose rate reduction purposes. This process has been rigorously tested and studied at foreign and domestic nuclear reactor facilities and has been found to be beneficial, reducing Alloy 600 corrosion and worker radiation exposures. Zinc is typically maintained below a concentration of 40 ppb in pressurized water reactor coolant systems. Wastewater letdown from the primary coolant system will be processed through purification ion exchangers and then via the Boron Management System effectively removing the zinc prior to discharging via Outfall 201. Wastewater from primary coolant system maintenance draining will be processed via the Liquid Waste Management System prior to discharging via Outfall 101.

Water treatment chemicals currently in use or proposed for use at the site are utilized for neutralization, to enhance removal of impurities, and to inhibit scaling, fouling and corrosion. A Material Safety Data Sheet for each water treatment chemical is included in Appendix G.



### Herbicides/Pesticides

Commercially approved herbicides are applied by a contractor on an as-needed-basis to control weeds and vegetation. Pesticides are applied inside buildings by a contractor but are not exposed to stormwater. Fertilizers or soil conditioners are not used at W3.

### Zebra Mussel Treatment

W3 treats the circulating water system as needed to eradicate the infestation of zebra mussels. This treatment process is procedurally controlled to ensure that no residual chemical is discharged to the Mississippi River. A copy of this treatment plan is included in Appendix F to this application.

### Biological Toxicity Testing

Annual biological toxicity testing has been required at Outfall 001 (Once-Through Non-Contact Cooling Water) since the permit was renewed in 1999. Results of this testing are shown below.

<b>Outfall 001 Biological Toxicity Testing</b>				
<b>Date</b>	<b><i>Daphnia pulex</i></b>		<b><i>Pimephales Promelas</i></b>	
	<b>Survival NOEC</b>	<b>Reproduction NOEC</b>	<b>Survival NOEC</b>	<b>Growth NOEC</b>
November 1999	>53%	>53%	>53%	>53%
January 2000	>53%	>53%	>53%	>53%
January 2001	>53%	>53%	>53%	>53%
January 2002	>56%	>56%	>56%	>56%
January 2003	>56%	>56%	>56%	>56%

The NOEC values are the highest concentration of effluent to which organisms are exposed that causes no statistically significant adverse effect (i.e., toxicity) in comparison with the control. Testing is performed on concentrations of 56%, 42%, 32%, 24% and 18% as required in Waterford 3's LPDES Permit LA0007374. Passing is considered a test that does not exhibit toxicity at the critical low-flow dilution of 42%. All tests indicated above passed.

## 5.0 REQUESTED CHANGES

Waterford 3 is making the following requests:

### ➤ Boron Monitoring

Delete the boron monitoring requirements associated with External Outfall 001 (Once-Through Cooling Water), Internal Outfall 101 (Liquid Waste Management System) and Internal Outfall 201 (Boron Management System). Currently, boron concentrations are required to be calculated in the final discharge of Outfall 001 based on discharges from Outfalls 101 and 201. Calculated concentrations since January 2000, ranged from 0.002 – 0.143 ppm. In addition, boron is not utilized as a water treatment chemical but instead is used for controlling the nuclear fission process that is regulated by the Nuclear Regulatory Commission (NRC).

During the licensing process of the facility, Entergy and the Nuclear Regulatory Commission assessed the environmental impacts from the operation of Waterford 3 prior to start-up. These results are published in NUREG-0779, Final Environmental Statement Related to the Operation of Waterford Steam Electric Station, Unit No. 3 (September 1981). Based on Section 5.3.3 (Water Quality Impacts) of NUREG-0779, it was concluded by the NRC that for turbid waters 5600 ppm of boric acid or 3600 ppm of sodium borate were needed to kill 50 percent of test mosquito-fish in 96 hours. Based on the calculated maximum result of 0.143 ppm, concentrations in the Outfall 001 final discharge are well below that described in NUREG-0779. Therefore, eliminating the boron requirement will not adversely affect the water quality of the Mississippi River, as was also concluded by the NRC in NUREG-0779.

### ➤ Internal Outfall 204 (Vehicle Wash Wastewater)

The facility installed a new car wash system that discharges into the same drainage ditch, approximately one hundred yards south of the previous outfall location, in September 2003. W3 no longer utilizes the previously identified outfall location in LPDES Permit LA0007374. Sampling and monitoring for this outfall will take place at the new car wash system discharge point. Therefore, W3 requests that the new car wash system discharge replace the previous wash area as Internal Outfall 204.

### ➤ Total Organic Carbon

Reduce the total organic carbon (TOC) monitoring frequency at Internal Outfalls 701 (Dry Cooling Tower Sump 1) and 801 (Dry Cooling Tower Sump 2) from monthly to quarterly since the TOC requirement is associated with stormwater. Since the stormwater monitoring frequency is typically quarterly and W3 has not experienced an exceedance on this parameter since the Permit was last issued, water quality will not be compromised.

Figure 1  
(Site Map)







Figure 2  
(Outfall Map)

**THIS PAGE IS AN  
OVERSIZED  
DRAWING OR  
FIGURE,**

**THAT CAN BE VIEWED AT  
THE RECORD TITLED:**

**"NPDES OUTFALL  
LOCATIONS"**

**WITHIN THIS PACKAGE..**

**D-01**

Figure 3  
(Water Flow Diagram)

**THIS PAGE IS AN  
OVERSIZED  
DRAWING OR  
FIGURE,**

**THAT CAN BE VIEWED AT  
THE RECORD TITLED:**

**"WATERFORD 3 SES  
SCHEMATIC OF WATER FLOW "**

**WITHIN THIS PACKAGE..**

**D-02**



Appendix A  
(EPA Form 1)

Please print or type in the unshaded areas only

Form <b>1</b> General		<b>EPA</b> U.S. ENVIRONMENTAL PROTECTION AGENCY GENERAL INFORMATION CONSOLIDATED PERMITS PROGRAM (Read the "General Instructions" before starting)				I. EPA ID Number S F 1 2				T/A C D 13 14 15					
LABEL ITEMS I. EPA ID NUMBER III. FACILITY NAME V. FACILITY MAILING ADDRESS VI. FACILITY LOCATION		PLEASE PLACE LABEL IN THIS SPACE LA0007374 Waterford 3 Steam Electric Station 17265 River Road Killona, LA 70057 Killona, LA				GENERAL INSTRUCTIONS									
II. POLLUTANT CHARACTERISTICS INSTRUCTIONS: Complete A through J to determine whether you need to submit any permit application forms to the EPA. If you answer "yes" to any questions, you must submit this form and the supplemental form listed in the parenthesis following the question. Mark "X" in the box in the third column if the supplemental form is attached. If you answer "no" to each question, you need not submit any of these forms. You may answer "no" if your activity is excluded from permit requirements; see Section C of the instructions. See also, Section D of the instructions for definitions of bold-faced terms.															
SPECIFIC QUESTIONS				MARK "X"				SPECIFIC QUESTIONS				MARK "X"			
				Y E S								Y E S			
				N O								N O			
				FORM ATTACHED								FORM ATTACHED			
A. Is this facility a publicly owned treatment works which results in a discharge to waters of the U.S.? (FORM 2A)				<input checked="" type="checkbox"/>				B. Does or will this facility (either existing or proposed) include a concentrated animal feeding operation or aquatic animal production facility which results in a discharge to waters of the U.S.? (FORM 2B)				<input checked="" type="checkbox"/>			
				16 17 18								19 20 21			
C. Is this a facility which currently results in discharges to waters of the U.S. other than those described in A or B above? (FORM 2C)				<input checked="" type="checkbox"/>				D. Is this a proposed facility (other than those described in A or B above) which will result in a discharge to waters of the U.S.? (FORM 2D)				<input checked="" type="checkbox"/>			
				22 23 24				2C & 2F				25 26 27			
E. Does or will this facility treat, store, or dispose of hazardous wastes? (FORM 3)				<input checked="" type="checkbox"/>				F. Do you or will you inject at this facility industrial or municipal effluent below the lower most stratum containing, within one quarter mile of the well bore, underground sources of drinking water? (FORM 4)				<input checked="" type="checkbox"/>			
				28 29 30								31 32 33			
G. Do you or will you inject at this facility any produced water other than fluids which are brought to the surface in connection with conventional oil or natural gas production, inject fluids used for enhanced recovery of oil or natural gas, or inject fluids of storage of liquid hydrocarbons? (FORM 4)				<input checked="" type="checkbox"/>				H. Do you or will you inject at this facility fluids for special processes such as mining for sulfur by the Frasch process, solution mining of minerals, in situ combustion of fossil fuel, or recovery of geothermal energy? (FORM 4)				<input checked="" type="checkbox"/>			
				34 35 36								37 38 39			
I. Is this facility a proposed stationary source which is one of the 28 industrial categories listed in the instructions and which will potentially emit 100 tons per year of any air pollutant regulated under the Clean Air Act and may affect or be located in an attainment area? (FORM 5)				<input checked="" type="checkbox"/>				J. Is this facility a proposed stationary source which is NOT one of the 28 industrial categories listed in the instructions and which will potentially emit 250 tons per year of any air pollutant regulated under the Clean Air Act and may affect or be located in an attainment area? (FORM 5)				<input checked="" type="checkbox"/>			
				40 41 42								43 44 45			
III. NAME OF FACILITY C. SKIP 1 15 16 19 30 69 Waterford 3 Steam Electric Station															
IV. FACILITY CONTACT A. NAME & TITLE (last, first & title) 2 15 16 Hood, Gregory L. Technical Specialist IV															
B. PHONE (area code & no.) 45 46 48 49 51 52 65 504 464 3267															
V. FACILITY MAILING ADDRESS A. STREET OR P.O. BOX 3 15 16 17265 River Road															
B. CITY OR TOWN 4 15 16 Killona															
C. STATE 40 41 42 LA															
D. ZIP CODE 47 51 70057															
VI. FACILITY LOCATION A. STREET, ROUTE NO. OR OTHER SPECIFIC IDENTIFIER C 5 15 16 LA Highway 18 (River Road) 1 1/4 miles west of the intersection of LA Hwy 3142 & LA Hwy 18															
B. COUNTY NAME 48 70 St. Charles Parish															
C. CITY OR TOWN 40 41 42 Killona															
D. STATE 47 51 LA															
E. ZIP CODE 52 54 70057															
F. COUNTY CODE (if known)															

<b>VII. SIC CODES (4-digit, in order of priority)</b>												
<b>A. FIRST</b>				<b>B. SECOND</b>								
C-7	4911	(specify)	Electrical Generation	C-7		(specify)	Not Applicable					
15-16	18	19		15-16	18	19						
<b>C. THIRD</b>				<b>D. FOURTH</b>								
C-7		(specify)	Not Applicable	C-7		(specify)	Not Applicable					
15-16				15-16								
<b>VIII. OPERATOR INFORMATION</b>												
<b>A. NAME</b>										<b>B. Is the name listed in item VIII-A also the owner?</b>		
C-8	Entergy Operations, Inc.										YES	<input checked="" type="checkbox"/> NO
15-16	65										66	
<b>C. STATUS OF OPERATOR (Enter the appropriate letter into the answer box if "Other", specify)</b>										<b>D. PHONE (area code &amp; no.)</b>		
F = FEDERAL	M = PUBLIC (other than federal or state)	P (specify)		Not Applicable		C-15	601	368	5000			
S = STATE	O = OTHER (specify)					A-15	18	19	21	22	25	
P = PRIVATE												
<b>E. STREET OR P.O. BOX</b>												
Post Office Box 31995												
<b>F. CITY OR TOWN</b>												
Jackson												
<b>G. STATE</b>												
MS												
<b>H. ZIP CODE</b>												
39286												
<b>I. INDIAN LAND</b>												
Is the facility located on Indian lands?												
<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO												
<b>X. EXISTING ENVIRONMENTAL PERMITS</b>												
<b>A. NPDES (Discharges to Surface Water)</b>						<b>D. PSD (Air emissions from Proposed Sources)</b>						
C-15	16	17	18	19	20	C-15	16	17	18	19	20	
LA0007374												
<b>B. UIC (Underground Injection of Fluids)</b>												
Not Applicable						1255 (M-2)						
<b>E. OTHER (specify)</b>												
Air												
<b>C. RCRA (Hazardous Wastes)</b>												
Not Applicable						(specify)						
<b>XI. MAP</b>												
Attach to this application a topographic map of the area extending to at least one mile beyond property boundaries. The map must show the outline of the facility, the location of each of its existing and proposed intake and discharge structures, each of its hazardous waste treatment, storage, or disposal facilities, and each well where it injects fluids underground. Include all springs, rivers and other surface water bodies in the map area. See instructions for precise requirements.												
<b>XII. NATURE OF BUSINESS (provide a brief description)</b>												
Waterford 3 Steam Electric Station is a nuclear fueled electric generating station of 1104 MWe.												
<b>XIII. CERTIFICATION (see instructions)</b>												
I certify under penalty of law that I have personally examined and am familiar with the information submitted in this application and all attachments and that, based on my inquiry of those persons immediately responsible for obtaining the information contained in the application, I believe that the information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.												
<b>A. NAME &amp; OFFICIAL TITLE (type or print)</b>						<b>B. SIGNATURE</b>			<b>C. DATE SIGNED</b>			
Joseph E. Venable, Vice President Operations						<i>Joseph E. Venable for JEV</i>			1/2/01			
<b>COMMENTS FOR OFFICIAL USE ONLY</b>												

Appendix B  
(EPA Form 2C)

Please print or type in unshaded areas only	EPA I.D. Number (copy from Item 1 of Form 1) <b>LA0007374</b>	Form Approved OMB No. 204-0066 Approval expires 7-31-88
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<b>FORM 2C</b> NPDES	<b>EPA</b>	U.S. ENVIRONMENTAL PROTECTION AGENCY APPLICATION FOR PERMIT TO DISCHARGE WASTEWATER EXISTING MANUFACTURING, COMMERCIAL, MINING AND SILVICULTURAL OPERATIONS Consolidated Permits Program
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**I. OUTFALL LOCATION**  
For each outfall, list the latitude and longitude of its location to the nearest 15 seconds and the name of the receiving water.

A. OUTFALL NUMBER (list)	B. LATITUDE			C. LONGITUDE			D. RECEIVING WATER (list)
	1. DEG.	2. MIN.	3. SEC.	1. DEG.	2. MIN.	3. SEC.	
001	29	59	47	90	28	8	Mississippi River
004	29	59	19	90	28	25	40 Arpent Canal
005	29	58	53	90	28	35	40 Arpent Canal
101	29	59	40	90	28	16	Mississippi River
104	29	59	37	90	28	15	Mississippi River or 40 Arpent Canal
201	29	59	40	90	28	16	Mississippi River
204	29	59	36	90	28	17	40 Arpent Canal
301	29	59	40	90	28	16	Mississippi River
401	29	59	41	90	28	15	Mississippi River
501	29	59	44	90	28	13	Mississippi River
601	29	59	44	90	28	13	Mississippi River
701	29	59	44	90	28	13	Mississippi River or 40 Arpent Canal
801	29	59	44	90	28	13	Mississippi River or 40 Arpent Canal
901	29	59	47	90	28	8	Mississippi River

**II. FLOWS, SOURCES OF POLLUTION, AND TREATMENT TECHNOLOGIES**

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

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

1. OUTFALL NO. (list)	2. OPERATION(S) CONTRIBUTING FLOW		3. TREATMENT		
	a. OPERATION (list)	b. AVERAGE FLOW (include units)	a. DESCRIPTION	b. LIST CODES FROM TABLE 2C-1	
001	Once-Through Cooling Water	1,125 MGD	Mississippi River intake water	1-T 4-A 2-F	XX 2-D
004	Stormwater Runoff	10.1454 MGD	Stormwater runoff, Mississippi River water, reverse osmosis reject water, demineralized water, fire water system (potable water), air conditioning condensate & other low volume wastewaters as defined in 40CFR423	XX 1-U	
005	Energy Education Center Sewage Treatment Plant	0.01024 MGD	Sewage effluent wastewater & other low volume wastewaters as defined in 40CFR423	5-A 5-B 3-E 1-N	1-H 1-U 2-F
101	Liquid Waste Management System	0.0131 MGD	Wastewaters from the turbine and reactor building equipment and floor drains, primary plant water makeup, laboratory drains and other low volume wastewaters as defined in 40CFR423	1-N 2-J 2-D	2-K 1-D
104	Yard Oil Separator	0.0553 MGD	Secondary system drains, system leakage, auxiliary boiler blowdown, auxiliary boiler sumps, turbine building equipment and floor drains, laboratory drains, turbine building floor wash downs, stormwater and other low volume wastewaters as defined in 40CFR423	1-U 1-H XX 2-D	2-K 1-G 1-N
201	Boron Management System	0.0126 MGD	Wastewaters from the turbine and reactor building equipment and floor drains, primary plant water makeup, laboratory drains and other low volume wastewaters as defined in 40CFR423	1-N 2-J 2-K	1-D
204	Vehicle Wash Wastewater	0.0002 MGD	Wastewaters from vehicle wash rack.	1-H	1-U
301	Filter Flush System	0.0001 MGD	Primary water treatment system & other low volume wastewaters as defined in 40CFR423	1-O 1-U	2-D
401	Low Volume Wastewater	0.042 MGD	Steam generator/boiler blowdown & other low volume wastewaters as defined in 40CFR423	1-T 2-J	2-K
501	Auxiliary Component Cooling Water Basin A	0.26 MGD	Auxiliary component cooling water, component cooling water, Mississippi River water & stormwater runoff	1-U 2-K	2-J 1-N
601	Auxiliary Component Cooling Water Basin B	0.26 MGD	Auxiliary component cooling water, component cooling water, Mississippi River water & stormwater runoff	1-U 2-K	2-J 1-N
701	Dry Cooling Tower Sump #1	0.0122 MGD	Stormwater runoff, wet cooling tower leakage & blowdown, auxiliary component cooling water, component cooling water & other low volume wastewaters as defined in 40CFR423	1-U 2-K	2-J 1-N
801	Dry Cooling Tower Sump #2	0.0185 MGD	Stormwater runoff, wet cooling tower leakage & blowdown, auxiliary component cooling water, component cooling water & other low volume wastewaters as defined in 40CFR423	1-U 2-K	2-J 1-N
901	Metal Cleaning Wastewater	0.0201 MGD	Cleaning washes/messes of steam generator, cooling water heat exchangers/piping, plant equipment components and other metal cleaning wastewaters as defined in 40CFR423	2-C 2-K 1-U	3-E 1-G 2-J

C. Except for storm runoff, leaks, or spills, are any of the discharges described in Items II-A or B intermittent or seasonal?  
 Yes (complete the following table)  NO (go to Section III)

1. OUTFALL NUMBER (list)	2. OPERATION(S) CONTRIBUTING FLOW (list)	3. FREQUENCY		4. FLOW				c. DURATION (in days)
		a. DAYS PER WEEK (specify average)	b. MONTHS PER YEAR (specify average)	a. FLOW RATE (in mgd)		b. TOTAL VOLUME (specify with units)		
				1. LONG TERM AVERAGE	2. MAXIMUM DAILY	1. LONG TERM AVERAGE	2. MAXIMUM DAILY	
005	Energy Education Center Sewage Treatment Plant	7	12	0.01024	0.01065	0.01024	0.01065	1/Intermittent
101	Liquid Waste Management System	4	12	0.0131	0.0134	0.0131	0.0134	1/Batch
104	Yard Oil Separator	7	12	0.0553	0.1350	0.0553	0.1350	1/Batch
201	Boron Management System	2	12	0.0126	0.0126	0.0126	0.0126	1/Batch
204	Vehicle Car Wash			0.0002	0.0004	0.0002	0.0004	1/Intermittent
301	Filter Flush System	1	12	0.0001	0.0001	0.0001	0.0001	1/Intermittent
401	Low Volume Wastewater	7	12	0.042	0.0522	0.042	0.0522	1/Batch
501	Auxiliary Component Cooling Water Basin A	7	12	No Data Available	0.26	No Data Available	0.26	1/Intermittent
601	Auxiliary Component Cooling Water Basin B	7	12	No Data Available	0.26	No Data Available	0.26	1/Intermittent
701	Dry Cooling Tower Sump #1	7	12	0.0122	0.0425	0.0122	0.0425	1/Intermittent
801	Dry Cooling Tower Sump #2	7	12	0.0185	0.0545	0.0185	0.0545	1/Intermittent
901	Metal Cleaning Wastewater	7	12	0.0201	0.0243	0.0201	0.0243	1/Batch

III. PRODUCTION

A. Does an effluent guideline limitation promulgated by EPA under Section 304 of the Clean Water Act apply to your facility?  
 YES (complete Item III-B)  NO (go to Section IV)

B. Are the limitations in the applicable effluent guideline expressed in terms of production (or other measure of operation)?  
 YES (complete Item III-C)  NO (go to Section IV)

C. If you answered "yes" to Item III-B, list the quantity which represents an actual measurement of your level of production, expressed in the terms and units used in the applicable effluent guideline, and indicate the affected outfalls.

1. AVERAGE DAILY PRODUCTION			2. AFFECTED OUTFALLS (list outfall numbers)
a. QUANTITY PER DAY	b. UNITS OF MEASURE	c. OPERATION, PRODUCT, MATERIAL, ETC. (specify)	

IV. IMPROVEMENTS

A. Are you now required by any Federal, State or local authority to meet any implementation schedule for the construction, upgrading or operation of wastewater treatment equipment or practices or any other environmental programs which may affect the discharges described in this application? This includes, but is not limited to, permit conditions, administrative or enforcement orders, enforcement compliance schedule letters, stipulations, court orders, and grant or loan conditions.  
 YES (complete the following table)  NO (go to Item IV-B)

1. IDENTIFICATION OF CONDITION, AGREEMENT, ETC.	2. AFFECTED OUTFALLS		3. BRIEF DESCRIPTION OF PROJECT	4. FINAL COMPLIANCE DATE	
	a. NO	b. SOURCE OF DISCHARGE		a. RE-QUIRED	b. PRO-JECTED

B. OPTIONAL: You may attach additional sheets describing any additional water pollution control programs (or other environmental projects which may affect your discharges) you now have underway or which you plan. Indicate whether each program is now underway or planned, and indicate your actual or planned schedules for construction.  MARK "X" IF DESCRIPTION OF ADDITIONAL CONTROL PROGRAMS IS ATTACHED

CONTINUED FROM PAGE 2	EPA I.D. NUMBER (copy from Item 1 of Form 1) LAD0007374	Form Approved OMB NO. 2040-0066 Approval Expires 7-31-88
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**V. INTAKE AND EFFLUENT CHARACTERISTICS**

**A, B & C** See instructions before proceeding - Complete one set of tables for each outfall - Annotate the outfall number in the space provided.  
Note: Tables V-A, V-B, and V-C are included on separate sheets numbered V-1 through V-9.

**D.** Use the space below to list any of the pollutants listed in Table 2c-3 of the instructions, which you know or have reason to believe is discharged or may be discharged from any outfall. For every pollutant you list, briefly describe the reasons you believe it to be present and report any analytical data in your possession.

1. POLLUTANT	2. SOURCE	1. POLLUTANT	2. SOURCE
Not Applicable	Not Applicable	Not Applicable	Not Applicable

**VI. POTENTIAL DISCHARGES NOT COVERED BY ANALYSIS**

Is any pollutant listed in Item V-C a substance or a component of a substance which you currently use or manufacture as an intermediate or final product or byproduct?  
 Yes (list all such pollutants below)       NO (go to Item VI-B)

Empty space for listing pollutants.

**VII. BIOLOGICAL TOXICITY TESTING DATA**

Do you have any knowledge or reason to believe that any biological test for acute or chronic toxicity has been made on any of your discharges or on a receiving water in relation to your discharge within the last 3 years?  
 Yes (Identify the test(s) and describe their purposes below)  NO (go to Section VIII)

→ See Section 4.0 of application (Wastewater Related Information) & Table 1 (Outfall 001 Biological Toxicity Testing) ←

**VIII. CONTRACT ANALYSIS INFORMATION**

Were any of the analyses reported in Item V performed by a contract laboratory or consulting firm?  
 Yes (list the name, address, and telephone number of, and pollutants analyzed by, each such laboratory or firm below)  NO (go to Section IX)

A. NAME	B. ADDRESS	C. TELEPHONE	D. POLLUTANTS ANALYZED (list)
Pace Analytical Services, Inc.	1000 Riverbend Blvd, Suite F St. Rose, LA 70087	(504) 469-0333	All except those below and those monitored under W3 LPDES Permit LA0007374
Pace Analytical Services, Inc.	900 Gemini Avenue Houston, TX 77058	(281) 488-1810	Cadmium (Outfalls 001, 104, 401, 701 & 801) Metals excluding Mercury (Outfalls 004 & 005)
Pace Analytical Services, Inc.	5203 Triangle Lane Export, PA 15632	(724) 733-1162	All except pH, TSS, oil & grease, total alpha & beta & boron (Outfalls 101 & 201)
Pace Analytical Services, Inc.	Waltz Mill Laboratory - MB62 (P. O. Box 158) Madison, PA 15663	(724) 722-5407	Total Alpha & Beta (Outfalls 101 & 201)
Analysis Laboratories, Inc.	2932 Lime Street (P. O. Box 8666) Metairie, LA 70011	(504) 889-0710	Surfactants (Outfalls 001, 004, 005 & 104) Color (Outfalls 004, 005, 104, 701 & 801) Sulfite (Outfalls 004, 005 & 104) BOD (Outfall 004)
American Radiation Services, Inc.	1726 Wooddale Court Baton Rouge, LA 70808	(800) 401-4277	Total Alpha & Beta (Outfalls 001, 104, 701 & 801)
Sewer Trent	900 Lakeside Drive Mobile, AL 36693	(251) 666-6633	Total Phenols (Outfalls 001, 004, 005, 104, 401, 701 & 801)

**IX. CERTIFICATION**

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

A. NAME AND OFFICIAL TITLE (type or print) Joseph E. Venable - Vice President, Operations		B. PHONE NO. (area code & no.) (504) 739-6660	
C. SIGNATURE <i>for JEV</i>		D. DATE SIGNED 1/20/04	



PLEASE PRINT OR TYPE IN THE UNSHADED AREAS ONLY. You may report some or all of this information on separate sheets (use the same format) instead of completing these pages.  
SEE INSTRUCTIONS

EPA I.D. NUMBER (copy from Item 1 of Form 1)  
LA0007374

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

V. INTAKE AND EFFLUENT CHARACTERISTICS (continued from page 3 of Form 2-C) Outfall No. 001

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

1. POLLUTANT	2. Effluent						3. UNITS (specify if blank)		4. INTAKE (optional)			
	a. MAXIMUM DAILY VALUE (if available)		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO OF ANALYSES
	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
a. Biochemical Oxygen Demand (BOD)	<2.0						1	mg/l				
b. Chemical Oxygen Demand (COD)	<5.0						1	mg/l				
c. Total Organic Carbon (TOC)	5.0	46,912.5					1	mg/l	lb/d			
d. Total Suspended Solids (TSS)	89.0	835,042.5					1	mg/l	lb/d			
e. Ammonia (as N)	<0.10						1	mg/l				
f. Flow	VALUE 1471		VALUE 1471		VALUE 1125		24		MGD	VALUE N/A		
g. Temperature (winter)	VALUE 37.3		VALUE 37.3		VALUE 23.6		12		°C	VALUE N/A		
h. Temperature (summer)	VALUE 41.6		VALUE 41.6		VALUE 36.8		12		°C			
i. pH	MINIMUM N/A	MAXIMUM N/A	MINIMUM N/A	MAXIMUM N/A					STANDARD UNITS			

PART B - Mark "X" in column 2-a for each pollutant you know or have reason to believe is present. Mark "X" in column 2-b for each pollutant you believe to be absent. If you mark column 2a for any pollutant which is limited either directly, or indirectly but expressly, in an effluent limitations guideline, you must provide the results of at least one analysis for that pollutant. For other pollutants for which you mark column 2a, you must provide quantitative data or an explanation of their presence in your discharge. Complete one table for each outfall. See the instructions for additional details and requirements.

1. POLLUTANT AND CAS NO. (if available)	MARK 'X'		3. EFFLUENT						4. UNITS		5. INTAKE			
	a. Believed Present	b. Believed Absent	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
			(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
a. Bromide (24959-67-9)		X												
b. Chlorine Total Residual	X													
c. Color		X												
d. Fecal Coliform		X												
e. Fluoride (16984-48-8)		X												
f. Nitrate-Nitrite (as N)		X												

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1. POLLUTANT AND CAS NO. (if available)	MARK "X"		3. EFFLUENT						4. UNITS		5. INTAKE			
	a. Be- lieved Present	h. Be- lieved Absent	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	e. LONG TERM AVERAGE VALUE		f. NO. OF ANALYSES
			(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
g. Nitrogen, Total Organic (as N)		X												
h. Oil and Grease		X	<5.0						1	mg/l				
i. Phosphorus (as P), Total (7723-14-0)		X												
j. Radioactivity		X												
(1) Alpha, Total		X	<1.31						1	pCi/l				
(2) Beta, Total		X	4.71						1	pCi/l				
(3) Radium, Total		X												
(4) Radium 226, Total		X												
k. Sulfate (as SO <sub>4</sub> ) (14806-798)	X		28.0	262,710					1	mg/l	lb/d			
l. Sulfide (as S)	X													
m. Sulfite (as SO <sub>3</sub> ) (14265-45-3)	X													
n. Surfactants		X	<0.040						1	mg/l				
o. Aluminum, Total (7429-90-5)		X												
p. Barium, Total (7440-39-3)		X	<0.20						1	mg/l				
q. Boron, Total (7440-42-8)		X	<0.050						1	mg/l				
r. Cobalt, Total (7440-48-4)		X												
s. Iron, Total (7439-89-6)	X		2.29	21,485.9					1	mg/l	lb/d			
t. Magnesium, Total (7439-95-4)		X												
u. Molybdenum, Total (7439-98-7)		X												
v. Manganese, Total (7439-96-5)		X												
w. Tin, Total (7440-31-5)		X												
x. Titanium, Total (7440-32-6)		X												

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**PART C -** If you are a primary industry and this outfall contains process wastewater, refer to Table 2c-2 in the instructions to determine which of the GC/MS fractions you must test for. Mark "X" in column 2-a for all such GC/MS fractions that apply to your industry and for ALL toxic metals, cyanides, and total phenols. If you are not required to mark column 2-a (secondary industries, nonprocess wastewater outfalls, and nonrequired GC/MS fractions), mark "X" in column 2-b for each pollutant you know or have reason to believe is present. Mark "X" in column 2-c for each pollutant you believe is absent. If you mark column 2a for any pollutant, you must provide the results of at least one analysis for that pollutant. If you mark column 2b for any pollutant, you must provide the results of at least one analysis for that pollutant if you know or have reason to believe it will be discharged in concentrations of 10 ppb or greater. If you mark column 2b for acrolein, acrylonitrile, 2,4 dinitrophenol, or 2-methyl-4, 6 dinitrophenol, you must provide the results of at least one analysis for each of these pollutants which you know or have reason to believe that you discharge in concentrations of 100 ppb or greater. Otherwise, for pollutants for which you mark column 2b, you must either submit at least one analysis or briefly describe the reasons the pollutant is expected to be discharged. Note that there are 7 pages to this part; please review each carefully. Complete one table (all 7 pages) for each outfall. See instructions for additional details and requirements.

1. POLLUTANT AND CAS NO. (if available)	MARK 'X'			3. EFFLUENT						4. UNITS		5. INTAKE (optional)			
	a. Testing Required	a. Believed Present	b. Believed Absent	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
<b>METALS, CYANIDE, AND TOTAL PHENOLS</b>															
1M. Ammony, Total (7440-36-0)	X		X	<0.060											
2M. Arsenic, Total (7440-38-2)	X		X	<0.010					1	mg/l					
3M. Beryllium, Total (7440-41-7)	X		X	<0.005					1	mg/l					
4M. Cadmium, Total (7440-43-9)	X		X	<0.001					1	mg/l					
5M. Chromium, Total (7440-47-3)	X		X	<0.010					1	mg/l					
6M. Copper, Total (7440-50-8)	X		X	<0.010					1	mg/l					
7M. Lead, Total (7439-92-1)	X		X	0.0031 *	29.1				1	mg/l	lb/d				
8M. Mercury, Total (7439-97-6)	X		X	<0.0002					1	mg/l					
9M. Nickel, Total (7440-02-0)	X		X	<0.040					1	mg/l					
10M. Selenium, Total (7782-49-2)	X		X	<0.005					1	mg/l					
11M. Silver, Total (7440-22-4)	X		X	<0.002					1	mg/l					
12M. Thallium, Total (7440-28-0)	X		X	<0.010					1	mg/l					
13M. Zinc, Total (7440-66-6)	X		X	<0.020					1	mg/l					
14M. Cyanide, Total (57-12-5)	X		X	<0.010					1	mg/l					
15M. Phenols, Total	X		X	<0.005					1	mg/l					
<b>DIOXIN</b>															
2,3,7,8-Tetra-chlorodibenzo-P-Dioxin (1764-01-6)			X												

\* Waterford 3 is not a contributor. This is considered background levels from the Mississippi River

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1. POLLUTANT AND CAS NO. (if available)	MARK 'X'			3. EFFLUENT						4. UNITS		5. INTAKE (optional)			
	a. Testing Required	b. Believed Present	c. Believed Absent	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANALYSES	e. CONCENTRATION	f. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
GC/MS FRACTION - VOLATILE COMPOUNDS															
1V. Acrolein (107-02-8)	X		X	<0.020						1	mg/l				
2V. Acrylonitrile (107-13-1)	X		X	<0.020						1	mg/l				
3V. Benzene (71-43-2)	X		X	<0.005						1	mg/l				
4V. Bis (Chloromethyl) Ether (542-88-1)			X												
5V. Bromoform (75-25-2)	X		X	<0.005						1	mg/l				
6V. Carbon Tetrachloride (56-23-5)	X		X	<0.005						1	mg/l				
7V. Chlorobenzene (108-90-7)	X		X	<0.005						1	mg/l				
8V. Chlorodibromomethane (124-48-1)	X		X	<0.005						1	mg/l				
9V. Chloroethane (75-00-3)	X		X	<0.005						1	mg/l				
10V. 2-Chloro-ethylmethyl Ether (110-75-8)	X		X	<0.020						1	mg/l				
11V. Chloroform (67-66-3)	X		X	<0.005						1	mg/l				
12V. Dichlorobromomethane (75-27-4)	X		X	<0.005						1	mg/l				
13V. Dichlorodifluoromethane (75-71-8)			X												
14V. 1,1-Dichloroethane (75-34-3)	X		X	<0.005						1	mg/l				
15V. 1,2-Dichloroethane (107-06-2)	X		X	<0.005						1	mg/l				
16V. 1,1-Dichloroethylene (75-35-4)	X		X	<0.005						1	mg/l				
17V. 1,2-Dichloropropane (78-87-5)	X		X	<0.005						1	mg/l				
18V. 1,3-Dichloropropylene (542-75-6)	X		X	<0.005						2	mg/l				
19V. Ethylbenzene (100-41-4)	X		X	<0.005						1	mg/l				
20V. Methyl Bromide (74-83-9)	X		X	<0.005						1	mg/l				
21V. Methyl Chloride (74-87-3)	X		X	<0.005						1	mg/l				

1. POLLUTANT AND CAS NO. (if available)	MARK 'X'			3. EFFLUENT						4. UNITS		5. INTAKE (optional)			
	a. Testing Required	b. Believed Present	c. Believed Absent	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANALYSES	e. CONCENTRATION	f. MASS	g. LONG TERM AVERAGE VALUE		h. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
GC/MS FRACTION - VOLATILE COMPOUNDS (continued)															
22V. Methylene Chloride (75-09-2)	X		X	<0.005						1	mg/l				
23V. 1,1,2,2-Tetrachloroethane (79-34-5)	X		X	<0.005						1	mg/l				
24V. Tetrachloroethylene (127-18-4)	X		X	<0.005						1	mg/l				
25V. Toluene (108-88-3)	X		X	<0.005						1	mg/l				
26V. 1,2-Trans-Dichloroethylene (156-60-5)	X		X	<0.005						1	mg/l				
27V. 1,1,1-Trichloroethane (71-55-6)	X		X	<0.005						1	mg/l				
28V. 1,1,2-Trichloroethane (79-00-5)	X		X	<0.005						1	mg/l				
29V. Trichloroethylene (79-01-6)	X		X	<0.005						1	mg/l				
30V. Trichloro-fluoromethane (75-69-4)			X												
31V. Vinyl Chloride (75-01-4)	X		X	<0.005						1	mg/l				
GC/MS FRACTION - ACID COMPOUNDS															
1A. 2-Chlorophenol (95-57-8)	X		X	<0.010						1	mg/l				
2A. 2,4-Dichlorophenol (120-83-2)	X		X	<0.010						1	mg/l				
3A. 2,4-Dimethylphenol (105-67-9)	X		X	<0.010						1	mg/l				
4A. 4,6-Dinitro-O-Cresol (534-52-1)	X		X	<0.025						1	mg/l				
5A. 2,4-Dinitrophenol (51-28-5)	X		X	<0.025						1	mg/l				
6A. 2-Nitrophenol (88-75-5)	X		X	<0.010						1	mg/l				
7A. 4-Nitrophenol (100-02-7)	X		X	<0.025						1	mg/l				
8A. P-Chloro-M-Cresol (59-50-7)	X		X	<0.010						1	mg/l				
9A. Pentachlorophenol (87-86-5)	X		X	<0.025						1	mg/l				
10A. Phenol (108-95-2)	X		X	<0.010						1	mg/l				
11A. 2,4,6-Trichlorophenol (88-06-2)	X		X	<0.010						1	mg/l				

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	a. Testing Required	b. Believed Present	c. Believed Absent	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRO. VALUE (if available)		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
<b>GC/MS FRACTION - BASE/NEUTRAL COMPOUNDS</b>															
1B. Acenaphthene (83-32-9)	X		X	<0.010						1	mg/l				
2B. Acenaphthylene (208-96-8)	X		X	<0.010						1	mg/l				
3B. Anthracene (120-12-7)	X		X	<0.010						1	mg/l				
4B. Benzidine (92-87-5)	X		X	<0.030						1	mg/l				
5B. Benzo (a) Anthracene (56-55-3)	X		X	<0.010						1	mg/l				
6B. Benzo (a) Pyrene (50-32-8)	X		X	<0.010						1	mg/l				
7B. 3,4-Benzofluoranthene (205-99-2)	X		X	<0.010						1	mg/l				
8B. Benzo (ghi) Perylene (191-24-2)	X		X	<0.010						1	mg/l				
9B. Benzo (k) Fluoranthene (207-08-9)	X		X	<0.010						1	mg/l				
10B. Bis (2-Chloro-ethoxy) Methane (111-91-1)	X		X	<0.010						1	mg/l				
11B. Bis (2-Chloroethyl) Ether (111-44-4)	X		X	<0.010						1	mg/l				
12B. Bis (2-Chloroisopropyl) Ether (108-60-1)	X		X	<0.010						1	mg/l				
13B. Bis (2-Ethylhexyl) Phthalate (117-81-7)	X		X	<0.010						1	mg/l				
14B. 4-Bromo-phenyl Phenyl Ether (101-55-3)	X		X	<0.010						1	mg/l				
15B. Butyl Benzyl Phthalate (85-68-7)	X		X	<0.010						1	mg/l				
16B. 2-Chloro-naphthalene (91-58-7)	X		X	<0.010						1	mg/l				
17B. 4-Chloro-phenyl Phenyl Ether (7005-72-3)	X		X	<0.010						1	mg/l				
18B. Chrysene (218-01-9)	X		X	<0.010						1	mg/l				
19B. Dibenzo (a,h) Anthracene (53-70-3)	X		X	<0.010						1	mg/l				
20B. 1,2-Dichlorobenzene (95-50-1)	X		X	<0.010						1	mg/l				
21B. 1,3-Dichlorobenzene (541-73-1)	X		X	<0.010						1	mg/l				

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	a. Testing Required	b. Believed Present	c. Believed Absent	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
GC/MS FRACTION - BASE/NEUTRAL COMPOUNDS (continued)															
22B. 1,4-Dichlorobenzene (106-46-7)	X		X	<0.010						1	mg/l				
23B. 3,3'-Dichlorobenzidine (91-94-1)	X		X	<0.020						1	mg/l				
24B. Diethyl Phthalate (84-66-2)	X		X	<0.010						1	mg/l				
25B. Dimethyl Phthalate (131-11-3)	X		X	<0.010						1	mg/l				
26B. Di-N-Butyl Phthalate (84-74-2)	X		X	<0.010						1	mg/l				
27B. 2,4-Dinitrotoluene (121-14-2)	X		X	<0.010						1	mg/l				
28B. 2,6-Dinitrotoluene (606-20-2)	X		X	<0.010						1	mg/l				
29B. Di-N-Octyl Phthalate (117-84-0)	X		X	<0.010						1	mg/l				
30B. 1,2-Diphenylhydrazine (as Azobenzene) (122-66-7)	X		X	<0.010						1	mg/l				
31B. Fluoranthene (206-44-0)	X		X	<0.010						1	mg/l				
32B. Fluorene (86-73-7)	X		X	<0.010						1	mg/l				
33B. Hexachlorobenzene (118-74-1)	X		X	<0.010						1	mg/l				
34B. Hexachlorobutadiene (87-68-3)	X		X	<0.010						1	mg/l				
35B. Hexachlorocyclopentadiene (77-47-4)	X		X	<0.010						1	mg/l				
36B. Hexachloroethane (67-72-1)	X		X	<0.010						1	mg/l				
37B. Ideno (1,2,3-cd) Pyrene (193-39-5)	X		X	<0.010						1	mg/l				
38B. Isophorone (78-59-1)	X		X	<0.010						1	mg/l				
39B. Naphthalene (91-20-3)	X		X	<0.010						1	mg/l				
40B. Nitrobenzene (98-95-3)	X		X	<0.010						1	mg/l				
41B. N-Nitrosodi-methylamine (62-75-9)	X		X	<0.010						1	mg/l				
42B. N-Nitrosodi-N-Propylamine (621-64-7)	X		X	<0.010						1	mg/l				

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	a. Testing Required	b. Believed Present	c. Believed Absent	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
<b>GC/MS FRACTION - BASE/NEUTRAL COMPOUNDS (Continued)</b>															
43B. N-Nitrosodiphenylamine (86-30-6)	X		X	<0.010						1	mg/l				
44B. Phenanthrene (85-01-8)	X		X	<0.010						1	mg/l				
45B. Pyrene (129-00-0)	X		X	<0.010						1	mg/l				
46B. 1,2,4-Tri-chlorobenzene (120-82-1)	X		X	<0.010						1	mg/l				
<b>GC/MS FRACTION - PESTICIDES</b>															
1P. Aldrin (309-00-2)			X												
3P. α-BHC (319-84-6)			X												
3P. β-BHC (319-85-7)			X												
4P. γ-BHC (58-89-9)			X												
5P. δ-BHC (319-86-8)			X												
6P. Chlordane (57-74-9)			X												
7P. 4,4'-DDT (50-29-3)			X												
8P. 4,4'-DDE (72-35-9)			X												
9P. 4,4'-DDD (72-54-8)			X												
10P. Dieldrin (60-57-1)			X												
11P. α-Endosulfan (115-29-7)			X												
12P. β-Endosulfan (115-29-7)			X												
13P. Endosulfan Sulfate (1031-07-8)			X												
14P. Endrin (72-20-8)			X												
15P. Endrin Aldehyde (7421-93-4)			X												
16P. Heptachlor (76-44-8)			X												



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1. POLLUTANT AND CAS NO. (if available)	MARK 'X'			3. EFFLUENT						4. UNITS		5. INTAKE (optional)			
	a. Test- ing Required	a. Be- lieved Present	b. Be- lieved Absent	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANAL- YSES	a. CONCEN- TRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANAL- YSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
GC/MS FRACTION - PESTICIDES (continued)															
17P. Heptachlor Epoxide (1024-57-3)			X												
18P. PCB-1242 (53469-21-9)			X												
19P. PCB-1254 (11097-69-1)			X												
20P. PCB-1221 (11104-28-2)			X												
21P. PCB-1232 (11141-16-5)			X												
22P. PCB-1248 (12672-29-6)			X												
23P. PCB-1260 (11096-82-5)			X												
24P. PCB-1016 (12674-11-2)			X												
25P. Toxaphene (8001-35-2)			X												

PLEASE PRINT OR TYPE IN THE UNSHADED AREAS ONLY. You may report some or all of this information on separate sheets (use the same format) instead of completing these pages. SEE INSTRUCTIONS

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V. INTAKE AND EFFLUENT CHARACTERISTICS (continued from page 3 of Form 2-C) Outfall No. 004

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

1. POLLUTANT	2. EFFLUENT						3. UNITS (specify if blank)		4. INTAKE (optional)			
	a. MAXIMUM DAILY VALUE (if available)		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO OF ANALYSES
	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
a. Biochemical Oxygen Demand (BOD)	<2.0						1	mg/l				
b. Chemical Oxygen Demand (COD)	17.5	1,480.7					1	mg/l	lb/d			
c. Total Organic Carbon (TOC)	7.6	643.1					4	mg/l	lb/d			
d. Total Suspended Solids (TSS)	23.9	2,022.2					4	mg/l	lb/d			
e. Ammonia (as N)	<0.025						1	mg/l				
f. Flow	VALUE 17.9339		VALUE 17.9339		VALUE 10.1454		4		MGD	VALUE N/A		
g. Temperature (winter)	VALUE N/A		VALUE N/A						°C	VALUE N/A		
h. Temperature (summer)	VALUE N/A		VALUE N/A						°C			
i. pH	MINIMUM 7.44	MAXIMUM 7.71	MINIMUM N/A	MAXIMUM N/A			8		STANDARD UNITS			

PART B - Mark "X" in column 2-a for each pollutant you know or have reason to believe is present. Mark "X" in column 2-b for each pollutant you believe to be absent. If you mark column 2a for any pollutant which is limited either directly, or indirectly but expressly, in an effluent limitations guideline, you must provide the results of at least one analysis for that pollutant. For other pollutants for which you mark column 2a, you must provide quantitative data or an explanation of their presence in your discharge. Complete one table for each outfall. See the instructions for additional details and requirements.

1. POLLUTANT AND CAS NO (if available)	MARK 'X'		3. EFFLUENT						4. UNITS		5. INTAKE			
	a. Believed Present	b. Believed Absent	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
			(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
a. Bromide (24959-67-9)		X												
b. Chlorine Total Residual		X												
c. Color	X		10						1	COLOR UNITS				
d. Fecal Coliform		X												
e. Fluoride (16984-48-8)		X												
f. Nitrate-Nitrite (as N)	X		1.40	118.5					1	mg/l	lb/d			

ITEM V-B CONTINUED FROM FRONT  
CONTINUED FROM PAGE V-1

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1. POLLUTANT AND CAS NO. (if available)	MARK "X"		3. EFFLUENT						4. UNITS		5. INTAKE			
	a. Be- lieved Present	b. Be- lieved Absent	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANALYSES	a. CONCEN- TRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANAL- YSES
			(1) CONCENTRATION	(2) MASS	(1) CONCEN- TRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
g. Nitrogen, Total Organic (as N)	X													
h. Oil and Grease	X		0.0					4	mg/l					
i. Phosphorus (as P), Total (7723-14-0)	X		0.420	35.5				1	mg/l	lb/d				
j. Radioactivity		X												
(1) Alpha, Total		X												
(2) Beta, Total		X												
(3) Radium, Total		X												
(4) Radium 226, Total		X												
k. Sulfate (as SO <sub>4</sub> ) (14808-798)	X		37.8	3,198.4				1	mg/l	lb/d				
l. Sulfide (as S)	X		0.0250	2.12				1	mg/l	lb/d				
m. Sulfine (as SO <sub>2</sub> ) (14265-45-3)	X		<2.0					1	mg/l					
n. Surfactants		X	<0.040					1	mg/l					
o. Aluminum, Total (7429-90-5)		X	<0.20					1	mg/l					
p. Barium, Total (7440-39-3)	X		1.13	95.6				1	mg/l	lb/d				
q. Boron, Total (7440-42-8)		X												
r. Cobalt, Total (7440-48-4)		X												
s. Iron, Total (7439-89-6)	X		<0.10					1	mg/l					
t. Magnesium, Total (7439-95-4)		X	11.0	930.7				1	mg/l	lb/d				
u. Molybdenum, Total (7439-98-7)		X	0.13	11.0				1	mg/l	lb/d				
v. Manganese, Total (7439-96-5)		X												
w. Tin, Total (7440-31-5)		X												
x. Titanium, Total (7440-32-6)		X												

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**PART C -** If you are a primary industry and this outfall contains process wastewater, refer to Table 2c-2 in the instructions to determine which of the GC/MS fractions you must test for. Mark "X" in column 2-a for all such GC/MS fractions that apply to your industry and for ALL toxic metals, cyanides, and total phenols. If you are not required to mark column 2-a (secondary industries, nonprocess wastewater outfalls, and nonrequired GC/MS fractions), mark "X" in column 2-b for each pollutant you know or have reason to believe is present. Mark "X" in column 2-c for each pollutant you believe is absent. If you mark column 2a for any pollutant, you must provide the results of at least one analysis for that pollutant. If you mark column 2b for any pollutant, you must provide the results of at least one analysis for that pollutant if you know or have reason to believe it will be discharged in concentrations of 10 ppb or greater. If you mark column 2b for acrolein, acrylonitrile, 2,4 dinitrophenol, or 2-methyl-4, 6 dinitrophenol, you must provide the results of at least one analysis for each of these pollutants which you know or have reason to believe that you discharge in concentrations of 100 ppb or greater. Otherwise, for pollutants for which you mark column 2b, you must either submit at least one analysis or briefly describe the reasons the pollutant is expected to be discharged. Note that there are 7 pages to this part; please review each carefully. Complete one table (all 7 pages) for each outfall. See instructions for additional details and requirements.

1. POLLUTANT AND CAS NO. (if available)	MARK 'X'			3. EFFLUENT						4. UNITS		5. INTAKE (optional)			
	a. Testing Required	a. Believed Present	b. Believed Absent	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
<b>METALS, CYANIDE, AND TOTAL PHENOLS</b>															
1M. Antimony, Total (7440-36-0)	X		X	<0.060						1	mg/l				
2M. Arsenic, Total (7440-38-2)	X		X	<0.010						1	mg/l				
3M. Beryllium, Total (7440-41-7)	X		X	<0.005						1	mg/l				
4M. Cadmium, Total (7440-43-9)	X		X	<0.001						1	mg/l				
5M. Chromium, Total (7440-47-3)	X		X	<0.010						1	mg/l				
6M. Copper, Total (7440-50-8)	X		X	<0.010						1	mg/l				
7M. Lead, Total (7439-92-1)	X		X	<0.005						1	mg/l				
8M. Mercury, Total (7439-97-6)	X		X	<0.0002						1	mg/l				
9M. Nickel, Total (7440-02-0)	X		X	<0.040						1	mg/l				
10M. Selenium, Total (7782-49-2)	X		X	<0.005						1	mg/l				
11M. Silver, Total (7440-22-4)	X		X	<0.002						1	mg/l				
12M. Thallium, Total (7440-28-0)	X		X	<0.010						1	mg/l				
13M. Zinc, Total (7440-66-6)	X		X	<0.020						1	mg/l				
14M. Cyanide, Total (57-12-5)	X		X	<0.020						1	mg/l				
15M. Phenols, Total	X		X	<0.005						1	mg/l				
<b>DIOXIN</b>															
2,3,7,8-Tetra-chlorodibenzo-P-Dioxin (1764-01-6)			X												

1. POLLUTANT AND CAS NO. (if available)	MARK 'X'			3. EFFLUENT						4. UNITS		5. INTAKE (optional)			
	a. Testing Required	b. Believed Present	c. Believed Absent	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANALYSES	e. CONCENTRATION	f. MASS	g. LONG TERM AVERAGE VALUE		h. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
GC/MS FRACTION - VOLATILE COMPOUNDS															
1V. Acrolein (107-02-8)	X		X	<0.020						1	mg/l				
2V. Acrylonitrile (107-13-1)	X		X	<0.020						1	mg/l				
3V. Benzene (71-43-2)	X		X	<0.005						1	mg/l				
4V. Bis (Chloromethyl) Ether (542-88-1)			X												
5V. Bromoform (75-25-2)	X		X	<0.005						1	mg/l				
6V. Carbon tetrachloride (56-23-5)	X		X	<0.005						1	mg/l				
7V. Chlorobenzene (108-90-7)	X		X	<0.005						1	mg/l				
8V. Chlorodibromomethane (124-48-1)	X		X	<0.005						1	mg/l				
9V. Chloroethane (75-00-3)	X		X	<0.005						1	mg/l				
10V. 2-Chloro-ethylvinyl ether (110-75-8)	X		X	<0.020						1	mg/l				
11V. Chloroform (67-66-3)	X		X	0.0025 *	0.21					1	mg/l	lb/d			
12V. Dichlorobromomethane (75-27-4)	X		X	<0.005						1	mg/l				
13V. Dichlorodifluoromethane (75-71-8)			X												
14V. 1,1-Dichloroethane (75-34-3)	X		X	<0.005						1	mg/l				
15V. 1,2-Dichloromethane (107-06-2)	X		X	<0.005						1	mg/l				
16V. 1,1-Dichloroethylene (75-35-4)	X		X	<0.005						1	mg/l				
17V. 1,2-Dichloropropane (78-87-5)	X		X	<0.005						1	mg/l				
18V. 1,3-Dichloropropylene (542-75-6)	X		X	<0.005						2	mg/l				
19V. Ethylbenzene (100-41-4)	X		X	<0.005						1	mg/l				
20V. Methyl Bromide (74-83-9)	X		X	<0.005						1	mg/l				
21V. Methyl Chloride (74-87-3)	X		X	<0.005						1	mg/l				

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1. POLLUTANT AND CAS NO. (if available)	MARK 'X'			3. EFFLUENT						4. UNITS		5. INTAKE (optional)			
	a. Test- ing Required	b. Be- lieved Present	c. Be- lieved Absent	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANAL- YSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANAL- YSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
<b>GC/MS FRACTION - VOLATILE COMPOUNDS (continued)</b>															
22V. MethyleneChloride (75-09-2)	X		X	<0.005						1	mg/l				
23V. 1,1,2,2-Tetrachloroethane (79-34-5)	X		X	<0.005						1	mg/l				
24V. Tetrachloroethylene (127-18-4)	X		X	<0.005						1	mg/l				
25V. Toluene (108-88-3)	X		X	<0.005						1	mg/l				
26V. 1,2-Trans-Dichloroethylene (156-60-5)	X		X	<0.005						1	mg/l				
27V. 1,1,1-Trichloroethane (71-55-6)	X		X	<0.005						1	mg/l				
28V. 1,1,2-Trichloroethane (79-00-5)	X		X	<0.005						1	mg/l				
29V. Trichloroethylene (79-01-6)	X		X	<0.005						1	mg/l				
30V. Trichloro-fluoromethane (75-69-4)			X												
31V. VinylChloride (75-01-4)	X		X	<0.005						1	mg/l				
<b>GC/MS FRACTION - ACID COMPOUNDS</b>															
1A. 2-Chlorophenol (95-57-8)	X		X	<0.010						1	mg/l				
2A. 2,4-Dichlorophenol (120-83-2)	X		X	<0.010						1	mg/l				
3A. 2,4-Dimethylphenol (105-67-9)	X		X	<0.010						1	mg/l				
4A. 4,6-Dinitro-O-Cresol (534-52-1)	X		X	<0.025						1	mg/l				
5A. 2,4-Dinitrophenol (51-28-5)	X		X	<0.025						1	mg/l				
6A. 2-Nitrophenol (88-75-5)	X		X	<0.010						1	mg/l				
7A. 4-Nitrophenol (100-02-7)	X		X	<0.025						1	mg/l				
8A. p-Chloro-M-Cresol (59-50-7)	X		X	<0.010						1	mg/l				
9A. Pentachlorophenol (87-86-5)	X		X	<0.025						1	mg/l				
10A. Phenol (108-95-2)	X		X	<0.010						1	mg/l				
11A. 2,4,6-Trichlorophenol (88-06-2)	X		X	<0.010						1	mg/l				

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	a. Testing Required	a. Believed Present	b. Believed Absent	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
<b>GC/MS FRACTION - BASE/NEUTRAL COMPOUNDS</b>															
1B. Acenaphthene (83-32-9)	X		X	<0.010						1	mg/l				
2B. Acenaphthylene (208-96-8)	X		X	<0.010						1	mg/l				
3B. Anthracene (120-12-7)	X		X	<0.010						1	mg/l				
4B. Benzidine (92-87-5)	X		X	<0.030						1	mg/l				
5B. Benzo (a) Anthracene (56-55-3)	X		X	<0.010						1	mg/l				
6B. Benzo (a) Pyrene (50-32-8)	X		X	<0.010						1	mg/l				
7B. 3,4-Benzofluoranthene (205-99-2)	X		X	<0.010						1	mg/l				
8B. Benzo (ghi) Perylene (191-24-2)	X		X	<0.010						1	mg/l				
9B. Benzo (k) Fluoranthene (207-08-9)	X		X	<0.010						1	mg/l				
10B. Bis (2-Chloro-ethyl) Methane (111-91-1)	X		X	<0.010						1	mg/l				
11B. Bis (2-Chloroethyl) Ether (111-44-4)	X		X	<0.010						1	mg/l				
12B. Bis (2-Chloroisopropyl) Ether (108-60-1)	X		X	<0.010						1	mg/l				
13B. Bis (2-Ethylhexyl) Phthalate (117-81-7)	X		X	<0.010						1	mg/l				
14B. 4-Bromo-phenylphenyl Ether (101-55-3)	X		X	<0.010						1	mg/l				
15B. Butyl Benzyl Phthalate (85-68-7)	X		X	<0.010						1	mg/l				
16B. 2-Chloro-naphthalene (91-58-7)	X		X	<0.010						1	mg/l				
17B. 4-Chloro-phenylphenyl Ether (7005-72-3)	X		X	<0.010						1	mg/l				
18B. Chrysene (218-01-9)	X		X	<0.010						1	mg/l				
19B. Dibenzo (a,h) Anthracene (53-70-3)	X		X	<0.010						1	mg/l				
20B. 1,2-Dichlorobenzene (95-50-1)	X		X	<0.010						1	mg/l				
21B. 1,3-Dichlorobenzene (541-73-1)	X		X	<0.010						1	mg/l				

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1. POLLUTANT AND CAS NO. (if available)	MARK 'X'			3. EFFLUENT						4. UNITS		5. INTAKE (optional)			
	a. Test- ing Required	b. Re- lieved Present	c. Re- lieved Absent	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANAL- YSES	a. CONCEN- TRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANAL- YSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
GC/MS FRACTION - BASE/NEUTRAL COMPOUNDS (continued)															
22B. 1,4-Dichlorobenzene (106-46-7)	X		X	<0.010						1	mg/l				
23B. 3,3'-Dichlorobenzidine (91-94-1)	X		X	<0.020						1	mg/l				
24B. Diethyl Phthalate (84-66-2)	X		X	<0.010						1	mg/l				
25B. Dimethyl Phthalate (131-11-3)	X		X	<0.010						1	mg/l				
26B. Di-N-Butyl Phthalate (84-74-2)	X		X	<0.010						1	mg/l				
27B. 2,4-Dinitrotoluene (121-14-2)	X		X	<0.010						1	mg/l				
28B. 2,6-Dinitrotoluene (606-20-2)	X		X	<0.010						1	mg/l				
29B. Di-N-Octyl Phthalate (117-84-0)	X		X	<0.010						1	mg/l				
30B. 1,2-Diphenyl- hydrazine (as Azo- benzene) (122-66-7)	X		X	<0.010						1	mg/l				
31B. Fluoranthene (206-44-0)	X		X	<0.010						1	mg/l				
32B. Fluorene (86-73-7)	X		X	<0.010						1	mg/l				
33B Hexachlorobenzene (118-74-1)	X		X	<0.010						1	mg/l				
34B Hexachlorobutadiene (87-68-3)	X		X	<0.010						1	mg/l				
35B Hexachlorocyclo- pentadiene (77-47-4)	X		X	<0.010						1	mg/l				
36B Hexachloroethane (67-72-1)	X		X	<0.010						1	mg/l				
37B. Ideno (1,2,3-cd) Pyrene (193-39-5)	X		X	<0.010						1	mg/l				
38B. Isophorone (78-59-1)	X		X	<0.010						1	mg/l				
39B. Naphthalene (91-20-3)	X		X	<0.010						1	mg/l				
40B. Nitrobenzene (98-95-3)	X		X	<0.010						1	mg/l				
41B. N-Nitro-acdi- methylamine(62-75-9)	X		X	<0.010						1	mg/l				
42B. N-Nitroacdi-N- Propylamine(621-64-7)	X		X	<0.010						1	mg/l				



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Approval Expires 7-31-88

1. POLLUTANT AND CAS NO. (if available)	MARK 'X'			3. EFFLUENT						4. UNITS		5. INTAKE (optional)			
	a. Testing Required	a. Believed Present	b. Believed Absent	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
<b>GC/MS FRACTION - BASE/NEUTRAL COMPOUNDS (Continued)</b>															
43B. N-Nitroodiphenylamine (86-30-6)	X		X	<0.010						1	mg/l				
44B. Phenanthrene (85-01-8)	X		X	<0.010						1	mg/l				
45B. Pyrene (129-00-0)	X		X	<0.010						1	mg/l				
46B. 1,2,4-Tri-chlorobenzene (120-82-1)	X		X	<0.010						1	mg/l				
<b>GC/MS FRACTION - PESTICIDES</b>															
1P. Aldrin (309-00-2)			X												
2P. α-BHC (319-84-6)			X												
3P. β-BHC (319-85-7)			X												
4P. γ-BHC (58-89-9)			X												
5P. δ-BHC (319-86-8)			X												
6P. Chlordane (57-74-9)			X												
7P. 4,4'-DDT (50-29-3)			X												
8P. 4,4'-DDE (72-55-9)			X												
9P. 4,4'-DDD (72-54-8)			X												
10P. Dieldrin (60-57-1)			X												
11P. α-Endosulfan (115-29-7)			X												
12P. β-Endosulfan (115-29-7)			X												
13P. Endosulfan Sulfate (1031-07-8)			X												
14P. Endrin (72-20-8)			X												
15P. Endrin Aldehyde (7421-93-4)			X												
16P. Heptachlor (76-44-8)			X												

EPA I.D. NUMBER (copy from Item 1 of Form 1) LA0007374

OUTFALL NUMBER 004

OMB No. 2040-0086  
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1. POLLUTANT AND CAS NO. (if available)	MARK 'X'			3. EFFLUENT				4. UNITS		5. INTAKE (optional)					
	a. Test- ing Required	a. Be- lieved Present	b. Be- lieved Absent	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANALYSES	a. CONCEN- TRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
GC/MS FRACTION - PESTICIDES (continued)															
17P. Heptachlor Epoxide (1024-57-3)			X												
18P. PCB-1242 (53469-21-9)			X												
19P. PCB-1254 (11097-69-1)			X												
20P. PCB-1221 (11104-28-2)			X												
21P. PCB-1232 (11141-16-5)			X												
22P. PCB-1248 (12672-29-6)			X												
23P. PCB-1260 (11096-82-5)			X												
24P. PCB-1016 (12674-11-2)			X												
25P. Toxaphene (8001-35-2)			X												

PLEASE PRINT OR TYPE IN THE UNSHADED AREAS ONLY. You may report some or all of this information on separate sheets (use the same format) instead of completing these pages.  
SEE INSTRUCTIONS

EPA I.D. NUMBER (copy from item 1 of Form 1)  
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V. INTAKE AND EFFLUENT CHARACTERISTICS (continued from page 3 of Form 2-C) Outfall No. 005

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

1. POLLUTANT	2. Effluent						3. UNITS (specify if blank)		4. INTAKE (optional)		b. NO OF ANALYSES	
	a. MAXIMUM DAILY VALUE (if available)		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		
	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION		(2) MASS
a. Biochemical Oxygen Demand (BOD)	1.99	0.17					2	mg/l	lb/d			
b. Chemical Oxygen Demand (COD)	146	12.5					1	mg/l	lb/d			
c. Total Organic Carbon (TOC)	18.9	1.61					1	mg/l	lb/d			
d. Total Suspended Solids (TSS)	11.0	0.94					2	mg/l	lb/d			
e. Ammonia (as N)	0.730	0.06					1	mg/l	lb/d			
f. Flow	VALUE 0.01065		VALUE 0.01065		VALUE 0.01024		2		MGD	VALUE N/A		
g. Temperature (winter)	VALUE N/A		VALUE N/A						°C	VALUE N/A		
h. Temperature (summer)	VALUE N/A		VALUE N/A		VALUE N/A				°C			
i. pH	MINIMUM 7.13	MAXIMUM 7.15	MINIMUM N/A	MAXIMUM N/A			4	STANDARD UNITS				

PART B - Mark "X" in column 2-a for each pollutant you know or have reason to believe is present. Mark "X" in column 2-b for each pollutant you believe to be absent. If you mark column 2a for any pollutant which is limited either directly, or indirectly but especially, in an effluent limitations guideline, you must provide the results of at least one analysis for that pollutant. For other pollutants for which you mark column 2a, you must provide quantitative data or an explanation of their presence in your discharge. Complete one table for each outfall. See the instructions for additional details and requirements.

1. POLLUTANT AND CAS NO. (if available)	MARK "X"		3. EFFLUENT						4. UNITS		5. INTAKE		b. NO. OF ANALYSES	
	a. Relieved Present	b. Relieved Absent	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		
			(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION		(2) MASS
a. Bromide (24959-67-9)		X												
b. Chlorine Total Residual	X		1.20	0.10					1	mg/l	lb/d			
c. Color	X		25						1	COLOR UNITS				
d. Fecal Coliform	X		0						2	colonies/ml				
e. Fluoride (116984-48-8)		X												
f. Nitrate-Nitrite (as N)	X		20.1	1.72					1	mg/l	lb/d			

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1. POLLUTANT AND CAS NO. (if available)	MARK "X"		3. EFFLUENT						4. UNITS		5. INTAKE			
	a. Be- lieved Present	b. Be- lieved Absent	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
			(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
g. Nitrogen, Total Organic (as N)	X													
h. Oil and Grease	X		7.0	0.60					1	mg/l	lb/d			
i. Phosphorus (as P), Total (7723-14-0)	X		4.3	0.37					1	mg/l	lb/d			
j. Radioactivity		X												
(1) Alpha, Total		X												
(2) Beta, Total		X												
(3) Radium, Total		X												
(4) Radium 226, Total		X												
k. Sulfate (as SO <sub>4</sub> ) (14808-798)	X		70.8	6.05					1	mg/l	lb/d			
l. Sulfide (as S)	X		0.0860	0.007					1	mg/l	lb/d			
m. Sulfite (as SO <sub>3</sub> ) (14265-45-3)	X		<2.0						1	mg/l				
n. Surfactants		X	<0.040						1	mg/l				
o. Aluminum, Total (7429-90-5)		X	0.0061	0.001					1	mg/l	lb/d			
p. Barium, Total (7440-39-3)		X	0.046	0.004					1	mg/l	lb/d			
q. Boron, Total (7440-42-8)		X												
r. Cobalt, Total (7440-48-4)		X												
s. Iron, Total (7439-89-6)		X												
t. Magnesium, Total (7439-95-4)	X		22.6	1.93					1	mg/l	lb/d			
u. Molybdenum, Total (7439-98-7)		X	0.419	0.036					1	mg/l	lb/d			
v. Manganese, Total (7439-96-5)		X												
w. Tin, Total (7440-31-5)		X												
x. Titanium, Total (7440-32-6)		X												

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**PART C -** If you are a primary industry and this outfall contains process wastewater, refer to Table 2c-2 in the instructions to determine which of the GC/MS fractions you must test for. Mark "X" in column 2-a for all such GC/MS fractions that apply to your industry and for ALL toxic metals, cyanides, and total phenols. If you are not required to mark column 2-a (secondary industries, nonprocess wastewater outfalls, and nonrequired GC/MS fractions), mark "X" in column 2-b for each pollutant you know or have reason to believe is present. Mark "X" in column 2-c for each pollutant you believe is absent. If you mark column 2a for any pollutant, you must provide the results of at least one analysis for that pollutant. If you mark column 2b for any pollutant, you must provide the results of at least one analysis for that pollutant if you know or have reason to believe it will be discharged in concentrations of 10 ppb or greater. If you mark column 2b for acrotoxin, acrylonitrile, 2,4 dinitrophenol, or 2-methyl-4, 6 dinitrophenol, you must provide the results of at least one analysis for each of these pollutants which you know or have reason to believe that you discharge in concentrations of 100 ppb or greater. Otherwise, for pollutants for which you mark column 2b, you must either submit at least one analysis or briefly describe the reasons the pollutant is expected to be discharged. Note that there are 7 pages to this part; please review each carefully. Complete one table (all 7 pages) for each outfall. See instructions for additional details and requirements.

1. POLLUTANT AND CAS NO. (if available)	MARK 'X'			3. EFFLUENT						4. UNITS		5. INTAKE (optional)			
	a. Test- ing Required	a. Be- lieved Present	b. Be- lieved Absent	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
<b>METALS, CYANIDE, AND TOTAL PHENOLS</b>															
1M. Antimony, Total (7440-36-0)	X		X	<0.060						1	mg/l				
2M. Arsenic, Total (7440-38-2)	X		X	<0.010						1	mg/l				
3M. Beryllium, Total (7440-41-7)	X		X	<0.005						1	mg/l				
4M. Cadmium, Total (7440-43-9)	X		X	<0.001						1	mg/l				
5M. Chromium, Total (7440-47-3)	X		X	<0.010						1	mg/l				
6M. Copper, Total (7440-50-8)	X	X		0.0421	0.004					1	mg/l	lb/d			
7M. Lead, Total (7439-92-1)	X		X	<0.005						1	mg/l				
8M. Mercury, Total (7439-97-6)	X		X	<0.0002						1	mg/l				
9M. Nickel, Total (7440-02-0)	X		X	<0.040						1	mg/l				
10M. Selenium, Total (7782-49-2)	X		X	<0.005						1	mg/l				
11M. Silver, Total (7440-22-4)	X		X	<0.002						1	mg/l				
12M. Thallium, Total (7440-28-0)	X		X	<0.010						1	mg/l				
13M. Zinc, Total (7440-66-6)	X	X		0.0405	0.003					1	mg/l	lb/d			
14M. Cyanide, Total (57-12-5)	X		X	<0.020						1	mg/l				
15M. Phenols, Total	X		X	<0.005						1	mg/l				
<b>DIOXIN</b>															
2,3,7,8-Tetra-chlorodibenzo-P-Dioxin (1764-01-6)			X												

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1. POLLUTANT AND CAS NO. (If available)	MARK 'X'			3. EFFLUENT						4. UNITS		5. INTAKE (optional)			
	a. Testing Required	a. Believed Present	b. Believed Absent	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (If available)		c. LONG TERM AVRG. VALUE (If available)		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
<b>GC/MS FRACTION - VOLATILE COMPOUNDS</b>															
1V. Acrolein (107-02-8)	X		X	<0.020						1	mg/l				
2V. Acrylonitrile (107-13-1)	X		X	<0.020						1	mg/l				
3V. Benzene (71-43-2)	X		X	<0.005						1	mg/l				
4V. Bis (Chloromethyl) Ether (542-88-1)			X												
5V. Bromoform (75-25-2)	X		X	<0.005						1	mg/l				
6V. Carbon Tetrachloride (56-23-5)	X		X	<0.005						1	mg/l				
7V. Chlorobenzene (108-90-7)	X		X	<0.005						1	mg/l				
8V. Chlorodibromomethane (124-48-1)	X		X	<0.005						1	mg/l				
9V. Chloroethane (75-08-3)	X		X	<0.005						1	mg/l				
10V. 2-Chloro-ethylvinyl Ether (110-75-8)	X		X	<0.020						1	mg/l				
11V. Chloroform (67-66-3)	X		X	0.0408 *	0.003					1	mg/l	lb/d			
12V. Dichlorobromomethane (75-27-4)	X		X	0.0076 *	0.001					1	mg/l	lb/d			
13V. Dichlorodifluoromethane (75-71-8)			X												
14V. 1,1-Dichloroethane (75-34-3)	X		X	<0.005						1	mg/l				
15V. 1,2-Dichloroethane (107-06-2)	X		X	<0.005						1	mg/l				
16V. 1,1-Dichloroethylene (75-35-4)	X		X	<0.005						1	mg/l				
17V. 1,2-Dichloropropane (78-87-5)	X		X	<0.005						1	mg/l				
18V. 1,3-Dichloropropylene (542-75-6)	X		X	<0.005						2	mg/l				
19V. Ethylbenzene (100-41-4)	X		X	<0.005						1	mg/l				
20V. Methyl Bromide (74-83-9)	X		X	<0.005						1	mg/l				
21V. Methyl Chloride (74-87-3)	X		X	<0.005						1	mg/l				

\* Waterford 3 is not a contributor. This is considered cross-contamination from the analytical laboratory.

1. POLLUTANT AND CAS NO. (if available)	MARK 'X'			3. EFFLUENT						4. UNITS		5. INTAKE (optional)			
	a. Testing Required	b. Believed Present	c. Believed Absent	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANALYSES	e. CONCENTRATION	f. MASS	g. LONG TERM AVERAGE VALUE		h. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
<b>GC/MS FRACTION - VOLATILE COMPOUNDS (continued)</b>															
22V. Methylene Chloride (75-09-2)	X		X	<0.005						1	mg/l				
23V. 1,1,2,2-Tetrachloroethane (79-34-5)	X		X	<0.005						1	mg/l				
24V. Tetrachloroethylene (127-18-4)	X		X	<0.005						1	mg/l				
25V. Toluene (108-88-3)	X		X	0.0039 *	0.0003					1	mg/l	lb/d			
26V. 1,2-Trans-Dichloroethylene (156-60-5)	X		X	<0.005						1	mg/l				
27V. 1,1,1-Trichloroethane (71-55-6)	X		X	<0.005						1	mg/l				
28V. 1,1,2-Trichloroethane (79-00-5)	X		X	<0.005						1	mg/l				
29V. Trichloroethylene (79-01-6)	X		X	<0.005						1	mg/l				
30V. Trichloro-fluoromethane (75-69-4)			X												
31V. Vinyl Chloride (75-01-4)	X		X	<0.005						1	mg/l				
<b>GC/MS FRACTION - ACID COMPOUNDS</b>															
1A. 2-Chlorophenol (95-57-8)	X		X	<0.010						1	mg/l				
2A. 2,4-Dichlorophenol (120-83-2)	X		X	<0.010						1	mg/l				
3A. 2,4-Dimethylphenol (105-67-9)	X		X	<0.010						1	mg/l				
4A. 4,6-Dinitro-O-Cresol (534-52-1)	X		X	<0.025						1	mg/l				
5A. 2,4-Dinitrophenol (51-28-5)	X		X	<0.025						1	mg/l				
6A. 2-Nitrophenol (88-75-5)	X		X	<0.010						1	mg/l				
7A. 4-Nitrophenol (100-02-7)	X		X	<0.025						1	mg/l				
8A. P-Chloro-M-Cresol (59-50-7)	X		X	<0.010						1	mg/l				
9A. Pentachlorophenol (87-86-5)	X		X	<0.025						1	mg/l				
10A. Phenol (108-95-2)	X		X	<0.010						1	mg/l				
11A. 2,4,6-Trichlorophenol (88-06-2)	X		X	<0.010						1	mg/l				

\* Waterford 3 is not a contributor. This is considered cross-contamination from the analytical laboratory.

EPA I.D. NUMBER (copy from Item 1 of Form 1) LA0007374	OUTFALL NUMBER 005
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1. POLLUTANT AND CAS NO. (if available)	MARK 'X'			3. EFFLUENT						4. UNITS		5. INTAKE (optional)			
	a. Test- ing Required	a. Be- lieved Present	b. Be- lieved Absent	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANAL- YSES	a. CONCEN- TRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANAL- YSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
<b>GC/MS FRACTION - BASE/NEUTRAL COMPOUNDS</b>															
1B. Acenaphthene (83-32-9)	X		X	<0.010						1	mg/l				
2B. Acenaphthylene (208-96-8)	X		X	<0.010						1	mg/l				
3B. Anthracene (120-12-7)	X		X	<0.010						1	mg/l				
4B. Benzidine (92-87-5)	X		X	<0.030						1	mg/l				
5B. Benzo (a) Anthracene (56-55-3)	X		X	<0.010						1	mg/l				
6B. Benzo (a) Pyrene (50-32-8)	X		X	<0.010						1	mg/l				
7B. 3,4-Benzofluoranthene (205-99-2)	X		X	<0.010						1	mg/l				
8B. Benzo (ghi) Perylene (191-24-2)	X		X	<0.010						1	mg/l				
9B. Benzo (k) Fluoranthene (207-08-9)	X		X	<0.010						1	mg/l				
10B. Bis (2-Chloro-ethoxy) Methane (111-91-1)	X		X	<0.010						1	mg/l				
11B. Bis (2-Chloromethyl) Ether (111-44-4)	X		X	<0.010						1	mg/l				
12B. Bis (2-Chloroisopropyl) Ether (108-60-1)	X		X	<0.010						1	mg/l				
13B. Bis (2-Ethylhexyl) Phthalate (117-81-7)	X		X	<0.010						1	mg/l				
14B. 4-Bromo-phenyl Phenyl Ether (101-55-3)	X		X	<0.010						1	mg/l				
15B. Butyl Benzyl Phthalate (85-68-7)	X		X	<0.010						1	mg/l				
16B. 2-Chloro-naphthalene (91-58-7)	X		X	<0.010						1	mg/l				
17B. 4-Chloro-phenyl Phenyl Ether (7005-72-3)	X		X	<0.010						1	mg/l				
18B. Chrysene (218-01-9)	X		X	<0.010						1	mg/l				
19B. Dibenzo (a,h) Anthracene (53-70-3)	X		X	<0.010						1	mg/l				
20B. 1,2-Dichlorobenzene (95-50-1)	X		X	<0.010						1	mg/l				
21B. 1,3-Dichlorobenzene (541-73-1)	X		X	<0.010						1	mg/l				



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1. POLLUTANT AND CAS NO. (if available)	MARK 'X'			3. EFFLUENT						4. UNITS		5. INTAKE (optional)			
	a. Testing Required	b. Believed Present	c. Believed Absent	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	e. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
GC/MS FRACTION - BASE/NEUTRAL COMPOUNDS (continued)															
22B. 1,4-Dichlorobenzene (106-46-7)	X		X	<0.010						1	mg/l				
23B. 3,3'-Dichlorobenzidine (91-94-1)	X		X	<0.020						1	mg/l				
24B. Diethyl Phthalate (84-66-2)	X		X	<0.010						1	mg/l				
25B. Dimethyl Phthalate (131-11-3)	X		X	<0.010						1	mg/l				
26B. Di-N-Butyl Phthalate (84-74-2)	X		X	<0.010						1	mg/l				
27B. 2,4-Dinitrotoluene (121-14-2)	X		X	<0.010						1	mg/l				
28B. 2,6-Dinitrotoluene (606-20-2)	X		X	<0.010						1	mg/l				
29B. Di-N-Octyl Phthalate (117-84-0)	X		X	<0.010						1	mg/l				
30B. 1,2-Diphenyl-hydrazone (as Arso-benzene) (122-66-7)	X		X	<0.010						1	mg/l				
31B. Fluoranthene (206-44-0)	X		X	<0.010						1	mg/l				
32B. Fluorene (86-73-7)	X		X	<0.010						1	mg/l				
33B. Hexachlorobenzene (118-74-1)	X		X	<0.010						1	mg/l				
34B. Hexachlorobutadiene (87-68-3)	X		X	<0.010						1	mg/l				
35B. Hexachlorocyclopentadiene (77-47-4)	X		X	<0.010						1	mg/l				
36B. Hexachloroethane (67-72-1)	X		X	<0.010						1	mg/l				
37B. Ideno (1,2,3-cd) Pyrene (193-39-5)	X		X	<0.010						1	mg/l				
38B. Isophorone (78-59-1)	X		X	<0.010						1	mg/l				
39B. Naphthalene (91-20-3)	X		X	<0.010						1	mg/l				
40B. Nitrobenzene (98-95-3)	X		X	<0.010						1	mg/l				
41B. N-Nitro-sodi-methylamine(62-75-9)	X		X	<0.010						1	mg/l				
42B. N-Nitrosodi-N-Propylamine (621-64-7)	X		X	<0.010						1	mg/l				

EPA ID. NUMBER (copy from Item 1 of Form 1) LA0007374

OUTFALL NUMBER 005

OMB No. 2040-0096  
Approval Expires 7-31-88

1. POLLUTANT AND CAS NO. (if available)	MARK 'X'			3. EFFLUENT						4. UNITS		5. INTAKE (optional)			
	a. Test- ing Required	b. Be- lieved Present	c. Be- lieved Absent	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANAL- YSES	e. CONCENTRATION	f. MASS	g. LONG TERM AVERAGE VALUE		h. NO. OF ANAL- YSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
<b>GC/MS FRACTION - BASE/NEUTRAL COMPOUNDS (Continued)</b>															
43B. N-Nitrosodiphenylamine (86-30-6)	X		X	<0.010						1	mg/l				
44B. Phenanthrene (85-01-8)	X		X	<0.010						1	mg/l				
45B. Pyrene (129-00-0)	X		X	<0.010						1	mg/l				
46B. 1,2,4-Trichlorobenzene (120-82-1)	X		X	<0.010						1	mg/l				
<b>GC/MS FRACTION - PESTICIDES</b>															
1P. Aklon (309-00-2)			X												
2P. α-BHC (319-84-6)			X												
3P. β-BHC (319-85-7)			X												
4P. γ-BHC (58-89-9)			X												
5P. δ-BHC (319-86-8)			X												
6P. Chlorlone (57-74-9)			X												
7P. 4,4'-DDT (50-29-3)			X												
8P. 4,4'-DDE (72-55-9)			X												
9P. 4,4'-DDD (72-54-8)			X												
10P. Dieldrin (60-57-1)			X												
11P. α-Endosulfan (115-29-7)			X												
12P. β-Endosulfan (115-29-7)			X												
13P. Endosulfan Sulfate (1031-07-8)			X												
14P. Endrin (72-20-8)			X												
15P. Endrin Aldehyde (7421-93-4)			X												
16P. Heptachlor (76-44-8)			X												

EPA I.D. NUMBER (copy from Item 1 of Form 1) LA0007374  
 OUTFALL NUMBER 005

OMB No. 2040-0086  
 Approval Expires 7-31-88

1. POLLUTANT AND CAS NO. (if available)	MARK 'X'			3. EFFLUENT								4. UNITS		5. INTAKE (optional)	
	a. Testing Required	a. Believed Present	b. Believed Absent	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
<b>GC/MS FRACTION - PESTICIDES (continued)</b>															
17P. Heptachlor Epoxide (1024-57-3)			X												
18P. PCB-1242 (53469-21-9)			X												
19P. PCB-1254 (11097-69-1)			X												
20P. PCB-1221 (11104-28-2)			X												
21P. PCB-1232 (11141-16-5)			X												
22P. PCB-124R (12672-29-6)			X												
23P. PCB-1260 (11096-82-5)			X												
24P. PCB-1016 (12674-11-2)			X												
25P. Toxaphene (8001-35-2)			X												

PLEASE PRINT OR TYPE IN THE UNSHADED AREAS ONLY. You may report some or all of this information on separate sheets (use the same format) instead of completing these pages. SEE INSTRUCTIONS

EPA I.D. NUMBER (copy from Item 1 of Form 1)  
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V. INTAKE AND EFFLUENT CHARACTERISTICS (continued from page 3 of Form 2-C) Outfall No. 101

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

1. POLLUTANT	2. Effluent						3. UNITS (specify if blank)		4. INTAKE (optional)			
	a. MAXIMUM DAILY VALUE (if available)		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO OF ANALYSES
	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
a. Biochemical Oxygen Demand (BOD)	<2.0						1	mg/l				
b. Chemical Oxygen Demand (COD)	<5.0						1	mg/l				
c. Total Organic Carbon (TOC)	<1.0						1	mg/l				
d. Total Suspended Solids (TSS)	0.0						12	mg/l				
e. Ammonia (as N)	<0.10						1	mg/l				
f. Flow	VALUE 0.0134		VALUE 0.0134		VALUE 0.0131		12		MGD	VALUE N/A		
g. Temperature (winter)	VALUE N/A		VALUE N/A						°C	VALUE N/A		
h. Temperature (summer)	VALUE N/A		VALUE N/A		VALUE N/A				°C			
i. pH	MINIMUM 6.02	MAXIMUM 7.38	MINIMUM N/A	MAXIMUM N/A			24		STANDARD UNITS			

PART B - Mark "X" in column 2-a for each pollutant you know or have reason to believe is present. Mark "X" in column 2-b for each pollutant you believe to be absent. If you mark column 2a for any pollutant which is limited either directly, or indirectly but expressly, in an effluent limitations guideline, you must provide the results of at least one analysis for that pollutant. For other pollutants for which you mark column 2a, you must provide quantitative data or an explanation of their presence in your discharge. Complete one table for each outfall. See requirements.

1. POLLUTANT AND CAS NO. (if available)	MARK "X"		3. EFFLUENT						4. UNITS		5. INTAKE			
	a. Believed Present	b. Believed Absent	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
			(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
a. Bromide (24959-67-9)		X												
b. Chlorine Total Residual		X												
c. Color	X		8.0					1	COLOR UNITS					
d. Fecal Coliform		X												
e. Fluoride (16984-48-8)		X												
f. Nitrate-Nitrite (as N)		X	<0.10					1	mg/l					

EPA ID. NUMBER (copy from Item 1 of Form 1) LA0007374	OUTFALL NUMBER 101
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Form Approved.  
OMB No. 2040-0046  
Approval Expires 7-31-88

1. POLLUTANT AND CAS NO. (if available)	MARK "X"		3. EFFLUENT						4. UNITS		5. INTAKE			
	a. Be- lieved Present	b. Be- lieved Absent	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANALYSES	e. CONCEN- TRATION	f. MASS	g. LONG TERM AVERAGE VALUE		h. NO. OF ANALYSES
			(1) CONCENTRATION	(2) MASS	(1) CONCEN- TRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
g. Nitrogen, Total Organic (as N)		X												
h. Oil and Grease		X	0.0						12	mg/l				
i. Phosphorus (as P), Total (7723-14-0)	X		0.030	0.003					1	mg/l	Lb/d			
j. Radioactivity	X													
(1) Alpha, Total	X		2.5						1	pCi/l				
(2) Beta, Total	X		537						1	pCi/l				
(3) Radium, Total		X												
(4) Radium 226, Total		X												
k. Sulfate (as SO <sub>4</sub> ) (14808-798)		X	<10						1	mg/l				
l. Sulfide (as S)		X												
m. Sulfite (as SO <sub>3</sub> ) (14265-45-3)		X												
n. Surfactants		X	<0.025						1	mg/l				
o. Aluminum, Total (7429-90-5)		X	<0.050						1	mg/l				
p. Barium, Total (7440-39-3)		X	<0.010						1	mg/l				
q. Boron, Total (7440-42-8)	X		299	32.7	299	32.7	73	8.0	12	mg/l	lb/d			
r. Cobalt, Total (7440-48-4)		X												
s. Iron, Total (7439-89-6)	X		0.13	0.014					1	mg/l	lb/d			
t. Magnesium, Total (7439-95-4)		X	<0.20						1	mg/l				
u. Molybdenum, Total (7439-98-7)	X		0.069	0.008					1	mg/l	lb/d			
v. Manganese, Total (7439-96-5)		X												
w. Tin, Total (7440-31-5)		X												
x. Titanium, Total (7440-32-6)		X												

EPA ID. NUMBER (copy from Item 1 of Form 1) LA0007374	OUTFALL NUMBER 101
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**PART C -** If you are a primary industry and this outfall contains process wastewater, refer to Table 2c-2 in the instructions to determine which of the GC/MS fractions you must test for. Mark "X" in column 2-a for all such GC/MS fractions that apply to your industry and for ALL toxic metals, cyanides, and total phenols. If you are not required to mark column 2-a (secondary industries, nonprocess wastewater outfalls, and nonrequired GC/MS fractions), mark "X" in column 2-b for each pollutant you know or have reason to believe is present. Mark "X" in column 2-c for each pollutant you believe is absent. If you mark column 2a for any pollutant, you must provide the results of at least one analysis for that pollutant. If you mark column 2b for any pollutant, you must provide the results of at least one analysis for that pollutant if you know or have reason to believe that you discharge in concentrations of 10 ppb or greater. If you mark column 2c for acrolein, acrylonitrile, 2,4 dinitrophenol, or 2-methyl-4, 6 dinitrophenol, you must provide the results of at least one analysis for each of these pollutants which you know or have reason to believe that you discharge in concentrations of 100 ppb or greater. Otherwise, for pollutants for which you mark column 2b, you must either submit at least one analysis or briefly describe the reasons the pollutant is expected to be discharged. Note that there are 7 pages to this part; please review each carefully. Complete one table (all 7 pages) for each outfall. See instructions for additional details and requirements.

1. POLLUTANT AND CAS NO. (if available)	MARK "X"			3. EFFLUENT						4. UNITS		5. INTAKE (optional)			
	a. Testing Required	b. Believed Present	c. Believed Absent	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
<b>METALS, CYANIDE, AND TOTAL PHENOLS</b>															
1M. Antimony, Total (7440-36-0)	X		X	<0.005						1	mg/l				
2M. Arsenic, Total (7440-38-2)	X		X	<0.005						1	mg/l				
3M. Beryllium, Total (7440-41-7)	X		X	<0.001						1	mg/l				
4M. Cadmium, Total (7440-43-9)	X		X	<0.001						1	mg/l				
5M. Chromium, Total (7440-47-3)	X		X	<0.005						1	mg/l				
6M. Copper, Total (7440-50-8)	X	X		0.013	0.001					1	mg/l	lb/d			
7M. Lead, Total (7439-92-1)	X		X	0.0071*	0.001					1	mg/l	lb/d			
8M. Mercury, Total (7439-97-6)	X		X	0.0017*	0.0002					1	mg/l	lb/d			
9M. Nickel, Total (7440-02-0)	X		X	<0.010						1	mg/l				
10M. Selenium, Total (7782-49-2)	X		X	<0.005						1	mg/l				
11M. Silver, Total (7440-22-4)	X	X		0.075	0.008					1	mg/l	lb/d			
12M. Thallium, Total (7440-28-0)	X		X	<0.010						1	mg/l				
13M. Zinc, Total (7440-66-6)	X		X	<0.010						1	mg/l				
14M. Cyanide, Total (57-12-3)	X		X	<0.005						1	mg/l				
15M. Phenols, Total	X		X	<0.005						1	mg/l				
<b>DIOXIN</b>															
2,3,7,8-Tetrachlorodibenzo-P-Dioxin (1764-01-6)			X	INDETERMINATE											

\* Waterford 3 is not a contributor. This is considered background levels from the Mississippi River.

1. POLLUTANT AND CAS NO. (if available)	MARK 'X'			3. EFFLUENT						4. UNITS		5. INTAKE (optional)			
	a. Testing Required	b. Believed Present	c. Believed Absent	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
GC/MS FRACTION - VOLATILE COMPOUNDS															
1V. Acrolein (107-02-8)	X		X	<0.050						1	mg/l				
2V. Acrylonitrile (107-13-1)	X		X	<0.010						1	mg/l				
3V. Benzene (71-43-2)	X		X	<0.005						1	mg/l				
4V. Bis (Chloromethyl) Ether (542-88-1)			X												
5V. Bromoform (75-25-2)	X		X	<0.005						1	mg/l				
6V. Carbon Tetrachloride (56-23-5)	X		X	<0.005						1	mg/l				
7V. Chlorobenzene (108-90-7)	X		X	<0.005						1	mg/l				
8V. Chlorodibromomethane (124-48-1)	X		X	<0.005						1	mg/l				
9V. Chloroethane (75-00-3)	X		X	<0.005						1	mg/l				
10V. 2-Chloro-ethylvinyl Ether (110-75-8)	X		X	<0.010						1	mg/l				
11V. Chloroform (67-66-3)	X		X	0.0082 *	0.001					1	mg/l	lb/d			
12V. Dichlorobromomethane (75-27-4)	X		X	<0.005						1	mg/l				
13V. Dichlorodifluoromethane (75-71-8)	X		X	<0.005						1	mg/l				
14V. 1,1-Dichloroethane (75-34-3)	X		X	<0.005						1	mg/l				
15V. 1,2-Dichloroethane (107-06-2)	X		X	<0.005						1	mg/l				
16V. 1,1-Dichloroethylene (75-35-4)	X		X	<0.005						1	mg/l				
17V. 1,2-Dichloropropane (78-87-5)	X		X	<0.005						1	mg/l				
18V. 1,3-Dichloropropylene (542-75-6)	X		X	<0.005						2	mg/l				
19V. Ethylbenzene (100-41-4)	X		X	<0.005						1	mg/l				
20V. Methyl Bromide (74-83-9)	X		X	<0.005						1	mg/l				
21V. Methyl Chloride (74-87-3)	X		X	<0.005						1	mg/l				

EPA I.D. NUMBER (copy from Item 1 of Form 1) LA0007374	OUTFALL NUMBER 101
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OMB No. 2040-0086  
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1. POLLUTANT AND CAS NO. (if available)	MARK 'X'			3. EFFLUENT						4. UNITS		5. INTAKE (optional)			
	a. Testing Required	b. Believed Present	c. Believed Absent	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANALYSES	e. CONCENTRATION	f. MASS	g. LONG TERM AVERAGE VALUE		h. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
<b>GC/MS FRACTION - VOLATILE COMPOUNDS (continued)</b>															
22V. MethyleneChloride (75-09-2)	X		X	<0.005						1	mg/l				
23V. 1,1,2,2-Tetrachloroethane (79-34-5)	X		X	<0.005						1	mg/l				
24V. Tetrachloromethylene (127-18-4)	X		X	<0.005						1	mg/l				
25V. Toluene (108-88-3)	X		X	<0.005						1	mg/l				
26V. 1,2-Trans-Dichloroethylene (156-60-5)	X		X	<0.005						1	mg/l				
27V. 1,1,1-Trichloroethane (71-55-6)	X		X	<0.005						1	mg/l				
28V. 1,1,2-Trichloroethane (79-00-5)	X		X	<0.005						1	mg/l				
29V. Trichloroethylene (79-01-6)	X		X	<0.005						1	mg/l				
30V. Trichloro-fluoromethane (75-69-4)	X		X	<0.005						1	mg/l				
31V. Vinyl Chloride (75-01-4)	X		X	<0.005						1	mg/l				
<b>GC/MS FRACTION - ACID COMPOUNDS</b>															
1A. 2-Chlorophenol (95-57-8)	X		X	<0.010						1	mg/l				
2A. 2,4-Dichlorophenol (120-83-2)	X		X	<0.010						1	mg/l				
3A. 2,4-Dimethylphenol (105-67-9)	X		X	<0.010						1	mg/l				
4A. 4,6-Dinitro-O-Cresol (534-52-1)	X		X	<0.025						1	mg/l				
5A. 2,4-Dinitrophenol (51-28-3)	X		X	<0.025						1	mg/l				
6A. 2-Nitrophenol (88-73-3)	X		X	<0.010						1	mg/l				
7A. 4-Nitrophenol (100-02-7)	X		X	<0.025						1	mg/l				
8A. P-Chloro-M-Cresol (59-50-7)	X		X	<0.010						1	mg/l				
9A. Pentachlorophenol (87-86-3)	X		X	<0.025						1	mg/l				
10A. Phenol (108-95-2)	X		X	<0.010						1	mg/l				
11A. 2,4,6-Trichlorophenol (88-06-2)	X		X	<0.010						1	mg/l				



EPA I.D. NUMBER (copy from Item 1 of Form 1) LA0007374	OUTFALL NUMBER 101
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Form Approved  
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I. POLLUTANT AND CAS NO. (If available)	MARK 'X'			J. EFFLUENT						4. UNITS		5. INTAKE (optional)			
	a. Testing Required	b. Believed Present	c. Believed Absent	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (If available)		c. LONG TERM AVRG. VALUE (If available)		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
<b>GC/MS FRACTION - BASE/NEUTRAL COMPOUNDS</b>															
1B. Acenaphthene (83-32-9)	X		X	<0.010						1	mg/l				
2B. Acenaphthylene (208-96-8)	X		X	<0.010						1	mg/l				
3B. Anthracene (120-12-7)	X		X	<0.010						1	mg/l				
4B. Benzidine (92-87-5)	X		X	<0.050						1	mg/l				
5B. Benzo (a) Anthracene (56-55-3)	X		X	<0.010						1	mg/l				
6B. Benzo (a) Pyrene (50-32-8)	X		X	<0.010						1	mg/l				
7B. 3,4-Benzofluoranthene (205-99-2)	X		X	<0.010						1	mg/l				
8B. Benzo (ghi) Perylene (191-24-2)	X		X	<0.010						1	mg/l				
9B. Benzo (k) Fluoranthene (207-08-9)	X		X	<0.010						1	mg/l				
10B. Bis (2-Chloro-ethyl) Methane (111-91-1)	X		X	<0.010						1	mg/l				
11B. Bis (2-Chloroethyl) Ether (111-44-4)	X		X	<0.010						1	mg/l				
12B. Bis (2-Chloroisopropyl) Ether (102-60-1)	X		X	<0.010						1	mg/l				
13B. Bis (2-Ethylhexyl) Phthalate (111-81-7)	X		X	<0.010						1	mg/l				
14B. 4-Bromo-phenyl Phenyl Ether (101-55-3)	X		X	<0.010						1	mg/l				
15B. Butyl Benzyl Phthalate (85-68-7)	X		X	<0.010						1	mg/l				
16B. 2-Chloro-naphthalene (91-58-7)	X		X	<0.010						1	mg/l				
17B. 4-Chloro-phenyl Phenyl Ether (7005-72-3)	X		X	<0.010						1	mg/l				
18B. Chrysene (218-01-9)	X		X	<0.010						1	mg/l				
19B. Dibenzo (a,h) Anthracene (53-70-3)	X		X	<0.010						1	mg/l				
20B. 1,2-Dichlorobenzene (95-50-1)	X		X	<0.010						1	mg/l				
21B. 1,3-Dichlorobenzene (541-73-1)	X		X	<0.010						1	mg/l				

1. POLLUTANT AND CAS NO. (if available)	MARK 'X'		3. EFFLUENT				4. UNITS				5. INTAKE (optional)	
	a. Testing Required	b. Re-ceived Present	a. MAXIMUM DAILY VALUE (1) CONCENTRATION	b. MAXIMUM 30 DAY VALUE (if available) (1) CONCENTRATION	c. LONG TERM AVRG. VALUE (if available)		a. CONCEN-TRATION	b. MASS	b. LONG TERM AVERAGE VALUE		b. NO. OF ANAL- YSES	
					(1) CONCENTRATION	(2) MASS			(1) CONCENTRATION	(2) MASS		
<b>GC/MS FRACTION - BASE/NEUTRAL COMPOUNDS (continued)</b>												
22B. 1,4-Dichlorobenzene (106-46-7)	X	X	<0.010							1	mg/l	
23B. 3,3'-Dichlorobenzidine (91-94-1)	X	X	<0.010							1	mg/l	
24B. Diethyl Phthalate (84-66-2)	X	X	<0.010							1	mg/l	
25B. Dimethyl Phthalate (131-11-3)	X	X	<0.010							1	mg/l	
26B. Di-N-Butyl Phthalate (84-74-2)	X	X	<0.010							1	mg/l	
27B. 2,4-Dimethylbenzene (121-14-2)	X	X	<0.010							1	mg/l	
28B. 2,6-Dimethylbenzene (906-20-2)	X	X	<0.010							1	mg/l	
29B. Di-N-Octyl Phthalate (117-84-0)	X	X	<0.010							1	mg/l	
30B. 1,2-Diphenylhydrazine (or. An. Benzene) (122-66-7)	X	X	<0.010							1	mg/l	
31B. Fluoranthene (206-44-0)	X	X	<0.010							1	mg/l	
32B. Fluorene (86-73-7)	X	X	<0.010							1	mg/l	
33B. Hexachlorobenzene (118-74-1)	X	X	<0.010							1	mg/l	
34B. Hexachlorobutadiene (87-68-3)	X	X	<0.010							1	mg/l	
35B. Hexachlorocyclopentadiene (77-47-4)	X	X	<0.010							1	mg/l	
36B. Hexachloroethane (67-72-1)	X	X	<0.010							1	mg/l	
37B. Iseno (1,2,3,4-d) Pyrene (193-39-5)	X	X	<0.010							1	mg/l	
38B. Isophorone (78-59-1)	X	X	<0.010							1	mg/l	
39B. Naphthalene (91-20-3)	X	X	<0.010							1	mg/l	
40B. Nitrobenzene (98-95-3)	X	X	<0.010							1	mg/l	
41B. N-Nitrosodimethylamine (62-75-9)	X	X	<0.010							1	mg/l	
42B. N-Nitrosodi-N-Propylamine (621-64-7)	X	X	<0.010							1	mg/l	

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OUTFALL NUMBER 101

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Approval Expires 7-31-88

1. POLLUTANT AND CAS NO. (if available)	MARK 'X'			3. EFFLUENT						4. UNITS		5. INTAKE (optional)			
	a. Test- ing Required	b. Be- lieved Present	c. Be- lieved Absent	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANAL- YSES	a. CONCENT- TRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANAL- YSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
<b>GC/MS FRACTION - BASE/NEUTRAL COMPOUNDS (Continued)</b>															
43B. N-Nitrosodiphenylamine (86-30-6)	X		X	<0.010						1	mg/l				
44B. Phenanthrene (85-01-8)	X		X	<0.010						1	mg/l				
45B. Pyrene (129-00-0)	X		X	<0.010						1	mg/l				
46B. 1,2,4-Tri-chlorobenzene (120-82-1)	X		X	<0.010						1	mg/l				
<b>GC/MS FRACTION - PESTICIDES</b>															
1P. Aldrin (309-00-2)			X												
2P. α-BHC (319-84-6)			X												
3P. β-BHC (319-85-7)			X												
4P. γ-BHC (58-89-9)			X												
5P. δ-BHC (319-86-8)			X												
6P. Chlordane (57-74-9)			X												
7P. 4,4'-DDT (50-29-3)			X												
8P. 4,4'-DDE (72-55-9)			X												
9P. 4,4'-DDD (72-54-8)			X												
10P. Dieldrin (60-57-1)			X												
11P. α-Endosulfan (115-29-7)			X												
12P. β-Endosulfan (115-29-7)			X												
13P. Endosulfan Sulfate (1031-07-8)			X												
14P. Endrin (72-20-8)			X												
15P. Endrin Aldehyde (7421-93-4)			X												
16P. Heptachlor (76-44-8)			X												

CONTINUED FROM PAGE V-8

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1. POLLUTANT AND CAS NO. (if available)	MARK 'X'			3. EFFLUENT						4. UNITS		5. INTAKE (optional)			
	a. Testing Required	a. Believed Present	b. Believed Absent	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
<b>GC/MS FRACTION - PESTICIDES (continued)</b>															
17P. Heptachlor Epoxide (1024-57-3)			X												
18P. PCB-1242 (53469-21-9)			X												
19P. PCB-1254 (11097-69-1)			X												
20P. PCB-1221 (11104-28-2)			X												
21P. PCB-1232 (11141-16-5)			X												
22P. PCB-1248 (12672-29-6)			X												
23P. PCB-1260 (11096-82-5)			X												
24P. PCB-1016 (12674-11-2)			X												
25P. Toxaphene (8001-35-2)			X												

PLEASE PRINT OR TYPE IN THE UNSHADED AREAS ONLY. You may report some or all of this information on separate sheets (use the same format) instead of completing these pages. SEE INSTRUCTIONS

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V. INTAKE AND EFFLUENT CHARACTERISTICS (continued from page 3 of Form 2-C) Outfall No. 104

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

1. POLLUTANT	2. Effluent						3. UNITS (specify if blank)		4. INTAKE (optional)			
	a. MAXIMUM DAILY VALUE (if available)		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO OF ANALYSES
	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
a. Biochemical Oxygen Demand (BOD)	12.6	5.81					1	mg/l	lb/d			
b. Chemical Oxygen Demand (COD)	18.6	8.58					1	mg/l	lb/d			
c. Total Organic Carbon (TOC)	4.60	2.12					1	mg/l	lb/d			
d. Total Suspended Solids (TSS)	56.0	25.83					12	mg/l	lb/d			
e. Ammonia (as N)	28.3	13.05					1	mg/l	lb/d			
f. Flow	VALUE 0.1350		VALUE 0.1350		VALUE 0.0553		12		MGD	VALUE N/A		
g. Temperature (winter)	VALUE N/A		VALUE N/A						°C	VALUE N/A		
h. Temperature (summer)	VALUE N/A		VALUE N/A		VALUE N/A				°C			
i. pH	MINIMUM 6.54	MAXIMUM 8.98	MINIMUM N/A	MAXIMUM N/A			24		STANDARD UNITS			

PART B - Mark "X" in column 2-a for each pollutant you know or have reason to believe is present. Mark "X" in column 2-b for each pollutant you believe to be absent. If you mark column 2a for any pollutant which is limited either directly, or indirectly but expressly, in an effluent limitations guideline, you must provide the results of at least one analysis for that pollutant. For other pollutants for which you mark column 2a, you must provide quantitative data or an explanation of their presence in your discharge. Complete one table for each outfall. See the instructions for additional details and requirements.

1. POLLUTANT AND CAS NO. (if available)	MARK "X"		3. EFFLUENT						4. UNITS		5. INTAKE			
	a. Believed Present	b. Believed Absent	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
			(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
a. Bromide (24959-67-9)		X												
b. Chlorine Total Residual		X												
c. Color	X		10					1	COLOR UNITS					
d. Fecal Coliform		X												
e. Fluoride (16984-48-8)		X												
f. Nitrate-Nitrite (as N)	X		0.670	0.31				1	mg/l	lb/d				

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1. POLLUTANT AND CAS NO. (if available)	MARK "X"		3. EFFLUENT				4. UNITS		5. INTAKE					
	a. Be- lieved Present	b. Be- lieved Absent	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
			(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
g. Nitrogen, Total Organic (as N)	X													
h. Oil and Grease	X		19.0	8.76				12	mg/l	lb/d				
i. Phosphorus (as P), Total (7723-14-0)	X		9.60	4.43				1	mg/l	lb/d				
j. Radioactivity	X													
(1) Alpha, Total		X	<0.76					1	pCi/l					
(2) Beta, Total		X	<1.16					1	pCi/l					
(3) Radium, Total		X												
(4) Radium 226, Total		X												
k. Sulfate (as SO <sub>4</sub> ) (14808-798)	X		<2.0					1	mg/l					
l. Sulfite (as S)	X		0.020	0.01				1	mg/l	lb/d				
m. Sulfite (as SO <sub>3</sub> ) (14263-45-3)	X		<2.0					1	mg/l					
n. Surfactants		X	<0.040					1	mg/l					
o. Aluminum, Total (7429-90-5)		X	<0.20					1	mg/l					
p. Barium, Total (7440-39-3)		X	<0.20					1	mg/l					
q. Boron, Total (7440-42-8)		X												
r. Cobalt, Total (7440-48-4)		X												
s. Iron, Total (7439-89-6)	X		0.246	0.11				1	mg/l	lb/d				
t. Magnesium, Total (7439-95-4)	X		1.83	0.84				1	mg/l	lb/d				
u. Molybdenum, Total (7439-98-7)	X		0.0846	0.04				1	mg/l	lb/d				
v. Manganese, Total (7439-96-5)		X												
w. Tin, Total (7440-31-5)		X												
x. Titanium, Total (7440-32-6)		X												

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**PART C -** If you are a primary industry and this outfall contains process wastewater, refer to Table 2c-2 in the instructions to determine which of the GC/MS fractions you must test for. Mark "X" in column 2-a for all such GC/MS fractions that apply to your industry and for ALL toxic metals, cyanides, and total phenols. If you are not required to mark column 2-a (secondary industries, nonprocess wastewater outfalls, and nonrequired GC/MS fractions), mark "X" in column 2-b for each pollutant you know or have reason to believe is present. Mark "X" in column 2-c for each pollutant you believe is absent. If you mark column 2a for any pollutant, you must provide the results of at least one analysis for that pollutant. If you mark column 2b for any pollutant, you must provide the results of at least one analysis for that pollutant if you know or have reason to believe it will be discharged in concentrations of 10 ppb or greater. If you mark column 2c for acrolein, acrylonitrile, 2,4 dinitrophenol, or 2-methyl-4, 6 dinitrophenol, you must provide the results of at least one analysis for each of these pollutants which you know or have reason to believe that you discharge in concentrations of 100 ppb or greater. Otherwise, for pollutants for which you mark column 2b, you must either submit at least one analysis or briefly describe the reasons the pollutant is expected to be discharged. Note that there are 7 pages to this part; please review each carefully. Complete one table (all 7 pages) for each outfall. See instructions for additional details and requirements.

1. POLLUTANT AND CAS NO. (if available)	MARK 'X'			3. EFFLUENT						4. UNITS		5. INTAKE (optional)			
	a. Testing Required	b. Believed Present	c. Believed Absent	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
<b>METALS, CYANIDE, AND TOTAL PHENOLS</b>															
1M. Antimony, Total (7440-36-0)	X		X	<0.060											
2M. Arsenic, Total (7440-38-2)	X		X	<0.010					1	mg/l					
3M. Beryllium, Total (7440-41-7)	X		X	<0.005					1	mg/l					
4M. Cadmium, Total (7440-43-9)	X		X	<0.001					1	mg/l					
5M. Chromium, Total (7440-47-3)	X		X	<0.010					1	mg/l					
6M. Copper, Total (7440-50-8)	X		X	0.00320	0.001				1	mg/l	lb/d				
7M. Lead, Total (7439-92-1)	X		X	0.00390 *	0.002				1	mg/l	lb/d				
8M. Mercury, Total (7439-97-6)	X		X	<0.0002					1	mg/l					
9M. Nickel, Total (7440-02-0)	X		X	<0.040					1	mg/l					
10M. Selenium, Total (7782-49-2)	X		X	0.00460	0.002				1	mg/l	lb/d				
11M. Silver, Total (7440-22-4)	X		X	<0.002					1	mg/l					
12M. Thallium, Total (7440-28-0)	X		X	<0.010					1	mg/l					
13M. Zinc, Total (7440-66-6)	X	X		0.0685	0.03				1	mg/l	lb/d				
14M. Cyanide, Total (57-12-5)	X		X	<0.010					1	mg/l					
15M. Phenols, Total	X		X	<0.005					1	mg/l					
<b>DIOXIN</b>															
2,3,7,8-Tetrachlorodibenzo-P-Dioxin (1764-01-6)			X												

\* Waterford 3 is not a contributor. This is considered background levels from the Mississippi River.

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1. POLLUTANT AND CAS NO. (if available)	MARK 'X'			3. EFFLUENT						4. UNITS		5. INTAKE (optional)			
	a. Testing Required	a. Believed Present	b. Believed Absent	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
<b>CC/MS FRACTION - VOLATILE COMPOUNDS</b>															
1V. Acrokin (107-02-8)	X		X	<0.020						1	mg/l				
2V. Acrylonitrile (107-13-1)	X		X	<0.020						1	mg/l				
3V. Benzene (71-43-2)	X		X	<0.005						1	mg/l				
4V. Bis (Chloromethyl) Ether (542-88-1)			X												
5V. Bromoform (75-25-2)	X		X	<0.005						1	mg/l				
6V. Carbon Tetrachloride (56-23-5)	X		X	<0.005						1	mg/l				
7V. Chlorobenzene (108-90-7)	X		X	<0.005						1	mg/l				
8V. Chlorodibromomethane (124-48-1)	X		X	<0.005						1	mg/l				
9V. Chloroethane (75-00-3)	X		X	<0.005						1	mg/l				
10V. 2-Chloro-ethylvinyl Ether (110-75-8)	X		X	<0.020						1	mg/l				
11V. Chloroform (67-66-3)	X		X	<0.005						1	mg/l				
12V. Dichlorobromomethane (75-27-4)	X		X	<0.005						1	mg/l				
13V. Dichlorodifluoromethane (75-71-8)			X												
14V. 1,1-Dichloroethane (75-34-3)	X		X	<0.005						1	mg/l				
15V. 1,2-Dichloromethane (107-06-2)	X		X	<0.005						1	mg/l				
16V. 1,1-Dichloroethylene (75-35-4)	X		X	<0.005						1	mg/l				
17V. 1,2-Dichloropropane (78-87-5)	X		X	<0.005						1	mg/l				
18V. 1,3-Dichloropropylene (542-75-6)	X		X	<0.005						2	mg/l				
19V. Ethylbenzene (100-41-4)	X		X	<0.005						1	mg/l				
20V. Methyl Bromide (74-83-9)	X		X	<0.005						1	mg/l				
21V. Methyl Chloride (74-87-3)	X		X	<0.005						1	mg/l				



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1. POLLUTANT AND CAS NO. (if available)	MARK 'X'			3. EFFLUENT						4. UNITS		5. INTAKE (optional)			
	a. Test- ing Required	b. Be- lieved Present	c. Be- lieved Absent	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANAL- YSES	a. CONCENT- TRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANAL- YSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
<b>GC/MS FRACTION - VOLATILE COMPOUNDS (continued)</b>															
22V. Methylene Chloride (75-09-2)	X		X	<0.005						1	mg/l				
23V. 1,1,2,2-Tetrachloroethane (79-34-5)	X		X	<0.005						1	mg/l				
24V. Tetrachloroethylene (127-18-4)	X		X	<0.005						1	mg/l				
25V. Toluene (108-88-3)	X		X	<0.005						1	mg/l				
26V. 1,2-Trans-Dichloroethylene (156-60-5)	X		X	<0.005						1	mg/l				
27V. 1,1,1-Trichloroethane (71-55-6)	X		X	<0.005						1	mg/l				
28V. 1,1,2-Trichloroethane (79-00-3)	X		X	<0.005						1	mg/l				
29V. Trichloroethylene (79-01-6)	X		X	<0.005						1	mg/l				
30V. Trichloro-fluoromethane (75-69-4)			X												
31V. Vinyl Chloride (75-01-4)	X		X	<0.005						1	mg/l				
<b>GC/MS FRACTION - ACID COMPOUNDS</b>															
1A. 2-Chlorophenol (95-57-8)	X		X	<0.010						1	mg/l				
2A. 2,4-Dichlorophenol (120-83-2)	X		X	<0.010						1	mg/l				
3A. 2,4-Dimethylphenol (105-67-9)	X		X	<0.010						1	mg/l				
4A. 4,6-Dinitro-O-Cresol (534-52-1)	X		X	<0.025						1	mg/l				
5A. 2,4-Dinitrophenol (51-28-5)	X		X	<0.025						1	mg/l				
6A. 2-Nitrophenol (88-75-3)	X		X	<0.010						1	mg/l				
7A. 4-Nitrophenol (100-02-7)	X		X	<0.025						1	mg/l				
8A. P-Chloro-M-Cresol (59-50-7)	X		X	<0.010						1	mg/l				
9A. Pentachlorophenol (87-86-3)	X		X	<0.025						1	mg/l				
10A. Phenol (108-95-2)	X		X	<0.010						1	mg/l				
11A. 2,4,6-Trichlorophenol (88-06-2)	X		X	<0.010						1	mg/l				

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1. POLLUTANT AND CAS NO. (if available)	MARK 'X'			3. EFFLUENT						4. UNITS		5. INTAKE (optional)			
	a. Testing Required	a. Believed Present	b. Believed Absent	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
<b>GC/MS FRACTION - BASE/NEUTRAL COMPOUNDS</b>															
1B. Acenaphthene (83-32-9)	X		X	<0.010						1	mg/l				
2B. Acenaphthylene (208-96-8)	X		X	<0.010						1	mg/l				
3B. Anthracene (120-12-7)	X		X	<0.010						1	mg/l				
4B. Benzidine (92-87-5)	X		X	<0.030						1	mg/l				
5B. Benzo (a) Anthracene (56-55-3)	X		X	<0.010						1	mg/l				
6B. Benzo (a) Pyrene (50-32-8)	X		X	<0.010						1	mg/l				
7B. 3,4-Benzofluoranthene (205-99-2)	X		X	<0.010						1	mg/l				
8B. Benzo (ghi) Perylene (191-24-2)	X		X	<0.010						1	mg/l				
9B. Benzo (k) Fluoranthene (207-08-9)	X		X	<0.010						1	mg/l				
10B. Bis (2-Chloro-ethyl) Methane (111-91-1)	X		X	<0.010						1	mg/l				
11B. Bis (2-Chloroethyl) Ether (111-44-4)	X		X	<0.010						1	mg/l				
12B. Bis (2-Chloroisopropyl) Ether (108-60-1)	X		X	<0.010						1	mg/l				
13B. Bis (2-Ethylhexyl) Phthalate (117-81-7)	X		X	<0.010						1	mg/l				
14B. 4-Bromo-phenyl Phenyl Ether (101-55-3)	X		X	<0.010						1	mg/l				
15B. Butyl Benzyl Phthalate (85-68-7)	X		X	<0.010						1	mg/l				
16B. 2-Chloro-naphthalene (91-58-7)	X		X	<0.010						1	mg/l				
17B. 4-Chloro-phenyl Phenyl Ether (7005-72-3)	X		X	<0.010						1	mg/l				
18B. Chrysene (218-01-9)	X		X	<0.010						1	mg/l				
19B. Dibenzo (a,h) Anthracene (53-70-3)	X		X	<0.010						1	mg/l				
20B. 1,2-Dichlorobenzene (95-50-1)	X		X	<0.010						1	mg/l				
21B. 1,3-Dichlorobenzene (541-73-1)	X		X	<0.010						1	mg/l				

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1. POLLUTANT AND CAS NO. (if available)	MARK 'X'			3. EFFLUENT						4. UNITS		5. INTAKE (optional)			
	a. Testing Required	b. Believed Present	c. Believed Absent	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
GC/MS FRACTION - BASE/NEUTRAL COMPOUNDS (continued)															
22B. 1,4-Dichlorobenzene (106-46-7)	X		X	<0.010						1	mg/l				
23B. 3,3'-Dichlorobenzidine (91-94-1)	X		X	<0.020						1	mg/l				
24B. Diethyl Phthalate (84-66-2)	X		X	<0.010						1	mg/l				
25B. Dimethyl Phthalate (131-11-3)	X		X	<0.010						1	mg/l				
26B. Di-N-Butyl Phthalate (84-74-2)	X		X	<0.010						1	mg/l				
27B. 2,4-Dinitrotoluene (121-14-2)	X		X	<0.010						1	mg/l				
28B. 2,6-Dinitrotoluene (606-20-2)	X		X	<0.010						1	mg/l				
29B. Di-N-Octyl Phthalate (117-84-0)	X		X	<0.010						1	mg/l				
30B. 1,2-Diphenyl-hydrazine (as Azo-Benzene) (122-66-7)	X		X	<0.010						1	mg/l				
31B. Fluoranthene (206-44-0)	X		X	<0.010						1	mg/l				
32B. Fluorene (86-73-7)	X		X	<0.010						1	mg/l				
33B. Hexachlorobenzene (118-74-1)	X		X	<0.010						1	mg/l				
34B. Hexachlorobutadiene (87-68-3)	X		X	<0.010						1	mg/l				
35B. Hexachlorocyclopentadiene (77-47-4)	X		X	<0.010						1	mg/l				
36B. Hexachloroethane (67-72-1)	X		X	<0.010						1	mg/l				
37B. Ideno (1,2,3-cd) Pyrene (193-39-5)	X		X	<0.010						1	mg/l				
38B. Isophorone (78-59-1)	X		X	<0.010						1	mg/l				
39B. Naphthalene (91-20-3)	X		X	<0.010						1	mg/l				
40B. Nitrobenzene (98-95-3)	X		X	<0.010						1	mg/l				
41B. N-Nitrosodi-methylamine(62-75-9)	X		X	<0.010						1	mg/l				
42B. N-Nitrosodi-N-Propylamine(621-64-7)	X		X	<0.010						1	mg/l				

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1. POLLUTANT AND CAS NO. (if available)	MARK 'X'			3. EFFLUENT						4. UNITS		5. INTAKE (optional)			
	a. Test- ing Required	a. Be- lieved Present	b. Be- lieved Absent	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANAL- YSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANAL- YSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
<b>GC/MS FRACTION - BASE/NEUTRAL COMPOUNDS (Continued)</b>															
43B. N-Nitrosodiphenylamine (86-30-6)	X		X	<0.010						1	mg/l				
44B. Phenanthrene (85-01-8)	X		X	<0.010						1	mg/l				
45B. Pyrene (129-00-0)	X		X	<0.010						1	mg/l				
46B. 1,2,4-Tr-chlorobenzene (120-82-1)	X		X	<0.010						1	mg/l				
<b>GC/MS FRACTION - PESTICIDES</b>															
1P. Aldrin (309-00-2)			X												
2P. α-BHC (319-84-6)			X												
3P. β-BHC (319-85-7)			X												
4P. γ-BHC (58-89-9)			X												
5P. δ-BHC (319-86-8)			X												
6P. Chlordane (57-74-9)			X												
7P. 4,4'-DDT (50-29-3)			X												
8P. 4,4'-DDE (72-55-9)			X												
9P. 4,4'-DDD (72-54-8)			X												
10P. Dieldrin (60-57-1)			X												
11P. α-Endosulfan (115-29-7)			X												
12P. β-Endosulfan (115-29-7)			X												
13P. Endosulfan Sulfate (1031-07-8)			X												
14P. Endrin (72-20-8)			X												
15P. Endrin Aldehyde (7421-93-4)			X												
16P. Heptachlor (76-44-8)			X												

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1. POLLUTANT AND CAS NO. (if available)	MARK 'X'			3. EFFLUENT						4. UNITS		5. INTAKE (optional)			
	a. Test- ing Required	b. Be- lieved Present	c. Be- lieved Absent	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANAL- YSES	a. CONCEN- TRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANAL- YSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
<b>GC/MS FRACTION - PESTICIDES (continued)</b>															
17P. Heptachlor Epoxide (1024-57-3)			X												
18P. PCB-1242 (53469-21-9)			X												
19P. PCB-1254 (11097-69-1)			X												
20P. PCB-1221 (11104-28-2)			X												
21P. PCB-1232 (11141-16-5)			X												
22P. PCB-124A (12672-29-6)			X												
23P. PCB-1260 (11096-82-5)			X												
24P. PCB-1016 (12674-11-2)			X												
25P. Toxaphene (8001-35-2)			X												

PLEASE PRINT OR TYPE IN THE UNSHADED AREAS ONLY. You may report some or all of this information on separate sheets (use the same format) instead of completing these pages. SEE INSTRUCTIONS

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V. INTAKE AND EFFLUENT CHARACTERISTICS (continued from page 3 of Form 2-C) Outfall No. 201

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

1. POLLUTANT	2. EFFLUENT						3. UNITS (specify if blank)		4. INTAKE (optional)			
	a. MAXIMUM DAILY VALUE (if available)		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO OF ANALYSES
	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
a. Biochemical Oxygen Demand (BOD)	<2.0						1	mg/l				
b. Chemical Oxygen Demand (COD)	8.5	0.89					1	mg/l	lb/d			
c. Total Organic Carbon (TOC)	1.5	0.16					1	mg/l	lb/d			
d. Total Suspended Solids (TSS)	0.0						2	mg/l				
e. Ammonia (as N)	<0.10						1	mg/l				
f. Flow	VALUE 0.0126		VALUE 0.0126		VALUE 0.0126		2		MGD	VALUE N/A		
g. Temperature (winter)	VALUE N/A		VALUE N/A						°C	VALUE N/A		
h. Temperature (summer)	VALUE N/A		VALUE N/A		VALUE N/A				°C			
i. pH	MINIMUM 6.15	MAXIMUM 7.77	MINIMUM N/A	MAXIMUM N/A			4	STANDARD UNITS				

PART B - Mark "X" in column 2-a for each pollutant you know or have reason to believe is present. Mark "X" in column 2-b for each pollutant you believe to be absent. If you mark column 2a for any pollutant which is limited either directly, or indirectly but expressly, in an effluent limitations guideline, you must provide the results of at least one analysis for that pollutant. For other pollutants for which you mark column 2a, you must provide quantitative data or an explanation of their presence in your discharge. Complete one table for each outfall. See requirements.

1. POLLUTANT AND CAS NO. (if available)	MARK 'X'		3. EFFLUENT						4. UNITS		5. INTAKE			
	a. Believed Present	b. Believed Absent	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
			(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
a. Bromide (24959-67-9)		X												
b. Chlorine Total Residual		X												
c. Color		X	<5.0						1	COLOR UNITS				
d. Fecal Coliform		X												
e. Fluoride (16984-48-8)		X												
f. Nitrate-Nitrite (as N)		X	<0.10						1	mg/l				

ITEM V-B CONTINUED FROM FRONT  
CONTINUED FROM PAGE V-1

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1. POLLUTANT AND CAS NO. (if available)	MARK "X"		3. EFFLUENT						4. UNITS		5. INTAKE			
	a. Be- lieved Present	b. Be- lieved Absent	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
			(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
g. Nitrogen, Total Organic (as N)		X												
h. Oil and Grease		X	0.0						2	mg/l				
i. Phosphorus (as P), Total (7723-14-0)		X	<0.010						1	mg/l				
j. Radioactivity	X													
(1) Alpha, Total	X		0.055						1	pCi/l				
(2) Beta, Total	X		7.56						1	pCi/l				
(3) Radium, Total		X												
(4) Radium 226, Total		X												
k. Sulfate (as SO <sub>4</sub> ) (14808-798)		X	<10						1	mg/l				
l. Sulfide (as S)		X												
m. Sulfite (as SO <sub>3</sub> ) (14265-45-3)		X												
n. Surfactants		X												
o. Aluminum, Total (7429-90-5)		X	<0.050						1	mg/l				
p. Barium, Total (7440-39-3)		X	<0.010						1	mg/l				
q. Boron, Total (7440-42-8)	X		1384	145.4	1384	145.4	816	85.7	2	mg/l	lb/d			
r. Cobalt, Total (7440-48-4)		X												
s. Iron, Total (7439-89-6)		X												
t. Magnesium, Total (7439-95-4)		X	<0.20						1	mg/l				
u. Molybdenum, Total (7439-98-7)		X	<0.010						1	mg/l				
v. Manganese, Total (7439-96-5)		X	<0.005						1	mg/l				
w. Tin, Total (7440-31-5)		X												
x. Titanium, Total (7440-32-6)		X												

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**PART C -** If you are a primary industry and this outfall contains process wastewater, refer to Table 2c-2 in the instructions to determine which of the GC/MS fractions you must test for. Mark "X" in column 2-a for all such GC/MS fractions that apply to your industry and for ALL toxic metals, cyanides, and total phenols. If you are not required to mark column 2-a (secondary industries, nonprocess wastewater outfalls, and nonrequired GC/MS fractions), mark "X" in column 2-b for each pollutant you know or have reason to believe is present. Mark "X" in column 2-c for each pollutant you believe is absent. If you mark column 2a for any pollutant, you must provide the results of at least one analysis for that pollutant. If you mark column 2b for any pollutant, you must provide the results of at least one analysis for that pollutant if you know or have concentrations of 10 ppb or greater. If you mark column 2c for acrolein, acrylonitrile, 2,4 dinitrophenol, or 2-methyl-4, 6 dinitrophenol, you must provide the results of at least one analysis for each of these pollutants which you know or have reason to believe that you discharge in concentrations of 100 ppb or greater. Otherwise, for pollutants for which you mark column 2b, you must either submit at least one analysis or briefly describe the reasons the pollutant is expected to be discharged. Note that there are 7 pages to this part; please review each carefully. Complete one table (all 7 pages) for each outfall. See instructions for additional details and requirements.

1. POLLUTANT AND CAS NO. (if available)	MARK 'X'			3. EFFLUENT						4. UNITS		5. INTAKE (optional)			
	a. Testing Required	a. Believed Present	b. Believed Absent	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
<b>METALS, CYANIDE, AND TOTAL PHENOLS</b>															
1M. Antimony, Total (7440-36-0)	X		X	<0.005						1	mg/l				
2M. Arsenic, Total (7440-38-2)	X		X	<0.005						1	mg/l				
3M. Beryllium, Total (7440-41-7)	X		X	<0.001						1	mg/l				
4M. Cadmium, Total (7440-43-9)	X		X	<0.001						1	mg/l				
5M. Chromium, Total (7440-47-3)	X		X	<0.005						1	mg/l				
6M. Copper, Total (7440-50-8)	X		X	<0.005						1	mg/l				
7M. Lead, Total (7439-92-1)	X		X	<0.002						1	mg/l				
8M. Mercury, Total (7439-97-6)	X		X	<0.0002						1	mg/l				
9M. Nickel, Total (7440-02-0)	X		X	<0.010						1	mg/l				
10M. Selenium, Total (7782-49-2)	X		X	<0.005						1	mg/l				
11M. Silver, Total (7440-22-4)	X		X	<0.001						1	mg/l				
12M. Thallium, Total (7440-28-0)	X		X	<0.010						1	mg/l				
13M. Zinc, Total (7440-66-6)	X		X	<0.010						1	mg/l				
14M. Cyanide, Total (57-12-5)	X		X	<0.005						1	mg/l				
15M. Phenols, Total	X		X	<0.005						1	mg/l				
<b>DIOXIN</b>															
2,3,7,8-Tetrachlorodibenzo-P-Dioxin (1764-01-6)			X												



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	a. Testing Required	b. Believed Present	c. Believed Absent	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
<b>GC/MS FRACTION - VOLATILE COMPOUNDS</b>															
1V. Acrolein (107-02-8)	X		X	<0.050						1	mg/l				
2V. Acrylonitrile (107-13-1)	X		X	<0.010						1	mg/l				
3V. Benzene (71-43-2)	X		X	<0.005						1	mg/l				
4V. Bis (Chloromethyl) Ether (542-88-1)			X												
5V. Bromoform (75-25-2)	X		X	<0.005						1	mg/l				
6V. Carbon Tetrachloride (56-23-5)	X		X	<0.005						1	mg/l				
7V. Chlorobenzene (108-90-7)	X		X	<0.005						1	mg/l				
8V. Chlorodibromomethane (124-48-1)	X		X	<0.005						1	mg/l				
9V. Chloroethane (75-00-3)	X		X	<0.005						1	mg/l				
10V. 2-Chloroethylvinyl Ether (110-75-8)	X		X	<0.010						1	mg/l				
11V. Chloroform (67-66-3)	X		X	<0.005						1	mg/l				
12V. Dichlorobromomethane (75-27-4)	X		X	<0.005						1	mg/l				
13V. Dichlorodifluoromethane (75-71-8)	X		X	<0.005						1	mg/l				
14V. 1,1-Dichloroethane (75-34-3)	X		X	<0.005						1	mg/l				
15V. 1,2-Dichloroethane (107-06-2)	X		X	<0.005						1	mg/l				
16V. 1,1-Dichloroethylene (75-35-4)	X		X	<0.005						1	mg/l				
17V. 1,2-Dichloropropane (78-87-5)	X		X	<0.005						1	mg/l				
18V. 1,3-Dichloropropylene (542-75-6)	X		X	<0.005						2	mg/l				
19V. Ethylbenzene (100-41-4)	X		X	<0.005						1	mg/l				
20V. Methyl Bromide (74-83-9)	X		X	<0.005						1	mg/l				
21V. Methyl Chloride (74-87-3)	X		X	<0.005						1	mg/l				

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1. POLLUTANT AND CAS NO. (if available)	MARK 'X'			3. EFFLUENT						4. UNITS		5. INTAKE (optional)			
	a. Testing Required	b. Believed Present	c. Believed Absent	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
<b>GC/MS FRACTION - VOLATILE COMPOUNDS (continued)</b>															
22V. Methylene Chloride (75-09-2)	X		X	<0.005						1	mg/l				
23V. 1,1,2,2-Tetrachloroethane (79-34-5)	X		X	<0.005						1	mg/l				
24V. Tetrachloroethylene (127-18-4)	X		X	<0.005						1	mg/l				
25V. Toluene (108-88-3)	X		X	<0.005						1	mg/l				
26V. 1,2-Trans-Dichloroethylene (156-60-5)	X		X	<0.005						1	mg/l				
27V. 1,1,1-Trichloroethane (71-55-6)	X		X	<0.005						1	mg/l				
28V. 1,1,2-Trichloroethane (79-00-5)	X		X	<0.005						1	mg/l				
29V. Trichloroethylene (79-01-6)	X		X	<0.005						1	mg/l				
30V. Trichloro-fluoromethane (75-69-4)	X		X	<0.005						1	mg/l				
31V. Vinyl Chloride (75-01-4)	X		X	<0.005						1	mg/l				
<b>GC/MS FRACTION - ACID COMPOUNDS</b>															
1A. 2-Chlorophenol (95-57-8)	X		X	<0.010						1	mg/l				
2A. 2,4-Dichlorophenol (120-83-2)	X		X	<0.010						1	mg/l				
3A. 2,4-Dimethylphenol (105-67-9)	X		X	<0.010						1	mg/l				
4A. 4,6-Dinitro-O-Cresol (534-52-1)	X		X	<0.025						1	mg/l				
5A. 2,4-Dinitrophenol (51-28-5)	X		X	<0.025						1	mg/l				
6A. 2-Nitrophenol (88-75-5)	X		X	<0.010						1	mg/l				
7A. 4-Nitrophenol (100-02-7)	X		X	<0.025						1	mg/l				
8A. P-Chloro-M-Cresol (59-50-7)	X		X	<0.010						1	mg/l				
9A. Pentachlorophenol (87-86-5)	X		X	<0.025						1	mg/l				
10A. Phenol (108-95-2)	X		X	<0.010						1	mg/l				
11A. 2,4,6-Trichlorophenol (88-06-2)	X		X	<0.010						1	mg/l				

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1. POLLUTANT AND CAS NO. (if available)	MARK 'X'			3. EFFLUENT						4. UNITS		5. INTAKE (optional)			
	a. Testing Required	b. Believed Present	c. Believed Absent	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANALYSES	e. CONCENTRATION	f. MASS	g. LONG TERM AVERAGE VALUE		h. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
<b>GC/MS FRACTION - BASE/NEUTRAL COMPOUNDS</b>															
1B. Acenaphthene (83-32-9)	X		X	<0.010						1	mg/l				
2B. Acenaphthylene (208-96-8)	X		X	<0.010						1	mg/l				
3B. Anthracene (120-12-7)	X		X	<0.010						1	mg/l				
4B. Benzoflone (92-87-5)	X		X	<0.050						1	mg/l				
5B. Benzo (a) Anthracene (56-55-3)	X		X	<0.010						1	mg/l				
6B. Benzo (a) Pyrene (50-32-8)	X		X	<0.010						1	mg/l				
7B. 3,4-Benzofluoranthene (205-99-2)	X		X	<0.010						1	mg/l				
8B. Benzo (ghi) Perylene (191-24-2)	X		X	<0.010						1	mg/l				
9B. Benzo (h) Fluoranthene (207-08-9)	X		X	<0.010						1	mg/l				
10B. Bis (2-Chloro-ethyl) Methane (111-91-1)	X		X	<0.010						1	mg/l				
11B. Bis (2-Chloroethyl) Ether (111-44-4)	X		X	<0.010						1	mg/l				
12B. Bis (2-Chloropropyl) Ether (102-60-1)	X		X	<0.010						1	mg/l				
13B. Bis (2-Ethylhexyl) Phthalate (111-81-7)	X		X	<0.010						1	mg/l				
14B. 4-Bromo-phenyl Phenyl Ether (101-55-3)	X		X	<0.010						1	mg/l				
15B. Butyl Benzyl Phthalate (85-68-7)	X		X	<0.010						1	mg/l				
16B. 2-Chloro-naphthalene (91-58-7)	X		X	<0.010						1	mg/l				
17B. 4-Chloro-phenyl Phenyl Ether (7005-72-3)	X		X	<0.010						1	mg/l				
18B. Chrysene (218-01-9)	X		X	<0.010						1	mg/l				
19B. Dibenzo (a,h) Anthracene (53-70-3)	X		X	<0.010						1	mg/l				
20B. 1,2-Dichlorobenzene (95-50-1)	X		X	<0.010						1	mg/l				
21B. 1,3-Dichlorobenzene (541-73-1)	X		X	<0.010						1	mg/l				

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	a. Test- ing Required	b. Be- lieved Present	c. Be- lieved Absent	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANAL- YSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANAL- YSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
GC/MS FRACTION - BASE/NEUTRAL COMPOUNDS (continued)															
22B. 1,4-Dichlorobenzene (106-46-7)	X		X	<0.010						1	mg/l				
23B. 3,3'-Dichlorobenzidine (91-94-1)	X		X	<0.010						1	mg/l				
24B. Diethyl Phthalate (84-66-2)	X		X	<0.010						1	mg/l				
25B. Dimethyl Phthalate (131-11-3)	X		X	<0.010						1	mg/l				
26B. Di-N-Butyl Phthalate (84-74-2)	X		X	<0.010						1	mg/l				
27B. 2,4-Dinitrotoluene (121-14-2)	X		X	<0.010						1	mg/l				
28B. 2,6-Dinitrotoluene (606-20-2)	X		X	<0.010						1	mg/l				
29B. Di-N-Octyl Phthalate (117-84-0)	X		X	<0.010						1	mg/l				
30B. 1,2-Diphenyl- hydrazine (as Ar- benzene) (122-66-7)	X		X	<0.010						1	mg/l				
31B. Fluoranthene (206-44-0)	X		X	<0.010						1	mg/l				
32B. Fluorene (86-73-7)	X		X	<0.010						1	mg/l				
33B. Hexachlorobenzene (118-74-1)	X		X	<0.010						1	mg/l				
34B. Hexachlorobutadiene (87-68-3)	X		X	<0.010						1	mg/l				
35B. Hexachlorocyclo- pentadiene (77-47-4)	X		X	<0.010						1	mg/l				
36B. Hexachloroethane (67-72-1)	X		X	<0.010						1	mg/l				
37B. Ideno (1,2,3-cd) Pyrene (193-39-5)	X		X	<0.010						1	mg/l				
38B. Isophorone (78-59-1)	X		X	<0.010						1	mg/l				
39B. Naphthalene (91-20-3)	X		X	<0.010						1	mg/l				
40B. Nitrobenzene (98-95-3)	X		X	<0.010						1	mg/l				
41B. N-Nitro-sodi- methylamine (62-75-9)	X		X	<0.010						1	mg/l				
42B. N-Nitrosodi-N- Propylamine (621-64-7)	X		X	<0.010						1	mg/l				

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	a. Test- ing Required	b. Be- lieved Present	c. Be- lieved Absent	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANAL- YSES	a. CONCEN- TRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANAL- YSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
<b>GC/MS FRACTION - BASE/NEUTRAL COMPOUNDS (Continued)</b>															
43B. N-Nitrosodiphenylamine (86-30-6)	X		X	<0.010						1	mg/l				
44B. Phenanthrene (85-01-8)	X		X	<0.010						1	mg/l				
45B. Pyrene (129-00-0)	X		X	<0.010						1	mg/l				
46B. 1,2,4-Tri-chlorobenzene (120-82-1)	X		X	<0.010						1	mg/l				
<b>GC/MS FRACTION - PESTICIDES</b>															
1P. Aldrin (309-00-2)			X												
2P. α-BHC (319-84-6)			X												
3P. β-BHC (319-85-7)			X												
4P. γ-BHC (58-89-9)			X												
5P. δ-BHC (319-86-8)			X												
6P. Chlordane (57-74-9)			X												
7P. 4,4'-DDT (50-29-3)			X												
8P. 4,4'-DDE (72-55-9)			X												
9P. 4,4'-DDD (72-54-8)			X												
10P. Dieldrin (60-57-1)			X												
11P. α-Endosulfan (115-29-7)			X												
12P. β-Endosulfan (115-29-7)			X												
13P. Endosulfan Sulfate (1031-07-8)			X												
14P. Endrin (72-20-8)			X												
15P. Endrin Aldehyde (7421-93-4)			X												
16P. Heptachlor (76-44-8)			X												

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	a. Test- ing Required	a. Be- lieved Present	b. Be- lieved Absent	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANAL- YSES	a. CONCEN- TRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANAL- YSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
<b>GC/MS FRACTION - PESTICIDES (continued)</b>															
17P. Heptachlor Epoxide (1024-57-3)			X												
18P. PCB-1242 (53469-21-9)			X												
19P. PCB-1254 (11097-69-1)			X												
20P. PCB-1221 (11104-28-2)			X												
21P. PCB-1232 (11141-16-5)			X												
22P. PCB-1244 (12672-29-6)			X												
23P. PCB-1260 (11096-82-5)			X												
24P. PCB-1016 (12674-11-2)			X												
25P. Toxaphene (8001-35-2)			X												

PLEASE PRINT OR TYPE IN THE UNSHADED AREAS ONLY. You may report some or all of this information on separate sheets (use the same format) instead of completing these pages. SEE INSTRUCTIONS

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**V. INTAKE AND EFFLUENT CHARACTERISTICS (continued from page 3 of Form 2-C)**  
PART A - You must provide the results of at least one analysis for every pollutant in this table. Complete one table for each outfall. See instructions for additional details.

1. POLLUTANT	2. Effluent						3. UNITS (specify if blank)		4. INTAKE (optional)		b. NO. OF ANALYSES	
	a. MAXIMUM DAILY VALUE (if available)		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		
	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION		(2) MASS
a. Biochemical Oxygen Demand (BOD)												
b. Chemical Oxygen Demand (COD)	48.3	0.08					8	mg/l	lb/d			
c. Total Organic Carbon (TOC)												
d. Total Suspended Solids (TSS)	38.3	0.08					4	mg/l	lb/d			
e. Ammonia (as N)												
f. Flow	VALUE 0.0004		VALUE 0.0004		VALUE 0.0002		8		MGD	VALUE N/A		
g. Temperature (winter)	VALUE N/A		VALUE N/A		VALUE N/A				°C	VALUE N/A		
h. Temperature (summer)	VALUE N/A		VALUE N/A		VALUE N/A				°C			
i. pH	MINIMUM 7.18	MAXIMUM 8.40	MINIMUM N/A	MAXIMUM N/A			8	STANDARD UNITS				

PART B - Mark "X" in column 2-a for each pollutant you know or have reason to believe is present. Mark "X" in column 2-b for each pollutant you believe to be absent. If you mark column 2a for any pollutant which is limited either directly, or indirectly but expressly, in an effluent limitations guideline, you must provide the results of at least one analysis for that pollutant. For other pollutants for which you mark column 2a, you must provide quantitative data or an explanation of their presence in your discharge. Complete one table for each outfall. See the instructions for additional details and requirements.

1. POLLUTANT AND CAS NO. (if available)	MARK "X"		3. EFFLUENT						4. UNITS		5. INTAKE			
	a. Believed Present	b. Believed Absent	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
			(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
a. Bromide (24959-67-9)		X												
b. Chlorine Total Residual		X												
c. Color	X													
d. Fecal Coliform		X												
e. Fluoride (16984-48-8)		X												
f. Nitrate-Nitrite (as N)	X													

ITEM V-B CONTINUED FROM FRONT  
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	a. Believed Present	b. Believed Absent	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
			(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
g. Nitrogen, Total Organic (as N)	X													
h. Oil and Grease	X		0.0					4	mg/l					
i. Phosphorus (as P), Total (7723-14-0)	X													
j. Radioactivity		X												
(1) Alpha, Total		X												
(2) Beta, Total		X												
(3) Radium, Total		X												
(4) Radium 226, Total		X												
k. Sulfate (as SO <sub>4</sub> ) (14808-798)	X													
l. Sulfide (as S)	X													
m. Sulfite (as SO <sub>3</sub> ) (14263-45-3)	X													
n. Surfactants	X													
o. Aluminum, Total (7429-90-5)		X												
p. Barium, Total (7440-39-3)		X												
q. Boron, Total (7440-42-8)		X												
r. Cobalt, Total (7440-48-4)		X												
s. Iron, Total (7439-89-6)		X												
t. Magnesium, Total (7439-95-4)		X												
u. Molybdenum, Total (7439-98-7)		X												
v. Manganese, Total (7439-96-5)		X												
w. Tin, Total (7440-31-5)		X												
x. Titanium, Total (7440-32-6)		X												



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**PART C -** If you are a primary industry and this outfall contains process wastewater, refer to Table 2c-2 in the instructions to determine which of the GC/MS fractions you must test for. Mark "X" in column 2-a for all such GC/MS fractions that apply to your industry and for ALL toxic metals, cyanides, and total phenols. If you are not required to mark column 2-a (secondary industries, nonprocess wastewater outfalls, and nonrequired GC/MS fractions), mark "X" in column 2-b for each pollutant you know or have reason to believe is present. Mark "X" in column 2-c for each pollutant you believe is absent. If you mark column 2a for any pollutant, you must provide the results of at least one analysis for that pollutant. If you mark column 2b for any pollutant, you must provide the results of at least one analysis for that pollutant if you know or have reason to believe it will be discharged in concentrations of 10 ppb or greater. If you mark column 2b for acrolein, acrylonitrile, 2,4 dinitrophenol, or 2-methyl-4, 6 dinitrophenol, you must provide the results of at least one analysis for each of these pollutants which you know or have reason to believe that you discharge in concentrations of 100 ppb or greater. Otherwise, for pollutants for which you mark column 2b, you must either submit at least one analysis or briefly describe the reasons the pollutant is expected to be discharged. Note that there are 7 pages to this part; please review each carefully. Complete one table (all 7 pages) for each outfall. See instructions for additional details and requirements.

1. POLLUTANT AND CAS NO. (if available)	MARK "X"			3. EFFLUENT						4. UNITS		5. INTAKE (optional)			
	a. Test- ing Required	a. Be- lieved Present	b. Be- lieved Absent	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANALYSES	a. CONCEN- TRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANAL- YSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
<b>METALS, CYANIDE, AND TOTAL PHENOLS</b>															
1M. Arsenic, Total (7440-36-0)	X		X												
2M. Arsenic, Total (7440-38-2)	X		X												
3M. Beryllium, Total (7440-41-7)	X		X												
4M. Cadmium, Total (7440-43-9)	X		X												
5M. Chromium, Total (7440-47-3)	X		X												
6M. Copper, Total (7440-50-8)	X		X												
7M. Lead, Total (7439-92-1)	X		X												
8M. Mercury, Total (7439-97-6)	X		X												
9M. Nickel, Total (7440-02-0)	X		X												
10M. Selenium, Total (7782-49-2)	X		X												
11M. Silver, Total (7440-22-4)	X		X												
12M. Thallium, Total (7440-28-0)	X		X												
13M. Zinc, Total (7440-66-6)	X		X												
14M. Cyanide, Total (57-12-5)	X		X												
15M. Phenols, Total	X		X												
<b>DIOXIN</b>															
2,3,7,8-Tetra- chlorodibenzo-P-Dioxin (1764-01-6)			X												

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	a. Testing Required	b. Believed Present	c. Believed Absent	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
<b>GC/MS FRACTION - VOLATILE COMPOUNDS</b>															
1V. Acrolein (107-02-8)	X		X												
2V. Acrylonitrile (107-13-1)	X		X												
3V. Benzene (71-43-2)	X		X												
4V. Bis (Chloromethyl) Ether (542-88-1)			X												
5V. Bromoform (75-25-2)	X		X												
6V. Carbon Tetrachloride (56-23-5)	X		X												
7V. Chlorobenzene (108-90-7)	X		X												
8V. Chlorodibromomethane (124-48-1)	X		X												
9V. Chloroethane (75-00-3)	X		X												
10V. 2-Chloro-ethylvinyl Ether (110-75-8)	X		X												
11V. Chloroform (67-66-3)	X		X												
12V. Dichlorobromomethane (75-27-4)	X		X												
13V. Dichlorodifluoromethane (75-71-8)			X												
14V. 1,1-Dichloroethane (75-34-3)	X		X												
15V. 1,2-Dichloroethane (107-06-2)	X		X												
16V. 1,1-Dichloroethylene (75-35-4)	X		X												
17V. 1,2-Dichloropropane (78-87-5)	X		X												
18V. 1,3-Dichloropropylene (542-75-6)	X		X												
19V. Ethylbenzene (100-41-4)	X		X												
20V. Methyl Bromide (74-83-9)	X		X												
21V. Methyl Chloride (74-87-3)	X		X												

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OUTFALL NUMBER 204

OMB No. 2040-0086  
Approval Expires 7-31-88

1. POLLUTANT AND CAS NO. (if available)	MARK 'X'			3. EFFLUENT						4. UNITS		5. INTAKE (optional)			
	a. Test- ing Required	a. Be- lieved Present	b. Be- lieved Absent	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANAL- YSES	a. CONCEN- TRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANAL- YSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
<b>GC/MS FRACTION - VOLATILE COMPOUNDS (continued)</b>															
22V. Methylene Chloride (75-09-2)	X		X												
23V. 1,1,2,2-Tetrachloroethane (79-34-5)	X		X												
24V. Tetrachloroethylene (127-18-4)	X		X												
25V. Toluene (108-88-3)	X		X												
26V. 1,2-Trans-Dichloroethylene (156-60-5)	X		X												
27V. 1,1,1-Trichloroethane (71-55-6)	X		X												
28V. 1,1,2-Trichloroethane (79-00-5)	X		X												
29V. Trichloroethylene (79-01-6)	X		X												
30V. Trichloro-fluoromethane (75-69-4)			X												
31V. Vinyl Chloride (75-01-4)	X		X												
<b>GC/MS FRACTION - ACID COMPOUNDS</b>															
1A. 2-Chlorophenol (95-57-8)	X		X												
2A. 2,4-Dichlorophenol (120-83-2)	X		X												
3A. 2,4-Dimethylphenol (105-67-9)	X		X												
4A. 4,6-Dinitro-O-Cresol (534-52-1)	X		X												
5A. 2,4-Dinitrophenol (51-28-5)	X		X												
6A. 2-Nitrophenol (88-75-5)	X		X												
7A. 4-Nitrophenol (100-02-7)	X		X												
8A. P-Chloro-M-Cresol (59-50-7)	X		X												
9A. Pentachlorophenol (87-86-5)	X		X												
10A. Phenol (108-95-2)	X		X												
11A. 2,4,6-Trichlorophenol (88-06-2)	X		X												

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1. POLLUTANT AND CAS NO. (if available)	MARK 'X'		3. EFFLUENT						4. UNITS		5. INTAKE (optional)				
	a. Testing Required	b. Believed Present	b. Believed Absent	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
<b>GC/MS FRACTION - BASE/NEUTRAL COMPOUNDS</b>															
1B Acenaphthene (83-32-9)	X		X												
2B Acenaphthylene (208-96-8)	X		X												
3B Anthracene (120-12-7)	X		X												
4B Benzidine (92-87-5)	X		X												
5B Benzo (a) Anthracene (56-55-3)	X		X												
6B Benzo (a) Pyrene (50-32-8)	X		X												
7B,3,4-Benzofluoranthene (205-99-2)	X		X												
8B Benzo (ghi) Perylene (191-24-2)	X		X												
9B Benzo (k) Fluoranthene (207-08-9)	X		X												
10B. Bis (2-Chloro-ethoxy) Methane (111-91-1)	X		X												
11B. Bis (2-Chloromethyl) Ether (111-44-4)	X		X												
12B. Bis (2-Chloroisopropyl) Ether (108-60-1)	X		X												
13B. Bis (2-Ethylhexyl) Phthalate (117-81-7)	X		X												
14B. 4-Dimino-phenylphenyl Ether (101-55-3)	X		X												
15B. Butyl Benzyl Phthalate (85-68-7)	X		X												
16B. 2-Chloro-naphthalene (91-58-7)	X		X												
17B. 4-Chloro-phenylphenyl Ether (7005-72-3)	X		X												
18B. Chrysene (218-01-9)	X		X												
19B. Dibenzo (a,h) Anthracene (53-70-3)	X		X												
20B. 1,2-Dichlorobenzene (95-50-1)	X		X												
21B. 1,3-Dichlorobenzene (541-75-1)	X		X												

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	a. Test- ing Required	a. Be- lieved Present	b. Be- lieved Absent	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANAL- YSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANAL- YSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
GC/MS FRACTION - BASE/NEUTRAL COMPOUNDS (continued)															
22B. 1,4-Dichlorobenzene (106-46-7)	X		X												
23B. 3,3'-Dichlorobenzidine (91-94-1)	X		X												
24B. Diethyl Phthalate (84-66-2)	X		X												
25B. Dimethyl Phthalate (131-11-3)	X		X												
26B. Di-N-Butyl Phthalate (84-74-2)	X		X												
27B. 2,4-Dinitrotoluene (121-14-2)	X		X												
28B. 2,6-Dinitrotoluene (606-20-2)	X		X												
29B. Di-N-Octyl Phthalate (117-84-0)	X		X												
30B. 1,2-Diphenyl- hydrazine (as Azo- benzene) (122-66-7)	X		X												
31B. Fluoranthene (206-44-0)	X		X												
32B. Fluorene (86-73-7)	X		X												
33B. Hexachlorobenzene (118-74-1)	X		X												
34B. Hexachlorobutadiene (87-68-3)	X		X												
35B. Hexachlorocyclo- pentadiene (77-47-4)	X		X												
36B. Hexachloroethane (67-72-1)	X		X												
37B. Ideno (1,2,3-cd) Pyrene (193-39-5)	X		X												
38B. Isophorone (78-59-1)	X		X												
39B. Naphthalene (91-20-3)	X		X												
40B. Nitrobenzene (98-95-3)	X		X												
41B. N-Nitro-andi- methylamine (62-75-9)	X		X												
42B. N-Nitro-andi-N- Propylamine (621-64-7)	X		X												

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1. POLLUTANT AND CAS NO. (if available)	MARK 'X'			3. EFFLUENT						4. UNITS		5. INTAKE (optional)			
	a. Testing Required	b. Believed Present	c. Believed Absent	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANALYSES	e. CONCENTRATION	f. MASS	g. LONG TERM AVERAGE VALUE		h. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
<b>GC/MS FRACTION - BASE/NEUTRAL COMPOUNDS (Continued)</b>															
43H. N-Nitroendophenylamine (86-30-6)	X		X												
44B. Phenanthrene (85-01-8)	X		X												
45B. Pyrene (129-00-0)	X		X												
46B. 1,2,4-Tri-chlorobenzene (120-82-1)	X		X												
<b>GC/MS FRACTION - PESTICIDES</b>															
1P. Aldrin (309-00-2)			X												
2P. α-BHC (319-84-6)			X												
3P. β-BHC (319-85-7)			X												
4P. γ-BHC (58-89-9)			X												
5P. δ-BHC (319-86-8)			X												
6P. Chlordane (57-74-9)			X												
7P. 4,4'-DDE (50-29-3)			X												
8P. 4,4'-DDE (72-55-9)			X												
9P. 4,4'-DDD (72-54-8)			X												
10P. Dieldrin (60-57-1)			X												
11P. α-Endosulfan (115-29-7)			X												
12P. β-Endosulfan (115-29-7)			X												
13P. Endosulfan Sulfate (1031-07-8)			X												
14P. Endrin (72-20-8)			X												
15P. Endrin Aldehyde (7421-93-4)			X												
16P. Heptachlor (76-44-8)			X												

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1. POLLUTANT AND CAS NO. (if available)	MARK 'X'			3. EFFLUENT						4. UNITS		5. INTAKE (optional)			
	a. Testing Required	b. Believed Present	c. Believed Absent	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANALYSES	a. CONCEN-TRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS		(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	
<b>GC/MS FRACTION - PESTICIDES (continued)</b>															
17P. Heptachlor Epoxide (1024-57-3)			X												
18P. PCB-1242 (53469-21-9)			X												
19P. PCB-1254 (11097-69-1)			X												
20P. PCB-1221 (11104-28-2)			X												
21P. PCB-1232 (11141-16-5)			X												
22P. PCB-1248 (12672-29-6)			X												
23P. PCB-1260 (11096-82-5)			X												
24P. PCB-1016 (12674-11-2)			X												
25P. Toxaphene (8001-35-2)			X												

PLEASE PRINT OR TYPE IN THE UNSHADED AREAS ONLY. You may report some or all of this information on separate sheets (use the same format) instead of completing these pages. SEE INSTRUCTIONS

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V. INTAKE AND EFFLUENT CHARACTERISTICS (continued from page 3 of Form 2-C) Outfall No. 301

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

1. POLLUTANT	2. EFFLUENT						3. UNITS (specify if blank)		4. INTAKE (optional)			
	a. MAXIMUM DAILY VALUE (if available)		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO OF ANALYSES
	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
a. Biochemical Oxygen Demand (BOD)	33.5	0.028					1	mg/l	lb/d			
b. Chemical Oxygen Demand (COD)	<5.0						1	mg/l				
c. Total Organic Carbon (TOC)	4.4	0.004					1	mg/l	lb/d			
d. Total Suspended Solids (TSS)	46	0.038					1	mg/l	lb/d			
e. Ammonia (as N)	0.828	0.001					1	mg/l	lb/d			
f. Flow	UNIT	0.0001	UNIT	0.0001	UNIT	0.0001	4		MGD	UNIT	N/A	
g. Temperature (winter)	UNIT	N/A	UNIT	N/A					°C	UNIT	N/A	
h. Temperature (summer)	UNIT	N/A	UNIT	N/A	UNIT	N/A			°C			
i. pH	MINIMUM	7.30	MAXIMUM	7.90	MINIMUM	N/A	MAXIMUM	N/A		STANDARD UNITS		

PART B - Mark "X" in column 2-a for each pollutant you know or have reason to believe is present. Mark "X" in column 2-b for each pollutant you believe to be absent. If you mark column 2a for any pollutant which is limited either directly, or indirectly but expressly, in an effluent limitations guideline, you must provide the results of at least one analysis for that pollutant. For other pollutants for which you mark column 2a, you must provide quantitative data or an explanation of their presence in your discharge. Complete one table for each outfall. See the instructions for additional details and requirements.

1. POLLUTANT AND CAS NO. (if available)	MARK 'X'		3. EFFLUENT						4. UNITS		5. INTAKE			
	a. Believed Present	b. Believed Absent	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
			(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
a. Bromide (24959-67-9)		X												
b. Chlorine Total Residual		X												
c. Color	X		25.0						1	COLOR UNITS				
d. Fecal Coliform		X												
e. Fluoride (16984-48-8)		X												
f. Nitrate-Nitrite (as N)	X		1.28	0.001					1	mg/l	lb/d			



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1. POLLUTANT AND CAS NO. (if available)	MARK "X"		3. EFFLUENT				4. UNITS		5. INTAKE					
	a. Be- lieved Present	b. Be- lieved Absent	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANALYSES	a. CONCEN- TRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANAL- YSES
			(1) CONCENTRATION	(2) MASS	(1) CONCEN- TRATION	(2) MASS	(1) CONCENTRATION	(2) MASS						
g. Nitrogen, Total Organic (as N)	X													
h. Oil and Grease		X												
i. Phosphorus (as P), Total (7723-14-0)	X		0.53	0.0004				1	mg/l	lb/d				
j. Radioactivity		X												
(1) Alpha, Total		X												
(2) Beta, Total		X												
(3) Radium, Total		X												
(4) Radium 226, Total		X												
k. Sulfate (as SO <sub>4</sub> ) (14808-798)	X		79.1	0.066				1	mg/l	lb/d				
l. Sulfide (as S)	X		<0.02					1	mg/l					
m. Sulfite (as SO <sub>3</sub> ) (14265-45-3)	X		<2.0					1	mg/l					
n. Surfactants		X	<0.04					1	mg/l					
o. Aluminum, Total (7429-90-5)		X	0.478	0.0004				1	mg/l	lb/d				
p. Barium, Total (7440-39-3)		X	<0.2					1	mg/l					
q. Boron, Total (7440-42-8)		X												
r. Cobalt, Total (7440-48-4)		X												
s. Iron, Total (7439-89-6)	X		0.716	0.001				1	mg/l	lb/d				
t. Magnesium, Total (7439-95-4)		X	15.0	0.013				1	mg/l	lb/d				
u. Molybdenum, Total (7439-98-7)		X	<0.050					1	mg/l					
v. Manganese, Total (7439-96-5)		X												
w. Tin, Total (7440-31-5)		X												
x. Titanium, Total (7440-32-6)		X												

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**PART C -** If you are a primary industry and this outfall contains process wastewater, refer to Table 2c-2 in the instructions to determine which of the GC/MS fractions you must test for. Mark "X" in column 2-a for all such GC/MS fractions that apply to your industry and for ALL toxic metals, cyanides, and total phenols. If you are not required to mark column 2-a (secondary industries, nonprocess wastewater outfalls, and nonrequired GC/MS fractions), mark "X" in column 2-b for each pollutant you know or have reason to believe is present. Mark "X" in column 2-c for each pollutant you believe is absent. If you mark column 2a for any pollutant, you must provide the results of at least one analysis for that pollutant. If you mark column 2b for any pollutant, you must provide the results of at least one analysis for that pollutant if you know or have reason to believe it will be discharged in concentrations of 10 ppb or greater. If you mark column 2b for acrolein, acrylonitrile, 2,4 dinitrophenol, or 2-methyl-4,6 dinitrophenol, you must provide the results of at least one analysis for each of these pollutants which you know or have reason to believe that you discharge in concentrations of 100 ppb or greater. Otherwise, for pollutants for which you mark column 2b, you must either submit at least one analysis or briefly describe the reasons the pollutant is expected to be discharged. Note that there are 7 pages to this part; please review each carefully. Complete one table (all 7 pages) for each outfall. See instructions for additional details and requirements.

1. POLLUTANT AND CAS NO. (if available)	MARK 'X'			3. EFFLUENT						4. UNITS		5. INTAKE (optional)			
	a. Testing Required	a. Believed Present	b. Believed Absent	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
<b>METALS, CYANIDE, AND TOTAL PHENOLS</b>															
1M. Antimony, Total (7440-36-0)	X		X												
2M. Arsenic, Total (7440-38-2)	X		X	<0.010						1	mg/l				
3M. Beryllium, Total (7440-41-7)	X		X	<0.005						1	mg/l				
4M. Cadmium, Total (7440-43-9)	X		X	<0.001						1	mg/l				
5M. Chromium, Total (7440-47-3)	X		X	<0.010						1	mg/l				
6M. Copper, Total (7440-50-8)	X		X	<0.010						1	mg/l				
7M. Lead, Total (7439-92-1)	X		X	<0.003						1	mg/l				
8M. Mercury, Total (7439-97-6)	X		X	<0.0002						1	mg/l				
9M. Nickel, Total (7440-02-0)	X		X	<0.040						1	mg/l				
10M. Selenium, Total (7782-49-2)	X		X	<0.005						1	mg/l				
11M. Silver, Total (7440-22-4)	X		X	<0.002						1	mg/l				
12M. Thallium, Total (7440-28-0)	X		X	<0.010						1	mg/l				
13M. Zinc, Total (7440-66-6)	X		X	0.0851 *	0.0001					1	mg/l	lb/d			
14M. Cyanide, Total (57-12-5)	X		X	<0.010						1	mg/l				
15M. Phenols, Total	X		X	<0.050						1	mg/l				
<b>DIOXIN</b>															
2,3,7,8-Tetrachlorodibenzo-P-Dioxin (1764-01-6)			X												

\* Waterford 3 is not a contributor. This is considered background levels from the Mississippi River.

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	a. Testing Required	b. Believed Present	c. Believed Absent	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS		(1) CONCENTRATION	(2) MASS			
GC/MS FRACTION - VOLATILE COMPOUNDS															
1V. Acrolein (107-02-8)	X		X	<0.010						1	mg/l				
2V. Acrylonitrile (107-13-1)	X		X	<0.010						1	mg/l				
3V. Benzene (71-43-2)	X		X	<0.005						1	mg/l				
4V. Bis (Chloromethyl) Ether (542-88-1)			X												
5V. Bromoform (75-25-2)	X		X	<0.005						1	mg/l				
6V. Carbon Tetrachloride (56-23-5)	X		X	<0.005						1	mg/l				
7V. Chlorobenzene (108-90-7)	X		X	<0.005						1	mg/l				
8V. Chlorodibromomethane (124-48-1)	X		X	<0.005						1	mg/l				
9V. Chloromethane (75-00-3)	X		X	<0.010						1	mg/l				
10V. 2-Chloro-ethylvinyl Ether (110-75-8)	X		X	<0.005						1	mg/l				
11V. Chloroform (67-66-3)	X		X	0.0359 *	0.00003					1	mg/l	lb/d			
12V. Dichlorobromomethane (75-27-4)	X		X	0.0163 *	0.00001					1	mg/l	lb/d			
13V. Dichlorodifluoromethane (75-71-8)			X												
14V. 1,1-Dichloroethane (75-34-3)	X		X	<0.005						1	mg/l				
15V. 1,2-Dichloroethane (107-06-2)	X		X	<0.005						1	mg/l				
16V. 1,1-Dichloroethylene (75-35-4)	X		X	<0.005						1	mg/l				
17V. 1,2-Dichloropropane (78-87-5)	X		X	<0.005						1	mg/l				
18V. 1,3-Dichloropropylene (542-75-6)	X		X	<0.005						1	mg/l				
19V. Ethylbenzene (100-41-4)	X		X	<0.005						1	mg/l				
20V. Methyl Bromide (74-83-9)	X		X	<0.010						1	mg/l				
21V. Methyl Chloride (74-87-3)	X		X	<0.010						1	mg/l				

\* Waterford 3 is not a contributor. This is considered cross-contamination from the analytical laboratory.

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1. POLLUTANT AND CAS NO. (if available)	MARK 'X'			3. EFFLUENT						4. UNITS		5. INTAKE (optional)			
	a. Testing Required	b. Believed Present	c. Believed Absent	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
<b>GC/MS FRACTION - VOLATILE COMPOUNDS (continued)</b>															
22V. Methylene Chloride (75-09-2)	X		X	<0.005						1	mg/l				
23V. 1,1,2,2-Tetrachloroethane (79-34-5)	X		X	<0.005						1	mg/l				
24V. Tetrachloroethylene (127-18-4)	X		X	<0.005						1	mg/l				
25V. Toluene (108-88-3)	X		X	<0.005						1	mg/l				
26V. 1,2-Trans-Dichloroethylene (156-60-5)	X		X	<0.005						1	mg/l				
27V. 1,1,1-Trichloroethane (71-55-6)	X		X	<0.005						1	mg/l				
28V. 1,1,2-Trichloroethane (79-00-5)	X		X	<0.005						1	mg/l				
29V. Trichloroethylene (79-01-6)	X		X	<0.005						1	mg/l				
30V. Trichloro-fluoromethane (75-69-4)			X												
31V. Vinyl Chloride (75-01-4)	X		X	<0.010						1	mg/l				
<b>GC/MS FRACTION - ACID COMPOUNDS</b>															
1A. 2-Chlorophenol (95-57-8)	X		X	<0.010						1	mg/l				
2A. 2,4-Dichlorophenol (120-83-2)	X		X	<0.010						1	mg/l				
3A. 2,4-Dimethylphenol (105-67-9)	X		X	<0.010						1	mg/l				
4A. 4,6-Dinitro-O-Cresol (534-52-1)	X		X	<0.050						1	mg/l				
5A. 2,4-Dinitrophenol (51-28-5)	X		X	<0.050						1	mg/l				
6A. 2-Nitrophenol (88-75-5)	X		X	<0.010						1	mg/l				
7A. 4-Nitrophenol (100-02-7)	X		X	<0.050						1	mg/l				
8A. P-Chloro-M-Cresol (59-50-7)	X		X	<0.010						1	mg/l				
9A. Pentachlorophenol (87-86-5)	X		X	<0.050						1	mg/l				
10A. Phenol (108-95-2)	X		X	<0.010						1	mg/l				
11A. 2,4,6-Trichlorophenol (88-06-2)	X		X	<0.010						1	mg/l				

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1. POLLUTANT AND CAS NO. (if available)	MARK 'X'			3. EFFLUENT						4. UNITS		5. INTAKE (optional)			
	a. Test- ing Required	b. Be- lieved Present	c. Be- lieved Absent	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANAL- YSES	e. CONCENTRATION	f. MASS	g. LONG TERM AVERAGE VALUE		h. NO. OF ANAL- YSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
<b>GC/MS FRACTION - BASE/NEUTRAL COMPOUNDS</b>															
1B. Acenaphthene (83-32-9)	X		X	<0.010						1	mg/l				
2B. Acenaphthylene (208-96-8)	X		X	<0.010						1	mg/l				
3B. Anthracene (120-12-7)	X		X	<0.010						1	mg/l				
4B. Benzidine (92-87-5)	X		X	<0.030						1	mg/l				
5B. Benzo (a) Anthracene (56-55-3)	X		X	<0.010						1	mg/l				
6B. Benzo (a) Pyrene (50-32-8)	X		X	<0.010						1	mg/l				
7B. 3,4-Benzofluoranthene (205-99-2)	X		X	<0.010						1	mg/l				
8B. Benzo (ghi) Perylene (191-24-2)	X		X	<0.010						1	mg/l				
9B. Benzo (k) Fluoranthene (207-08-9)	X		X	<0.010						1	mg/l				
10B. Bis (2-Chloro-ethoxy) Methane (111-91-1)	X		X	<0.010						1	mg/l				
11B. Bis (2-Chloroethyl) Ether (111-44-4)	X		X	<0.010						1	mg/l				
12B. Bis (2-Chloroisopropyl) Ether (108-60-1)	X		X	<0.010						1	mg/l				
13B. Bis (2-Ethylhexyl) Phthalate (117-81-7)	X		X	<0.010						1	mg/l				
14B. 4-Bromo-phenyl Phenyl Ether (101-55-3)	X		X	<0.010						1	mg/l				
15B. Diethyl Benzyl Phthalate (85-68-7)	X		X	<0.010						1	mg/l				
16B. 2-Chloro-naphthalene (91-58-7)	X		X	<0.010						1	mg/l				
17B. 4-Chloro-phenyl Phenyl Ether (7005-72-3)	X		X	<0.010						1	mg/l				
18B. Chrysene (218-01-9)	X		X	<0.010						1	mg/l				
19B. Dibenzo (a,k) Anthracene (53-70-3)	X		X	<0.010						1	mg/l				
20B. 1,2-Dichlorobenzene (95-50-1)	X		X	<0.010						1	mg/l				
21B. 1,3-Dichlorobenzene (541-73-1)	X		X	<0.010						1	mg/l				

1. POLLUTANT AND CAS NO. (if available)	MARK 'X'			3. EFFLUENT						4. UNITS		5. INTAKE (optional)			
	a. Test- ing Required	a. Be- lieved Present	b. Be- lieved Absent	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANAL- YSES	a. CONCENT- RATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANAL- YSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
GC/MS FRACTION - BASE/NEUTRAL COMPOUNDS (continued)															
22B. 1,4-Dichlorobenzene (106-46-7)	X		X	<0.010						1	mg/l				
23B. 3,3'-Dichlorobenzidine (91-94-1)	X		X	<0.020						1	mg/l				
24B. Diethyl Phthalate (84-66-2)	X		X	<0.010						1	mg/l				
25B. Dimethyl Phthalate (131-11-3)	X		X	<0.010						1	mg/l				
26B. Di-N-Butyl Phthalate (84-74-2)	X		X	<0.010						1	mg/l				
27B. 2,4-Dinitrotoluene (121-14-2)	X		X	<0.010						1	mg/l				
28B. 2,6-Dinitrotoluene (606-20-2)	X		X	<0.010						1	mg/l				
29B. Di-N-Octyl Phthalate (117-84-0)	X		X	<0.010						1	mg/l				
30B. 1,2-Diphenyl-hydrazine (as Azo-benzene) (122-66-7)	X		X	<0.010						1	mg/l				
31B. Fluoranthene (206-44-0)	X		X	<0.010						1	mg/l				
32B. Fluorene (86-73-7)	X		X	<0.010						1	mg/l				
33B. Hexachlorobenzene (118-74-1)	X		X	<0.010						1	mg/l				
34B. Hexachlorobutadiene (87-68-3)	X		X	<0.010						1	mg/l				
35B. Hexachlorocyclo- pentadiene (77-47-4)	X		X	<0.010						1	mg/l				
36B. Hexachloroethane (67-72-1)	X		X	<0.010						1	mg/l				
37B. Ideno (1,2,3-cd) Pyrene (193-39-5)	X		X	<0.010						1	mg/l				
38B. Isophorone (78-59-1)	X		X	<0.010						1	mg/l				
39B. Naphthalene (91-20-3)	X		X	<0.010						1	mg/l				
40B. Nitrobenzene (98-95-3)	X		X	<0.010						1	mg/l				
41B. N-Nitro-sodi- methylamine (62-75-9)	X		X	<0.020						1	mg/l				
42B. N-Nitrosodi-N- Propylamine (621-64-7)	X		X	<0.010						1	mg/l				

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1. POLLUTANT AND CAS NO. (if available)	MARK 'X'			3. EFFLUENT				4. UNITS		5. INTAKE (optional)					
	a. Testing Required	b. Believed Present	c. Believed Absent	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
<b>GC/MS FRACTION - BASE/NEUTRAL COMPOUNDS (Continued)</b>															
43B. N-Nitrosodiphenylamine (86-30-6)	X		X	<0.010						1	mg/l				
44B. Phenanthrene (85-01-8)	X		X	<0.010						1	mg/l				
45B. Pyrene (129-00-0)	X		X	<0.010						1	mg/l				
46B. 1,2,4-Trichlorobenzene (120-82-1)	X		X	<0.010						1	mg/l				
<b>GC/MS FRACTION - PESTICIDES</b>															
1P. Aldrin (309-00-2)			X												
2P. α-BHC (319-84-6)			X												
3P. β-BHC (319-85-7)			X												
4P. γ-BHC (58-89-9)			X												
5P. δ-BHC (319-86-8)			X												
6P. Chlordane (47-74-9)			X												
7P. 4,4'-DDT (50-29-3)			X												
8P. 4,4'-DDE (72-55-9)			X												
9P. 4,4'-DDD (72-54-8)			X												
10P. Dieldrin (60-57-1)			X												
11P. α-Endosulfan (115-29-7)			X												
12P. β-Endosulfan (115-29-7)			X												
13P. Endosulfan Sulfate (1031-07-8)			X												
14P. Endrin (72-20-8)			X												
15P. Endrin Aldehyde (7421-93-4)			X												
16P. Heptachlor (76-44-8)			X												

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1. POLLUTANT AND CAS NO. (if available)	MARK 'X'			3. EFFLUENT						4. UNITS		5. INTAKE (optional)			
	a. Testing Required	a. Believed Present	b. Believed Absent	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
<b>GC/MS FRACTION - PESTICIDES (continued)</b>															
17P. Heptachlor Epoxide (1024-57-3)			X												
18P. PCB-1242 (53469-21-9)			X												
19P. PCB-1254 (11097-69-1)			X												
20P. PCB-1221 (11104-28-2)			X												
21P. PCB-1232 (11141-16-5)			X												
22P. PCB-1248 (12673-29-6)			X												
23P. PCB-1260 (11096-82-5)			X												
24P. PCB-1016 (12674-11-2)			X												
25P. Toxaphene (8001-35-2)			X												



PLEASE PRINT OR TYPE IN THE UNSHADED AREAS ONLY. You may report some or all of this information on separate sheets (use the same format) instead of completing these pages. SEE INSTRUCTIONS

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V. INTAKE AND EFFLUENT CHARACTERISTICS (continued from page 3 of Form 2-C) Outfall No. 401

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

1. POLLUTANT	2. EFFLUENT						3. UNITS (specify if blank)		4. INTAKE (optional)			
	a. MAXIMUM DAILY VALUE (if available)		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO OF ANALYSES
	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
a. Biochemical Oxygen Demand (BOD)	<2.0						1	mg/l				
b. Chemical Oxygen Demand (COD)	6.1	2.14					1	mg/l	lb/d			
c. Total Organic Carbon (TOC)	<1.0						1	mg/l				
d. Total Suspended Solids (TSS)	0.0						2	mg/l				
e. Ammonia (as N)	<0.10						1	mg/l				
f. Flow	VALUE 0.0522		VALUE 0.0522		VALUE 0.042		2		MGD	VALUE N/A		
g. Temperature (winter)	VALUE N/A		VALUE N/A						°C	VALUE N/A		
h. Temperature (summer)	VALUE N/A		VALUE N/A		VALUE N/A				°C			
i. pH	MINIMUM 6.05	MAXIMUM 8.45	MINIMUM N/A	MAXIMUM N/A			4		STANDARD UNITS			

PART B - Mark "X" in column 2-a for each pollutant you know or have reason to believe is present. Mark "X" in column 2-b for each pollutant you believe to be absent. If you mark column 2a for any pollutant which is limited either directly, or indirectly but expressly, in an effluent limitations guideline, you must provide the results of at least one analysis for that pollutant. For other pollutants for which you mark column 2a, you must provide quantitative data or an explanation of their presence in your discharge. Complete one table for each outfall. See the instructions for additional details and requirements.

1. POLLUTANT AND CAS NO. (if available)	MARK 'X'		3. EFFLUENT						4. UNITS		5. INTAKE			
	a. Believed Present	b. Believed Absent	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
			(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
a. Bromide (24959-67-9)		X												
b. Chlorine Total Residual		X												
c. Color		X												
d. Fecal Coliform		X												
e. Fluoride (16984-48-8)		X												
f. Nitrate-Nitrite (as N)		X												

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	a. Be- lieved Present	b. Be- lieved Absent	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
			(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
g. Nitrogen, Total Organic (as N)		X												
h. Oil and Grease		X	0.0						2	mg/l				
i. Phosphorus (as P), Total (7723-14-0)		X												
j. Radioactivity	X													
(1) Alpha, Total		X												
(2) Beta, Total	X													
(3) Radium, Total		X												
(4) Radium 226, Total		X												
k. Sulfate (as SO <sub>4</sub> ) (14808-798)		X	<5.0						1	mg/l				
l. Sulfide (as S)		X												
m. Sulfite (as SO <sub>3</sub> ) (14265-45-3)		X												
n. Surfactants		X												
o. Aluminum, Total (7429-90-5)		X												
p. Barium, Total (7440-39-3)		X												
q. Beryllium, Total (7440-42-8)		X												
r. Cobalt, Total (7440-48-4)		X												
s. Iron, Total (7439-89-6)		X												
t. Magnesium, Total (7439-95-4)		X												
u. Molybdenum, Total (7439-98-7)		X												
v. Manganese, Total (7439-96-5)		X												
w. Tin, Total (7440-31-5)		X												
x. Titanium, Total (7440-32-6)		X												

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**PART C -** If you are a primary industry and this outfall contains process wastewater, refer to Table 2c-2 in the instructions to determine which of the GC/MS fractions you must test for. Mark "X" in column 2-a for all such GC/MS fractions that apply to your industry and for ALL toxic metals, cyanides, and total phenols. If you are not required to mark column 2-a (secondary industries, nonprocess wastewater outfalls, and nonrequired GC/MS fractions), mark "X" in column 2-b for each pollutant you know or have reason to believe is present. Mark "X" in column 2-c for each pollutant you believe is absent. If you mark column 2a for any pollutant, you must provide the results of at least one analysis for that pollutant. If you mark column 2b for any pollutant, you must provide the results of at least one analysis for that pollutant if you know or have reason to believe it will be discharged in concentrations of 10 ppb or greater. If you mark column 2b for acrolein, acrylonitrile, 2,4 dinitrophenol, or 2-methyl-4, 6 dinitrophenol, you must provide the results of at least one analysis for each of these pollutants which you know or have reason to believe that you discharge in concentrations of 100 ppb or greater. Otherwise, for pollutants for which you mark column 2b, you must either submit at least one analysis or briefly describe the reasons the pollutant is expected to be discharged. Note that there are 7 pages to this part; please review each carefully. Complete one table (all 7 pages) for each outfall. See instructions for additional details and requirements.

1. POLLUTANT AND CAS NO. (if available)	MARK 'X'			3. EFFLUENT						4. UNITS		5. INTAKE (optional)			
	a. Test- ing Required	a. Be- lieved Present	b. Be- lieved Absent	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANALYSES	a. CONCEN- TRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANAL- YSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
<b>METALS, CYANIDE, AND TOTAL PHENOLS</b>															
1M. Antimony, Total (7440-36-0)	X		X	<0.060						1	mg/l				
2M. Arsenic, Total (7440-38-2)	X		X	<0.010						1	mg/l				
3M. Beryllium, Total (7440-41-7)	X		X	<0.005						1	mg/l				
4M. Cadmium, Total (7440-43-9)	X		X	<0.001						1	mg/l				
5M. Chromium, Total (7440-47-3)	X		X	<0.010						1	mg/l				
6M. Copper, Total (7440-50-8)	X		X	<0.010						1	mg/l				
7M. Lead, Total (7439-92-1)	X		X	<0.003						1	mg/l				
8M. Mercury, Total (7439-97-6)	X		X	<0.0002						1	mg/l				
9M. Nickel, Total (7440-02-0)	X		X	<0.040						1	mg/l				
10M. Selenium, Total (7782-49-2)	X		X	<0.005						1	mg/l				
11M. Silver, Total (7440-22-4)	X		X	<0.002						1	mg/l				
12M. Thallium, Total (7440-28-0)	X		X	<0.010						1	mg/l				
13M. Zinc, Total (7440-66-6)	X		X	<0.020						1	mg/l				
14M. Cyanide, Total (57-12-5)	X		X	<0.010						1	mg/l				
15M. Phenols, Total	X		X	<0.005						1	mg/l				
<b>DIOXIN</b>															
2,3,7,8-Tetra- chlorodibenzo-P-Dioxin (1764-01-6)			X												

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	a. Testing Required	b. Believed Present	c. Believed Absent	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
<b>GC/MS FRACTION - VOLATILE COMPOUNDS</b>															
1V. Acrolein (107-02-8)	X		X	<0.020						1	mg/l				
2V. Acrylonitrile (107-13-1)	X		X	<0.020						1	mg/l				
3V. Benzene (71-43-2)	X		X	<0.005						1	mg/l				
4V. Bis (Chloromethyl) Ether (542-88-1)			X												
5V. Bromoform (75-25-2)	X		X	<0.005						1	mg/l				
6V. Carbon Tetrachloride (56-23-5)	X		X	<0.005						1	mg/l				
7V. Chlorobenzene (108-90-7)	X		X	<0.005						1	mg/l				
8V. Chlorodibromomethane (124-48-1)	X		X	<0.005						1	mg/l				
9V. Chloromethane (75-00-3)	X		X	<0.005						1	mg/l				
10V. 2-Chloro-ethylvinyl Ether (110-75-8)	X		X	<0.020						1	mg/l				
11V. Chloroform (67-66-3)	X		X	<0.005						1	mg/l				
12V. Dichlorobromomethane (75-27-4)	X		X	<0.005						1	mg/l				
13V. Dichlorodifluoromethane (75-71-8)			X												
14V. 1,1-Dichloromethane (75-34-3)	X		X	<0.005						1	mg/l				
15V. 1,2-Dichloroethane (107-06-2)	X		X	<0.005						1	mg/l				
16V. 1,1-Dichloroethylene (75-35-4)	X		X	<0.005						1	mg/l				
17V. 1,2-Dichloropropane (78-87-5)	X		X	<0.005						1	mg/l				
18V. 1,3-Dichloropropylene (542-75-6)	X		X	<0.005						2	mg/l				
19V. Ethylbenzene (100-41-4)	X		X	<0.005						1	mg/l				
20V. Methyl Bromide (74-83-9)	X		X	<0.005						1	mg/l				
21V. Methyl Chloride (74-87-3)	X		X	<0.005						1	mg/l				

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1. POLLUTANT AND CAS NO. (if available)	MARK 'X'		3. EFFLUENT						4. UNITS		5. INTAKE (optional)				
	a. Testing Required	b. Believed Present	b. Believed Absent	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
<b>GC/MS FRACTION - VOLATILE COMPOUNDS (continued)</b>															
22V. Methylene Chloride (75-09-2)	X		X	<0.005						1	mg/l				
23V. 1,1,2,2-Tetrachloroethane (79-34-5)	X		X	<0.005						1	mg/l				
24V. Tetrachloroethylene (127-18-4)	X		X	<0.005						1	mg/l				
25V. Toluene (108-88-3)	X		X	<0.005						1	mg/l				
26V. 1,2-Trans-Dichloroethylene (156-60-5)	X		X	<0.005						1	mg/l				
27V. 1,1,1-Trichloroethane (71-55-6)	X		X	<0.005						1	mg/l				
28V. 1,1,2-Trichloroethane (79-00-5)	X		X	<0.005						1	mg/l				
29V. Trichloroethylene (79-01-6)	X		X	<0.005						1	mg/l				
30V. Trichloro-fluoromethane (75-69-4)			X												
31V. Vinyl Chloride (75-01-4)	X		X	<0.005						1	mg/l				
<b>GC/MS FRACTION - ACID COMPOUNDS</b>															
1A. 2-Chlorophenol (95-57-8)	X		X	<0.010						1	mg/l				
2A. 2,4-Dichlorophenol (120-83-2)	X		X	<0.010						1	mg/l				
3A. 2,4-Dimethylphenol (105-67-9)	X		X	<0.010						1	mg/l				
4A. 4,6-Dinitro-O-Cresol (534-52-1)	X		X	<0.025						1	mg/l				
5A. 2,4-Dinitrophenol (51-28-5)	X		X	<0.025						1	mg/l				
6A. 2-Nitrophenol (88-75-5)	X		X	<0.010						1	mg/l				
7A. 4-Nitrophenol (100-02-7)	X		X	<0.025						1	mg/l				
8A. p-Chloro-M-Cresol (59-50-7)	X		X	<0.010						1	mg/l				
9A. Pentachlorophenol (87-86-5)	X		X	<0.025						1	mg/l				
10A. Phenol (108-95-2)	X		X	<0.010						1	mg/l				
11A. 2,4,6-Trichlorophenol (88-06-2)	X		X	<0.010						1	mg/l				

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1. POLLUTANT AND CAS NO. (if available)	MARK 'X'			3. EFFLUENT						4. UNITS		5. INTAKE (optional)			
	a. Testing Required	a. Believed Present	b. Believed Absent	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
<b>GC/MS FRACTION - BASE/NEUTRAL COMPOUNDS</b>															
1B. Acenaphthene (83-32-9)	X		X	<0.010						1	mg/l				
2B. Acenaphthylene (208-96-8)	X		X	<0.010						1	mg/l				
3B. Anthracene (120-12-7)	X		X	<0.010						1	mg/l				
4B. Benzidine (92-87-5)	X		X	<0.030						1	mg/l				
5B. Benzo (a) Anthracene (56-55-3)	X		X	<0.010						1	mg/l				
6B. Benzo (a) Pyrene (50-32-8)	X		X	<0.010						1	mg/l				
7B. 3,4-Benzofluoranthene (205-99-2)	X		X	<0.010						1	mg/l				
8B. Benzo (ghi) Perylene (191-24-2)	X		X	<0.010						1	mg/l				
9B. Benzo (k) Fluoranthene (207-08-9)	X		X	<0.010						1	mg/l				
10B. Bis (2-Chloro-ethoxy) Methane (111-91-1)	X		X	<0.010						1	mg/l				
11B. Bis (2-Chloroethyl) Ether (111-44-4)	X		X	<0.010						1	mg/l				
12B. Bis (2-Chloroisopropyl) Ether (108-60-1)	X		X	<0.010						1	mg/l				
13B. Bis (2-Ethylhexyl) Phthalate (117-81-7)	X		X	<0.010						1	mg/l				
14B. 4-Diceno-phenylPhenyl Ether (101-55-3)	X		X	<0.010						1	mg/l				
15B. Butyl Benzyl Phthalate (85-68-7)	X		X	<0.010						1	mg/l				
16B. 2-Chloro-naphthalene (91-58-7)	X		X	<0.010						1	mg/l				
17B. 4-Chloro-phenylPhenyl Ether (7005-72-3)	X		X	<0.010						1	mg/l				
18B. Chrysene (218-01-9)	X		X	<0.010						1	mg/l				
19B. Dibenzo (a,h) Anthracene (53-70-3)	X		X	<0.010						1	mg/l				
20B. 1,2-Dichlorobenzene (95-50-1)	X		X	<0.010						1	mg/l				
21B. 1,3-Dichlorobenzene (541-73-1)	X		X	<0.010						1	mg/l				

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1. POLLUTANT AND CAS NO. (if available)	MARK 'X'			3. EFFLUENT						4. UNITS		5. INTAKE (optional)			
	a. Testing Required	b. Believed Present	c. Believed Absent	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
GC/MS FRACTION - BASE/NEUTRAL COMPOUNDS (continued)															
22B. 1,4-Dichlorobenzene (106-46-7)	X		X	<0.010						1	mg/l				
23B. 3,3'-Dichlorobenzidine (91-94-1)	X		X	<0.020						1	mg/l				
24B. Diethyl Phthalate (84-66-2)	X		X	<0.010						1	mg/l				
25B. Dimethyl Phthalate (131-11-3)	X		X	<0.010						1	mg/l				
26B. Di-N-Butyl Phthalate (84-74-2)	X		X	<0.010						1	mg/l				
27B. 2,4-Dinitrotoluene (121-14-2)	X		X	<0.010						1	mg/l				
28B. 2,6-Dinitrotoluene (606-20-2)	X		X	<0.010						1	mg/l				
29B. Di-N-Octyl Phthalate (117-84-0)	X		X	<0.010						1	mg/l				
30B. 1,2-Diphenylhydrazine (as Arsenobenzene) (122-66-7)	X		X	<0.010						1	mg/l				
31B. Fluoranthene (206-44-0)	X		X	<0.010						1	mg/l				
32B. Fluorene (86-73-7)	X		X	<0.010						1	mg/l				
33B. Hexachlorobenzene (118-74-1)	X		X	<0.010						1	mg/l				
34B. Hexachlorobutadiene (87-68-3)	X		X	<0.010						1	mg/l				
35B. Hexachlorocyclopentadiene (77-47-4)	X		X	<0.010						1	mg/l				
36B. Hexachloroethane (67-72-1)	X		X	<0.010						1	mg/l				
37B. Ideno (1,2,3-cd) Pyrene (193-39-5)	X		X	<0.010						1	mg/l				
38B. Isophorone (78-59-1)	X		X	<0.010						1	mg/l				
39B. Naphthalene (91-20-3)	X		X	<0.010						1	mg/l				
40B. Nitrobenzene (98-95-3)	X		X	<0.010						1	mg/l				
41B. N-Nitrosodimethylamine (62-75-9)	X		X	<0.010						1	mg/l				
42B. N-Nitrosodipropylamine (621-64-7)	X		X	<0.010						1	mg/l				

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1. POLLUTANT AND CAS NO. (if available)	MARK 'X'			3. EFFLUENT						4. UNITS		5. INTAKE (optional)			
	a. Test- ing Required	b. Be- lieved Present	c. Be- lieved Absent	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANAL- YSES	e. CONCN- TRATION	f. MASS	g. LONG TERM AVERAGE VALUE		h. NO. OF ANAL- YSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
<b>GC/MS FRACTION - BASE/NEUTRAL COMPOUNDS (Continued)</b>															
43B. N-Nitrosodiphenylamine (86-20-6)	X		X	<0.010						1	mg/l				
44B. Phenanthrene (85-01-8)	X		X	<0.010						1	mg/l				
45B. Pyrene (129-00-0)	X		X	<0.010						1	mg/l				
46B. 1,2,4-Trichlorobenzene (120-82-1)	X		X	<0.010						1	mg/l				
<b>GC/MS FRACTION - PESTICIDES</b>															
1P. Aldrin (309-00-2)			X												
2P. α-BHC (319-84-6)			X												
3P. β-BHC (319-85-7)			X												
4P. γ-BHC (58-89-9)			X												
5P. δ-BHC (319-86-8)			X												
6P. Chlordane (57-74-9)			X												
7P. 4,4'-DDT (50-29-3)			X												
8P. 4,4'-DDE (72-55-9)			X												
9P. 4,4'-DDD (72-54-8)			X												
10P. Dieldrin (60-57-1)			X												
11P. α-Endosulfan (115-29-7)			X												
12P. β-Endosulfan (115-29-7)			X												
13P. Endosulfan Sulfate (1031-07-8)			X												
14P. Endrin (72-20-8)			X												
15P. Endrin Aldehyde (7421-93-4)			X												
16P. Heptachlor (76-44-8)			X												



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1. POLLUTANT AND CAS NO. (if available)	MARK 'X'			3. EFFLUENT						4. UNITS		5. INTAKE (optional)			
	a. Test- ing Required	a. Be- lieved Present	b. Be- lieved Absent	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANAL- YSES	a. CONCEN- TRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANAL- YSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
<b>GC/MS FRACTION - PESTICIDES (continued)</b>															
17P. Heptachlor Epoxide (1024-57-3)			X												
18P. PCB-1242 (53469-21-9)			X												
19P. PCB-1254 (11097-69-1)			X												
20P. PCB-1221 (11104-28-2)			X												
21P. PCB-1232 (11141-16-5)			X												
22P. PCB-1248 (12672-29-6)			X												
23P. PCB-1260 (11096-82-5)			X												
24P. PCB-1016 (12674-11-2)			X												
25P. Toxaphene (8001-35-2)			X												

PLEASE PRINT OR TYPE IN THE UNSHADED AREAS ONLY. You may report some or all of this information on separate sheets (use the same format) instead of completing these pages.  
SEE INSTRUCTIONS

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Outfall No. 501

V. INTAKE AND EFFLUENT CHARACTERISTICS (continued from page 3 of Form 2-C)

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

1. POLLUTANT	2. Effluent						3. UNITS (specify if blank)		4. INTAKE (optional)			
	a. MAXIMUM DAILY VALUE (if available)		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
a. Biochemical Oxygen Demand (BOD)	2.0	4.34					1	mg/l	lb/d			
b. Chemical Oxygen Demand (COD)	26.0	56.38					1	mg/l	lb/d			
c. Total Organic Carbon (TOC)	7.0	15.18					1	mg/l	lb/d			
d. Total Suspended Solids (TSS)	4.3	9.32					4	mg/l	lb/d			
e. Ammonia (as N)	<0.1						1	mg/l				
f. Flow	0.26		0.26		0.26		1		MGD	N/A		
g. Temperature (winter)	N/A		N/A						°C	N/A		
h. Temperature (summer)	N/A		N/A						°C			
i. pH	MINIMUM 7.47	MAXIMUM 7.71	MINIMUM N/A	MAXIMUM N/A			4		STANDARD UNITS			

PART B - Mark "X" in column 2-a for each pollutant you know or have reason to believe is present. Mark "X" in column 2-b for each pollutant you believe to be absent. If you mark column 2a for any pollutant which is limited either directly, or indirectly but expressly, in an effluent limitations guideline, you must provide the results of at least one analysis for that pollutant. For other pollutants for which you mark column 2a, you must provide quantitative data or an explanation of their presence in your discharge. Complete one table for each outfall. See the instructions for additional details and requirements.

1. POLLUTANT AND CAS NO. (if available)	MARK "X"		3. EFFLUENT						4. UNITS		5. INTAKE			
	a. Believed Present	b. Believed Absent	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
			(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
a. Bromide (24959-67-9)	X													
b. Chlorine Total Residual	X													
c. Color	X		15.0					1	COLOR UNITS					
d. Fecal Coliform		X												
e. Fluoride (16984-48-8)		X												
f. Nitrate-Nitrite (as N)	X		0.9	1.95				1	mg/l	lb/d				

ITEM V-B CONTINUED FROM FRONT  
CONTINUED FROM PAGE V-1

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1. POLLUTANT AND CAS NO. (if available)	MARK "X"		3. EFFLUENT						4. UNITS		5. INTAKE			
	a. Believed Present	b. Believed Absent	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
			(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
g. Nitrogen, Total Organic (as N)	X													
h. Oil and Grease		X	<1.0						1	mg/l				
i. Phosphorus (as P), Total (7723-14-0)	X		2.5	5.42					1	mg/l	lb/d			
j. Radioactivity	X													
(1) Alpha, Total		X	0.5						1	pCi/l				
(2) Beta, Total	X		11.0						1	pCi/l				
(3) Radium, Total		X												
(4) Radium 226, Total		X												
k. Sulfate (as SO <sub>4</sub> ) (14808-798)	X		11.0	23.85					1	mg/l	lb/d			
l. Sulfide (as S)	X													
m. Sulfite (as SO <sub>3</sub> ) (14265-45-3)	X													
n. Surfactants		X												
o. Aluminum, Total (7429-90-5)		X	0.09 *	0.20					1	mg/l	lb/d			
p. Barium, Total (7440-39-3)		X	<0.02						1	mg/l				
q. Boron, Total (7440-42-8)		X	0.2 *	0.43					1	mg/l	lb/d			
r. Cobalt, Total (7440-48-4)		X												
s. Iron, Total (7439-89-6)	X		0.5	1.08					1	mg/l	lb/d			
t. Magnesium, Total (7439-95-4)		X	0.5 *	1.08					1	mg/l	lb/d			
u. Molybdenum, Total (7439-98-7)		X	<0.010						1	mg/l				
v. Manganese, Total (7439-96-5)		X												
w. Tin, Total (7440-31-5)		X												
x. Titanium, Total (7440-32-6)		X												

\* Waterford 3 is not a contributor. This is considered background levels from the Mississippi River.

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**PART C -** If you are a primary industry and this outfall contains process wastewater, refer to Table 2c-2 in the instructions to determine which of the GC/MS fractions you must test for. Mark "X" in column 2-a for all such GC/MS fractions that apply to your industry and for ALL toxic metals, cyanides, and total phenols. If you are not required to mark column 2-a (secondary industries, nonprocess wastewater outfalls, and nonrequired GC/MS fractions), mark "X" in column 2-b for each pollutant you know or have reason to believe is present. Mark "X" in column 2-c for each pollutant you believe is absent. If you mark column 2a for any pollutant, you must provide the results of at least one analysis for that pollutant. If you mark column 2b for any pollutant, you must provide the results of at least one analysis for that pollutant if you know or have reason to believe it will be discharged in concentrations of 10 ppb or greater. If you mark column 2b for acrolein, acrylonitrile, 2,4 dinitrophenol, or 2-methyl-4,6 dinitrophenol, you must provide the results of at least one analysis for each of these pollutants which you know or have reason to believe that you discharge in concentrations of 100 ppb or greater. Otherwise, for pollutants for which you mark column 2b, you must either submit at least one analysis or briefly describe the reasons the pollutant is expected to be discharged. Note that there are 7 pages to this part; please review each carefully. Complete one table (all 7 pages) for each outfall. See instructions for additional details and requirements.

1. POLLUTANT AND CAS NO. (if available)	MARK 'X'			3. EFFLUENT				4. UNITS		5. INTAKE (optional)					
	a. Testing Required	b. Believed Present	c. Believed Absent	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
<b>METALS, CYANIDE, AND TOTAL PHENOLS</b>															
1M. Antimony, Total (7440-36-0)	X		X	<0.05					1	mg/l					
2M. Arsenic, Total (7440-38-2)	X		X	<0.003					1	mg/l					
3M. Beryllium, Total (7440-41-7)	X		X	<0.004					1	mg/l					
4M. Cadmium, Total (7440-43-9)	X		X	<0.001					1	mg/l					
5M. Chromium, Total (7440-47-3)	X		X	0.01 *	0.02				1	mg/l	lb/d				
6M. Copper, Total (7440-50-8)	X	X		0.02	0.04				1	mg/l	lb/d				
7M. Lead, Total (7439-92-1)	X		X	0.006 *	0.01				1	mg/l	lb/d				
8M. Mercury, Total (7439-97-6)	X		X	0.0020 *	0.004				1	mg/l	lb/d				
9M. Nickel, Total (7440-02-0)	X		X	<0.04					1	mg/l					
10M. Selenium, Total (7782-49-2)	X		X	<0.005					1	mg/l					
11M. Silver, Total (7440-22-4)	X		X	<0.002					1	mg/l					
12M. Thallium, Total (7440-28-0)	X		X	<0.005					1	mg/l					
13M. Zinc, Total (7440-66-6)	X	X		1.72	3.73				1	mg/l	lb/d				
14M. Cyanide, Total (57-12-5)	X		X	<0.01					1	mg/l					
15M. Phenols, Total	X		X	<0.01					1	mg/l					
<b>DIOXIN</b>															
2,3,7,8-Tetrachlorodibenzo-P-Dioxin (1764-01-6)			X	10 * 100 01/31/11											

\* Waterford 3 is not a contributor. This is considered background levels from the Mississippi River.

1. POLLUTANT AND CAS NO. (if available)	MARK 'X'			3. EFFLUENT						4. UNITS		5. INTAKE (optional)			
	a. Testing Required	b. Believed Present	c. Believed Absent	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
<b>GC/MS FRACTION - VOLATILE COMPOUNDS</b>															
1V. Acrolein (107-02-8)	X		X												
2V. Acrylonitrile (107-13-1)	X		X												
3V. Benzene (71-43-2)	X		X	<0.005					1	mg/l					
4V. Bis (Chloromethyl) Ether (542-88-1)			X												
5V. Bromoform (75-25-2)	X		X	<0.005					1	mg/l					
6V. Carbon Tetrachloride (56-23-5)	X		X	<0.005					1	mg/l					
7V. Chlorobenzene (108-90-7)	X		X	<0.005					1	mg/l					
8V. Chlorodibromomethane (124-48-1)	X		X	<0.005					1	mg/l					
9V. Chloroethane (75-00-3)	X		X	<0.010					1	mg/l					
10V. 2-Chloro-ethylvinyl Ether (110-75-8)	X		X	<0.005					1	mg/l					
11V. Chloroform (67-66-3)	X		X	<0.005					1	mg/l					
12V. Dichlorobromomethane (75-27-4)	X		X	<0.005					1	mg/l					
13V. Dichlorodifluoromethane (75-71-8)			X						1	mg/l					
14V. 1,1-Dichloroethane (75-34-3)	X		X	<0.005					1	mg/l					
15V. 1,2-Dichloroethane (107-06-2)	X		X	<0.005					1	mg/l					
16V. 1,1-Dichloroethylene (75-35-4)	X		X	<0.005					1	mg/l					
17V. 1,2-Dichloropropane (78-87-5)	X		X	<0.005					1	mg/l					
18V. 1,3-Dichloropropylene (542-75-6)	X		X	<0.005					1	mg/l					
19V. Ethylbenzene (100-41-4)	X		X	<0.005					1	mg/l					
20V. Methyl Bromide (74-83-9)	X		X	<0.010					1	mg/l					
21V. Methyl Chloride (74-87-3)	X		X	<0.010					1	mg/l					

CONTINUED FROM PAGE V-4

EPA I.D. NUMBER (copy from Item 1 of Form 1) LA0007374

OUTFALL NUMBER 501

OMB No. 2040-0086  
Approval Expires 7-31-88

1. POLLUTANT AND CAS NO. (if available)	MARK 'X'			3. EFFLUENT						4. UNITS		5. INTAKE (optional)			
	a. Testing Required	b. Believed Present	c. Believed Absent	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANALYSES	e. CONCENTRATION	f. MASS	g. LONG TERM AVERAGE VALUE		h. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
<b>GC/MS FRACTION - VOLATILE COMPOUNDS (continued)</b>															
22V. Methylene Chloride (75-09-2)	X		X	<0.005						1	mg/l				
23V. 1,1,2,2-Tetrachloroethane (79-34-5)	X		X	<0.005						1	mg/l				
24V. Tetrachloroethylene (127-18-4)	X		X	<0.005						1	mg/l				
25V. Toluene (108-88-3)	X		X	<0.005						1	mg/l				
26V. 1,2-Trans-Dichloroethylene (156-60-5)	X		X												
27V. 1,1,1-Trichloroethane (71-55-6)	X		X	<0.005						1	mg/l				
28V. 1,1,2-Trichloroethane (79-00-5)	X		X	<0.005						1	mg/l				
29V. Trichloroethylene (79-01-6)	X		X	<0.005						1	mg/l				
30V. Trichloro-fluoromethane (75-69-4)			X	<0.010						1	mg/l				
31V. Vinyl Chloride (75-01-4)	X		X	<0.010						1	mg/l				
<b>GC/MS FRACTION - ACID COMPOUNDS</b>															
1A. 2-Chlorophenol (95-57-8)	X		X	<0.005						1	mg/l				
2A. 2,4-Dichlorophenol (120-83-2)	X		X	<0.005						1	mg/l				
3A. 2,4-Dimethylphenol (105-67-9)	X		X	<0.005						1	mg/l				
4A. 4,6-Dinitro-O-Cresol (534-52-1)	X		X	<0.050						1	mg/l				
5A. 2,4-Dinitrophenol (51-28-5)	X		X	<0.050						1	mg/l				
6A. 2-Nitrophenol (88-75-5)	X		X	<0.005						1	mg/l				
7A. 4-Nitrophenol (100-02-7)	X		X	<0.050						1	mg/l				
8A. P-Chloro-M-Cresol (59-50-7)	X		X	<0.005						1	mg/l				
9A. Pentachlorophenol (87-86-5)	X		X	<0.050						1	mg/l				
10A. Phenol (108-95-2)	X		X	<0.005						1	mg/l				
11A. 2,4,6-Trichlorophenol (88-06-2)	X		X	<0.005						1	mg/l				

EPA I.D. NUMBER (copy from Item 1 of Form 1) LA0007374	OUTFALL NUMBER 501
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Form Approved  
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Approval Expires 7-31-88

1. POLLUTANT AND CAS NO. (if available)	MARK 'X'			3. EFFLUENT						4. UNITS		5. INTAKE (optional)			
	a. Testing Required	b. Relieved Present	c. Relieved Absent	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
<b>GC/MS FRACTION - BASE/NEUTRAL COMPOUNDS</b>															
1B. Acenaphthene (83-32-9)	X		X	<0.005						1	mg/l				
2B. Acenaphthylene (208-96-8)	X		X	<0.005						1	mg/l				
3B. Anthracene (120-12-7)	X		X	<0.005						1	mg/l				
4B. Benzidine (92-87-5)	X		X	<0.050						1	mg/l				
5B. Benzo (a) Anthracene (56-55-3)	X		X	<0.005						1	mg/l				
6B. Benzo (a) Pyrene (50-32-8)	X		X	<0.005						1	mg/l				
7B. 3,4-Benzofluoranthene (205-99-2)	X		X	<0.005						1	mg/l				
8B. Benzo (ghi) Perylene (191-24-2)	X		X	<0.005						1	mg/l				
9B. Benzo (k) Fluoranthene (207-08-9)	X		X	<0.005						1	mg/l				
10B. Bis (2-Chloro-ethoxy) Methane (111-91-1)	X		X	<0.005						1	mg/l				
11B. Bis (2-Chloroethyl) Ether (111-44-4)	X		X	<0.005						1	mg/l				
12B. Bis (2-Chloroisopropyl) Ether (108-60-1)	X		X	<0.005						1	mg/l				
13B. Bis (2-Ethylhexyl) Phthalate (117-81-7)	X		X	<0.005						1	mg/l				
14B. 4-Bromo-phenyl Phenyl Ether (101-55-3)	X		X	<0.005						1	mg/l				
15B. Butyl Benzyl Phthalate (85-68-7)	X		X	<0.005						1	mg/l				
16B. 2-Chloro-naphthalene (91-58-7)	X		X	<0.005						1	mg/l				
17B. 4-Chloro-phenyl Phenyl Ether (7005-72-3)	X		X	<0.005						1	mg/l				
18B. Chrysene (218-01-9)	X		X	<0.005						1	mg/l				
19B. Dibenzo (a,h) Anthracene (53-70-3)	X		X	<0.005						1	mg/l				
20B. 1,2-Dichlorobenzene (95-50-1)	X		X	<0.005						1	mg/l				
21B. 1,3-Dichlorobenzene (541-73-1)	X		X	<0.005						1	mg/l				

1. POLLUTANT AND CAS NO. (if available)	MARK 'X'		3. EFFLUENT						4. UNITS		5. INTAKE (optional)				
	a. Test- ing Required	b. Be- lieved Present	b. Be- lieved Absent	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANAL- YSES	a. CONCENT- TRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANAL- YSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
GC/MS FRACTION - BASE/NEUTRAL COMPOUNDS (continued)															
22B. 1,4-Dichlorobenzene (106-46-7)	X		X	<0.005						1	mg/l				
23B. 3,3'-Dichlorobenzidine (91-94-1)	X		X	<0.005						1	mg/l				
24B. Diethyl Phthalate (84-66-2)	X		X	<0.005						1	mg/l				
25B. Dimethyl Phthalate (131-11-3)	X		X	<0.005						1	mg/l				
26B. Di-N-Butyl Phthalate (84-74-2)	X		X	<0.005						1	mg/l				
27B. 2,4-Dimethyltoluene (121-14-2)	X		X	<0.005						1	mg/l				
28B. 2,6-Dimethyltoluene (606-20-2)	X		X	<0.005						1	mg/l				
29B. Di-N-Octyl Phthalate (117-84-0)	X		X	<0.005						1	mg/l				
30B. 1,2-Diphenyl- hydrazine (as Azo- benzene) (122-66-7)	X		X	<0.005						1	mg/l				
31B. Fluoranthene (206-44-0)	X		X	<0.005						1	mg/l				
32B. Fluorene (86-73-7)	X		X	<0.005						1	mg/l				
33B. Hexachlorobenzene (118-74-1)	X		X	<0.005						1	mg/l				
34B. Hexachlorobutadiene (87-68-3)	X		X	<0.005						1	mg/l				
35B. Hexachlorocyclo- pentadiene (77-47-4)	X		X	<0.005						1	mg/l				
36B. Hexachloroethane (67-72-1)	X		X	<0.005						1	mg/l				
37B. Ideno (1,2,3-cd) Pyrene (193-39-5)	X		X	<0.005						1	mg/l				
38B. Japhorene (78-59-1)	X		X	<0.005						1	mg/l				
39B. Naphthalene (91-20-3)	X		X	<0.005						1	mg/l				
40B. Nitrobenzene (98-95-3)	X		X	<0.005						1	mg/l				
41B. N-Nitro-and- methylamine (62-75-9)	X		X	<0.005						1	mg/l				
42B. N-Nitrosodi-N- Propylamine (621-64-7)	X		X	<0.005						1	mg/l				



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1. POLLUTANT AND CAS NO. (if available)	MARK 'X'			3. EFFLUENT						4. UNITS		5. INTAKE (optional)			
	a. Test- ing Required	a. Be- lieved Present	b. Be- lieved Absent	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANAL- YSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANAL- YSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
<b>GC/MS FRACTION - BASE/NEUTRAL COMPOUNDS (Continued)</b>															
43B. N-Nitrosodiphenylamine (86-30-6)	X		X	<0.005						1	mg/l				
44B. Phenanthrene (85-01-8)	X		X	<0.005						1	mg/l				
45B. Pyrene (129-00-0)	X		X	<0.005						1	mg/l				
46B. 1,2,4-Tri-chlorobenzene (120-82-1)	X		X	<0.005						1	mg/l				
<b>GC/MS FRACTION - PESTICIDES</b>															
1P. Aldrin (309-00-2)			X												
2P. α-BHC (319-84-6)			X												
3P. β-BHC (319-85-7)			X												
4P. γ-BHC (58-89-9)			X												
5P. δ-BHC (319-86-8)			X												
6P. Chlordane (57-74-9)			X												
7P. 4,4'-DDT (50-29-3)			X												
8P. 4,4'-DDE (72-55-9)			X												
9P. 4,4'-DDD (72-54-8)			X												
10P. Dieldrin (60-57-1)			X												
11P. α-Endosulfan (115-29-7)			X												
12P. β-Endosulfan (115-29-7)			X												
13P. Endosulfan Sulfate (1031-07-8)			X												
14P. Endrin (72-20-8)			X												
15P. Endrin Aldehyde (7421-93-4)			X												
16P. Heptachlor (76-44-8)			X												

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OMB No. 2040-0086  
Approval Expires 7-31-88

1. POLLUTANT AND CAS NO. (if available)	MARK 'X'			3. EFFLUENT						4. UNITS		5. INTAKE (optional)			
	a. Testing Required	a. Believed Present	b. Believed Absent	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
<b>GC/MS FRACTION - PESTICIDES (continued)</b>															
17P. Heptachlor Epoxide (1024-57-3)			X												
18P. PCB-1242 (53469-21-9)			X												
19P. PCB-1254 (11097-69-1)			X												
20P. PCB-1221 (11104-28-2)			X												
21P. PCB-1232 (11141-16-5)			X												
22P. PCB-1248 (12672-29-6)			X												
23P. PCB-1260 (11096-82-5)			X												
24P. PCB-1016 (12674-11-2)			X												
25P. Toxaphene (8001-35-2)			X												

PLEASE PRINT OR TYPE IN THE UNSHADED AREAS ONLY. You may report some or all of this information on separate sheets (use the same format) instead of completing these pages. SEE INSTRUCTIONS

EPA I.D. NUMBER (copy from Item 1 of Form 1)  
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Form Approved  
OMB No. 2040-0088  
Approval expires 7-31-88

V. INTAKE AND EFFLUENT CHARACTERISTICS (continued from page 3 of Form 2-C) Outfall No. 601

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

1. POLLUTANT	2. EFFLUENT						3. UNITS (specify if blank)		4. INTAKE (optional)			
	a. MAXIMUM DAILY VALUE (if available)		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO OF ANALYSES
	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
a. Biochemical Oxygen Demand (BOD)	2.0	4.34					1	mg/l	lb/d			
b. Chemical Oxygen Demand (COD)	26.0	56.38					1	mg/l	lb/d			
c. Total Organic Carbon (TOC)	7.0	15.18					1	mg/l	lb/d			
d. Total Suspended Solids (TSS)	4.3	9.32					4	mg/l	lb/d			
e. Ammonia (as N)	<0.1						1	mg/l				
f. Flow	0.26		0.26		0.26		1		MGD	N/A		
g. Temperature (winter)	N/A		N/A		N/A				°C	N/A		
h. Temperature (summer)	N/A		N/A		N/A				°C			
i. pH	MINIMUM 7.47	MAXIMUM 7.71	MINIMUM N/A	MAXIMUM N/A			4	STANDARD UNITS				

PART B - Mark "X" in column 2-a for each pollutant you know or have reason to believe is present. Mark "X" in column 2-b for each pollutant you believe to be absent. If you mark column 2a for any pollutant which is limited either directly, or indirectly but expressly, in an effluent limitations guideline, you must provide the results of at least one analysis for that pollutant. For other pollutants for which you mark column 2a, you must provide quantitative data or an explanation of their presence in your discharge. Complete one table for each outfall. See the instructions for additional details and requirements.

1. POLLUTANT AND CAS NO. (if available)	MARK 'X'		3. EFFLUENT						4. UNITS		5. INTAKE			
	a. Believed Present	b. Believed Absent	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO OF ANALYSES
			(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
a. Bromide (24959-67-9)	X													
b. Chlorine Total Residual	X													
c. Color	X		15.0					1	COLOR UNITS					
d. Fecal Coliform		X												
e. Fluoride (16984-48-8)		X												
f. Nitrate-Nitrite (as N)	X		0.9	1.95				1	mg/l	lb/d				

EPA I.D. NUMBER (copy from Item 1 of Form 1) LA0007374  
OUTFALL NUMBER 601

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

1. POLLUTANT AND CAS NO. (if available)	MARK "X"		3. EFFLUENT						4. UNITS		5. INTAKE			
	a. Be- lieved Present	b. Be- lieved Absent	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
			(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
g. Nitrogen, Total Organic (as N)	X													
h. Oil and Grease		X	<1.0					1	mg/l					
i. Phosphorus (as P), Total (7723-14-0)	X		2.5	5.42				1	mg/l	lb/d				
j. Radioactivity	X													
(1) Alpha, Total		X	0.5					1	pCi/l					
(2) Beta, Total	X		11.0					1	pCi/l					
(3) Radium, Total		X												
(4) Radium 226, Total		X												
k. Sulfate (as SO <sub>4</sub> ) (14808-798)	X		11.0	23.85				1	mg/l	lb/d				
l. Sulfide (as S)	X													
m. Sulfite (as SO <sub>3</sub> ) (14265-45-3)	X													
n. Surfactants		X												
o. Aluminum, Total (7429-90-5)		X	0.09 *	0.20				1	mg/l	lb/d				
p. Barium, Total (7440-39-3)		X	<0.02					1	mg/l					
q. Boron, Total (7440-42-8)		X	0.2 *	0.43				1	mg/l	lb/d				
r. Cobalt, Total (7440-48-4)		X												
s. Iron, Total (7439-89-6)	X		0.5	1.08				1	mg/l	lb/d				
t. Magnesium, Total (7439-95-4)		X	0.5 *	1.08				1	mg/l	lb/d				
u. Molybdenum, Total (7439-98-7)		X	<0.010					1	mg/l					
v. Manganese, Total (7439-96-5)		X												
w. Tin, Total (7440-31-5)		X												
x. Titanium, Total (7440-32-6)		X												

\* Waterford 3 is not a contributor. This is considered background levels from the Mississippi River.

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**PART C -** If you are a primary industry and this outfall contains process wastewater, refer to Table 2c-2 in the instructions to determine which of the GC/MS fractions you must test for. Mark "X" in column 2-a for all such GC/MS fractions that apply to your industry and for ALL toxic metals, cyanides, and total phenols. If you are not required to mark column 2-a (secondary industries, nonprocess wastewater outfalls, and nonrequired GC/MS fractions), mark "X" in column 2-b for each pollutant you know or have reason to believe is present. Mark "X" in column 2-c for each pollutant you believe is absent. If you mark column 2a for any pollutant, you must provide the results of at least one analysis for that pollutant. If you mark column 2b for any pollutant, you must provide the results of at least one analysis for that pollutant if you know or have reason to believe it will be discharged in concentrations of 10 ppb or greater. If you mark column 2b for acrolein, acrylonitrile, 2,4 dinitrophenol, or 2-methyl-4,6 dinitrophenol, you must provide the results of at least one analysis for each of these pollutants which you know or have reason to believe that you discharge in concentrations of 100 ppb or greater. Otherwise, for pollutants for which you mark column 2b, you must either submit at least one analysis or briefly describe the reasons the pollutant is expected to be discharged. Note that there are 7 pages to this part; please review each carefully. Complete one table (all 7 pages) for each outfall. See instructions for additional details and requirements.

1. POLLUTANT AND CAS NO. (if available)	MARK 'X'			3. EFFLUENT						4. UNITS		5. INTAKE (optional)			
	a. Testing Required	a. Believed Present	b. Believed Absent	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
<b>METALS, CYANIDE, AND TOTAL PHENOLS</b>															
1M. Antimony, Total (7440-36-0)	X		X	<0.05						1	mg/l				
2M. Arsenic, Total (7440-38-2)	X		X	<0.003						1	mg/l				
3M. Beryllium, Total (7440-41-7)	X		X	<0.004						1	mg/l				
4M. Cadmium, Total (7440-43-9)	X		X	<0.001						1	mg/l				
5M. Chromium, Total (7440-47-3)	X		X	0.01 *	0.02					1	mg/l	lb/d			
6M. Copper, Total (7440-50-8)	X	X		0.02	0.04					1	mg/l	lb/d			
7M. Lead, Total (7439-92-1)	X		X	0.006 *	0.01					1	mg/l	lb/d			
8M. Mercury, Total (7439-97-6)	X		X	0.0020 *	0.004					1	mg/l	lb/d			
9M. Nickel, Total (7440-02-0)	X		X	<0.04						1	mg/l				
10M. Selenium, Total (7782-49-2)	X		X	<0.005						1	mg/l				
11M. Silver, Total (7440-22-4)	X		X	<0.002						1	mg/l				
12M. Thallium, Total (7440-28-0)	X		X	<0.005						1	mg/l				
13M. Zinc, Total (7440-66-6)	X	X		1.72	3.73					1	mg/l	lb/d			
14M. Cyanide, Total (57-12-5)	X		X	<0.01						1	mg/l				
15M. Phenols, Total	X		X	<0.01						1	mg/l				
<b>DIOXIN</b>															
2,3,7,8-Tetrachlorodibenzo-P-Dioxin (1764-01-6)			X	1000000000											

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1. POLLUTANT AND CAS NO. (if available)	MARK 'X'			3. EFFLUENT				4. UNITS		5. INTAKE (optional)					
	a. Testing Required	a. Believed Present	b. Believed Absent	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
<b>GC/MS FRACTION - VOLATILE COMPOUNDS</b>															
1V. Acrolein (107-02-8)	X		X												
2V. Acrylonitrile (107-13-1)	X		X												
3V. Benzene (71-43-2)	X		X	<0.005						1	mg/l				
4V. Bis (Chloromethyl) Ether (542-88-1)			X												
5V. Bromoform (75-25-2)	X		X	<0.005						1	mg/l				
6V. Carbon Tetrachloride (56-23-5)	X		X	<0.005						1	mg/l				
7V. Chlorobenzene (108-90-7)	X		X	<0.005						1	mg/l				
8V. Chlorodibromomethane (124-48-1)	X		X	<0.005						1	mg/l				
9V. Chloroethane (75-00-3)	X		X	<0.010						1	mg/l				
10V. 2-Chloro-ethylvinyl Ether (110-75-8)	X		X	<0.005						1	mg/l				
11V. Chloroform (67-66-3)	X		X	<0.005						1	mg/l				
12V. Dichlorobromomethane (75-27-4)	X		X	<0.005						1	mg/l				
13V. Dichlorodifluoromethane (75-71-8)			X							1	mg/l				
14V. 1,1-Dichloroethane (75-34-3)	X		X	<0.005						1	mg/l				
15V. 1,2-Dichloroethane (107-06-2)	X		X	<0.005						1	mg/l				
16V. 1,1-Dichloroethylene (75-35-4)	X		X	<0.005						1	mg/l				
17V. 1,2-Dichloropropane (78-87-5)	X		X	<0.005						1	mg/l				
18V. 1,3-Dichloropropylene (542-75-6)	X		X	<0.005						1	mg/l				
19V. Ethylbenzene (100-41-4)	X		X	<0.005						1	mg/l				
20V. Methyl Bromide (74-83-9)	X		X	<0.010						1	mg/l				
21V. Methyl Chloride (74-87-3)	X		X	<0.010						1	mg/l				

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Form 1) LA0007374

OUTFALL NUMBER

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Approval Expires 7-31-88

1. POLLUTANT AND CAS NO. (if available)	MARK 'X'			3. EFFLUENT						4. UNITS		5. INTAKE (optional)			
	a. Test- ing Required	b. Be- lieved Present	c. Be- lieved Absent	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANAL- YSES	e. CONCEN- TRATION	f. MASS	g. LONG TERM AVERAGE VALUE		h. NO. OF ANAL- YSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
<b>GC/MS FRACTION - VOLATILE COMPOUNDS (continued)</b>															
22V. Methylene Chloride (75-09-2)	X		X	<0.005						1	mg/l				
23V. 1,1,2,2-Tetrachloroethane (79-34-5)	X		X	<0.005						1	mg/l				
24V. Tetrachloroethylene (127-18-4)	X		X	<0.005						1	mg/l				
25V. Toluene (108-88-3)	X		X	<0.005						1	mg/l				
26V. 1,2-Trans-Dichloroethylene (156-60-5)	X		X												
27V. 1,1,1-Trichloroethane (71-55-6)	X		X	<0.005						1	mg/l				
28V. 1,1,2-Trichloroethane (79-00-5)	X		X	<0.005						1	mg/l				
29V. Trichloroethylene (79-01-6)	X		X	<0.005						1	mg/l				
30V. Trichloro-fluoromethane (75-69-4)			X	<0.010						1	mg/l				
31V. Vinyl Chloride (75-01-4)	X		X	<0.010						1	mg/l				
<b>GC/MS FRACTION - ACID COMPOUNDS</b>															
1A. 2-Chlorophenol (95-57-8)	X		X	<0.005						1	mg/l				
2A. 2,4-Dichlorophenol (120-83-2)	X		X	<0.005						1	mg/l				
3A. 2,4-Dimethylphenol (105-67-9)	X		X	<0.005						1	mg/l				
4A. 4,6-Dinitro-O-Cresol (534-52-1)	X		X	<0.050						1	mg/l				
5A. 2,4-Dinitrophenol (51-28-5)	X		X	<0.050						1	mg/l				
6A. 2-Nitrophenol (88-75-5)	X		X	<0.005						1	mg/l				
7A. 4-Nitrophenol (100-02-7)	X		X	<0.050						1	mg/l				
8A. P-Chloro-M-Cresol (59-50-7)	X		X	<0.005						1	mg/l				
9A. Pentachlorophenol (87-86-5)	X		X	<0.050						1	mg/l				
10A. Phenol (108-95-2)	X		X	<0.005						1	mg/l				
11A. 2,4,6-Trichlorophenol (88-06-2)	X		X	<0.005						1	mg/l				

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1. POLLUTANT AND CAS NO. (if available)	MARK 'X'			3. EFFLUENT						4. UNITS		5. INTAKE (optional)			
	a. Testing Required	b. Believed Present	c. Believed Absent	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
<b>GC/MS FRACTION - BASE/NEUTRAL COMPOUNDS</b>															
1B. Acenaphthene (83-32-9)	X		X	<0.005						1	mg/l				
2B. Acenaphthylene (208-96-8)	X		X	<0.005						1	mg/l				
3B. Anthracene (120-12-7)	X		X	<0.005						1	mg/l				
4B. Benzidine (92-87-5)	X		X	<0.050						1	mg/l				
5B. Benzo (a) Anthracene (56-55-3)	X		X	<0.005						1	mg/l				
6B. Benzo (a) Pyrene (50-32-8)	X		X	<0.005						1	mg/l				
7B. 3,4-Benzofluoranthene (205-99-2)	X		X	<0.005						1	mg/l				
8B. Benzo (ghi) Perylene (191-24-2)	X		X	<0.005						1	mg/l				
9B. Benzo (k) Fluoranthene (207-08-9)	X		X	<0.005						1	mg/l				
10B. Bis (2-Chloro-ethoxy) Methane (111-91-1)	X		X	<0.005						1	mg/l				
11B. Bis (2-Chloroethyl) Ether (111-44-4)	X		X	<0.005						1	mg/l				
12B. Bis (2-Chloroisopropyl) Ether (108-60-1)	X		X	<0.005						1	mg/l				
13B. Bis (2-Ethylhexyl) Phthalate (117-81-7)	X		X	<0.005						1	mg/l				
14B. 4-Bromo-phenyl Phenyl Ether (101-55-3)	X		X	<0.005						1	mg/l				
15B. Butyl Benzyl Phthalate (85-68-7)	X		X	<0.005						1	mg/l				
16B. 2-Chloro-naphthalene (91-58-7)	X		X	<0.005						1	mg/l				
17B. 4-Chloro-phenyl Phenyl Ether (7005-72-3)	X		X	<0.005						1	mg/l				
18B. Chrysene (218-01-9)	X		X	<0.005						1	mg/l				
19B. Dibenzo (a,k) Anthracene (53-70-3)	X		X	<0.005						1	mg/l				
20B. 1,2-Dichlorobenzene (95-50-1)	X		X	<0.005						1	mg/l				
21B. 1,3-Dichlorobenzene (541-73-1)	X		X	<0.005						1	mg/l				



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	a. Test- ing Required	b. Be- lieved Present	c. Be- lieved Absent	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANAL- YSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANAL- YSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
GC/MS FRACTION - BASE/NEUTRAL COMPOUNDS (continued)															
22B. 1,4-Dichlorobenzene (106-46-7)	X		X	<0.005						1	mg/l				
23B. 3,3'-Dichlorobenzidine (91-94-1)	X		X	<0.005						1	mg/l				
24B. Diethyl Phthalate (84-66-2)	X		X	<0.005						1	mg/l				
25B. Dimethyl Phthalate (131-11-3)	X		X	<0.005						1	mg/l				
26B. Di-N-Butyl Phthalate (84-74-2)	X		X	<0.005						1	mg/l				
27B. 2,4-Dinitrotoluene (121-14-2)	X		X	<0.005						1	mg/l				
28B. 2,6-Dinitrotoluene (606-20-2)	X		X	<0.005						1	mg/l				
29B. Di-N-Octyl Phthalate (117-84-0)	X		X	<0.005						1	mg/l				
30B. 1,2-Diphenyl- hydrazine (as Azo- benzene) (122-66-7)	X		X	<0.005						1	mg/l				
31B. Fluoranthene (206-44-0)	X		X	<0.005						1	mg/l				
32B. Fluorene (86-73-7)	X		X	<0.005						1	mg/l				
33B. Hexachlorobenzene (118-74-1)	X		X	<0.005						1	mg/l				
34B. Hexachlorobutadiene (87-68-3)	X		X	<0.005						1	mg/l				
35B. Hexachlorocyclo- pentadiene (77-47-4)	X		X	<0.005						1	mg/l				
36B. Hexachloroethane (67-72-1)	X		X	<0.005						1	mg/l				
37B. Ideno (1,2,3-cd) Pyrene (193-39-5)	X		X	<0.005						1	mg/l				
38B. Isophorone (78-59-1)	X		X	<0.005						1	mg/l				
39B. Naphthalene (91-20-3)	X		X	<0.005						1	mg/l				
40B. Nitrobenzene (98-95-3)	X		X	<0.005						1	mg/l				
41B. N-Nitro-sodi- methylamine (62-75-9)	X		X	<0.005						1	mg/l				
42B. N-Nitrosodi-N- Propylamine (621-64-7)	X		X	<0.005						1	mg/l				

CONTINUED FROM PAGE V-7

EPA I.D. NUMBER (copy from Item 1 of Form 1) LA0007374

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1. POLLUTANT AND CASNO. (if available)	MARK 'X'			3. EFFLUENT						4. UNITS		5. INTAKE (optional)			
	a. Testing Required	a. Believed Present	b. Believed Absent	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRO. VALUE (if available)		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
<b>GC/MS FRACTION - BASE/NEUTRAL COMPOUNDS (Continued)</b>															
43B. N-Nitrosodiphenylamine (86-30-6)	X		X	<0.005						1	mg/l				
44B. Phenanthrene (85-01-8)	X		X	<0.005						1	mg/l				
45B. Pyrene (129-00-0)	X		X	<0.005						1	mg/l				
46B. 1,2,4-Tri-chlorobenzene (120-82-1)	X		X	<0.005						1	mg/l				
<b>GC/MS FRACTION - PESTICIDES</b>															
1P. Aldrin (309-00-2)			X												
2P. α-BHC (319-84-6)			X												
3P. β-BHC (319-85-7)			X												
4P. γ-BHC (58-89-9)			X												
5P. δ-BHC (319-86-8)			X												
6P. Chlordane (57-74-9)			X												
7P. 4,4'-DDT (50-29-3)			X												
8P. 4,4'-DDE (72-55-9)			X												
9P. 4,4'-DDD (72-54-8)			X												
10P. Dieldrin (60-57-1)			X												
11P. α-Endosulfan (115-29-7)			X												
12P. β-Endosulfan (115-29-7)			X												
13P. Endosulfan Sulfate (1031-07-8)			X												
14P. Endrin (72-20-8)			X												
15P. Endrin Aldehyde (7421-93-4)			X												
16P. Heptachlor (76-44-8)			X												

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1. POLLUTANT AND CAS NO. (if available)	MARK 'X'			3. EFFLUENT						4. UNITS		5. INTAKE (optional)			
	a. Testing Required	a. Believed Present	b. Believed Absent	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
<b>GC/MS FRACTION - PESTICIDES (continued)</b>															
17P. Heptachlor Epoxide (1024-57-3)			X												
18P. PCB-1242 (53469-21-9)			X												
19P. PCB-1254 (11097-69-1)			X												
20P. PCB-1221 (11104-28-2)			X												
21P. PCB-1232 (11141-16-5)			X												
22P. PCB-1248 (12672-29-6)			X												
23P. PCB-1260 (11096-82-5)			X												
24P. PCB-1016 (12674-11-2)			X												
25P. Toxaphene (8001-35-2)			X												

PLEASE PRINT OR TYPE IN THE UNSHADED AREAS ONLY. You may report some or all of this information on separate sheets (use the same format) instead of completing these pages. SEE INSTRUCTIONS

EPA I.D. NUMBER (copy from Item 1 of Form 1)  
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V. INTAKE AND EFFLUENT CHARACTERISTICS (continued from page 3 of Form 2-C) Outfall No. 701

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

1. POLLUTANT	2. Effluent						d. NO OF ANALYSES	3. UNITS (specify if blank)		4. INTAKE (optional)		b. NO OF ANALYSES
	a. MAXIMUM DAILY VALUE (if available)		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)			a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		
	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
a. Biochemical Oxygen Demand (BOD)	8.1	0.82					1	mg/l	lb/d			
b. Chemical Oxygen Demand (COD)	35.6	3.62					1	mg/l	lb/d			
c. Total Organic Carbon (TOC)	18.4	1.87					12	mg/l	lb/d			
d. Total Suspended Solids (TSS)	19.4	1.97					12	mg/l	lb/d			
e. Ammonia (as N)	0.86	0.09					1	mg/l	lb/d			
f. Flow	0.0425		0.0425		0.0122		12		MGD	N/A		
g. Temperature (winter)	N/A		N/A		N/A				°C	N/A		
h. Temperature (summer)	N/A		N/A		N/A				°C	N/A		
i. pH	MINIMUM 6.60	MAXIMUM 7.41	MINIMUM N/A	MAXIMUM N/A			24	STANDARD UNITS				

PART B - Mark "X" in column 2-a for each pollutant you know or have reason to believe is present. Mark "X" in column 2-b for each pollutant you believe to be absent. If you mark column 2a for any pollutant which is limited either directly, or indirectly but expressly, in an effluent limitations guideline, you must provide the results of at least one analysis for that pollutant. For other pollutants for which you mark column 2a, you must provide quantitative data or an explanation of their presence in your discharge. Complete one table for each outfall. See the instructions for additional details and requirements.

1. POLLUTANT AND CAS NO. (if available)	MARK "X"		3. EFFLUENT						4. UNITS		5. INTAKE		b. NO. OF ANALYSES	
	a. Believed Present	b. Believed Absent	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		
			(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION		(2) MASS
a. Bromide (24959-67-9)	X													
b. Chlorine Total Residual	X													
c. Color	X		<5.0						1	COLOR UNITS				
d. Fecal Coliform		X												
e. Fluoride (16984-48-8)		X												
f. Nitrate-Nitrite (as N)	X		4.1	0.42					1	mg/l	lb/d			

EPA I.D. NUMBER (copy from Item 1 of Form 1) LA0007374  
OUTFALL NUMBER 701

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Approval Expires 7-31-88

1. POLLUTANT AND CAS NO. (if available)	MARK "X"		3. EFFLUENT						4. UNITS		5. INTAKE			
	a. Be- lieved Present	b. Be- lieved Absent	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANALYSES	a. CONCEN- TRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANAL- YSES
			(1) CONCENTRATION	(2) MASS	(1) CONCEN- TRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
g. Nitrogen, Total Organic (as N)	X													
h. Oil and Grease	X		0.0					12	mg/l					
i. Phosphorus (as P), Total (7723-14-0)	X		4.6	0.47				1	mg/l	lb/d				
j. Radioactivity	X													
(1) Alpha, Total		X	<1.02					1	pCi/l					
(2) Beta, Total	X		4.93					1	pCi/l					
(3) Radium, Total		X												
(4) Radium 226, Total		X												
k. Sulfate (as SO <sub>4</sub> ) (14808-798)	X		39.5	4.02				1	mg/l	lb/d				
l. Sulfide (as S)	X													
m. Sulfite (as SO <sub>3</sub> ) (14265-45-3)	X													
n. Surfactants		X												
o. Aluminum, Total (7429-00-5)		X	<0.20					1	mg/l					
p. Barium, Total (7440-39-3)		X	<0.20					1	mg/l					
q. Boron, Total (7440-42-8)		X	1.71	0.17				1	mg/l	lb/d				
r. Cobalt, Total (7440-48-4)		X												
s. Iron, Total (7439-89-6)	X		0.250	0.03				1	mg/l	lb/d				
t. Magnesium, Total (7439-95-4)	X		1.43	0.15				1	mg/l	lb/d				
u. Molybdenum, Total (7439-98-7)	X		29.3	2.98				1	mg/l	lb/d				
v. Manganese, Total (7439-96-5)		X												
w. Tin, Total (7440-31-5)		X												
x. Titanium, Total (7440-32-6)		X												

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**PART C -** If you are a primary industry and this outfall contains process wastewater, refer to Table 2c-2 in the instructions to determine which of the GC/MS fractions you must test for. Mark "X" in column 2-a for all such GC/MS fractions that apply to your industry and for ALL toxic metals, cyanides, and total phenols. If you are not required to mark column 2-a (secondary industries, nonprocess wastewater outfalls, and nonrequired GC/MS fractions), mark "X" in column 2-b for each pollutant you know or have reason to believe is present. Mark "X" in column 2-c for each pollutant you believe is absent. If you mark column 2a for any pollutant, you must provide the results of at least one analysis for that pollutant. If you mark column 2b for any pollutant, you must provide the results of at least one analysis for that pollutant if you know or have reason to believe it will be discharged in concentrations of 10 ppb or greater. If you mark column 2b for acrolein, acrylonitrile, 2,4 dinitrophenol, or 2-methyl-4, 6 dinitrophenol, you must provide the results of at least one analysis for each of these pollutants which you know or have reason to believe that you discharge in concentrations of 100 ppb or greater. Otherwise, for pollutants for which you mark column 2b, you must either submit at least one analysis or briefly describe the reasons the pollutant is expected to be discharged. Note that there are 7 pages to this part; please review each carefully. Complete one table (all 7 pages) for each outfall. See instructions for additional details and requirements.

1. POLLUTANT AND CAS NO. (if available)	MARK 'X'			3. EFFLUENT						4. UNITS		5. INTAKE (optional)			
	a. Testing Required	a. Believed Present	b. Believed Absent	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
<b>METALS, CYANIDE, AND TOTAL PHENOLS</b>															
1M. Ammony, Total (7440-36-0)	X		X	<0.060					1	mg/l					
2M. Arsenic, Total (7440-38-2)	X		X	<0.010					1	mg/l					
3M. Beryllium, Total (7440-41-7)	X		X	<0.005					1	mg/l					
4M. Cadmium, Total (7440-43-9)	X	X		0.00439	0.0004				1	mg/l	lb/d				
5M. Chromium, Total (7440-47-3)	X		X	<0.010					1	mg/l					
6M. Copper, Total (7440-50-8)	X	X		0.0276	0.003				1	mg/l	lb/d				
7M. Lead, Total (7439-92-1)	X		X	<0.003					1	mg/l					
8M. Mercury, Total (7439-97-6)	X		X	<0.0002					1	mg/l					
9M. Nickel, Total (7440-02-0)	X		X	<0.040					1	mg/l					
10M. Selenium, Total (7782-49-2)	X		X	<0.005					1	mg/l					
11M. Silver, Total (7440-22-4)	X		X	<0.002					1	mg/l					
12M. Thallium, Total (7440-28-0)	X		X	<0.010					1	mg/l					
13M. Zinc, Total (7440-66-6)	X	X		12.3	1.25				1	mg/l	lb/d				
14M. Cyanide, Total (57-12-5)	X		X	<0.010					1	mg/l					
15M. Phenols, Total	X		X	<0.005					1	mg/l					
<b>DIOXIN</b>															
2,3,7,8-Tetrachlorodibenzo-P-Dioxin (1764-01-6)			X	NO RESULTS											

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	a. Testing Required	a. Believed Present	b. Believed Absent	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
GC/MS FRACTION - VOLATILE COMPOUNDS															
1V. Acrolein (107-02-8)	X		X	<0.020						1	mg/l				
2V. Acrylonitrile (107-13-1)	X		X	<0.020						1	mg/l				
3V. Benzene (71-43-2)	X		X	<0.005						1	mg/l				
4V. Bis (Chloromethyl) Ether (542-88-1)			X												
5V. Bromoform (75-25-2)	X		X	<0.005						1	mg/l				
6V. Carbon Tetrachloride (56-23-5)	X		X	<0.005						1	mg/l				
7V. Chlorobenzene (108-90-7)	X		X	<0.005						1	mg/l				
8V. Chlorodibromomethane (124-48-1)	X		X	<0.005						1	mg/l				
9V. Chloroethane (75-00-3)	X		X	<0.005						1	mg/l				
10V. 2-Chloro-ethylvinyl Ether (110-75-8)	X		X	<0.020						1	mg/l				
11V. Chloroform (67-66-3)	X		X	<0.005						1	mg/l				
12V. Dichlorobromomethane (75-27-4)	X		X	<0.005						1	mg/l				
13V. Dichlorodifluoromethane (75-71-8)			X												
14V. 1,1-Dichloroethane (75-34-3)	X		X	<0.005						1	mg/l				
15V. 1,2-Dichloroethane (107-06-2)	X		X	<0.005						1	mg/l				
16V. 1,1-Dichloroethylene (75-35-4)	X		X	<0.005						1	mg/l				
17V. 1,2-Dichloropropane (78-87-5)	X		X	<0.005						1	mg/l				
18V. 1,3-Dichloropropylene (542-75-6)	X		X	<0.005						2	mg/l				
19V. Ethylbenzene (100-41-4)	X		X	<0.005						1	mg/l				
20V. Methyl Bromide (74-83-9)	X		X	<0.005						1	mg/l				
21V. Methyl Chloride (74-87-3)	X		X	<0.005						1	mg/l				

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	a. Testing Required	a. Believed Present	b. Believed Absent	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
<b>GC/MS FRACTION - VOLATILE COMPOUNDS (continued)</b>															
22V. Methylene Chloride (75-09-2)	X		X	<0.005						1	mg/l				
23V. 1,1,2,2-Tetrachloroethane (79-34-5)	X		X	<0.005						1	mg/l				
24V. Tetrachloroethylene (127-18-4)	X		X	<0.005						1	mg/l				
25V. Toluene (108-88-3)	X		X	<0.005						1	mg/l				
26V. 1,2-Trans-Dichloroethylene (156-60-5)	X		X	<0.005						1	mg/l				
27V. 1,1,1-Trichloroethane (71-55-6)	X		X	<0.005						1	mg/l				
28V. 1,1,2-Trichloroethane (79-00-5)	X		X	<0.005						1	mg/l				
29V. Trichloroethylene (79-01-6)	X		X	<0.005						1	mg/l				
30V. Trichloro-fluoromethane (75-69-4)			X												
31V. Vinyl Chloride (75-01-4)	X		X	<0.005						1	mg/l				
<b>GC/MS FRACTION - ACID COMPOUNDS</b>															
1A. 2-Chlorophenol (95-57-8)	X		X	<0.010						1	mg/l				
2A. 2,4-Dichlorophenol (120-83-2)	X		X	<0.010						1	mg/l				
3A. 2,4-Dimethylphenol (105-67-9)	X		X	<0.010						1	mg/l				
4A. 4,6-Dinitro-O-Cresol (534-52-1)	X		X	<0.025						1	mg/l				
5A. 2,4-Dinitrophenol (51-28-5)	X		X	<0.025						1	mg/l				
6A. 2-Nitrophenol (88-75-5)	X		X	<0.010						1	mg/l				
7A. 4-Nitrophenol (100-02-7)	X		X	<0.025						1	mg/l				
8A. P-Chloro-M-Cresol (59-50-7)	X		X	<0.010						1	mg/l				
9A. Pentachlorophenol (87-86-5)	X		X	<0.025						1	mg/l				
10A. Phenol (108-95-2)	X		X	<0.010						1	mg/l				
11A. 2,4,6-Trichlorophenol (88-06-2)	X		X	<0.010						1	mg/l				



1. POLLUTANT AND CAS NO. (if available)	MARK 'X'			3. EFFLUENT						4. UNITS		5. INTAKE (optional)			
	a. Testing Required	b. Believed Present	c. Believed Absent	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
GC/MS FRACTION - BASE/NEUTRAL COMPOUNDS (continued)															
22B. 1,4-Dichlorobenzene (106-46-7)	X		X	<0.010						1	mg/l				
23B. 3,3'-Dichlorobenzidine (91-94-1)	X		X	<0.020						1	mg/l				
24B. Diethyl Phthalate (84-66-2)	X		X	<0.010						1	mg/l				
25B. Dimethyl Phthalate (131-11-3)	X		X	<0.010						1	mg/l				
26B. Di-N-Butyl Phthalate (84-74-2)	X		X	<0.010						1	mg/l				
27B. 2,4-Dinitrotoluene (121-14-2)	X		X	<0.010						1	mg/l				
28B. 2,6-Dinitrotoluene (606-20-2)	X		X	<0.010						1	mg/l				
29B. Di-N-Octyl Phthalate (117-84-0)	X		X	<0.010						1	mg/l				
30B. 1,2-Diphenylhydrazine (as Azobenzene) (122-66-7)	X		X	<0.010						1	mg/l				
31B. Fluoranthene (206-44-0)	X		X	<0.010						1	mg/l				
32B. Fluorene (86-73-7)	X		X	<0.010						1	mg/l				
33B. Hexachlorobenzene (118-74-1)	X		X	<0.010						1	mg/l				
34B. Hexachlorobutadiene (87-68-3)	X		X	<0.010						1	mg/l				
35B. Hexachlorocyclopentadiene (77-47-4)	X		X	<0.010						1	mg/l				
36B. Hexachloroethane (67-72-1)	X		X	<0.010						1	mg/l				
37B. Idem (1,2,3-cd) Pyrene (193-39-5)	X		X	<0.010						1	mg/l				
38B. Isophorone (78-59-1)	X		X	<0.010						1	mg/l				
39B. Naphthalene (91-20-3)	X		X	<0.010						1	mg/l				
40B. Nitrobenzene (98-95-3)	X		X	<0.010						1	mg/l				
41B. N-Nitrosodimethylamine (62-75-9)	X		X	<0.010						1	mg/l				
42B. N-Nitrosodipropylamine (621-64-7)	X		X	<0.010						1	mg/l				

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	a. Testing Required	b. Believed Present	c. Believed Absent	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
<b>GC/MS FRACTION - BASE/NEUTRAL COMPOUNDS</b>															
1B. Acenaphthene (83-32-9)	X		X	<0.010						1	mg/l				
2B. Acenaphthylene (208-96-8)	X		X	<0.010						1	mg/l				
3B. Anthracene (120-12-7)	X		X	<0.010						1	mg/l				
4B. Benzidine (92-87-5)	X		X	<0.030						1	mg/l				
5B. Benzo (a) Anthracene (56-55-3)	X		X	<0.010						1	mg/l				
6B. Benzo (a) Pyrene (50-32-8)	X		X	<0.010						1	mg/l				
7B. 3,4-Benzofluoranthene (205-99-2)	X		X	<0.010						1	mg/l				
8B. Benzo (ghi) Perylene (191-24-2)	X		X	<0.010						1	mg/l				
9B. Benzo (k) Fluoranthene (207-08-9)	X		X	<0.010						1	mg/l				
10B. Bis (2-Chloro-ethoxy) Methane (111-91-1)	X		X	<0.010						1	mg/l				
11B. Bis (2-Chloroethyl) Ether (111-44-4)	X		X	<0.010						1	mg/l				
12B. Bis (2-Chloroisopropyl) Ether (108-60-1)	X		X	<0.010						1	mg/l				
13B. Bis (2-Ethylhexyl) Phthalate (117-81-7)	X		X	<0.010						1	mg/l				
14B. 4-Bromo-phenyl Phenyl Ether (101-55-3)	X		X	<0.010						1	mg/l				
15B. Butyl Benzyl Phthalate (85-68-7)	X		X	<0.010						1	mg/l				
16B. 2-Chloro-naphthalene (91-58-7)	X		X	<0.010						1	mg/l				
17B. 4-Chloro-phenyl Phenyl Ether (7005-72-3)	X		X	<0.010						1	mg/l				
18B. Chrysene (218-01-9)	X		X	<0.010						1	mg/l				
19B. Dibenzo (a,h) Anthracene (53-70-3)	X		X	<0.010						1	mg/l				
20B. 1,2-Dichlorobenzene (95-50-1)	X		X	<0.010						1	mg/l				
21B. 1,3-Dichlorobenzene (541-73-1)	X		X	<0.010						1	mg/l				

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	a. Testing Required	a. Believed Present	b. Believed Absent	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
<b>GC/MS FRACTION - BASE/NEUTRAL COMPOUNDS (Continued)</b>															
43B. N-Nitrosodiphenylamine (86-30-6)	X		X	<0.010						1	mg/l				
44B. Phenanthrene (85-01-8)	X		X	<0.010						1	mg/l				
45B. Pyrene (129-00-0)	X		X	<0.010						1	mg/l				
46B. 1,2,4-Trichlorobenzene (120-82-1)	X		X	<0.010						1	mg/l				
<b>GC/MS FRACTION - PESTICIDES</b>															
1P. Aldrin (309-00-2)			X												
2P. α-BHC (319-84-6)			X												
3P. β-BHC (319-85-7)			X												
4P. γ-BHC (58-89-9)			X												
5P. δ-BHC (319-86-8)			X												
6P. Chlordane (57-74-9)			X												
7P. 4,4'-DDT (50-29-3)			X												
8P. 4,4'-DDE (72-55-9)			X												
9P. 4,4'-DDD (72-54-8)			X												
10P. Dieldrin (60-57-1)			X												
11P. α-Endosulfan (115-29-7)			X												
12P. β-Endosulfan (115-29-7)			X												
13P. Endosulfan Sulfate (1031-07-8)			X												
14P. Endrin (72-20-8)			X												
15P. Endrin Aldehyde (7421-93-4)			X												
16P. Heptachlor (76-44-8)			X												

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	a. Testing Required	a. Believed Present	b. Believed Absent	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
<b>GC/MS FRACTION - PESTICIDES (continued)</b>															
17P. Heptachlor Epoxide (1024-57-3)			X												
18P. PCB-1242 (53469-21-9)			X												
19P. PCB-1254 (11097-69-1)			X												
20P. PCB-1221 (11104-28-2)			X												
21P. PCB-1232 (11141-16-5)			X												
22P. PCB-1248 (12672-29-6)			X												
23P. PCB-1260 (11096-82-5)			X												
24P. PCB-1016 (12674-11-2)			X												
25P. Toxaphene (8001-35-2)			X												

PLEASE PRINT OR TYPE IN THE UNSHADED AREAS ONLY. You may report some or all of this information on separate sheets (use the same format) instead of completing these pages. SEE INSTRUCTIONS

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V. INTAKE AND EFFLUENT CHARACTERISTICS (continued from page 3 of Form 2-C) Outfall No. 801

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

1. POLLUTANT	2. EFFLUENT						3. UNITS (specify if blank)		4. INTAKE (optional)			
	a. MAXIMUM DAILY VALUE (if available)		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO OF ANALYSES
	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
a. Biochemical Oxygen Demand (BOD)	<2.0						1	mg/l				
b. Chemical Oxygen Demand (COD)	9.0	1.39					1	mg/l	lb/d			
c. Total Organic Carbon (TOC)	10.1	1.56					12	mg/l	lb/d			
d. Total Suspended Solids (TSS)	5.0	0.77					12	mg/l	lb/d			
e. Ammonia (as N)	0.20	0.03					1	mg/l	lb/d			
f. Flow	VALUE 0.0545		VALUE 0.0545		VALUE 0.0185		12		MGD	VALUE N/A		
g. Temperature (winter)	VALUE N/A		VALUE N/A						°C	VALUE N/A		
h. Temperature (summer)	VALUE N/A		VALUE N/A		VALUE N/A				°C			
i. pH	MINIMUM 6.15	MAXIMUM 7.62	MINIMUM N/A	MAXIMUM N/A			24	STANDARD UNITS				

PART B - Mark "X" in column 2-a for each pollutant you know or have reason to believe is present. Mark "X" in column 2-b for each pollutant you believe to be absent. If you mark column 2a for any pollutant which is limited either directly, or indirectly but expressly, in an effluent limitations guideline, you must provide the results of at least one analysis for that pollutant. For other pollutants for which you mark column 2a, you must provide quantitative data or an explanation of their presence in your discharge. Complete one table for each outfall. See the instructions for additional details and requirements.

1. POLLUTANT AND CAS NO. (if available)	MARK "X"		3. EFFLUENT						4. UNITS		5. INTAKE			
	a. Believed Present	b. Believed Absent	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO OF ANALYSES
			(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
a. Bromide (24959-67-9)	X													
b. Chlorine Total Residual	X													
c. Color	X		<5.0						1	COLOR UNITS				
d. Fecal Coliform		X												
e. Fluoride (16984-48-8)		X												
f. Nitrate-Nitrite (as N)	X		1.50	0.23					1	mg/l	lb/d			

ITEM V-B CONTINUED FROM FRONT  
CONTINUED FROM PAGE V-1

EPA I.D. NUMBER (copy from Item 1 of Form 1) LA0007374  
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1. POLLUTANT AND CAS NO. (if available)	MARK "X"		3. EFFLUENT						4. UNITS		5. INTAKE			
	a. Be- lieved Present	b. Be- lieved Absent	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
			(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
g. Nitrogen, Total Organic (as N)	X													
h. Oil and Grease	X		0.0					12	mg/l					
i. Phosphorus (as P), Total (7723-14-0)	X		0.40	0.06				1	mg/l	lb/d				
j. Radioactivity	X													
(1) Alpha, Total		X	<0.81					1	pCi/l					
(2) Beta, Total	X		<1.21					1	pCi/l					
(3) Radium, Total		X												
(4) Radium 226, Total		X												
k. Sulfate (as SO <sub>4</sub> ) (14808-798)	X		24.5	3.78				1	mg/l	lb/d				
l. Sulfide (as S)	X													
m. Sulfite (as SO <sub>3</sub> ) (14265-45-3)	X													
n. Surfactants		X												
o. Aluminum, Total (7429-90-5)		X	<0.20					1	mg/l					
p. Barium, Total (7440-39-3)		X	<0.20					1	mg/l					
q. Boron, Total (7440-42-8)		X	0.454	0.07				1	mg/l	lb/d				
r. Cobalt, Total (7440-48-4)		X												
s. Iron, Total (7439-89-6)	X		0.106	0.02				1	mg/l	lb/d				
t. Magnesium, Total (7439-95-4)		X	<0.50					1	mg/l					
u. Molybdenum, Total (7439-98-7)	X		7.81	1.21				1	mg/l	lb/d				
v. Manganese, Total (7439-96-5)		X												
w. Tin, Total (7440-31-5)		X												
x. Titanium, Total (7440-32-6)		X												

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**PART C -** If you are a primary industry and this outfall contains process wastewater, refer to Table 2c-2 in the instructions to determine which of the GC/MS fractions you must test for. Mark "X" in column 3-a for all such GC/MS fractions that apply to your industry and for ALL toxic metals, cyanides, and total phenols. If you are not required to mark column 2-a (secondary industries, nonprocess wastewater outfalls, and nonrequired GC/MS fractions), mark "X" in column 2-b for each pollutant you know or have reason to believe is present. Mark "X" in column 2-c for each pollutant you believe is absent. If you mark column 2a for any pollutant, you must provide the results of at least one analysis for that pollutant. If you mark column 2b for any pollutant, you must provide the results of at least one analysis for that pollutant if you know or have reason to believe it will be discharged in concentrations of 10 ppb or greater. If you mark column 2b for acrolein, acrylonitrile, 2,4 dinitrophenol, or 2-methyl-4, 6 dinitrophenol, you must provide the results of at least one analysis for each of these pollutants which you know or have reason to believe that you discharge in concentrations of 100 ppb or greater. Otherwise, for pollutants for which you mark column 2b, you must either submit at least one analysis or briefly describe the reasons the pollutant is expected to be discharged. Note that there are 7 pages to this part; please review each carefully. Complete one table (all 7 pages) for each outfall. See instructions for additional details and requirements.

1. POLLUTANT AND CAS NO. (if available)	MARK "X"			3. EFFLUENT						4. UNITS		5. INTAKE (optional)			
	a. Test- ing Required	a. Be- lieved Present	b. Be- lieved Absent	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANALYSES	a. CONCEN- TRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANAL- YSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
<b>METALS, CYANIDE, AND TOTAL PHENOLS</b>															
1M. Antimony, Total (7440-36-0)	X		X	<0.060						1	mg/l				
2M. Arsenic, Total (7440-38-2)	X		X	<0.010						1	mg/l				
3M. Beryllium, Total (7440-41-7)	X		X	<0.005						1	mg/l				
4M. Cadmium, Total (7440-43-9)	X	X		0.0018	0.0003					1	mg/l	lb/d			
5M. Chromium, Total (7440-47-3)	X		X	<0.010						1	mg/l				
6M. Copper, Total (7440-50-8)	X		X	0.00840	0.001					1	mg/l	lb/d			
7M. Lead, Total (7439-92-1)	X		X	<0.003						1	mg/l				
8M. Mercury, Total (7439-97-6)	X		X	<0.0002						1	mg/l				
9M. Nickel, Total (7440-02-0)	X		X	<0.040						1	mg/l				
10M. Selenium, Total (7782-49-2)	X		X	<0.005						1	mg/l				
11M. Silver, Total (7440-22-4)	X		X	<0.002						1	mg/l				
12M. Thallium, Total (7440-28-0)	X		X	<0.010						1	mg/l				
13M. Zinc, Total (7440-66-6)	X	X		6.39	0.99					1	mg/l	lb/d			
14M. Cyanide, Total (57-12-5)	X		X	<0.010						1	mg/l				
15M. Phenols, Total	X		X	<0.005						1	mg/l				
<b>DIOXIN</b>															
2,3,7,8-Tetra- chlorodibenzo-P-Dioxin (1764-01-6)			X	(2 & 3 IN 2,3,7,8)											

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1. POLLUTANT AND CAS NO. (if available)	MARK 'X'			3. EFFLUENT						4. UNITS		5. INTAKE (optional)			
	a. Testing Required	b. Believed Present	c. Believed Absent	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANALYSES	e. CONCENTRATION	f. MASS	g. LONG TERM AVERAGE VALUE		h. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
GC/MS FRACTION - VOLATILE COMPOUNDS															
1V. Acrolein (107-02-8)	X		X	<0.020						1	mg/l				
2V. Acrylonitrile (107-13-1)	X		X	<0.020						1	mg/l				
3V. Benzene (71-43-2)	X		X	<0.005						1	mg/l				
4V. Bis (Chloromethyl) Ether (542-88-1)			X												
5V. Bromoform (75-25-2)	X		X	<0.005						1	mg/l				
6V. Carbon Tetrachloride (56-23-5)	X		X	<0.005						1	mg/l				
7V. Chlorobenzene (108-90-7)	X		X	<0.005						1	mg/l				
8V. Chlorodibromomethane (124-48-1)	X		X	<0.005						1	mg/l				
9V. Chloroethane (75-00-3)	X		X	<0.005						1	mg/l				
10V. 2-Chloroethylvinyl Ether (110-75-8)	X		X	<0.020						1	mg/l				
11V. Chloroform (67-66-3)	X		X	<0.005						1	mg/l				
12V. Dichlorobromomethane (75-27-4)	X		X	<0.005						1	mg/l				
13V. Dichlorodifluoromethane (75-71-8)			X												
14V. 1,1-Dichloroethane (75-34-3)	X		X	<0.005						1	mg/l				
15V. 1,2-Dichloroethane (107-06-2)	X		X	<0.005						1	mg/l				
16V. 1,1-Dichloroethylene (75-35-4)	X		X	<0.005						1	mg/l				
17V. 1,2-Dichloropropane (78-87-5)	X		X	<0.005						1	mg/l				
18V. 1,3-Dichloropropylene (542-75-6)	X		X	<0.005						2	mg/l				
19V. Ethylbenzene (100-41-4)	X		X	<0.005						1	mg/l				
20V. Methyl Bromide (74-83-9)	X		X	<0.005						1	mg/l				
21V. Methyl Chloride (74-87-3)	X		X	<0.005						1	mg/l				



1. POLLUTANT AND CAS NO. (if available)	MARK 'X'			3. EFFLUENT						4. UNITS		5. INTAKE (optional)			
	a. Testing Required	a. Believed Present	b. Believed Absent	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
GC/MS FRACTION - VOLATILE COMPOUNDS (continued)															
22V. Methylene Chloride (75-09-2)	X		X	<0.005						1	mg/l				
23V. 1,1,2,2-Tetrachloroethane (79-34-5)	X		X	<0.005						1	mg/l				
24V. Tetrachloromethylene (127-18-4)	X		X	<0.005						1	mg/l				
25V. Toluene (108-88-3)	X		X	<0.005						1	mg/l				
26V. 1,2-Trans-Dichloroethylene (156-60-5)	X		X	<0.005						1	mg/l				
27V. 1,1,1-Trichloroethane (71-55-6)	X		X	<0.005						1	mg/l				
28V. 1,1,2-Trichloroethane (79-00-5)	X		X	<0.005						1	mg/l				
29V. Trichloroethylene (79-01-6)	X		X	<0.005						1	mg/l				
30V. Trichloro-fluoromethane (75-69-4)			X												
31V. Vinyl Chloride (75-01-4)	X		X	<0.005						1	mg/l				
GC/MS FRACTION - ACID COMPOUNDS															
1A. 2-Chlorophenol (95-57-8)	X		X	<0.010						1	mg/l				
2A. 2,4-Dichlorophenol (120-83-2)	X		X	<0.010						1	mg/l				
3A. 2,4-Dimethylphenol (105-67-9)	X		X	<0.010						1	mg/l				
4A. 4,6-Dinitro-O-Cresol (534-52-1)	X		X	<0.025						1	mg/l				
5A. 2,4-Dinitrophenol (51-28-5)	X		X	<0.025						1	mg/l				
6A. 2-Nitrophenol (88-75-5)	X		X	<0.010						1	mg/l				
7A. 4-Nitrophenol (100-02-7)	X		X	<0.025						1	mg/l				
8A. P-Chloro-M-Cresol (59-50-7)	X		X	<0.010						1	mg/l				
9A. Pentachlorophenol (87-86-5)	X		X	<0.025						1	mg/l				
10A. Phenol (108-95-2)	X		X	<0.010						1	mg/l				
11A. 2,4,6-Trichlorophenol (88-06-2)	X		X	<0.010						1	mg/l				

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1. POLLUTANT AND CAS NO. (if available)	MARK 'X'			3. EFFLUENT						4. UNITS		5. INTAKE (optional)			
	a. Testing Required	b. Believed Present	c. Believed Absent	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
<b>GC/MS FRACTION - BASE/NEUTRAL COMPOUNDS</b>															
1B. Acenaphthene (83-32-9)	X		X	<0.010						1	mg/l				
2B. Acenaphthylene (208-96-8)	X		X	<0.010						1	mg/l				
3B. Anthracene (120-12-7)	X		X	<0.010						1	mg/l				
4B. Benzidine (92-87-5)	X		X	<0.030						1	mg/l				
5B. Benzo (a) Anthracene (56-55-3)	X		X	<0.010						1	mg/l				
6B. Benzo (a) Pyrene (50-32-8)	X		X	<0.010						1	mg/l				
7B. 3,4-Benzofluoranthene (205-99-2)	X		X	<0.010						1	mg/l				
8B. Benzo (ghi) Perylene (191-24-2)	X		X	<0.010						1	mg/l				
9B. Benzo (k) Fluoranthene (207-08-9)	X		X	<0.010						1	mg/l				
10B. Bis (2-Chloro-ethoxy) Methane (111-91-1)	X		X	<0.010						1	mg/l				
11B. Bis (2-Chloroethyl) Ether (111-44-4)	X		X	<0.010						1	mg/l				
12B. Bis (2-Chloroisopropyl) Ether (108-60-1)	X		X	<0.010						1	mg/l				
13B. Bis (2-Ethylhexyl) Phthalate (117-81-7)	X		X	<0.010						1	mg/l				
14B. 4-Bromo-phenyl Phenyl Ether (101-55-3)	X		X	<0.010						1	mg/l				
15B. Butyl Benzyl Phthalate (85-68-7)	X		X	<0.010						1	mg/l				
16B. 2-Chloro-naphthalene (91-58-7)	X		X	<0.010						1	mg/l				
17B. 4-Chloro-phenyl Phenyl Ether (7005-72-3)	X		X	<0.010						1	mg/l				
18B. Chrysene (218-01-9)	X		X	<0.010						1	mg/l				
19B. Dibenzo (a,h) Anthracene (53-70-3)	X		X	<0.010						1	mg/l				
20B. 1,2-Dichlorobenzene (95-50-1)	X		X	<0.010						1	mg/l				
21B. 1,3-Dichlorobenzene (541-73-1)	X		X	<0.010						1	mg/l				

1. POLLUTANT AND CAS NO. (if available)	MARK 'X'			3. EFFLUENT						4. UNITS		5. INTAKE (optional)			
	a. Testing Required	b. Believed Present	c. Believed Absent	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANALYSES	e. CONCENTRATION	f. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
GC/MS FRACTION - BASE/NEUTRAL COMPOUNDS (continued)															
22B. 1,4-Dichlorobenzene (106-46-7)	X		X	<0.010						1	mg/l				
23B. 3,3'-Dichlorobenzidine (91-94-1)	X		X	<0.020						1	mg/l				
24B. Diethyl Phthalate (84-66-2)	X		X	<0.010						1	mg/l				
25B. Dimethyl Phthalate (131-11-3)	X		X	<0.010						1	mg/l				
26B. Di-N-Butyl Phthalate (84-74-2)	X		X	<0.010						1	mg/l				
27B. 2,4-Dinitrotoluene (121-14-2)	X		X	<0.010						1	mg/l				
28B. 2,6-Dinitrotoluene (606-20-2)	X		X	<0.010						1	mg/l				
29B. Di-N-Octyl Phthalate (117-84-0)	X		X	<0.010						1	mg/l				
30B. 1,2-Diphenylhydrazine (as Azobenzene) (122-66-7)	X		X	<0.010						1	mg/l				
31B. Fluoranthene (206-44-0)	X		X	<0.010						1	mg/l				
32B. Fluorene (86-73-7)	X		X	<0.010						1	mg/l				
33B. Hexachlorobenzene (118-74-1)	X		X	<0.010						1	mg/l				
34B. Hexachlorobutadiene (87-68-3)	X		X	<0.010						1	mg/l				
35B. Hexachlorocyclopentadiene (77-47-4)	X		X	<0.010						1	mg/l				
36B. Hexachloroethane (67-72-1)	X		X	<0.010						1	mg/l				
37B. Ideno (1,2,3-rd) Pyrene (193-39-5)	X		X	<0.010						1	mg/l				
38B. Isophorone (78-59-1)	X		X	<0.010						1	mg/l				
39B. Naphthalene (91-20-3)	X		X	<0.010						1	mg/l				
40B. Nitrobenzene (98-95-3)	X		X	<0.010						1	mg/l				
41B. N-Nitrosodimethylamine (62-75-9)	X		X	<0.010						1	mg/l				
42B. N-Nitrosodipropylamine (621-64-7)	X		X	<0.010						1	mg/l				

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	a. Testing Required	b. Believed Present	c. Believed Absent	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
<b>GC/MS FRACTION - BASE/NEUTRAL COMPOUNDS (Continued)</b>															
43B. N-Nitroandiphenylamine (86-30-6)	X		X	<0.010						1	mg/l				
44B. Phenanthrene (85-01-8)	X		X	<0.010						1	mg/l				
45B. Pyrene (129-00-0)	X		X	<0.010						1	mg/l				
46B. 1,2,4-Tri-chlorobenzene (120-82-1)	X		X	<0.010						1	mg/l				
<b>GC/MS FRACTION - PESTICIDES</b>															
1P. Aldrin (309-00-2)			X												
2P. α-BHC (319-84-6)			X												
3P. β-BHC (319-85-7)			X												
4P. γ-BHC (58-89-9)			X												
5P. δ-BHC (319-86-8)			X												
6P. Chlordane (57-74-9)			X												
7P. 4,4'-DDT (50-29-3)			X												
8P. 4,4'-DDE (72-55-9)			X												
9P. 4,4'-DDD (72-54-8)			X												
10P. Dieldrin (60-57-1)			X												
11P. α-Endosulfan (1115-29-7)			X												
12P. β-Endosulfan (1115-29-7)			X												
13P. Endosulfan Sulfate (1031-07-8)			X												
14P. Endrin (72-20-8)			X												
15P. Endrin Aldehyde (7421-93-4)			X												
16P. Heptachlor (76-44-8)			X												

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	a. Testing Required	a. Believed Present	b. Believed Absent	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
<b>GC/MS FRACTION - PESTICIDES (continued)</b>															
17P. Heptachlor Epoxide (1024-57-3)			X												
18P. PCB-1242 (53469-21-9)			X												
19P. PCB-1254 (11097-69-1)			X												
20P. PCB-1221 (11104-28-2)			X												
21P. PCB-1232 (11141-16-5)			X												
22P. PCB-1248 (12672-29-6)			X												
23P. PCB-1260 (11096-82-5)			X												
24P. PCB-1016 (12674-11-2)			X												
25P. Toxaphene (8001-35-2)			X												

PLEASE PRINT OR TYPE IN THE UNSHADED AREAS ONLY. You may report some or all of this information on separate sheets (use the same format) instead of completing these pages. SEE INSTRUCTIONS

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V. INTAKE AND EFFLUENT CHARACTERISTICS (continued from page 3 of Form 2-C) Outfall No. 901

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

1. POLLUTANT	2. EFFLUENT						3. UNITS (specify if blank)		4. INTAKE (optional)			
	a. MAXIMUM DAILY VALUE (if available)		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO OF ANALYSES
	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
a. Biochemical Oxygen Demand (BOD)												
b. Chemical Oxygen Demand (COD)												
c. Total Organic Carbon (TOC)												
d. Total Suspended Solids (TSS)	0.0						3	mg/l				
e. Arsenic (as As)												
f. Flow	0.0243		0.0243		0.0201		3		MGD	N/A		
g. Temperature (winter)	N/A		N/A		N/A				°C	N/A		
h. Temperature (summer)	N/A		N/A		N/A				°C			
i. pH	MINIMUM 8.11	MAXIMUM 8.89	MINIMUM N/A	MAXIMUM N/A			6		STANDARD UNITS			

PART B - Mark "X" in column 2-a for each pollutant you know or have reason to believe is present. Mark "X" in column 2-b for each pollutant you believe to be absent. If you mark column 2a for any pollutant which is limited either directly, or indirectly but expressly, in an effluent limitations guideline, you must provide the results of at least one analysis for that pollutant. For other pollutants for which you mark column 2a, you must provide quantitative data or an explanation of their presence in your discharge. Complete one table for each outfall. See the instructions for additional details and requirements.

1. POLLUTANT AND CAS NO. (if available)	MARK 'X'		3. EFFLUENT						4. UNITS		5. INTAKE			
	a. Believed Present	b. Believed Absent	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
			(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
a. Bromide (24959-67-9)		X												
b. Chlorine Total Residual		X												
c. Color	X													
d. Fecal Coliform		X												
e. Fluoride (16984-48-8)		X												
f. Nitrate-Nitrite (as N)	X													

ITEM V-B CONTINUED FROM FRONT  
CONTINUED FROM PAGE V-1

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1. POLLUTANT AND CAS NO. (if available)	MARK "X"		3. EFFLUENT						4. UNITS		5. INTAKE			
	a. Be- lieved Present	h. Be- lieved Absent	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANALYSES	a. CONCEN- TRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
			(1) CONCENTRATION	(2) MASS	(1) CONCEN- TRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
g. Nitrogen, Total Organic (as N)	X													
h. Oil and Grease	X		0.0						3	mg/l				
i. Phosphorus (as P), Total (7723-14-0)	X													
j. Radioactivity	X													
(1) Alpha, Total		X												
(2) Beta, Total	X													
(3) Radium, Total		X												
(4) Radium 226, Total		X												
k. Sulfate (as SO <sub>4</sub> ) (14808-798)	X													
l. Sulfide (as S)	X													
m. Sulfite (as SO <sub>3</sub> ) (14265-45-3)	X													
n. Surfactants		X												
o. Aluminum, Total (7429-90-5)		X												
p. Barium, Total (7440-39-3)		X												
q. Boron, Total (7440-42-8)		X												
r. Cobalt, Total (7440-48-4)		X												
s. Iron, Total (7439-89-6)	X		0.197	0.033					3	mg/l	lb/d			
t. Magnesium, Total (7439-95-4)		X												
u. Molybdenum, Total (7439-98-7)		X												
v. Manganese, Total (7439-96-5)		X												
w. Tin, Total (7440-31-5)		X												
x. Titanium, Total (7440-32-6)		X												

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**PART C -** If you are a primary industry and this outfall contains process wastewater, refer to Table 2c-2 in the instructions to determine which of the GC/MS fractions you must test for. Mark "X" in column 2-a for all such GC/MS fractions that apply to your industry and for ALL toxic metals, cyanides, and total phenols. If you are not required to mark column 2-a (secondary industries, nonprocess wastewater outfalls, and nonrequired GC/MS fractions), mark "X" in column 2-b for each pollutant you know or have reason to believe is present. Mark "X" in column 2-c for each pollutant you believe is absent. If you mark column 2a for any pollutant, you must provide the results of at least one analysis for that pollutant. If you mark column 2b for any pollutant, you must provide the results of at least one analysis for that pollutant if you know or have reason to believe it will be discharged in concentrations of 10 ppb or greater. If you mark column 2b for acrolein, acrylonitrile, 2,4 dinitrophenol, or 2-methyl-4, 6 dinitrophenol, you must provide the results of at least one analysis for each of these pollutants which you know or have reason to believe that you discharge in concentrations of 100 ppb or greater. Otherwise, for pollutants for which you mark column 2b, you must either submit at least one analysis or briefly describe the reasons the pollutant is expected to be discharged. Note that there are 7 pages to this part; please review each carefully. Complete one table (all 7 pages) for each outfall. See instructions for additional details and requirements.

1. POLLUTANT AND CAS NO. (if available)	MARK 'X'			3. EFFLUENT						4. UNITS		5. INTAKE (optional)			
	a. Test- ing Required	b. Be- lieved Present	c. Be- lieved Absent	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANALYSES	a. CONCEN- TRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
<b>METALS, CYANIDE, AND TOTAL PHENOLS</b>															
1M. Antimony, Total (7440-36-0)	X		X												
2M. Arsenic, Total (7440-38-2)	X		X												
3M. Beryllium, Total (7440-41-7)	X		X												
4M. Cadmium, Total (7440-43-0)	X		X												
5M. Chromium, Total (7440-47-3)	X		X												
6M. Copper, Total (7440-50-8)	X	X		0.10	0.017					3	mg/l	lb/d			
7M. Lead, Total (7439-92-1)	X		X												
8M. Mercury, Total (7439-97-6)	X		X												
9M. Nickel, Total (7440-02-0)	X		X												
10M. Selenium, Total (7782-49-2)	X		X												
11M. Silver, Total (7440-22-4)	X		X												
12M. Thallium, Total (7440-28-0)	X		X												
13M. Zinc, Total (7440-66-6)	X		X												
14M. Cyanide, Total (57-12-5)	X		X												
15M. Phenols, Total	X		X												
<b>DIOXIN</b>															
2,3,7,8-Tetra-chlorodibenzo-P-Dioxin (1764-01-6)			X												



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1. POLLUTANT AND CAS NO. (If available)	MARK 'X'			3. EFFLUENT						4. UNITS		5. INTAKE (optional)			
	a. Testing Required	a. Believed Present	b. Believed Absent	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (If available)		c. LONG TERM AVRG. VALUE (If available)		d. NO. OF ANALYSES	a. CONCEN- TRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
GC/MS FRACTION - VOLATILE COMPOUNDS															
1V. Acrolein (107-02-8)	X		X												
2V. Acrylonitrile (107-13-1)	X		X												
3V. Benzene (71-43-2)	X		X												
4V. Bis (Chloromethyl) Ether (542-88-1)			X												
5V. Bromoform (75-25-2)	X		X												
6V. Carbon Tetrachloride (56-23-5)	X		X												
7V. Chlorobenzene (108-90-7)	X		X												
8V. Chlorodibromomethane (124-48-1)	X		X												
9V. Chloroethane (75-00-3)	X		X												
10V. 2-Chloro-ethyl Vinyl Ether (110-73-8)	X		X												
11V. Chloroform (67-66-3)	X		X												
12V. Dichlorobromomethane (75-27-4)	X		X												
13V. Dichlorodifluoromethane (75-71-8)			X												
14V. 1,1-Dichloroethane (75-34-3)	X		X												
15V. 1,2-Dichloroethane (107-06-2)	X		X												
16V. 1,1-Dichloroethylene (75-35-4)	X		X												
17V. 1,2-Dichloropropane (78-87-5)	X		X												
18V. 1,3-Dichloropropylene (542-75-6)	X		X												
19V. Ethylbenzene (100-41-4)	X		X												
20V. Methyl Bromide (74-83-9)	X		X												
21V. Methyl Chloride (74-87-3)	X		X												

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1. POLLUTANT AND CAS NO. (if available)	MARK 'X'			3. EFFLUENT						4. UNITS		5. INTAKE (optional)			
	a. Testing Required	b. Believed Present	c. Believed Absent	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
<b>GC/MS FRACTION - VOLATILE COMPOUNDS (continued)</b>															
22V. Methylene Chloride (75-09-2)	X		X												
23V. 1,1,2,2-Tetrachloroethane (79-34-5)	X		X												
24V. Tetrachloroethylene (127-18-4)	X		X												
25V. Toluene (108-88-3)	X		X												
26V. 1,2-Trans-Dichloroethylene (156-60-5)	X		X												
27V. 1,1,1-Trichloroethane (71-55-6)	X		X												
28V. 1,1,2-Trichloroethane (79-00-5)	X		X												
29V. Trichloroethylene (79-01-6)	X		X												
30V. Trichloro-fluoromethane (75-69-4)			X												
31V. Vinyl Chloride (75-01-4)	X		X												
<b>GC/MS FRACTION - ACID COMPOUNDS</b>															
1A. 2-Chlorophenol (95-57-8)	X		X												
2A. 2,4-Dichlorophenol (120-83-2)	X		X												
3A. 2,4-Dimethylphenol (105-67-9)	X		X												
4A. 4,6-Dinitro-O-Cresol (534-52-1)	X		X												
5A. 2,4-Dinitrophenol (51-28-5)	X		X												
6A. 2-Nitrophenol (88-75-5)	X		X												
7A. 4-Nitrophenol (100-02-7)	X		X												
8A. P-Chloro-M-Cresol (59-50-7)	X		X												
9A. Pentachlorophenol (87-86-5)	X		X												
10A. Phenol (108-95-2)	X		X												
11A. 2,4,6-Trichlorophenol (88-06-2)	X		X												

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1. POLLUTANT AND CAS NO. (if available)	MARK 'X'			3. EFFLUENT						4. UNITS		5. INTAKE (optional)			
	a. Test- ing Required	b. Be- lieved Present	c. Be- lieved Absent	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANAL- YSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANAL- YSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
<b>GC/MS FRACTION - BASE/NEUTRAL COMPOUNDS</b>															
1B. Acenaphthene (83-32-9)	X		X												
2B. Acenaphthylene (208-96-8)	X		X												
3B. Anthracene (120-12-7)	X		X												
4B. Benzidine (92-87-5)	X		X												
5B. Benzo (a) Anthracene (56-55-3)	X		X												
6B. Benzo (a) Pyrene (50-32-8)	X		X												
7B. 3,4-Benzofluoranthene (205-99-2)	X		X												
8B. Benzo (ghi) Perylene (191-24-2)	X		X												
9B. Benzo (k) Fluoranthene (207-08-9)	X		X												
10B. Bis (2-Chloro-ethyl) Methane (111-91-1)	X		X												
11B. Bis (2-Chloroethyl) Ether (111-44-4)	X		X												
12B. Bis (2-Chloroisopropyl) Ether (108-60-1)	X		X												
13B. Bis (2-Ethylhexyl) Phthalate (117-81-7)	X		X												
14B. 4-Bromo-phenyl Phenyl Ether (101-55-3)	X		X												
15B. Butyl Benzyl Phthalate (85-68-7)	X		X												
16B. 2-Chloro-naphthalene (91-58-7)	X		X												
17B. 4-Chloro-phenyl Phenyl Ether (7005-72-3)	X		X												
18B. Chrysene (218-01-9)	X		X												
19B. Dibenzo (a,h) Anthracene (53-70-3)	X		X												
20B. 1,2-Dichlorobenzene (95-50-1)	X		X												
21B. 1,3-Dichlorobenzene (541-73-1)	X		X												

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OUTFALL NUMBER 901

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Approval Expires 7-31-88

1. POLLUTANT AND CAS NO. (if available)	MARK 'X'			3. EFFLUENT						4. UNITS		5. INTAKE (optional)			
	a. Testing Required	b. Believed Present	c. Believed Absent	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
<b>GC/MS FRACTION - BASE/NEUTRAL COMPOUNDS (continued)</b>															
22B. 1,4-Dichlorobenzene (106-46-7)	X		X												
23B. 3,3'-Dichlorobenzidine (91-94-1)	X		X												
24B. Diethyl Phthalate (84-66-2)	X		X												
25B. Dimethyl Phthalate (131-11-3)	X		X												
26B. Di-N-Hexyl Phthalate (84-74-2)	X		X												
27B. 2,4-Dinitrotoluene (121-14-2)	X		X												
28B. 2,6-Dinitrotoluene (606-20-2)	X		X												
29B. Di-N-Octyl Phthalate (117-84-0)	X		X												
30B. 1,2-Diphenylhydrazine (as Azo-benzene) (122-66-7)	X		X												
31B. Fluoranthene (206-44-0)	X		X												
32B. Fluorene (86-73-7)	X		X												
33B. Hexachlorobenzene (118-74-1)	X		X												
34B. Hexachlorobutadiene (87-68-3)	X		X												
35B. Hexachlorocyclopentadiene (77-47-4)	X		X												
36B. Hexachloroethane (67-72-1)	X		X												
37B. Ideno (1,2,3-cd) Pyrene (193-39-5)	X		X												
38B. Isophorone (78-59-1)	X		X												
39B. Naphthalene (91-20-3)	X		X												
40B. Nitrobenzene (98-95-3)	X		X												
41B. N-Nitrosodimethylamine (62-75-9)	X		X												
42B. N-Nitrosodipropylamine (621-64-7)	X		X												

EPA I.D. NUMBER (copy from Item 1 of Form 1) LA0007374

OUTFALL NUMBER 901

OMB No. 2040-0086  
Approval Expires 7-31-88

1. POLLUTANT AND CAS NO. (if available)	MARK 'X'			3. EFFLUENT						4. UNITS		5. INTAKE (optional)			
	a. Testing Required	b. Believed Present	c. Believed Absent	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
<b>GC/MS FRACTION - BASE/NEUTRAL COMPOUNDS (Continued)</b>															
43B. N-Nitrosodiphenylamine (86-30-6)	X		X												
44B. Phenanthrene (85-01-8)	X		X												
45B. Pyrene (129-00-0)	X		X												
46B. 1,2,4-Trichlorobenzene (120-82-1)	X		X												
<b>GC/MS FRACTION - PESTICIDES</b>															
1P. Aldrin (309-00-2)			X												
2P. α-BHC (319-84-6)			X												
3P. β-BHC (319-85-7)			X												
4P. γ-BHC (58-89-9)			X												
5P. δ-BHC (319-86-8)			X												
6P. Chlordane (57-74-9)			X												
7P. 4,4'-DDT (50-29-3)			X												
8P. 4,4'-DDE (72-55-9)			X												
9P. 4,4'-DDD (72-54-8)			X												
10P. Dieldrin (60-57-1)			X												
11P. α-Endosulfan (115-29-7)			X												
12P. β-Endosulfan (115-29-7)			X												
13P. Endosulfan Sulfate (1031-07-8)			X												
14P. Endrin (72-20-8)			X												
15P. Endrin Aldehyde (7421-93-4)			X												
16P. Heptachlor (76-44-8)			X												

EPA I.D. NUMBER (copy from Item 1 of Form 1) LA0007374

OUTFALL NUMBER 901

OMB No. 2040-0086  
Approval Expires 7-31-88

1. POLLUTANT AND CAS NO. (if available)	MARK 'X'			3. EFFLUENT								4. UNITS		5. INTAKE (optional)	
	a. Testing Required	a. Believed Present	b. Believed Absent	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANALYSES	e. CONCENTRATION	f. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
<b>GC/MS FRACTION - PESTICIDES (continued)</b>															
17P. Heptachlor Epoxide (1024-57-3)			X												
18P. PCB-1242 (53469-21-9)			X												
19P. PCB-1254 (11097-69-1)			X												
20P. PCB-1221 (11104-28-2)			X												
21P. PCB-1232 (11141-16-5)			X												
22P. PCB-1248 (12672-29-6)			X												
23P. PCB-1260 (11096-82-5)			X												
24P. PCB-1016 (12674-11-2)			X												
25P. Toxaphene (8001-35-2)			X												

Appendix C  
(EPA Form 2F)

Please print or type in the unshaded areas only

EPA ID Number (copy from Item 1 of Form 1)  
LA0007374

Form <b>2F</b> NPDES	<b>EPA</b> United States Environmental Protection Agency Washington, DC 20460 <b>Application for Permit to Discharge Stormwater                  Discharges Associated with Industrial Activity</b>
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**Paperwork Reduction Act Notice**

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

**I. Outfall Location**

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

A. Outfall Number (#st)	B. Latitude			C. Longitude			D. Receiving Water (name)
004	29	59	19	90	28	25	Lac Des Allemands via 40 Arpent Canal

**II. Improvements**

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

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

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

**III. Site Drainage Map**

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



**IV. Narrative Description of Pollutant Sources**

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

Outfall Number	Area of Impervious Surface (provide units)	Total Area Drained (provide units)	Outfall Number	Area of Impervious Surface (provide units)	Total Area Drained (provide units)
004	~ 60 Acres	184 Acres			

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

→ See Section 4.0 of Plant Narrative ←

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

Outfall Number	Treatment	List Codes from Table 2F-1
004	→ See Section 4.0 of Plant Narrative ←	1U

**V. Nonstormwater Discharges**

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

Name and Official Title (type or print)	Signature	Date Signed
Joseph E. Venable, Vice President - Operations		

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

Engineering design and best professional judgment was utilized to determine that all non-stormwater discharges are identified on the accompanying EPA Form 2C for Outfall 004. In summary, Outfall 004 receives stormwater runoff, Mississippi River surface water, reverse osmosis reject water, demineralized water, fire water system (potable water), air conditioning condensate, and other low volume wastewaters as defined in 40CFR423.

**VI. Significant Leaks or Spills**

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

→ No significant leaks or spills of toxic or hazardous pollutants have occurred at the facility within the past three years. ←

EPA ID Number (copy from Item 1 of Form 1)  
**LA0007374**

**VII. Discharge Information**

A, B, C, & D: See instructions before proceeding. Complete one set of tables for each outfall. Annotate the outfall number in the space provided. Tables VII-A, VII-B, and VII-C are included on separate sheets numbered VII-1 and VII-2.

E. Potential discharges not covered by analysis - is any pollutant listed in Table 2F-2, 2F-3, or 2F-4 a substance or a component of a substance which you currently use or manufacture as an intermediate or final product or byproduct?

Yes (list all such pollutants below)  No (go to Section IX)

**VIII. Biological Toxicity Testing Data**

Do you have any knowledge or reason to believe that any biological test for acute or chronic toxicity has been made on any of your discharges or on a receiving water in relation to your discharge within the last 3 years?

Yes (list all such pollutants below)  No (go to Section IX)

→ See Section 4.0 of Plant Narrative ←

**IX. Contract Analysis Information**

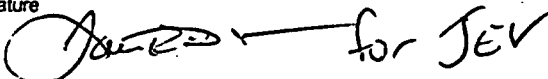
Were any of the analyses reported in Item VII performed by a contract laboratory or consulting firm?

Yes (list the name, address and telephone number of, and pollutants analyzed by, each such laboratory or firm below)  No (go to Section IX)

A. Name	B. Address	C. Area Code & Phone No.	D. Pollutants Analyzed
Pace Analytical Services, Inc.	1000 Riverbend Blvd, Suite St. Rose, LA 70087	(504) 469-0333	All except those below
Analysis Laboratories, Inc.	2932 Lime Street (P. O. Box 8666) Metairie, LA 70011	(504) 889-0710	Surfactants, Color, Sulfite & BOD

**X. Certification**

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

A. Name & Official Title (print or type) Joseph E. Venable, Vice President - Operations	B. Area Code and Phone No. (504) 739-6660
C. Signature  for JEV	D. Date Signed 1/20/04

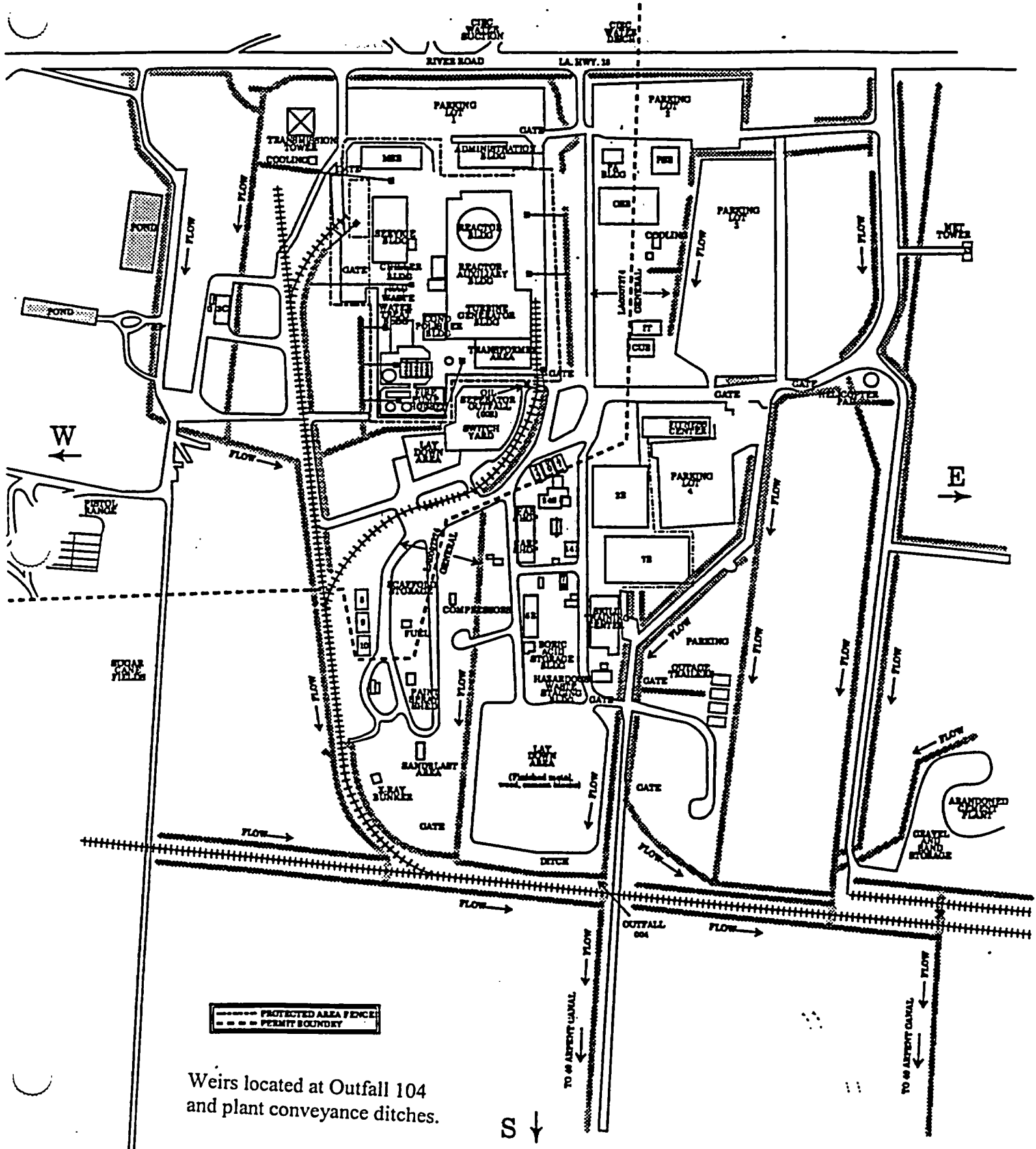




# PLANT SITE DRAINAGE

MISSISSIPPI RIVER

N ↑



--- PROTECTED AREA FENCE  
- - - PERMIT BOUNDARY

Weirs located at Outfall 104 and plant conveyance ditches.

S ↓

Appendix D  
(Environmental Impact Questions)

## Environmental Impact Questions

### Section IV of LDEQ Form SCC-2

Pursuant to the requirements of the Louisiana Water Quality Regulations in the Louisiana Administrative Code (LAC) at LAC 33:IX.303.F.1-5 (i.e., Environmental Impact Questions), Waterford 3 provides the following responses.

- A. Have the potential and real adverse environmental effects of the proposed facility been avoided to the maximum extent possible?

**Yes.** The Waterford 3 Steam Electric Station is an existing facility that has been in operation since 1985. During the licensing process of the facility, Entergy and the Nuclear Regulatory Commission assessed the environmental impacts from the operation of Waterford 3 prior to start-up. These results are published in NUREG-0779, Final Environmental Statement Related to the Operation of Waterford Steam Electric Station, Unit No. 3 (September 1981). Based on this assessment, potential and real adverse environmental effects of the facility have been avoided to the maximum extent possible.

---

- B. Does a cost benefit analysis of the environmental impact costs balanced against the social and economic benefits of the proposed facility demonstrate that the latter outweigh the former?

**Yes.** The Waterford 3 Steam Electric Station is an existing facility and no measurable adverse environmental effects have been demonstrated as published in NUREG-0779 and are not anticipated from continued operation of the facility. Therefore, no cost-specific analysis is warranted. However, it is obvious that social and economic benefits outweigh the environmental impact costs since no adverse environmental impacts are demonstrated or anticipated.

---

- C. Are there alternative projects that would offer more protection to the environment than the proposed facility without unduly curtailing non-environmental benefits?

**No.** The present facility is designed and operated in accordance with a level of technology necessary to comply with and exceed the applicable effluent guidelines and other environmental standards that apply to the site. Because the effluent quality resulting from the present treatment levels at the plant is within the established criteria for discharge, no alternatives to the present system are necessary.

---

D. Are there alternative sites that would offer more protection to the environment than the proposed facility site without unduly curtailing non-environmental benefits?

No. The Waterford 3 Steam Electric Station is an existing facility that discharges wastewater to the Mississippi River and 40 Arpent Canal. As no real environmental impacts have resulted or have been demonstrated or are anticipated to result, no alternative discharge locations are considered economically feasible or necessary.

---

E. Are there mitigating measures that would offer more protection to the environment than the facility as proposed without unduly curtailing non-environmental benefits?

No. No measurable adverse environmental impacts have resulted from existing wastewater discharges and none are anticipated. Therefore, no additional mitigation measures are deemed necessary. Should discharge criteria be re-defined in the future, appropriate environmental controls and treatment measures would be implemented to meet the revised criteria as necessary.

---




## SIGNATORY AND AUTHORIZATION

Pursuant to the Water Quality Regulations (specifically LAC 33:IX.2333.A and B) which became effective October 20, 1995, the state permit application must be signed by a responsible individual as described in LAC 33:IX.2333.A and B and that person shall make the following certification:

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment for knowing violations."

The applicant for this permit hereby authorizes the Department of Environmental Quality to publish the public notice for a draft permit once in the appropriate newspaper(s). In accordance with LAC 33:IX.2781.A, the applicant agrees to be responsible for the cost of publication. The newspaper(s) is authorized to invoice the applicant directly.

Signature  for JEV

Printed Name Joseph E. Venable

Title Vice President, Operations

Date 1/20/04

Telephone (504) 739-6660

Appendix E  
(Addendum per LAC 33:1,170001)

# LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

## Addendum to Permit Applications per LAC 33:I.1701

### Introduction

This Addendum to Permit Applications provides information to the Permits Division which is used to comply with the requirements of LAC 33:I.1701 – Requirements for Obtaining a Permit. Authority to ask for this information is contained in the Louisiana Administrative Code, Title 33. Copies of this law are available from the Regulation Development Section of the Office of Environmental Assessment, or on the Internet at:

<http://www.deq.state.la.us/planning/regs/title33/index.htm>

### Who Should Submit an Addendum to Permit Applications?

The Addendum to Permit Applications should be submitted for any permit application submitted for a new source and for all permit actions, including renewals and changes of ownership. Air permit modification requests are exempt from this requirement unless they include, or are limited to, a change of ownership.

### What If I Previously Sent an Addendum to Permit Applications to DEQ?

You must submit this addendum with each permit application, as stated above. It is acceptable to submit a copy of a previously submitted form, if the original signature date is not more than twelve months old. Indicate the original submittal date and the permit number for which it was previously submitted. Please review the information to ensure that it is still correct.

### What You Should Submit and What You Should Keep

Route the original and two photocopies to this agency. For Part 70 Air Permit applications, a copy should be submitted directly to EPA's Dallas office -- EPA Region 6 (6PD-R), 1445 Ross Avenue, Suite. 1200, Dallas TX 75202-2733.

### Acceptable Answers

"NA" is not an acceptable answer. If a particular section does not apply to you, explain why. Please attach additional sheets for the required information.

### General

Do not write information in the top or left side margin of this form as file folder bindings may cover the information.

### Step-by-Step Instructions

#### 1 Media Type

Indicate whether this is for a Solid Waste, Air, Water, Hazardous Waste or Radiation Licensing application.

#### 2 Agency Interest Number

If blank, type or print the Agency Interest Number in the space provided at the top of each page (if known); otherwise, leave blank.

#### 3 Indicate if Copy of Previously Submitted Form

Indicate whether or not this is a copy of a previously submitted form. If yes, indicate the original submittal date and the permit number for which it was previously submitted. You may not submit a copy which has an original signature date that is more than twelve months old.

#### 4 Company Name, Parent Company, Plant Name and Location

If blank, type or print the name of the company, the name of its parent, the name of the plant, if any, the parish where the plant is located, and the closest town in the same parish as the facility. Check the appropriate box to indicate if the permittee is the owner or operator of the facility.

#### 5 List of States With Similar Actions

Please provide a list of the states where you, as applicant, have federal or state environmental permits identical to, or of a similar nature to, the permit for which you are applying.

#### 6 Outstanding Fees

Do you owe any outstanding fees or final penalties to the Department? If so, please explain.

#### 7 Registration with Secretary of State

If your company is a corporation or a limited liability company, please provide proof of registration with the Secretary of State.

#### 8 Responsible Official

Enter the name, address, and phone number of the responsible company official. Part 70 sources must meet the requirements of LAC 33.III.502 regarding the Responsible Official.

#### 9 Certification by Responsible Official


An authorized company agent should sign and date the form confirming its accuracy and completeness.

Media Type (check one)

Agency Interest Number: 35260

Hazardous Waste  Air   
Solid Waste  Water   
Radiation Licensing

Is this a copy of a previously submitted form? Yes  No   
If yes, indicate the original submittal date: \_\_\_\_\_  
If yes, indicate the original permit number: \_\_\_\_\_

Department of Environmental Quality Permits Division P.O. Box 82135 Baton Rouge, LA 70884-2135 (225) 765-0219		<b>Addendum to Permit Applications</b> per <b>LAC 33:I.1701</b>				
Please Type Or Print	Company Name <b>Entergy Operations, Inc.</b>		<input type="checkbox"/> Owner <input checked="" type="checkbox"/> Operator		For Permits Division Use Only	
	Parent Company (if Company Name given above is a division) <b>Entergy</b>					
	Plant name (if any) <b>Waterford 3 Steam Electric Station</b>					
	Nearest town <b>Killona</b>		Parish where located <b>St. Charles</b>			

Use attachments to provide the required information. "NA" is not an acceptable answer. If a particular section does not apply to you, explain why.

- Please provide a list of the states where you, as applicant\*, have federal or state environmental permits identical to, or of a similar nature to, the permit for which you are applying. **Arkansas, Mississippi, Massachusetts, New York & Vermont.**

\*This requirement applies to all individuals, partnerships, corporations, or other entities who own a controlling interest of 50% or more in your company, or who participate in the environmental management of the facility for an entity applying for the permit or an ownership interest in the permit.

- Do you owe any outstanding fees or final penalties to the Department? No  Yes  If yes, please explain.
- Is your company a corporation or limited liability company? No  Yes  If yes, attach a copy of your company's Certificate of Registration and/or Certificate of Good Standing from the Secretary of State.

**Certification:**

I certify, under provisions in Louisiana and United States law which provide criminal penalties for false statements, that based on information and belief formed after reasonable inquiry, the statements and information contained in this Addendum to the Permit Application, including all attachments thereto are true, accurate, and complete.

**Responsible Official**

Name	Joseph E. Venable
Title	Vice President, W3 Operations
Company	Entergy Operations, Inc.
Suite, mail drop, or division	W-GSB-300
Street or P.O. Box	17265 River Road

City	State	Zip
Killona	LA	70057
Business phone		
(504) 739-6660		
Signature of responsible official(s)		
<i>Signature of JEV</i>		
Date		
1/20/04		

The Department may require the submission of additional information if it deems such information necessary.

June 19, 2001

## **Corporation Certificate of Registration**

Copies of the Entergy Operations, Inc. certificate of registration and related information are provided.

Four pages are included.

ALFRED GREEN, PRESIDENT  
WAYNE T. ROUSSEL, VICE-PRESIDENT

DR. THOMAS S. TOCCO, SUPERINTENDENT

## St. Charles Parish Public Schools

P.O. BOX 46  
LULING, LOUISIANA 70076



### MEMBERS

ALFRED GREEN, HANRYVILLE, LA.  
MARY S. BENDERSON, LULING, LA.  
WAYNE T. ROUSSEL, DESTRIHAN, LA.  
CLARENCE H. SAVOIE, PARADISE, LA.  
JOHN L. SMITH, ST. ROSE, LA.  
RONALD J. ST. PIERRE, NORCO, LA.  
MICHAEL K. HENDERSON, BOUTTE, LA.

August 29, 1990

Entergy Operations, Inc.  
P. O. Box B  
Killona, LA 70066

We understand that in the operation of your business you purchase certain goods, wares, merchandise, materials, equipment and supplies and place them in storerooms, warehouses, etc., in places other than in the Parish of St. Charles. Some portions of said items are moved into the Parish of St. Charles and used by your company therein. In other instances, said items are received and stored in the Parish of St. Charles, some of which are used in the Parish of St. Charles and some of which are shipped to other places outside the Parish of St. Charles.

Considering portions of tax ordinances passed by the St. Charles Parish School Board which became effective on September 1, 1965 and July 1, 1978, as well as tax ordinances passed by the St. Charles Parish Police Jury and its successor, the St. Charles Parish Council which became effective on June 1, 1979, March 1, 1980, June 1, 1983 and September 1, 1988, appropriate to facilitating the operation of your business, this letter is to authorize all your vendors to sell to you free and exempt of St. Charles Parish Sales and Use Tax on all sales of items shipped or delivered to points in the Parish of St. Charles. It is understood that you will make monthly reports on all items used in the Parish of St. Charles, paying 4% Use Tax monthly to the Treasurer of the School Board of the Parish of St. Charles on all such items so used, whether received directly from vendors or from storerooms, warehouses, etc., in places outside the Parish of St. Charles.

We attach hereto a sample of exemption certificate to be furnished to your vendors. You should also duplicate this letter, or an extract thereof which pertains to your tax free purchases and furnish it to your vendors along with your Exemption Certificate.

Very truly yours,

A handwritten signature in cursive script that reads "E. H. Flynn".

E. H. Flynn  
Director of Tax Collections

THIS CERTIFICATE MUST BE PUBLICLY DISPLAYED AS PROVIDED BY LAW

**ST. CHARLES PARISH SCHOOL BOARD**

**SALES AND USE TAX DEPARTMENT**

**REGISTRATION CERTIFICATE  
ST. CHARLES PARISH**

**TAXPAYER'S NUMBER  
17-10881**

**ENTERGY OPERATIONS, INC. (LP&L)**

**NAME OF BUSINESS:** \_\_\_\_\_

**PO BOX 31995**

**ADDRESS:** \_\_\_\_\_

**JACKSON, MS**

**39286 - 1995**

**06-90**

**EFFECTIVE DATE** \_\_\_\_\_

**B. Marchadie**

**MONTHLY**

\_\_\_\_\_  
**Issuing Clerk**

**THIS CERTIFICATE IS  
NON-TRANSFERABLE**

If business is closed, moved or sold, taxpayer will complete the form on reverse side of this Certificate and forward to the Director's Office.

**E. H. Flynn**

**Director of  
Tax Collections**

**EACH PLACE OF BUSINESS MUST BE REGISTERED SEPARATELY**

**ST. CHARLES PARISH SCHOOL BOARD  
CERTIFICATE OF EXEMPTION COVERING PURCHASES FOR RESALE,  
OR FOR FURTHER PROCESSING OR FOR EXCLUSIVE USE  
OUTSIDE THE PARISH OF ST. CHARLES  
SALES & USE TAX DEPARTMENT**

LULING, LA. \_\_\_\_\_ 19 \_\_\_\_\_

The undersigned dealer certifies that all materials, goods, merchandise or services purchased by said dealer, engaged in \_\_\_\_\_ from \_\_\_\_\_ are to be used for the specific purposes as indicated by "X" mark below which are exempt from the taxable provisions of the Sales & Use Tax resolution as approved October 14, 1964.

( ) For Resale (For use of parish registered accounts only.)

17-10881  
(St. Charles Parish Sales tax account no.)

( ) For Further Processing. State type of business \_\_\_\_\_  
(No sales tax number required).

Type of Manufacturing Business

( ) Sale at Retail, or Wholesale, or For Resale, of Tangible personal property for use exclusively beyond the Territorial Limits of the Parish of St. Charles.

The undersigned purchaser further agrees that should any sale exempted hereunder be later held subject to the tax, that said purchaser agrees to pay proper sales taxes therefor.

\_\_\_\_\_  
Signature of Purchaser

\_\_\_\_\_  
Business Address

\_\_\_\_\_  
Trade name, if any

\_\_\_\_\_  
City and State

Any purchaser who fraudulently signs this Certificate without intent to use the property purchased as above stated shall be subject to all penalties as are provided for by the Sales and Use Tax Resolution as approved October 14, 1964, and to all penalties as are provided for by Act. No. 500 of the regular session of the 1964 Louisiana Legislature.







Entergy Operations, Inc.  
17265 River Road  
Killona, LA 70066  
Tel 504 739 6377  
Fax 504 739 6638

**COMPANY NAME:** ENTERGY OPERATIONS, INC.

**BILLING ADDRESS:** 17265 River Road, Killona, Louisiana 70066

**SHIPPING ADDRESS:** 17265 River Road LA Hwy. 18, Taft, Louisiana 70066

**TELEPHONE:** (504)739-6377 **FAX:** (504) 739-6638

**BUSINESS SERVICE MANAGER:** John Hunsaker (504) 739-6402

**ACCOUNTS PAYABLE CONTACT:** Al Champagne (504) 739-6345

**ACCOUNTS PAYABLE CONTACT:** Gail Price (504) 739-6377

**BUYER:** Robert Orgeron (504) 739-6537

**BANK REFERENCES:**

**NAME OF BANK:** Hibernia National Bank

**ADDRESS:** P.O. BOX 61540 New Orleans, Louisiana 70161

**OFFICER:** John Kallenborn

**TELEPHONE:** (504) 586-5446

**TRADE REFERENCES:**

**NAME OF COMPANY:** Rexal Southern

**ADDRESS:** 1001 Distributors Row, Harahan, La. 70123

**TELEPHONE:** (504) 733-4567

**NAME OF COMPANY:** Ameron Protective Coatings

**ADDRESS:** 11605 Vimy Ridge Rd. Alexander, Ark., 72002

**TELEPHONE:** (800) 283-6627 X126

**NAME OF COMPANY:** Bosco Brothers

**ADDRESS:** 711 Apple Street, Norco, La. 70079

**TELEPHONE:** (504) 764-1253

**DUN & BRADSTREET FOR ENTERGY OPERATIONS: #05-252-4212**  
**Federal Tax Identification: #64-0788106**  
**St. Charles Parish Tax Identification: #17-10881**

Appendix F  
(Zebra Mussel Treatment Plan)

PORC/QUALIFIED REVIEW

CE-002-036  
REVISION 0  
EFFECTIVE DATE \_\_\_\_\_

# SAFETY-RELATED

Chemical Control of Zebra Mussels in  
Circulating Water System

**PORC AND PORC S/C  
REVIEW AND APPROVAL SHEET**

REVIEW OF: CE-002-036 - Chemical Control of Zebra  
Mussels in Circulating Water System (Revision 0)

PORC   
~~PORC S/C~~

The PORC or ~~PORC S/C~~ has reviewed this item and determined that a Safety/Commitment Review was performed (if applicable), that a Safety Evaluation was performed (if applicable), that an unreviewed safety question does not exist, and that nuclear safety is/was not adversely affected.

PORC MEMBER	MEMBER SIGNATURE	RECOMMENDED FOR APPROVAL		
		YES	NO	NON-VOTING
Maintenance Manager Superintendent	<i>[Signature]</i>	✓		
Operations Manager Superintendent	<i>[Signature]</i>	✓		
Radiation Protection Superintendent	<i>[Signature]</i>	✓		
Quality Assurance Manager	<i>[Signature]</i>	✓		
Mgmt Knowledgeable in Engineering	<i>[Signature]</i>	x		
Manager Operations & Maintenance-Management Trainee				
PORC S/C Member Design Engr. Manager	<i>[Signature]</i>	✓		
PORC S/C Member				
PORC S/C Member				

Meeting No. 96-098 Item No. VI-A Date: 9/25/96

This item is recommended for approval?  YES  NO  
 This item requires SRC/NRC review prior to implementation?  YES  NO  
 If yes, ensure documentation supporting review is attached.

10CFR50.59 EVALUATION ATTACHED [ X ] #2 SCREENING/YES [ ]

	SIGNATURE	RECOMMENDED FOR APPROVAL		DATE
		YES	NO	
PORC SC Chairman	<i>[Signature]</i>			
PORC Chairman	<i>[Signature]</i>	✓		9/25/96

Comments: \_\_\_\_\_  
 Approved by *[Signature]* Date 9-25-96  
 General Manager Plant Operations

Check Block

PORC

QUALIFIED REVIEWER

DEPT.

WATERFORD 3 SES  
PLANT OPERATING MANUAL  
REQUEST/APPROVAL PAGE

Procedure No.: CE-002-036 Title: Chemical Control of Zebra Mussels in Circulating Water System

Effective Date: \_\_\_\_\_ (If different from approval date)

COMPLETE A, B, C, and D:

A. Change No.: 0  Permanent  Deviation Expiration Date: \_\_\_\_\_

B. Revision No.: 0

C. Deletion:  YES  NO

D. Temporary Procedure:  YES  NO Expiration Date: \_\_\_\_\_

DESCRIPTION OF CHANGE, REVISION, OR DELETION: \_\_\_\_\_  
New procedure for on-line chemical treatment of

the Circulating Water System (CWS) for eradication of Zebra Mussels. Provide instructions for detoxification of residual chemical in the CWS effluent prior to being discharged to Mississippi River.

REASON FOR CHANGE, REVISION, OR DELETION: \_\_\_\_\_  
New Procedure

AUTHOR/ORIGINATOR: B.P. Faigoust / B.P. Faigoust DATE: 9-17-96

TECHNICAL REVIEW: Joe Messina / Joe Messina DATE: 9-19-96

GROUP HEAD REVIEW: D.C. Madere / D.C. Madere DATE: 9-23-96

\* TEMPORARY APPROVAL (On-Shift SS): \_\_\_\_\_ DATE: \_\_\_\_\_

\* TEMPORARY APPROVAL: \_\_\_\_\_ DATE: \_\_\_\_\_

APPLICABLE CONDITIONS (Temporary procedures only): \_\_\_\_\_

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- 1.0 PURPOSE
- 2.0 REFERENCES
- 3.0 DEFINITIONS
- 4.0 RESPONSIBILITIES
- 5.0 PREREQUISITES
- 6.0 PRECAUTIONS AND LIMITATIONS
- 7.0 INITIAL CONDITIONS
- 8.0 MATERIAL AND TEST EQUIPMENT
- 9.0 ACCEPTANCE CRITERIA
- 10.0 PROCEDURE
  - 10.1 Chemical Injection Equipment Setup
  - 10.2 Detoxification Equipment Setup
  - 10.3 Chemical Application
  - 10.4 Bio-Monitoring
  - 10.5 Termination
  - 10.6 System Restoration - Intake Structure
  - 10.7 System Restoration - Detoxification Point
  - 10.8 Zebra Mussel Mortality
- 11.0 SETPOINTS

1

# Reference Use

**12.0 ATTACHMENTS**

- 12.1 Chronological Log**
- 12.2 Chemical Residual Testing**
- 12.3 Zebra Mussel Mortality**

**LIST OF EFFECTIVE PAGES**

<b>Title</b>	<b>Revision 0</b>
<b>1-22</b>	<b>Revision 0</b>

**1.0 PURPOSE**

- 1.1 Provide instructions for on-line chemical treatment of Circulating Water System (CW) for the purpose of eradicating zebra mussel infestation.
- 1.2 Provide instructions for detoxification of residual chemical in the CW effluent prior to being discharged to Mississippi River.

**2.0 REFERENCES**

- 2.1 OP-003-006, "Circulating Water"
- 2.2 OP-003-002, "Boze System"
- 2.3 OP-003-028, "Traveling Screens and Wash System"
- 2.4 UNT-005-015, "Work Authorization, Preparation, and Implementation"
- 2.5 UNT-007-003, "Control of Consumable Materials"
- 2.6 CE-001-010, "Administration of the NPDES"
- 2.7 CE-003-157, "Zebra Mussel Monitoring"
- 2.8 FP-001-015, "Fire Protection System Impairments"
- 2.9 FP-001-022, "Design Change Fire Protection/Safe Shutdown Review"
- 2.10 LOU-1564-G-158, Sheets 1 and 2
- 2.11 LOU-1564-G-164, Sheet 5
- 2.12 UNT-005-003, "Clearance Request, Approval and Release"
- 2.13 OP-009-004, "Fire Protection"



### 3.0 DEFINITIONS

- 3.1 Zebra Mussel - Freshwater macrofouling bivalve mollusk which can colonize in/on system components utilizing raw water such as intake screen, piping, trash racks, etc.
- 3.2 NPDES - National Pollutant Discharge Elimination System
- 3.3 Healthy Zebra Mussel - Exhibit a shell closure response when touched with a dull probe. Healthy mussels will also filter when left alone.
- 3.4 Stressed Zebra Mussel - Exhibit a sluggish response when probed.
- 3.5 Dead Zebra Mussel - Lose capability to shut shell and will gape open.
- 3.6 Bio-monitoring - Test in which organisms are exposed to effluent concentration(s) in order to determine short-term toxic effects (usually survival).

### 4.0 RESPONSIBILITIES

- 4.1 Chemistry Superintendent shall be responsible for implementing this procedure.

5.0 PREREQUISITES

**NOTE**

A Field Controlled copy of this procedure is required for implementation of signature steps.

**NOTE**

The following steps may not necessarily be performed in the order listed.

- 5.1 Pre-treatment briefing has been held with key Operations personnel as designated by Operations Shift Supervisor/Control Room Supervisor (SS/CRS). The potential for heat exchanger tube plugging has been discussed.

\_\_\_\_\_/\_\_\_\_\_  
Chemistry Lead                      Date

- 5.2 Louisiana Department of Environmental Quality has been notified of treatment and has approved use of specified chemical(s).

Chemical: \_\_\_\_\_

Detoxification Agent: \_\_\_\_\_

\_\_\_\_\_/\_\_\_\_\_  
Envim. Eng.                              Date

- 5.3 Bio-boxes have been seeded with live zebra mussels for approximately 3 days prior to the chemical application and all dead or stressed zebra mussels have been removed prior to start of chemical injection.

\_\_\_\_\_/\_\_\_\_\_  
Chemistry Lead                      Date

- 5.4 A laboratory area has been set-up and supplied with calibrated equipment necessary for performing Chemical residual testing..

\_\_\_\_\_/\_\_\_\_\_  
Chemistry Lead                  Date

- 5.5 Written procedure or daily instruction for chemical residual testing has been established (may be provided by vendor).

\_\_\_\_\_/\_\_\_\_\_  
Chemistry Lead                  Date

- 5.6 A contract and protocol has been established for bio-monitoring of CW discharge.

\_\_\_\_\_/\_\_\_\_\_  
Envirn Eng.                          Date

- 5.7 Any Fire impairments necessary for staging equipment in Turbine Building have been established per Reference 2.8.

\_\_\_\_\_/\_\_\_\_\_  
Chemistry Lead                  Date

- 5.8 Equipment, materials, and chemicals required for treatment application are on-job-site.

\_\_\_\_\_/\_\_\_\_\_  
Chemistry Lead                  Date

- 5.9 Remote communications have been established between chemical injection and detoxification injection work areas.

\_\_\_\_\_/\_\_\_\_\_  
Chemistry Lead                  Date



- 6.6 Detoxification feed to the CW shall commence approximately 15 minutes prior to the feeding treatment chemical.
- 6.7 Chemical treatment injection shall be terminated immediately if detoxification injection is lost or secured.
- 6.8 Detoxification injection to CW discharge shall extend a minimum of 15 minutes after the treatment chemical injection has been stopped.
- 6.9 The eradication of attached zebra mussels on CW structures and components will result in dislodging or sloughing of zebra mussels. Zebra mussel shells will be swept thru system and may result in pluggage of heat exchanger and condenser tubes.
- 6.10 Safety barricades shall be in place where there exist openings to intake bay area due to installation of chemical injection equipment.
- 6.11 If acceptable flow and differential pressure can not be maintained across condenser waterboxes and turbine component cooling water heat exchangers, treatment shall be secured.
- 6.12 TSW pump discharge is returned back to river on the east side of intake structure via a trash trough. If treatment chemical is injected upstream TSW pumps, do not operate the pumps unless detoxification is performed on its discharge back to river.

7.0 INITIAL CONDITIONS

NONE

8.0 MATERIAL AND TEST EQUIPMENT

8.1. Chemical Injection Skid

8.2. Detoxification Injection Skid

8.3 Hoses

8.4 Remote radio communications.

9.0 ACCEPTANCE CRITERIA

Mortality rate of zebra mussels in sidestream bio-box should be 90% or greater.

## 10.0 PROCEDURE

**NOTE**

Equipment setup does not have to be performed in any particular order.

**NOTE**

Pipe cutting and welding will be performed under detail work instructions of Work Authorization package.

### 10.1 CHEMICAL INJECTION EQUIPMENT SETUP

#### INDEPENDENT VERIFICATION POINT

- √ 10.1.1 Install hose to test connection on CW-1041, River Water Supply Pump Discharge Test Conn Isol and route to chemical injection skid. Tee off of hose to supply zebra mussel bio-box.

Installed by:

Verified by:

\_\_\_\_\_

\_\_\_\_\_

- 10.1.2 Supply 480V electrical power to chemical injection skid using a nearby welding receptacle.

#### INDEPENDENT VERIFICATION POINT

- √ 10.1.3 Lower chemical feed distribution header into each trash rack bay area. If debris prevents inserting header into trash rack bay area, the bay behind the trash rack may be used. Operations to inspect to ensure will not interfere with CW pump operation.

Installed by:

Verified by:

Operations:

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

- 10.1.4 Install safety barricades around any openings in the intake structure.

## 10.2 DETOXIFICATION EQUIPMENT SETUP

- 10.2.1 Verify condenser outlet waterbox air eductor system has been danger tagged in accordance with Work Authorization.
- 10.2.2 Cut line 7CW2-77, Condenser Waterbox Outlet Air Eductor System down stream of valve CW-121A, Condenser Outlet Waterbox A2 Air Eductor Isolation.
- 10.2.3 Remove spool piece by disconnecting from outlet flange of CW-121A, Condenser Outlet Waterbox A2 Air Eductor Isolation. Store in impound area.

### INDEPENDENT VERIFICATION POINT

- √ 10.2.4 Install 3 inch check valve to CW-121A, Condenser Waterbox Outlet A2 Air Eductor Isolation, outlet flange with flow oriented in direction of condenser water box.

Installed by:

Verified by:

\_\_\_\_\_

\_\_\_\_\_

- 10.2.5 Cut line 7CW2-78, Condenser Waterbox Outlet Air Eductor System down stream of valve CW-121B, Condenser Outlet Waterbox B2 Air Eductor Isolation.
- 10.2.6 Remove spool piece by disconnecting from outlet flange of CW-121B. Store in impound area.

### INDEPENDENT VERIFICATION POINT

- √ 10.2.7 Install 3 inch check valve to CW-121B, Condenser Outlet Waterbox B2 Air Eductor Isolation, outlet flange with flow oriented in direction of condenser water box.

Installed by:

Verified by:

\_\_\_\_\_

\_\_\_\_\_



10.2.8 Adapt inlet of each check valve for hose connection.

10.2.9 Route hose from pipe thread connection to detoxification skid.

**INDEPENDENT VERIFICATION POINT**

√ 10.2.10 Install a hose at DW-164410, Demin Water Storage Tank Drain Valve, and route to eductor on detoxification skid. A booster pump may be needed to increase pressure at eductor inlet.

Installed by:

Verified by:

\_\_\_\_\_

\_\_\_\_\_

10.2.11 At eductor inlet, install a tee to provide wash down water for detoxification skid funnel.

10.2.12 Connect hose to eductor on detoxification inlet.

**INDEPENDENT VERIFICATION POINT**

√ 10.2.13 Route air hose from SA-415, Turbine Building +15 Air Station Air Hose Connection, to detoxification skid and connect.

Installed by:

Verified by:

\_\_\_\_\_

\_\_\_\_\_

10.2.14 Supply 480V electrical power to auger motor on detoxification skid using nearby welding receptacle.

10.2.15 Supply 110V electrical power to detoxification skid using nearby outlet.

10.2.16 Clear tag out of condenser outlet waterbox air eductor system in accordance with Work Authorization.

### 10.3 CHEMICAL APPLICATION

**NOTE**

During chemical application, remote radio communications shall be maintained between personnel at chemical injection and detoxification injection skids to allow for immediate securing of chemical feed as required.

10.3.1 Verify all prerequisites have been satisfied.

10.3.2 Isolate Bio-Box in Turbine Building \_\_\_\_\_ / \_\_\_\_\_  
Chemistry Date

10.3.3 Operations to OPEN the following valves:

CW-1041, River Water Supply  
Pump Discharge Test Conn Isol \_\_\_\_\_ / \_\_\_\_\_

CW-121A, Condenser Outlet  
Waterbox A2 Air Eductor Isolation \_\_\_\_\_ / \_\_\_\_\_

CW-121B, Condenser Outlet  
Waterbox B2 Air Eductor Isolation \_\_\_\_\_ / \_\_\_\_\_

SA-415, Turbine Building +15  
Air Station Air Hose Connection \_\_\_\_\_ / \_\_\_\_\_

DW-164410, Demin Water Storage  
Tank Drain Valve \_\_\_\_\_ / \_\_\_\_\_  
OPS DATE

10.3.4 Commence detoxification injection into condenser outlet water boxes A2 and B2.

10.3.5 Ensure detoxification eductor is operating properly, verifying detox agent is being fed to condenser outlet water boxes.

10.3.6 Allow detoxification injection to proceed for a minimum of 15 minutes.

**10.3.7 Identify in-service Circulating Water Pumps:**

	In-service
CW Pump A	_____
CW Pump B	_____
CW Pump C	_____
CW Pump D	_____

**10.3.8 Line up chemical feed to distribution headers located in the intake trash rack bay area corresponding to identified CW Pumps are in service.**

**CAUTION**  
**DO NOT FEED CHEMICAL TO INTAKE BAY IF THE ASSOCIATED CW PUMP IS NOT IN SERVICE.**

**10.3.9 Operations to start River Water Supply Pump.**

**10.3.10 Operations to throttle down on CW-105, River Water Supply Pump Discharge Isolation, and CW-1041, River Water Supply Pump Discharge Test Conn Isol, to obtain the necessary flow to chemical injection skid.**

**10.3.11 Commence chemical injection.**

**10.3.12 After approximately 15 minutes, obtain CW grab sample at inlet to zebra mussel bio-box.**

**NOTE**  
**Chemical residual testing will be the responsibility of chemical vendor personnel.**

**10.3.13 Analyze sample for residual chemical. Verify a residual concentration of treatment chemical. Record results on Attachment 12.2.**

- 10.3.14 Make necessary adjustments to chemical feed controls to achieve residual chemical.
- 10.3.15 After approximately 30 minutes, obtain CW grab sample at discharge structure and analyze for chemical residual:
- 10.3.16 If chemical residual is greater than specified in Step 5.11, STOP CHEMICAL INJECTION , make necessary adjustments to chemical and/or detoxification feed controls, and then restart chemical injection.
- 10.3.17 Repeat Steps 10.3.14 and 10.3.15 approximately every 30 minutes until consecutive samples demonstrate chemical is less than that specified in Step 5.11 and then repeat approximately every hour after that.
- 10.3.18 Where possible, operate the Boze System in pre-run mode per Reference 2.2, keeping it in pre-run using "HOLD" switch. Alternate filter vessels A and B such that each is in service for approximately half of treatment application. Do not add coagulant.
- 10.3.19 Continue chemical and detoxification injection for approximately 6-10 hours. The duration of treatment application is dependent upon river water temperatures. Time of application will be determined using the expertise of vendor personnel and may exceed 10 hours.
- 10.3.20 During treatment application, observe zebra mussels in bio-box to determine mortality rates. Record results on Attachment 12.3.

#### 10.4 BIO-MONITORING

- 10.4.1 Obtain 24 hour composite samples of CW discharge by collecting grab samples (volume as specified by contract lab) at CWS discharge structure approximately every 4 hours. Time starts when chemical application commences.

10.4.2 Store samples in cool storage container provided by contract laboratory or in refrigerator at 4°C.

10.4.3 At end of 24 hour period, ship composite sample to contract laboratory for bio-monitoring testing.

### 10.5 TERMINATION

10.5.1 Secure chemical injection.

10.5.2 Operations to turn off River Water Supply Pump. Close CW105, River Water Supply Pump Discharge Isolation.

10.5.3 Continue detoxification injection for a minimum of 15 minutes and then secure injection.

10.5.4 Secure booster pump to eductor.

10.5.5 Secure Boze System in accordance with Reference 2.2.

10.5.6 Operations to CLOSE the following valves:

CW-1041, River Water Supply  
Pump Discharge Test Conn Isol \_\_\_\_\_ / \_\_\_\_\_

CW-121A, Condenser Outlet  
Waterbox A2 Air Eductor Isolation \_\_\_\_\_ / \_\_\_\_\_

CW-121B, Condenser Outlet  
Waterbox B2 Air Eductor Isolation \_\_\_\_\_ / \_\_\_\_\_

SA-415, Turbine Building +15  
Air Station Air Hose Connection \_\_\_\_\_ / \_\_\_\_\_

DW-164410, Demin Water Storage  
Tank Drain-Valve \_\_\_\_\_ / \_\_\_\_\_

OPS                  DATE

## 10.6 SYSTEM RESTORATION - INTAKE STRUCTURE

10.6.1 Clear tag out of TSW Pumps.

10.6.2 Disconnect electrical power from chemical injection skid.

### INDEPENDENT VERIFICATION POINT

√ 10.6.3 Remove chemical injection distribution headers from trash rack bay areas and recover openings.

Removed by:

Verified by:

\_\_\_\_\_

\_\_\_\_\_

### INDEPENDENT VERIFICATION POINT

√ 10.6.4 Remove hose from test connection on CW-1041, River Water Supply Pump Discharge Test Conn Isol.

Removed by:

Verified by:

\_\_\_\_\_

\_\_\_\_\_

## 10.7 SYSTEM RESTORATION - DETOXIFICATION POINT

10.7.1 Verify condenser outlet waterbox air eductor system has been danger tagged.

10.7.2 Disconnect hoses from each check valve.

### INDEPENDENT VERIFICATION POINT

√ 10.7.3 Remove check valve from CW-121A, Condenser Outlet Waterbox A2 Air Eductor Isolation.

Removed by:

Verified by:

\_\_\_\_\_

\_\_\_\_\_

10.7.4 Re-weld line at CW-121A, Condenser Outlet Waterbox A2 Air Eductor Isolation.

- 10.7.5 Re-connect pipe at CW-121A, Condenser Outlet Waterbox A2 Air Eductor Isolation outlet flange.

**INDEPENDENT VERIFICATION POINT**

- √ 10.7.6 Remove check valve from CW-121B, Condenser Outlet Waterbox B2 Air Eductor Isolation.

Removed by:

Verified by:

\_\_\_\_\_

\_\_\_\_\_

- 10.7.7 Re-weld line at CW-121B, Condenser Outlet Waterbox B2 Air Eductor Isolation.

- 10.7.8 Re-connect pipe at CW-121B, Condenser Outlet Waterbox B2 Air Eductor Isolation outlet flange.

**INDEPENDENT VERIFICATION POINT**

- √ 10.7.9 Remove hose from DW-164410, Demin Water Storage Tank Drain Valve:

Removed by:

Verified by:

\_\_\_\_\_

\_\_\_\_\_

**INDEPENDENT VERIFICATION POINT**

- √ 10.7.10 Remove air hose from SA-415, Turbine Building +15 Air Station Air Hose Connection.

Removed by:

Verified by:

\_\_\_\_\_

\_\_\_\_\_

- 10.7.11 Remove 480V electrical power supply from auger motor on detoxification injection skid.

- 10.7.12 Remove 110V electrical power supply to control panel on detoxification injection skid.

- 10.7.13 Clear tag out of condenser outlet waterbox air eductor system.

## 10.8 ZEBRA MUSSEL MORTALITY

10.8.1 Continue to monitor zebra mussel mortality rates in zebra mussel bio-box until all zebra mussel are dead or for 2 weeks, which ever comes first.

10.8.2 Record results on Attachment 12.3.

## 11.0 SETPOINTS

NONE

## 12.0 ATTACHMENTS

12.1 Chronological Log

12.2 Chemical Residual Testing

12.3 Zebra Mussel Mortality







