CALCASIEU REFINING

# CALCASIEU REFINING COMPANY
# LAKE CHARLES, LOUISIANA

# RENEWAL APPLICATION FOR LPDES PERMIT NUMBER LA0052370
## Agency Interest Number 3585

*December 2011*

**C-K Associates' Project No. 6819**

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ENVIRONMENTAL & ENGINEERING CONSULTANTS

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December 2, 2011

Mr. Sanford Phillips
Louisiana Department of Environmental Quality
Office of Environmental Services
P.O. Box 4313
Baton Rouge, Louisiana 70821-4313

**Attention: Ms. Valerie Powe**



Reference: Calcasieu Refining Company – Calcasieu Refinery
Louisiana Pollutant Discharge Elimination System (LPDES)
Permit No. LA0052370
Agency Interest No. 3585

**Subject: Submittal of LPDES Permit Renewal Application**
**C-K Associates' Project No. 6819**

Dear Mr. Phillips:

C-K Associates (C-K), on behalf of the Calcasieu Refining Company (CRC), hereby submits three sets of the individual application forms for the CRC Calcasieu Refinery. The Calcasieu Refinery is currently permitted to discharge process water and storm water under LPDES permit No. LA0052370. This permit was issued May 7, 2007 and became effective on June 1, 2007. In order to continue permit coverage, CRC needs to submit a permit renewal application by December 4, 2011 (180 days prior to permit expiration).

The attached application includes narrative text that summarizes facility background, wastewater discharges, changes to the facility during the current permit cycle, recommendations for modified permit limitations, and requested permit conditions. Permit renewal application forms are included as appendices to the document and include United States Environmental Protection Agency (USEPA) Form 1, Form 2C, Form 2F, required sections of the Louisiana Department of Environmental Quality (LDEQ) Form IND, and LDEQ Technology and Water Quality spreadsheets.

Please note that storm water data is not included in this application packet. Storm water samples have been collected, but results have not yet been received from the laboratory. CRC will submit the missing data as a permit addendum as soon as that data becomes available.

The Calcasieu Refining Company is committed to protecting the waters of the State of Louisiana and looks forward to working with the LDEQ to develop an appropriate permit for the Calcasieu Refinery. If you have any questions or comments regarding this application, please do not hesitate to contact me at (225) 755-1000.

Sincerely yours,
C-K Associates, LLC

Chad Cristina Ph.D., P.E.

Chad Cristina Ph.D., P.E.

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# LAKE CHARLES, LOUISIANA

## RENEWAL APPLICATION FOR
## LPDES PERMIT NUMBER LA0052370
### Agency Interest Number 3585

**December 2011**


**Prepared By:**

**C-K Associates, LLC**
**17170 Perkins Road**
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**(225) 755-1000**


**C-K Associates' Project No. 6819**

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# 1.0 INTRODUCTION

## 1.1 Background

The Calcasieu Refining Company (CRC) owns and operates the Calcasieu Refinery located in Lake Charles, Louisiana. The facility is operating under Louisiana Pollutant Discharge Elimination System (LPDES) Permit No. LA0052370 issued by the Louisiana Department of Environmental Quality (LDEQ) on May 7, 2007.

The following information and U.S. Environmental Protection Agency (EPA) Application Form 1 (Appendix A), Form 2C (Appendix B), Form 2F (Appendix C), and Section V of the LDEQ Application Form SCC-2 including responses to the Environmental Impact Questionnaire (Appendix D) are being submitted in accordance with the requirements of the Louisiana Administrative Code (LAC) at LAC 33:IX.2501, 2503, and 2511.

## 1.2 Site Location

The facility is located at 4359 West Tank Farm Road in Lake Charles, Calcasieu Parish, Louisiana. The facility is situated on an approximately 75-acre island. The facility is bordered to the north, south and west by the Calcasieu River; and bordered to the east by Bayou Guy. The geographical coordinates of the front gate are latitude 30° 08' 04" and longitude 93° 18' 58". CRC's federal tax identification number is 74-2087048. Figure 1 is a Site Location Map depicting the site location, property boundaries and outfalls, and industrial and domestic well locations within a 1-mile radius of the facility.

## 1.3 Process Description

The Calcasieu Refinery operates a petroleum refinery [Standard Industrial Classification (SIC) Code 2911] and is classified as a Topping Facility. The facility processes approximately 83,000 barrels per day (BPD) (See Table 1). Products produced at the facility include various petroleum fractions, liquefied petroleum gas, naphtha, kerosene, diesel, reduced crude (tower bottoms), mineral spirits, and gas oil. The facility operates two atmospheric distillation units and a single vacuum distillation unit along with ancillary support equipment to convert crude oil to useful end products.

Figure 2 contains a Facility Plot Plan that identifies process units, storage tanks, storm water drainage areas, storm water sewers and outfalls.

# 2.0 SUMMARY OF WASTEWATER DISCHARGES

## 2.1 Water Source

The Calcasieu Refinery obtains all water used at the facility from on site wells. Process water is obtained from a series of seven industrial water wells located on the property (See Figure 1).

## 2.2 Outfall Descriptions

The following outfalls are permitted to discharge wastewater from the Calcasieu Refinery under the existing LPDES permit:

- Outfall 001 consists of treated process wastewater and process area storm water and utility wastewater including boiler blowdown, hydrostatic test wastewater and wash down water;
- Outfall 002 consists of low contamination potential storm water from the Tank Farm secondary containment area, non-contact cooling water, and previously monitored hydrostatic test water. This water can be routed to the wastewater treatment system if non-storm water is present;
- Outfall 003 consists of low contamination potential storm water from the north-west portion of the facility, the north portion of the east tank farm, steam and air-conditioner condensates and previously monitored hydrostatic test water;
- Outfall 004 consists of low contamination potential storm water runoff from the south-west side of the facility, steam and air-conditioner condensates, and previously monitored hydrostatic test water;
- Outfall 005 consists of treated sanitary wastewater;
- Outfall 006 consists of low contamination potential storm water runoff from the product tank farm, steam and air-conditioner condensates, a portion of the southern edge of the facility, and previously monitored hydrostatic test water;
- Outfall 007 consists of low contamination potential storm water runoff from the product tank farm, steam and air-conditioner condensates, and previously monitored hydrostatic test water;
- Outfall 008 consists of low contamination potential storm water runoff from the south east side of the property, steam and air-conditioner condensates, and previously monitored hydrostatic test water;
- Outfall 009 consists of treated sanitary wastewater from the contractor break area and is laboratory building;
- Outfall 010 consists of treated sanitary wastewater from the maintenance shop and office buildings;
- Outfall 011 consists of low contamination potential storm water runoff from the north side of the property, steam and air-conditioner condensates, previously monitored hydrostatic test water, and drainage of previously monitored storm water collected in the less-than-ninety-day solid hazardous waste drum storage area;

- Outfall 012 consists of low contamination potential storm water runoff from the north-east side of the property, air-conditioner condensates, and previously monitored hydrostatic test water; and
- Outfall 013 consists of hydrostatic test waters

The following outfalls are permitted to discharge low contamination potential storm water from the Calcasieu Refinery under the LPDES Multi-Sector General Permit:

- Outfall 014 consists of low contamination potential storm water from the south-west portion of the property;
- Outfall 015 consists of low contamination potential storm water from the south-west portion of the property; and
- Outfall 017 consists of low contamination potential storm water from roadways in the curbed process area.

The following outfall is permitted to discharge sanitary wastewater from the Calcasieu Refinery under the LPDES General Sanitary Permit:

- Outfall 016 discharges sanitary wastewater from the laboratory building on the south side of the property. Laboratory sink water is discharged through Outfall 016. Solvents are sent to the wastewater treatment system.

Additional portions of the property discharge storm water associated with industrial activity (including steam condensate from the docks) via sheet flow or discharge storm water that is not associated with industrial activity.

## 2.3 Wastewater Treatment Systems

The wastewater collection and treatment system collects process wastewater, process area storm water (from the curbed process area), and other miscellaneous wastewater streams. Process wastewater consists primarily of desalter water and aqueous wastes from various refinery processes. Desalter water is generated from treating the crude oil to remove corrosive salts. The desalter water is cooled and fed to the API oil/water separator then to two dissolved air flotation units that are operated in parallel. Wastewater leaving the dissolved air flotation units is combined in an equalization tank along with the effluent from the neutralization tank. The combined wastewater passes through a benzene air stripper with a thermal oxidation unit before entering one of two biological treatment units that are operated in parallel. The wastewater is clarified in one of two clarification tanks prior to discharge to the Calcasieu River. A pictorial description of wastewater flows can be found in Figure 3.

Residuals from the treatment system include oil removed in the dissolved air flotation units and collected in the API oil/water separator; and wasted sludge from the clarifiers. Collected oil is returned to the slop oil tank and is, ultimately,

returned to the crude oil storage tanks. Waste sludge from the clarifiers is disposed of offsite in a permitted disposal facility.

Non-process area storm water is managed through a series of storm water outfalls. These outfalls do not undergo treatment but are managed in accordance with the facility Storm Water Pollution Prevention Plan (SWPP).

Sanitary wastewater is treated in four separate package treatment units each treating less than 1,000 gallons per day.

## 2.4 Wastewater-Related Information

Significant materials used at the Calcasieu Refinery are stored and handled in such a manner as to minimize impact to storm water. Bulk storage tanks are designed and maintained in accordance with the Calcasieu Refinery Spill Prevention, Control, and Countermeasure (SPCC) Plan. Table 2 lists significant materials that are stored on site. Table 3 lists water treatment chemicals that are used on site. Figure 2 contains a Facility Plot Plan that shows the locations where significant materials are stored, existing structural controls (i.e. berms, dikes, sewer systems), less than ninety-day hazardous waste storage area, truck loading/unloading area, and impervious areas including paved areas and buildings.

Structural controls used to minimize the potential for storm water contamination include containment dikes/berms around significant materials handling area and storage areas. Sloping and grading of pads and roads is used to direct storm water to drains or drainage ditches. The Calcasieu Refinery employs numerous operational practices to avoid and/or contain any potential leaks or spills. If any materials are spilled or released during loading/unloading operations, the materials are contained and routed to the wastewater treatment system.

Hazardous wastes generated at the Calcasieu Refinery are temporarily stored in a <90-day, lined, bermed hazardous waste storage area prior to off-site disposal at a permitted disposal facility. Only solid hazardous wastes are stored within this area including, but not limited to, sealed drums of oil-contaminated soil, spent carbon, and sandblast media. These containers are stored on pallets above any accumulated water. Weekly inspections are performed to verify that no drum spillage has occurred. Storm water that accumulates inside the bermed area is allowed to evaporate. In the rare event that water needs to be removed from the area the storm water is drained consistent with Resource Conservation and Recovery Act (RCRA) regulations and is discharged through Outfall 011. The Calcasieu Refinery has no hazardous waste treatment or disposal units.

Commercially approved herbicides are applied by a contractor around buildings, fences, and pipelines on an as-needed basis to control weeds and vegetation in accordance with manufacturer's instructions. Pesticides are applied by a

contractor inside buildings for insect control. Fertilizers are applied to landscaping on an as-needed basis.

Calcasieu Refinery has not accepted ballast water in the current permit cycle. However, under MARPOL regulations, Calcasieu Refinery is required to accept ballast water if required by a ship or barge during loading operations. As such, Calcasieu Refinery has retained the ballast water flow rate from the previous permit application in this application.

Table 4 contains a summary of biomonitoring results. No biomonitoring exceedances were measured from Calcasieu Refinery during the current permitting period.

Table 5 contains a list of spills to the ground or surface water during the last three years.

## 3.0 FACILITY CHANGES

This section details changes that occurred at the facility during the current permitting period and describes changes to the facility anticipated to occur during the upcoming permitting cycle.

### 3.1 Changes During the Current Permit Cycle

A number of operational changes have occurred at the Calcasieu Refinery during the current permitting cycle. However, the changes have not altered Calcasieu Refinery's ELG classification. Calcasieu Refinery remains a Topping facility. Operational changes affecting the crude distillation process include the addition of a vacuum distillation unit to improve product recovery from the atmospheric distillation unit bottom ends. A benzene stripper with a thermal oxidation unit was installed prior to the biological treatment units to reduce benzene emissions to the atmosphere.

An office building was built on the southern portion of the facility during the current permit cycle. The only discharge associated with this change is the inclusion of a sanitary treatment outfall (Outfall 016), which is authorized under the LPDES General Sanitary Permit.

Due to flooding during Hurricane Rita, Calcasieu Refinery has installed sea walls and berms around the facility perimeter. As a backup to the protection provided by the seawalls, Calcasieu Refinery has also installed emergency flooding pumps. One set of pumps is located on the north side of the process area, and another set of pumps is located on the South Side of the tank farm area. In the event of a facility-wide evacuation due to a severe weather event, Calcasieu Refinery would cease all operations and activate the emergency pumps. The water being pumped would consist of process area and non-process area stormwater runoff and flood

waters entering the facility from the Calcasieu River. These pumps will only be operational during emergency flooding situations although periodic testing will be conducted to ensure that the pumps are in proper working order.

### 3.2 Anticipated Changes During the Upcoming Permit Cycle

There are no anticipated changes to the facility structure or operations at this time.

## 4.0 SAMPLING AND ANALYSIS CONSIDERATIONS

The Calcasieu Refinery conducted sampling and analysis for this permit application in accordance with all applicable regulations. Outfall 001 was sampled during dry weather conditions on October 16, 2011 (Form 2C; Appendix B). Storm water samples were not collected due to a lack of rainfall. Rainfall sampling results will be submitted to the LDEQ as an addendum to this permit application as soon as they become available.

## 5.0 BASIS FOR PERMIT LIMITS

The Calcasieu Refinery is regulated under the national effluent guidelines in the Code of Federal Regulations (CFR) at 40 CFR 419 (Petroleum Refinery), Subpart A (Topping). Calculation of permit limits at Outfall 001 is based on the effluent guidelines established by the United States Environmental Protection Agency, which primarily use a facility's production rates, ballast water flow rate, and contaminated storm water flow rate (Table 1) to calculate the permit limits.

Appendix E contains the suggested LDEQ Technology Spreadsheet and Water Quality Screen for Outfall 001. No water-quality-based effluent limitations were indicated during the water quality screen. Table 6 summarizes the suggested permit limits at Outfall 001 based on the LDEQ Technology and Water Quality Spreadsheets.

## 6.0 REQUESTED PERMIT CONDITIONS

The Calcasieu Refinery would like to make the following changes to its LPDES permit during the upcoming permit cycle.

- A sanitary outfall (Outfall 016) was created as the result of a new office building being located on the south side of the facility. This outfall is currently covered under the LPDES General Sanitary Permit. Calcasieu Refinery would like this outfall to be covered under the new LPDES individual permit. Calcasieu Refinery will submit a notice of termination for the LPDES General Sanitary Permit upon approval of this request by the LDEQ.
- Storm water Outfalls 004, 008, 011 and 012 are currently part of the facility individual LPDES permit. Calcasieu Refinery would like these outfalls removed from the individual LPDES permit and moved to the LPDES Multi-Sector General Permit. Calcasieu Refinery requests confirmation that these will be covered as required under Section 1.1 of the LPDES Multi-Sector General Permit.

- Two sets of emergency pumps have been added to the facility to prevent process area flooding during extreme weather events. These pumps will only be used in the emergency situations to prevent facility flooding and during routine pump maintenance/inspection operations. Calcasieu Refinery requests that the outfalls to these two pumps be authorized as Outfall 001A (north of process area) and 001B (south of tank farm area).
- The outfall description for Outfall 002 in the current permit reads "*Outfall 002 the intermittent discharge of low contamination potential storm water runoff from storage tank secondary containment areas (first 0.5" (15 minutes) of rain event, storm water will be routed to the wastewater treatment system used for Outfall 001 wastewaters), non-contact cooling water, and previously monitored hydrostatic test wastewater from Internal Outfall 013.*" Calcasieu Refinery wishes to retain authorization to route storm water from Outfall 002 to the wastewater treatment system if visual inspection indicates that non-storm water is present, but wishes to remove language requiring the first 0.5" of runoff to be routed to the treatment system. The suggested description for Outfall 002 in the new permit is "*Outfall 002 the intermittent discharge of low contamination potential storm water runoff from storage tank secondary containment areas, non-contact cooling water, and previously monitored hydrostatic test wastewater from Internal Outfall 013.*"
- Calcasieu Refinery requests reduce monitoring frequencies at Outfall 001 for oil & grease and sulfide based on the EPA's *Interim Guidance for Performance-based Reduction of NPDES Permit Monitoring Frequencies* (April 1996) and Calcasieu Refinery's compliance record. In addition, reduce monitoring frequencies at Outfall 001 for BOD, TSS, COD, ammonia and phenolic compounds based on best professional judgment. Table 7 summarizes the allowable reduced monitoring frequencies.

# TABLES

# TABLE 1

# PRODUCTION RATE SUMMARY

# TABLE 1
# CALCASIEU REFINING CO. PRODUCTION RATE SUMMARY

| Applicable Process | 2006 Feedstock Capacity (1000 bbl/day) | 2011 Feedstock Capacity (1000 bbl/day) |
|---|---|---|
| Atmospheric Distillation | 83 | 83 |
| Vacuum Distillation | | 30 |
| Desalting | 83 | 83 |
| **Total Crude Processes** | | |
| Fluid Catalytic Cracking (FCCU) | | |
| Vis-Breaking | | |
| Thermal Cracking | | |
| Moving Bed Catalytic Cracking | | |
| Hydrocracking | | |
| Hydroprocessing (Upstream Feedstock) | | |
| Fluid Coking | | |
| Delayed Coking | | |
| Hydrotreating (Product Hydrotreating) | | |
| **Total Cracking Processes** | | |
| Asphalt - Production | | |
| 200° F Softening Point Unfluxed Asphalt | | |
| - Oxidation | | |
| - Emulsifying | | |
| **Total Asphalt Processes** | | |
| Hydrofining, Hydrofinishing, Lube Hydrofining | | |
| White Oil Manufacture | | |
| Propane Dewaxing, Propane Deasphalting, Propane Fractioning, Propane Deresining | | |
| Duo Sol, Solvent Treating, Solvent Extraction, Duotreating, Solvent Dewaxing, Solvent Deasphalting | | |
| Lube Vac Twr, Oil Fractionation, Batch Still (Naphtha Strip), Bright Stock Treating | | |
| Centrifuge and Chilling | | |
| MEK Dewaxing, Detone Dewaxing, MEK-Toluene Dewaxing | | |
| Deoiling (wax) | | |
| Naphthenic Lubes Production | | |
| $SO_2$ Extraction | | |
| Wax Processing | | |
| Wax Plant (with Neutral Separation) | | |
| Furfural Extraction | | |
| Clay Contacting - Percolation | | |
| Wax Sweating | | |
| Acid Treating | | |
| Phenol Extraction | | |
| **Total Lube Processes** | | |
| Catalytic Reforming | | |
| H2SO4 Alkylation | | |
| **Total Reforming and Alkylation Processes** | | |
| **Ballast Water** | **2.736 K gal/day** | **2.736 K gal/day** |
| **Contaminated Stormwater** | **16.848 K gal/day** | **17.8 K gal/day** |

# TABLE 2

# LIST OF SIGNIFICANT MATERIALS STORED ON SITE

# TABLE 2
# LIST OF SIGNIFICANT MATERIALS STORED ON SITE

| Tank Number | Tank Contents | Tank Capacity | Adequate Secondary Containment? |
|---|---|---|---|
| TK-300 | Crude Oil | 98,358 bbl | Yes |
| TK-301 | Gas Oil (VTB) | 30,126 bbl | Yes |
| TK-302 | Mineral Spirits | 10,305 bbl | Yes |
| TK-303 | ATB | 20,275 bbl | Yes |
| TK-304 | ATB | 19,963 bbl | Yes |
| TK-305 | VTB | 44,869 bbl | Yes |
| TK-306 | ATB/O.O.S. | 19,969 bbl | Yes |
| TK-307 | Waste Water | 20,989 bbl | Yes |
| TK-308 | Gas Oil (VTB) | 28,399 bbl | Yes |
| TK-309 | Storm Water/Oil | 10,110 bbl | Yes |
| TK-310 | Waste Water EQ Tank/Oil | 9,371 bbl | Yes |
| TK-311 | Crude Oil | 198,387 bbl | Yes |
| TK-312 | Crude Oil | 93,650 bbl | Yes |
| TK-313 | Crude Oil | 94,595 bbl | Yes |
| TK-314 | Kerosene | 92,285 bbl | Yes |
| TK-315 | Diesel | 14,810 bbl | Yes |
| TK-316 | Naphtha | 81,735 bbl | Yes |
| TK-317 | LSVGO | 129,622 bbl | Yes |
| TK-318 | Diesel | 80,616 bbl | Yes |
| TK-319 | Diesel | 80,673 bbl | Yes |
| TK-109 | Caustic, 50% | 210 bbl | Yes |
| TK-125 | Biocide | 2,000 gal | Yes |
| TK-126 | Sulfuric Acid | 1,100 gal | Yes |
| TK-170 | Caustic, Spent | 210 bbl | Yes |
| TK-174 | Diesel | 140 gal | Yes |
| TK-250 | Neutralizer | 1,000 gal | Yes |
| TK-251 | Filmer | 1,000 gal | Yes |
| TK-252 | Emulsion | 1,000 gal | Yes |
| TK-253 | Anti-foulant | 1,000 gal | Yes |
| TK-254 | Polymer | 600 gal | Yes |
| TK-255 | Sulfite | 1,100 gal | Yes |
| TK-450 | Hydrochloric Acid | 900 gal | Yes |
| TK-451 | Phosphoric Acid | 600 gal | Yes |
| TK-452 | Ammonium Hydroxide | 600 gal | Yes |
| TK-550 | Filmer | 2,000 gal | Yes |
| TK-551 | Neutralizer | 2,000 gal | Yes |
| TK-552 | Demulsifier | 2,000 gal | Yes |
| TK-553 | Anti-foulant | 2,000 gal | Yes |
| P-402 | Diesel | 590 gal | Yes |
| NA | Diesel | 590 gal | Yes |
| D-146 | Pour Point | 2,000 gal | Yes |
| D-147 | Emulsion Break | 2,000 gal | Yes |
| D-148 | Anti-Icing | 8,200 gal | Yes |
| D-149 | Dye | 5,781 gal | Yes |

# TABLE 2
## LIST OF SIGNIFICANT MATERIALS STORED ON SITE

| Tank Number | Tank Contents | Tank Capacity | Adequate Secondary Containment? |
|---|---|---|---|
| D-150 | Dye | 1,600 gal | Yes |
| D-151 | Pour Point | 500 gal | Yes |
| D-315 | Sulfuric Acid | 2,100 gal | Yes |
| D-4501 | Organic Lab Waste | 4,300 gal | Yes |
| D-4502 | Organic Lab Waste | <55 gal | Yes |
| FRAC | Oily Water | 500 gal | Yes |
| TK-WW-D | Sulfuric Acid | 3,200 gal | Yes |
| Lab Drum Storage | Organic Lab Materials including oil (multiple drums) | 55 gal | Yes |
| HW Drum Storage | Solid Hazardous Waste (multiple drums) | 55 gal | Yes |
| NA | Oil, maintenance materials, and operational fluids (multiple drums) | 55 gal | Yes |

# TABLE 3

# LIST OF WATER TREATMENT CHEMICALS

## TABLE 3
## LIST OF WATER TREATMENT CHEMICALS STORED ON SITE

| Tank Number | MFG. | Model Number | Product Name/ Description |
|---|---|---|---|
| Portable Tote | Southern Water | SWT 1340 | Coagulant |
| Portable Tote | Ashland | SWT 5380E | Flocculant |
| Portable Tote | Emerald | SWT 9040 | Defoamer |
| Portable Tote | Ashland | SWT 9010 | Defoamer |
| Disposable Bucket | BioSystems | SBT 6000 Series | Bacterial Supplement |
| | Hydrex | 1303 | Boiler Oxygen Scavenger |
| | Hydrex | 1404 | Boiler Phosphate Inhibitor |
| | Hydrex | 2231 | Cooling Water Phosphate Inhibitor |
| | | | Sodium Hypochlorite (microbial control) |

# TABLE 4

# BIOMONITORING RESULTS SUMMARY

## TABLE 4
## BIOMONITORING RESULTS SUMMARY

| Test Date | Critical Dilution | *Menidia beryllina* | | *Mysidopis bahia* | |
|---|---|---|---|---|---|
| | | Survival NOEC | Growth NOEC | Survival NOEC | Growth NOEC |
| February 4, 2009 | 0.5% | 0.7% | 0.7% | 0.7% | 0.7% |
| April 22, 2009 | 0.5% | 0.7% | 0.7% | 0.7% | 0.7% |
| August 5, 2009 | 0.5% | 0.7% | 0.7% | 0.7% | 0.7% |
| November 11, 2009 | 0.5% | 0.7% | 0.7% | 0.7% | 0.7% |
| February 9, 2010 | 0.5% | 0.7% | 0.7% | 0.7% | 0.7% |
| March 1, 2010 | 0.5% | 0.7% | 0.7% | 0.7% | 0.7% |
| May 3, 2010 | 0.5% | 0.7% | 0.7% | 0.7% | 0.7% |
| August 23, 2010 | 0.5% | 0.7% | 0.7% | 0.7% | 0.7% |
| October 25, 2010 | 0.5% | 0.7% | 0.7% | 0.7% | 0.7% |
| January 10, 2011 | 0.5% | 0.7% | 0.7% | 0.7% | 0.7% |
| April 4, 2011 | 0.5% | 0.7% | 0.7% | 0.7% | 0.7% |

NOEC = No Observed Effect Concentration

# TABLE 5

# LIST OF SPILLS AND LEAKS

## TABLE 5
## LIST OF SPILLS AND LEAKS

| Date | Material Spilled | Spill Location | Amount |
|---|---|---|---|
| April 15, 2008 | Naphtha | Naphtha pipeline skid | Estimated 20 lb Benzene released to atmosphere. Release contained within secondary containment. |
| August 18, 2008 | Naphtha | Release from TK-313 | Estimated 1,000 barrels that was contained within secondary containment. |
| September 21, 2009 | Crude Oil | Dock | 4 barrels |
| October 15, 2010 | Crude Oil | Tk-300 Bottom Failure | 100 barrels contained within secondary containment. |

# TABLE 6

# SUGGESTED PERMIT LIMITS AT OUTFALL 001

## TABLE 6
## SUGGESTED PERMIT LIMITS AT OUTFALL 001

| Parameter | Current Permit Limits | | Proposed Permit Limits | |
|---|---|---|---|---|
| | Average (lb/day) | Maximum (lb/day) | Average (lb/day) | Maximum (lb/day) |
| BOD | 280 | 527 | 280 | 527 |
| TSS | 237 | 369 | 237 | 369 |
| Oil & Grease | 86 | 165 | 86 | 165 |
| COD | 1412 | 2733 | 1413 | 2735 |
| Ammonia (as N) | 29 | 64 | 29 | 64 |
| Sulfide (as S) | 1.6 | 3.4 | 1.6 | 3.4 |
| Phenolic Compounds | 0.5 | 2.2 | 0.6 | 2.6 |
| Benzo(a)anthracene | --- | 0.0908 | --- | 0.0908 |
| Benzo(a)pyrene | --- | 0.0908 | --- | 0.0908 |
| Total Chromium | 0.7 | 1.9 | 0.8 | 2.2 |
| Chromium (6+) | 0.1 | 0.1 | 0.1 | 0.1 |
| Total Copper | --- | 1.5600 | --- | 1.56 |
| Total Mercury | --- | 0.0108 | --- | 0.0108 |

# TABLE 7

# MONITORING FREQUENCY REDUCTION ANALYSIS

## TABLE 7
## MONITORING FREQUENCY REDUCTION ANALYSIS

| Outfall | Parameter | Permit Daily Average (lbs/day) | Long Term Effluent Average (lbs/day)[1] | Ratio of Long Term Effluent Average to Permit Daily Average | Existing Permit Monitoring Frequency | Allowable Reduced Monitoring Frequency |
|---|---|---|---|---|---|---|
| 001 | BOD | 280 | 23.9 | 9% | 2/week | 1/month |
| 001 | TSS | 237 | 67.3 | 28% | 1/week | 2/month |
| 001 | Oil and Grease | 86 | 10.5 | 12% | 1/week | 1/2 months |
| 001 | COD | 1412 | 326.0 | 23% | 3/week | 1/week |
| 001 | Ammonia | 29 | 3.9 | 13% | 1/week | 1/2 months |
| 001 | Sulfide | 1.6 | 0.12 | 8% | 1/week | 1/2 months |
| 001 | Chromium | 0.7 | 0.02 | 3% | 1/week | 1/2 months |
| 001 | Chromium (6+) | 0.1 | 0.01 | 10% | 2/week | 1/2 months |
| 001 | Phenolic Compunds | 0.5 | 0.18 | 36% | 1/week | 2/month |

[1] Data from 2009-2011

# FIGURES

# FIGURE 1

# SITE LOCATION MAP



**Legend**

- LPDES Outfall
- Multi-Sector General Permit Outfall
- Facility Boundary
- 1-Mile Radius

0 750 1,500 3,000 4,500

Feet

**Reference**

U.S.G.S. 7.5 MINUTE SERIES QUAD MAP, WESTLAKES, LA AND MOSS LAKE, LA.

ESRI AUTHORIZED CONSULTANT

# CALCASIEU REFINING COMPANY

LAKE CHARLES, LOUISIANA

LPDES PERMIT

## SITE LOCATION MAP

CALCASIEU PARISH

C-K ASSOCIATES, LLC

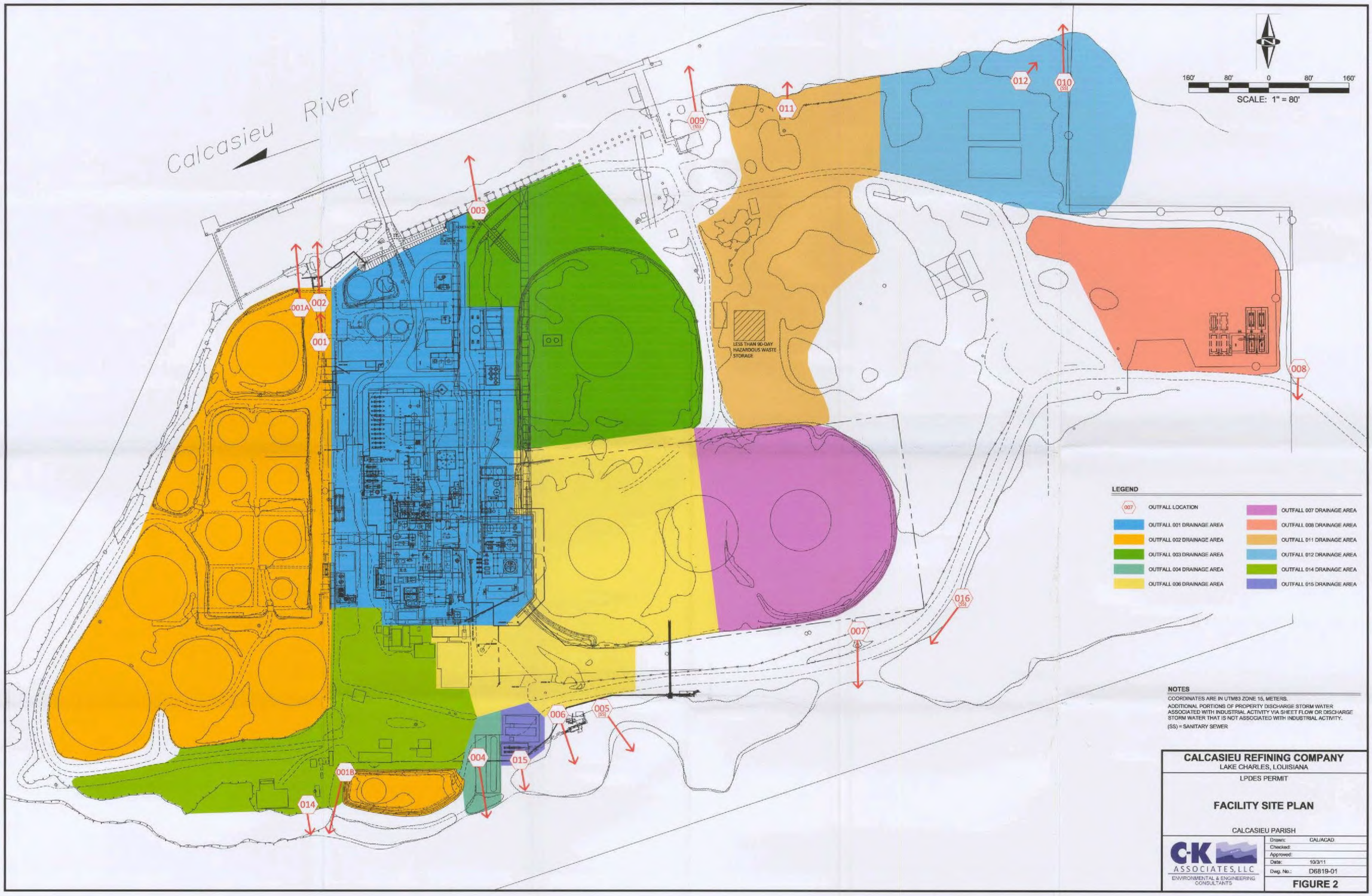
ENVIRONMENTAL & ENGINEERING CONSULTANTS

| | |
|---|---|
| Drawn: | CAL/AM9.2 |
| Checked: | DJL |
| Approved: | DJL |
| Date: | 10/5/11 |
| Dwg. No.: | A6819-01 |

**FIGURE 1**

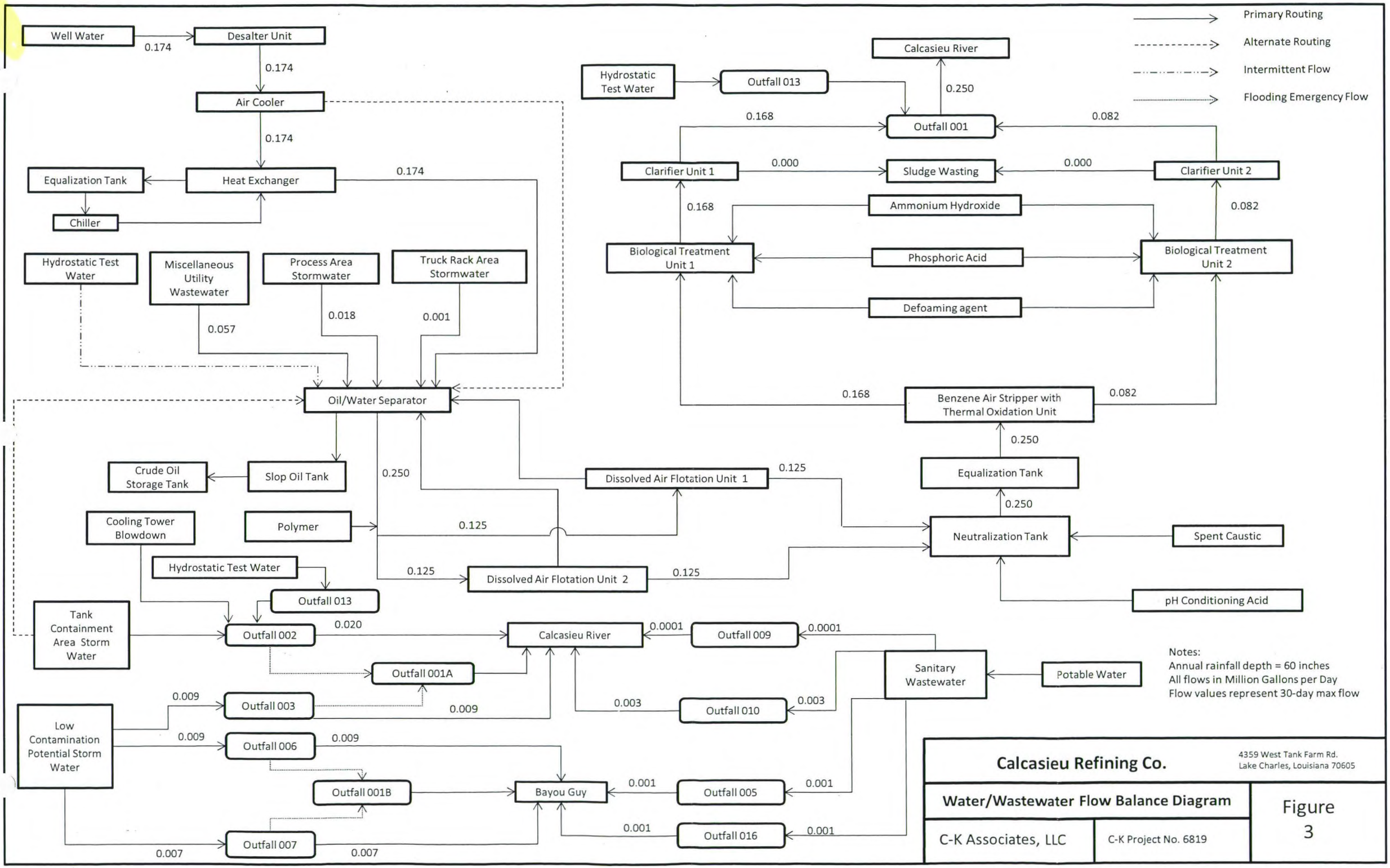
# FIGURE 2

# FACILITY PLOT PLAN


Calcasieu River
160' 80' 0 80' 160'
SCALE: 1" = 80'
001A
001
002
001B
003
004
005 (SS)
006
007
008
009 (SS)
010 (SS)
011
012
014
015
016 (SS)
LESS THAN 90-DAY HAZARDOUS WASTE STORAGE
LEGEND
007 OUTFALL LOCATION
OUTFALL 001 DRAINAGE AREA
OUTFALL 002 DRAINAGE AREA
OUTFALL 003 DRAINAGE AREA
OUTFALL 004 DRAINAGE AREA
OUTFALL 006 DRAINAGE AREA
OUTFALL 007 DRAINAGE AREA
OUTFALL 008 DRAINAGE AREA
OUTFALL 011 DRAINAGE AREA
OUTFALL 012 DRAINAGE AREA
OUTFALL 014 DRAINAGE AREA
OUTFALL 015 DRAINAGE AREA
NOTES
COORDINATES ARE IN UTM83 ZONE 15, METERS.
ADDITIONAL PORTIONS OF PROPERTY DISCHARGE STORM WATER ASSOCIATED WITH INDUSTRIAL ACTIVITY VIA SHEET FLOW OR DISCHARGE STORM WATER THAT IS NOT ASSOCIATED WITH INDUSTRIAL ACTIVITY.
(SS) = SANITARY SEWER
CALCASIEU REFINING COMPANY
LAKE CHARLES, LOUISIANA
LPDES PERMIT
FACILITY SITE PLAN
CALCASIEU PARISH
C-K ASSOCIATES, LLC
ENVIRONMENTAL & ENGINEERING CONSULTANTS
Drawn: CAL/ACAD
Checked:
Approved:
Date: 10/3/11
Dwg. No.: D6819-01
FIGURE 2

# FIGURE 3

# WATER/WASTEWATER
# FLOW BALANCE DIAGRAM


Primary Routing
Alternate Routing
Intermittent Flow
Flooding Emergency Flow
Well Water
0.174
Desalter Unit
0.174
Air Cooler
0.174
Equalization Tank
Heat Exchanger
0.174
Chiller
Hydrostatic Test Water
Miscellaneous Utility Wastewater
Process Area Stormwater
Truck Rack Area Stormwater
0.057
0.018
0.001
Oil/Water Separator
Crude Oil Storage Tank
Slop Oil Tank
0.250
Cooling Tower Blowdown
Polymer
0.125
Hydrostatic Test Water
Outfall 013
0.125
Dissolved Air Flotation Unit 2
Tank Containment Area Storm Water
Outfall 002
0.020
Outfall 001A
Low Contamination Potential Storm Water
0.009
Outfall 003
0.009
Outfall 006
0.009
Outfall 001B
0.007
Outfall 007
0.007
Dissolved Air Flotation Unit 1
0.125
Bayou Guy
0.001
Outfall 005
0.001
0.001
Outfall 016
0.001
Calcasieu River
0.0001
Outfall 009
0.0001
0.003
Outfall 010
0.003
Hydrostatic Test Water
Outfall 013
Calcasieu River
0.250
0.168
Outfall 001
0.082
Clarifier Unit 1
0.000
Sludge Wasting
0.000
Clarifier Unit 2
0.168
Ammonium Hydroxide
0.082
Biological Treatment Unit 1
Phosphoric Acid
Biological Treatment Unit 2
Defoaming agent
0.168
Benzene Air Stripper with Thermal Oxidation Unit
0.082
0.250
Equalization Tank
0.250
Neutralization Tank
Spent Caustic
pH Conditioning Acid
Sanitary Wastewater
Potable Water
Notes:
Annual rainfall depth = 60 inches
All flows in Million Gallons per Day
Flow values represent 30-day max flow
Calcasieu Refining Co.
4359 West Tank Farm Rd.
Lake Charles, Louisiana 70605
Water/Wastewater Flow Balance Diagram
C-K Associates, LLC
C-K Project No. 6819
Figure 3

# APPENDICES

# APPENDIX A

# EPA APPLICATION FORM 1

Please print or type in the unshaded areas only
*(fill-in areas spaced for elite type, i.e., 12 characters inch).*

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

FORM 1 GENERAL

# EPA

U.S. ENVIRONMENTAL PROTECTION AGENCY
## GENERAL INFORMATION
*Consolidated Permits Program*
*(Read the "General Instructions" before starting.)*

**1. EPA I.D. NUMBER**

| % | | T/A | C |
|---|---|---|---|
| F | LAD099393225 | | D |
| 1 | 2 — 13 | 14 | 15 |

| LABEL ITEMS | PLEASE PLACE LABEL IN THIS SPACE |
|---|---|
| I. EPA I.D. NUMBER | |
| III. FACILITY NAME | |
| V. FACILITY MAILING ADDRESS | |
| VI. FACILITY LOCATION | |

### GENERAL INSTRUCTIONS

If a preprinted label has been provided, affix it in the designated space. Review the information carefully; if any of its is incorrect, cross through it and enter the correct data in the appropriate fill-in area below. Also, if any of the preprinted data is absent *(the area to the left of the label space lists the information that should appear)*, please provide it in the proper fill-in area(s) below. If the label is complete and correct you need not complete Items I, III, V, and VI *(except VI-B which must be completed regardless)*. Complete all items if no label has been provided. Refer to the instructions for detailed item descriptions and for the legal authorizations under which this data is collected.

## 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" YES | NO | FORM ATTACHED | SPECIFIC QUESTIONS | MARK "X" YES | NO | FORM ATTACHED |
|---|---|---|---|---|---|---|---|
| A. Is this facility a publicly owned treatment works which results in a discharge to waters of the U.S.? (FORM 2A) | | X | | 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) | | X | |
| | 16 | | 18 | | | | |
| 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) | X | | 2C,2F | 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) | | X | |
| | 22 | | 24 | | | | |
| E. Does or will this facility treat, store, or dispose of hazardous wastes? (FORM 3) | X | | | F. Do you or will you inject at this facility industrial or municipal effluent below the lowermost stratum containing, within one quarter mile of the well bore, underground sources of drinking water? (FORM 4) | | X | |
| | 28 | | 30 | | | | |
| G. Do you or will you inject at this facility any produced water or other 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 for storage of liquid hydrocarbons? (FORM 4) | | X | | H. Do you or will you inject at this facility fluids for special processes such as mining of sulfur by the Frasch process, solution mining of minerals, in situ combustion of fossil fuel, or recovery of geothermal energy? (FORM 4) | | X | |
| | 34 | | 36 | | | | |
| 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) | | X | | 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) | | X | |
| | 40 | 41 | 42 | | 43 | 44 | 45 |

## III. NAME OF FACILITY

| c | SKIP | Calcasieu Refining Company |
|---|---|---|
| 1 | | |
| 15 | 16 — 29 | 30 — 69 |

## IV. FACILITY CONTACT

| A. NAME & TITLE *(last, first, & title)* | B. PHONE *(area code & no.)* | | |
|---|---|---|---|
| c 2 Don Johnson, HSE Manager | 337 | 480 | 6637 |
| 15 — 16 — 45 | 46 — 48 | 49 — 51 | 52 — 55 |

## V. FACILITY MAILING ADDRESS

**A. STREET OR P.O. BOX**

| c | 4359 West Tank Farm Road |
|---|---|
| 3 | |
| 15 — 16 | 45 |

| B. CITY OR TOWN | C. STATE | D. ZIP CODE |
|---|---|---|
| c 4 Lake Charles | LA | 70605 |
| 13 — 16 — 40 | 41 — 42 | 47 — 51 |

## VI. FACILITY LOCATION

**A. STREET, ROUTE NO. OR OTHER SPECIFIC IDENTIFIER**

| c | 4359 West Tank Farm Road |
|---|---|
| 5 | |
| 15 — 16 | 45 |

**B. COUNTY NAME**

Calcasieu

– 70

| C. CITY OR TOWN | D. STATE | E. ZIP CODE | F. COUNTY CODE *(if known)* |
|---|---|---|---|
| c 6 Lake Charles | LA | 70605 | 10 |
| 15 — 16 — 40 | 41 — 42 | 47 — 51 | 52 — 54 |

CONTINUED FROM THE FRONT

## VII. SIC CODES (4-digit, in order of priority)

| A. FIRST | B. SECOND |
|---|---|
| 2911 (specify) Petroleum Refining | (specify) |
| **C. THIRD** | **D. FOURTH** |
| (specify) | (specify) |

## VIII. OPERATOR INFORMATION

**A. NAME:** Calcasieu Refining Company

**B. Is the name listed in Item VIII-A also the owner?** ☒ YES ☐ NO

**C. STATUS OF OPERATOR** (Enter the appropriate letter into the answer box; if "Other", specify.)
F = FEDERAL M = PUBLIC (other than federal or state) S = STATE O = OTHER (specify) P = PRIVATE

P (specify) Private

**D. PHONE** (area code & no.): 337 – 480 – 6637

**E. STREET OR P.O. BOX:** 4359 West Tank Farm Road

| F. CITY OR TOWN | G. STATE | H. ZIP CODE | IX. INDIAN LAND |
|---|---|---|---|
| Lake Charles | LA | 70605 | Is the facility located on Indian lands? ☐ Yes ☒ No |

## X. EXISTING ENVIRONMENTAL PERMITS

| | | |
|---|---|---|
| A. NPDES (Discharges to Surface Water): LA0052370 | D. PSD (Air Emissions from Proposed Sources): 0520-00050-V9 | Title V Air Permit |
| B. UIC (Underground Injection of Fluids): | E. OTHER (specify): LAR05P176 | (specify) Multi-Sector General Permit |
| C. RCRA (Hazardous Wastes): | E. OTHER (specify): LAG533323, LAG670081 | (specify) Sanitary Master General Permit; LPDES General Permit to discharge Hydrostatic Test Waters |

## XI. MAP

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.

## XII. NATURE OF BUSINESS (provide a brief description)

The Calcasieu Refinery operates a petroleum refinery. The facility processes approximately 83,000 barrels per day of crude oil. Major products include various petroleum fractions, liquefied petroleum gas, naphtha, kerosene, diesel, reduced crude (tower bottoms), mineral spirits, and gas oil.

## XIII. CERTIFICATION (see instructions)

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.

| A. NAME & OFFICIAL TITLE (type or print) | B. SIGNATURE | C. DATE SIGNED |
|---|---|---|
| Russ Wilmon, President and CEO | Russ Wilmon | 12/1/2011 |

**COMMENTS FOR OFFICIAL USE ONLY**

# APPENDIX B

# EPA APPLICATION FORM 2C

Please print or type in the unshaded areas only.

**EPA I.D. NUMBER** *(copy from Item 1 of Form 1)*
**LAD099393225**

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

**FORM 2C NPDES**

# EPA

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

## I. OUTFALL LOCATION

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

| A. OUTFALL NUMBER *(list)* | B. LATITUDE | | | C. LONGITUDE | | | D. RECEIVING WATER *(name)* |
|---|---|---|---|---|---|---|---|
| | 1. DEG. | 2. MIN. | 3. SEC. | 1. DEG. | 2. MIN. | 3. SEC. | |
| 001 | 30 | 08 | 04 | 93 | 19 | 17 | Calcasieu River |
| 005 | 30 | 07 | 58 | 93 | 19 | 13 | Calcasieu River |
| 009 | 30 | 08 | 07 | 93 | 19 | 19 | Calcasieu River |
| 010 | 30 | 08 | 09 | 93 | 19 | 00 | Calcasieu River |
| 013 | | | | | | | Calcasieu River |
| 016 | 30 | 07 | 56 | 93 | 19 | 09 | Calcasieu 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.

**See Figure 3**

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

| 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 | |
| | | (1) | (2) | | | |
| 001 | Process Wastewater | 0.174 | MGD | Oil/Water Separation | 1-H | |
| | Process Area Stormwater | 0.018 | MGD | Flotation | 1-H | |
| | Truck Rack Area Storm Water | 0.001 | MGD | Neutralization | 2-K | |
| | Utility Wastewater | 0.057 | MGD | Gas Phase Stripping | 1-K | |
| | Hydrostatic Test Water | 0.000 | MGD | Activated Sludge | 3-A | |
| | | | | Sedimentation | 1-U | |
| 005 | Sanitary Wastewater | 0.001 | MGD | Discharge to Surface Water | 4-A | |
| | | | | Activated Sludge | 3-A | |
| | | | | Sedimentation | 1-U | |
| | | | | Chlorine Disinfection | 2-F | |
| 009 | Sanitary Wastewater | 0.0001 | MGD | Discharge to Surface Water | 4-A | |
| | | | | Activated Sludge | 3-A | |
| | | | | Sedimentation | 1-U | |
| | | | | Chlorine Disinfection | 2-F | |
| | | | | Discharge to Surface Water | 4-A | |
| 010 | Sanitary Wastewater | 0.003 | MGD | | | |
| | | | | Activated Sludge | 3-A | |
| | | | | Sedimentation | 1-U | |
| | | | | Chlorine Disinfection | 2-F | |
| | | | | Discharge to Surface Water | 4-A | |
| 013 | Hydrostatic Test Water | 0.000 | MGD | | | |
| | | | | Discharge to Surface Water | 4-A | |
| 016 | Sanitary Wastewater | 0.001 | MGD | | | |
| | | | | Activated Sludge | 3-A | |
| | | | | Sedimentation | 1-U | |
| | | | | Chlorine Disinfection | 2-F | |
| | | | | Discharge to Surface Water | 4-A | |

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 | | | | |
|---|---|---|---|---|---|---|---|---|
| | | a. DAYS PER WEEK (specify average) | b. MONTHS PER YEAR (specify average) | a. FLOW RATE (in mgd) | | b. TOTAL VOLUME (specify with units) | | c. DURATION (in days) |
| | | | | 1. LONG TERM AVERAGE | 2. MAXIMUM DAILY | 1. LONG TERM AVERAGE | 2. MAXIMUM DAILY | |
| 013 | Hydrostatic test water | 1 | 12 | NA | NA | NA | NA | NA |
| | | | | | | | | |

## 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) | |
| 83 | 1000 Barrels/Day | Atmospheric Crude Distillation | 001 |
| 30 | 1000 Barrels/Day | Vacuum Crude Distillation | 001 |
| 18 | 1000 Gallons/Day | Process Area Storm Water | 001 |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

## 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 Section 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. REQUIRED | b. PROJECTED |
| | | | | | |

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

EPA I.D. NUMBER *(copy from Item 1 of Form 1)*
LAD099393225

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

## 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 |
|---|---|---|---|
| | | | |

## 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)*

**All the parameters listed in Item V-C that are believed to potentially be present in wastewater discharges and/or are required to be tested are included on Form 2C. Dioxin is not believed to be present in wastewater discharges.**

CONTINUED FROM THE FRONT

## 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 Table 4.**

## 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 *(area code & no.)* | D. POLLUTANTS ANALYZED *(list)* |
|---|---|---|---|
| **EASI, LLC** | **2501 Lexington<br>Kenner, LA 70062** | **(504) 469-3685** | **Form 2C Pollutants** |
| **AccuTest/SPL Environmental, LA** | **500 Ambassador Caffery Drive<br>Scott, Louisiana 70583** | **(800) 304-5227** | **Form 2C Pollutants** |
| **C-K Associates, LLC** | **17170 Perkins Road<br>Baton Rouge, LA 70810** | **(225) 755-1000** | **Toxicity** |

## 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 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 *(type or print)* | B. PHONE NO. (area code & no.) |
|---|---|
| **Russ Wilmon, President and CEO** | **(337) 478-2130** |
| C. SIGNATURE Russ Wilmon | D. DATE SIGNED 12/1/2011 |

PLEASE PRINT OR TYPE IN THE UNSHADED AREA 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 I of Form 1)*
LAD099393225

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 a. MAXIMUM DAILY VALUE (1) CONCENTRATION | a. MAXIMUM DAILY VALUE (2) MASS | b. MAXIMUM 30 DAY VALUE *(if available)* (1) CONCENTRATION | b. MAXIMUM 30 DAY VALUE *(if available)* (2) MASS | c. LONG TERM AVRG. VALUE *(if available)* (1) CONCENTRATION | c. LONG TERM AVRG. VALUE *(if available)* (2) MASS | d. NO. OF ANALYSES | 3. UNITS (specify if blank) a. CONCENTRATION | 3. UNITS (specify if blank) b. MASS | 4. INTAKE *(optional)* a. LONG TERM AVERAGE VALUE (1) CONCENTRATION | 4. INTAKE *(optional)* a. LONG TERM AVERAGE VALUE (2) MASS | 4. INTAKE *(optional)* b. NO. OF ANALYSES |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| a. Biochemical Oxygen Demand (BOD) | 150.0 | 309.8 | 44.1 | 79.9 | 16.5 | 25.6 | 208 | mg/L | lbs/day | NA | NA | NA |
| b. Chemical Oxygen Demand (COD) | 1330.0 | 2127.6 | 479.4 | 722.4 | 210.5 | 325.6 | 311 | mg/L | lbs/day | NA | NA | NA |
| c. Total Organic Carbon (TOC) | 27.6 | 57.6 | NA | NA | NA | NA | 1 | mg/L | lbs/day | NA | NA | NA |
| d. Total Suspended Solids (TSS) | 568.0 | 1182.8 | 198.1 | 390.6 | 44.3 | 70.9 | 104 | mg/L | lbs/day | NA | NA | NA |
| e. Ammonia (as N) | 24.6 | 31.8 | 10.5 | 15.9 | 2.49 | 3.79 | 104 | mg/L | lbs/day | NA | NA | NA |
| f. Flow | VALUE 0.306 | | VALUE 0.250 | | VALUE 0.192 | | 881 | MGD | | VALUE NA | | NA |
| g. *Temperature (winter)* | VALUE NA | | VALUE NA | | VALUE NA | | NA | NA | | VALUE NA | | NA |
| h. *Temperature (summer)* | VALUE NA | | VALUE NA | | VALUE NA | | NA | ° C | | VALUE NA | | NA |
| i. pH | MINIMUM 6.9 | MAXIMUM 8.2 | | | | | Cont. | STANDARD UNITS | | | | NA |

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)* | 2. MARK 'X' a. BELIEVED PRESENT | 2. MARK 'X' b. BELIEVED ABSENT | 3. EFFLUENT a. MAXIMUM DAILY VALUE (1) CONCENTRATION | a. MAXIMUM DAILY VALUE (2) MASS | b. MAXIMUM 30 DAY VALUE *(if available)* (1) CONCENTRATION | b. MAXIMUM 30 DAY VALUE *(if available)* (2) MASS | c. LONG TERM AVRG. VALUE *(if available)* (1) CONCENTRATION | c. LONG TERM AVRG. VALUE *(if available)* (2) MASS | d. NO. OF ANALYSES | 4. UNITS a. CONCENTRATION | 4. UNITS b. MASS | 5. INTAKE *(optional)* a. LONG TERM AVERAGE VALUE (1) CONCENTRATION | 5. INTAKE *(optional)* a. LONG TERM AVERAGE VALUE (2) MASS | 5. INTAKE *(optional)* b. NUMBER OF ANALYSES |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| a. Bromide (24959-67-9) | | X | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| b. Chlorine, Total Residual | | X | NA | NA | NA | NA | NA | NA | NA | mg/L | lbs/day | NA | NA | NA |
| c. Color, True | | X | NA | NA | NA | NA | NA | NA | NA | color units | NA | NA | NA | NA |
| d. Fecal Coliform | | X | NA | NA | NA | NA | NA | NA | NA | cfu/100 mls | NA | NA | NA | NA |
| e. Fluoride (16984-48-8) | | X | NA | NA | NA | NA | NA | NA | NA | mg/L | lbs/day | NA | NA | NA |
| f. Nitrate - Nitrite *(as N)* | X | | 1.4 | 2.90 | NA | NA | NA | NA | 1 | mg/L | lbs/day | NA | NA | NA |
| g. Nitrogen, Total Organic *(as N)* | X | | 2.03 | 4.23 | NA | NA | NA | NA | 1 | mg/L | lbs/day | NA | NA | NA |
| h. Oil and Grease | X | | 59.0 | 74.8 | 26.7 | 33.9 | 7.08 | 10.6 | 104 | mg/L | lbs/day | NA | NA | NA |
| i. Phosphorus *(as P)*, Total (7723-14-0) | X | | 4.29 | 8.95 | NA | NA | NA | NA | 1 | mg/L | lbs/day | NA | NA | NA |
| j. Radioactivity (1) Alpha, Total | | X | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| (2) Beta, Total | | X | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| (3) Radium, (228) Total | | X | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |

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|---|---|
| LAD099393225 | 001 |

ITEM V-B CONTINUED FROM FRONT

| 1. POLLUTANT AND CAS NO. *(if available)* | 2. MARK 'X' | | 3. EFFLUENT | | | | | | | 4. UNITS | | 5. INTAKE *(optional)* | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | a. BELIEVED PRESENT | b. BELIEVED ABSENT | a. MAXIMUM DAILY VALUE (1) CONCENTRATION | a. MAXIMUM DAILY VALUE (2) MASS | b. MAXIMUM 30 DAY VALUE *(if available)* (1) CONCENTRATION | b. MAXIMUM 30 DAY VALUE *(if available)* (2) MASS | c. LONG TERM AVRG. VALUE *(if available)* (1) CONCENTRATION | c. LONG TERM AVRG. VALUE *(if available)* (2) MASS | d. NO. OF ANALYSES | a. CONCENTRATION | b. MASS | a. LONG TERM AVERAGE VALUE (1) CONCENTRATION | a. LONG TERM AVERAGE VALUE (2) MASS | b. NUMBER OF ANALYSES |
| (4) Radium 226, Total | | X | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| k. Sulfate *(as $SO_4$)* (14808-79-8) | X | | 1880 | 3922 | NA | NA | NA | NA | 1 | NA | NA | NA | NA | NA |
| l. Sulfide *(as S)* | X | | 0.568 | 0.698 | 0.251 | 0.331 | 0.076 | 0.118 | 104 | mg/L | lbs/day | NA | NA | NA |
| m. Sulfite *(as $SO_3$)* (14265-45-3) | | X | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| n. Surfactants | X | | 2.92 | 6.09 | NA | NA | NA | NA | 1 | NA | NA | NA | NA | NA |
| o. Aluminum, Total (7429-90-5) | | X | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| p. Barium, Total (7440-39-3) | | X | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| q. Boron, Total (7440-42-8) | | X | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| r. Cobalt, Total (7440-48-4) | | X | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| s. Iron, Total (7439-89-6) | | X | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| t. Magnesium, Total (7439-95-4) | | X | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| u. Molybdenum, Total (7439-98-7) | | X | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| v. Manganese, Total (7439-96-5) | | X | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| w. Tin, Total (7440-31-5) | | X | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| x. Titanium, Total (7440-32-6) | | X | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |

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 your 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 privide 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-dinitriphenol, 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 geater. Otherwise, for pollutants for which you mark column 2b, you must either submit at lease one anslysis 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)* | 2. MARK 'X' | | | 3. EFFLUENT | | | | | | | 4. UNITS | | 5. INTAKE *(optional)* | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | a. TESTING REQUIRED | b. BELIEVED PRESENT | c. BELIEVED ABSENT | a. MAXIMUM DAILY VALUE (1) CONCENTRATION | a. MAXIMUM DAILY VALUE (2) MASS | b. MAXIMUM 30 DAY VALUE *(if available)* (1) CONCENTRATION | b. MAXIMUM 30 DAY VALUE *(if available)* (2) MASS | c. LONG TERM AVRG. VALUE *(if available)* (1) CONCENTRATION | c. LONG TERM AVRG. VALUE *(if available)* (2) MASS | d. NO. OF ANALYSES | a. CONCENTRATION | b. MASS | a. LONG TERM AVERAGE VALUE (1) CONCENTRATION | a. LONG TERM AVERAGE VALUE (2) MASS | b. NUMBER OF ANALYSES |
| **METALS, CYANIDE, AND TOTAL PHENOLS** | | | | | | | | | | | | | | | |
| 1M. Antimony, Total (7440-36-0) | | | X | NA | NA | NA | NA | NA | NA | NA | mg/L | lbs/day | NA | NA | NA |
| 2M. Arsenic, Total (7440-38-2) | | X | | 0.0145 | 0.03 | NA | NA | NA | NA | 1 | mg/L | lbs/day | NA | NA | NA |
| 3M. Beryllium, Total (7440-41-7) | | | X | NA | NA | NA | NA | NA | NA | NA | mg/L | lbs/day | NA | NA | NA |
| 4M. Cadmium, Total (7440-43-9) | | | X | NA | NA | NA | NA | NA | NA | NA | mg/L | lbs/day | NA | NA | NA |
| 5M. Chromium, Total (7440-47-3) | X | X | | 0.061 | 0.104 | 0.026 | 0.038 | 0.011 | 0.017 | 104 | mg/L | lbs/day | NA | NA | NA |
| 6M. Copper, Total (7440-50-8) | X | X | | 0.045 | 0.050 | 0.028 | 0.037 | 0.014 | 0.022 | 12 | mg/L | lbs/day | NA | NA | NA |
| 7M. Lead, Total (7439-92-1) | | | X | NA | NA | NA | NA | NA | NA | NA | mg/L | lbs/day | NA | NA | NA |

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| 1. POLLUTANT AND CAS NO. *(if available)* | 2. 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. NUMBER OF ANALYSES |
| | | | | (1) CONCENTRATION | (2) MASS | (1) CONCENTRATION | (2) MASS | (1) CONCENTRATION | (2) MASS | | | | (1) CONCENTRATION | (2) MASS | |
| 8M. Mercury, Total (7439-97-6) | X | X | | 0.036 | 0.035 | 0.012 | 0.014 | 0.0046 | 0.0054 | 12 | mg/L | lbs/day | NA | NA | NA |
| 9M. Nickel, Total (7440-02-0) | | | X | NA | NA | NA | NA | NA | NA | NA | mg/L | lbs/day | NA | NA | NA |
| 10M. Selenium, Total (7782-49-2) | | | X | NA | NA | NA | NA | NA | NA | NA | mg/L | lbs/day | NA | NA | NA |
| 11M. Silver, Total (7440-22-4) | | | X | NA | NA | NA | NA | NA | NA | NA | mg/L | lbs/day | NA | NA | NA |
| 12M. Thallium, Total (7440-28-0) | | | X | NA | NA | NA | NA | NA | NA | NA | mg/L | lbs/day | NA | NA | NA |
| 13M. Zinc, Total (7440-66-6) | | | X | <0.020 | <0.04 | NA | NA | NA | NA | 1 | mg/L | lbs/day | NA | NA | NA |
| 14M. Cyanide, Total (57-12-5) | | | X | <0.010 | <0.021 | NA | NA | NA | NA | 1 | mg/L | lbs/day | NA | NA | NA |
| 15M. Phenols, Total | X | X | | 5.26 | 7.44 | 1.09 | 1.54 | 0.135 | 0.197 | 104 | mg/L | lbs/day | NA | NA | NA |
| **DIOXIN** | | | | | | | | | | | | | | | |
| 2,3,7,8-Tetachloro-dibenzo-P-Dioxin (1764-01-6) | | | X | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| **GC/MS FRACTION - VOLATILE COMPOUNDS** | | | | | | | | | | | | | | | |
| 1V. Acrolein (1076-02-8) | X | | X | <50 | < 0.104 | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 2V. Acrylonitrile (107-13-1) | X | | X | <20 | < 0.042 | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 3V. Benzene (71-43-2) | X | | X | <5 | < 0.010 | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 5V. Bromoform (75-25-2) | X | | X | <5 | < 0.010 | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 6V. Carbon Tetra-chloride (56-23-5) | X | | X | <2 | < 0.004 | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 7V. Chlorobenzene (108-90-7) | X | | X | <5 | < 0.010 | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 8V. Chlorodibromo-methane (124-48-1) | X | | X | <5 | < 0.010 | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 9V. Chloroethane (75-00-3) | X | | X | <10 | < 0.021 | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 10V. 2-Chloroethyl-vinyl Ether (110-75-8) | X | | X | <10 | < 0.021 | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 11V. Chloroform (67-66-3) | X | | X | <5 | < 0.010 | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 12V. Dichlorobromo-methane (75-27-4) | X | | X | <5 | < 0.010 | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 14V. 1,1-Dichloro-ethane (75-34-3) | X | | X | <5 | < 0.010 | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 15V. 1,2-Dichloro-ethane (107-06-2) | X | | X | <5 | < 0.010 | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 16V. 1,1-Dichloro-ethylene (75-35-4) | X | | X | <5 | < 0.010 | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 17V. 1,2-Dichloro-propane (78-87-5) | X | | X | <5 | < 0.010 | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 18V. 1,3-Dichloro-propylene (542-75-6) | X | | X | <5 | < 0.010 | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 19V. Ethylbenzene (100-41-4) | X | | X | <5 | < 0.010 | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |



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ITEM V-C CONTINUED

| 1. POLLUTANT AND CAS NO. *(if available)* | 2. 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. NUMBER OF ANALYSES |
| | | | | (1) CONCENTRATION | (2) MASS | (1) CONCENTRATION | (2) MASS | (1) CONCENTRATION | (2) MASS | | | | (1) CONCENTRATION | (2) MASS | |
| 20V. Methyl Bromide (74-83-9) | X | | X | <10 | < 0.021 | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 21V. Methyl Chloride (74-87-3) | X | | X | <10 | < 0.021 | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 22V. Methylene Chloride (75-09-2) | X | | X | <5 | < 0.010 | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 23V. 1,1,2,2-Tetrachloroethane (79-34-5) | X | | X | <5 | < 0.010 | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| Tetrachloroethylene (127-18-4) | X | | X | <5 | < 0.010 | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 25V. Toluene (108-88-3) | X | | X | <5 | < 0.010 | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 26V. 1,2-Trans-dichloroethylene (156-60-5) | X | | X | <5 | < 0.010 | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 27V. 1,1,1-Trichloroethane (71-55-6) | X | | X | <5 | < 0.010 | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 28V. 1,1,2-Trichloroethane (79-00-5) | X | | X | <5 | < 0.010 | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 29V. Trichloroethylene (79-01-6) | X | | X | <5 | < 0.010 | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 31V. Vinyl Chloride (75-01-4) | X | | X | <10 | < 0.021 | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| **GC/MS FRACTION - ACID COMPOUNDS** | | | | | | | | | | | | | | | |
| 1A. 2-Chlorophenol (95-57-8) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 2A. 2,4-Dichlorophenol (120-83-2) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 3A. 2,4-Dimethylphenol (105-67-9) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 4A. 4,6-Dinitro-O-Cresol (534-52-1) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 5A. 2,4-Dinitrophenol (51-28-5) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 6A. 2-Nitrophenol (88-75-5) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 7A. 4-Nitrophenol (100-02-7) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 8A. P-Chloro-M Cresol (59-50-7) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 9A. Pentachlorophenol (87-86-5) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 10A. Phenol (108-95-2) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 11A. 2,4,6-Trichlorophenol (88-06-2) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| **GC/MS FRACTION - BASE/NEUTRAL COMPOUNDS** | | | | | | | | | | | | | | | |
| 1B. Acenaphthene (83-32-9) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 2B. Acenaphtylene (208-96-8) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 3B. Anthracene (120-12-7) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 4B. Benzidine (92-87-5) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 5B. Benzo(a)Anthracene (56-55-3) | | X | | 0.020 | 0.043 | 0.020 | 0.043 | 0.0061 | 0.011 | 8 | mg/L | lbs/day | NA | NA | NA |
| 6B. Benzo(a)Pyrene (50-32-8) | | X | | 0.020 | 0.043 | 0.020 | 0.043 | 0.0084 | 0.014 | 8 | mg/L | lbs/day | NA | NA | NA |



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ITEM V-C CONTINUED

| 1. POLLUTANT AND CAS NO. *(if available)* | 2. 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. NUMBER OF ANALYSES |
| | | | | (1) CONCENTRATION | (2) MASS | (1) CONCENTRATION | (2) MASS | (1) CONCENTRATION | (2) MASS | | | | (1) CONCENTRATION | (2) MASS | |
| 7B. 3,4-Benzofluoranthene (205-99-2) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 8B. Benzo(ghi)Perylene (191-24-2) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 9B. Benzo(k)Fluoranthene (207-08-9) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 10B. Bis(2-Chloroethoxy)Methane (111-91-1) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 11B. Bis(2-chloroethyl)Ether (111-44-4) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 12B. Bis(2-Chloroisopropyl)Ether (102-60-1) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 13B. Bis(2-Ethylhexyl)-Phthalate (117-81-7) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 14B. 4-Bromophenyl Phenyl Ether (101-55-3) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 15B. Butyl Benzyl Phthalate (85-68-7) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 16B. 2-Chloronaphthalene (91-58-7) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 17B. 4-Chlorophenyl Phenyl Ether (7005-72-3) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 18B. Chrysene (218-01-9) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 19B. Dibenzo (a,h) Anthracene (53-70-3) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 20B. 1,2-Dichlorobenzene (95-50-1) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 21B. 1,3-Dichlorobenzene (541-73-1) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 22B. 1,4-Dichlorobenzene (106-46-7) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 23B. 3,3-Dichlorobenzidine (91-94-1) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 24B. Diethyl Phthalate (84-66-2) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 25B. Dimethyl Phthalate (131-11-3) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 26B. Di-N-Butyl Phthalate (84-74-2) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 27B. 2,4-Dinitrotoluene (121-14-2) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 28B. 2,6-Dinitrotoluene (606-20-2) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 29B. Di-N-Octyl Phthalate (117-84-0) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 30B. 1,2-Diphenylhydrazine *(as Azobenzene)* (122-66-7) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 31B. Fluoranthene (206-44-0) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 32B. Fluorene (86-73-7) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 33B. Hexachlorobenzene (118-74-1) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 34B. Hexachlorobutadiene (87-68-3) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |



CONTINUED ON NEXT PAGE

EPA I.D. NUMBER *(copy from Item I of Form 1)*: LAD099393225

OUTFALL NO.: 001

ITEM V-C CONTINUED

| 1. POLLUTANT AND CAS NO. *(if available)* | 2. 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. NUMBER OF ANALYSES |
| | | | | (1) CONCENTRATION | (2) MASS | (1) CONCENTRATION | (2) MASS | (1) CONCENTRATION | (2) MASS | | | | (1) CONCENTRATION | (2) MASS | |
| 35B. Hexachlorocyclopentadiene (77-47-4) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 36B. Hexachloroethane (67-72-1) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 37B. Indeno *(1,2,3-cd)* Pyrene (193-39-5) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 38B. Isophorone (78-59-1) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 39B. Naphthalene (91-20-3) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 40B. Nitrobenzene (98-95-3) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 41B. N-Nitrosodimethylamine (62-75-9) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 42B. N-Nitrosodi-N-Propylamine (621-64-7) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 43B. N-Nitrosodiphenylamine (86-30-6) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 44B. Phenanthrene (85-01-8) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 45B. Pyrene (129-00-0) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 46B. 1,2,4-Trichlorobenzene (120-82-1) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| **GC/MS FRACTION - PESTICIDES** | | | | | | | | | | | | | | | |
| 1P. Aldrin (309-00-2) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 2P. ALPHA-BHC (319-84-6) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 3P. BETA-BHC (319-85-7) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 4P. DELTA-BHC (58-89-9) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 5P. GAMMA-BHC (319-86-8) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 6P. Chlordane (57-74-9) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 7P. 4,4'-DDT (50-29-3) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 8P. 4,4'-DDE (72-55-9) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 9P. 4,4'-DDD (72-54-8) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 10P. Dieldrin (60-57-1) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 11P. ALPHA-Endosulfan I (115-29-7) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 12P. BETA-Endosulfan II (115-29-7) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 13P. Endosulfan Sulfate (1031-07-8) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 14P. Endrin (72-20-8) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 15P. Endrin Aldehyde (7421-93-4) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 16P. Heptachlor (76-44-8) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |



CONTINUED ON NEXT PAGE

| EPA I.D. NUMBER *(copy from Item I of Form 1)* | OUTFALL NO. |
|---|---|
| LAD099393225 | 001 |

ITEM V-C CONTINUED

| 1. POLLUTANT AND CAS NO. *(If available)* | 2. 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. NUMBER OF ANALYSES |
| | | | | (1) CONCENTRATION | (2) MASS | (1) CONCENTRATION | (2) MASS | (1) CONCENTRATION | (2) MASS | | | | (1) CONCENTRATION | (2) MASS | |
| 17P. Heptachlor Epoxide (1024-57-3) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 18P. PCB-1242 (53469-21-9) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 19P. PCB-1254 (11097-69-1) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 20P. PCB-1221 (11104-28-2) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 21P. PCB-1232 (11141-16-5) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 22P. PCB-1248 (12672-29-6) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 23P. PCB-1260 (11096-82-5) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 24P. PCB-1016 (12674-11-2) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 25P. Toxaphene (8001-35-2) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| **OTHER PARAMETERS** | | | | | | | | | | | | | | | |
| Chromium VI | X | X | | 0.050 | 0.104 | 0.020 | 0.039 | 0.0069 | 0.011 | 104 | mg/L | lbs/day | NA | NA | NA |

NA = Testing not required; not applicable.

Notes:

Historical analytical data is from the period of January 1, 2009 throughMay 31, 2011. In addition, a sampling event was conducted on October 16, 2011.

PLEASE PRINT OR TYPE IN THE UNSHADED AREA 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 I of Form 1)*
LAD099393225

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. 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 a. MAXIMUM DAILY VALUE (1) CONCENTRATION | a. MAXIMUM DAILY VALUE (2) MASS | b. MAXIMUM 30 DAY VALUE (if available) (1) CONCENTRATION | b. MAXIMUM 30 DAY VALUE (if available) (2) MASS | c. LONG TERM AVRG. VALUE (if available) (1) CONCENTRATION | c. LONG TERM AVRG. VALUE (if available) (2) MASS | d. NO. OF ANALYSES | 3. UNITS (specify if blank) a. CONCENTRATION | 3. UNITS (specify if blank) b. MASS | 4. INTAKE (optional) a. LONG TERM AVERAGE VALUE (1) CONCENTRATION | a. LONG TERM AVERAGE VALUE (2) MASS | b. NO. OF ANALYSES |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| a. Biochemical Oxygen Demand (BOD) | 15.0 | 0.13 | 15.0 | 0.13 | 7.8 | 0.065 | 4 | mg/L | lbs/day | NA | NA | NA |
| b. Chemical Oxygen Demand (COD) | NA | NA | NA | NA | NA | NA | NA | mg/L | lbs/day | NA | NA | NA |
| c. Total Organic Carbon (TOC) | NA | NA | NA | NA | NA | NA | NA | mg/L | lbs/day | NA | NA | NA |
| d. Total Suspended Solids (TSS) | 41.0 | 0.34 | 41.0 | 0.34 | 28.0 | 0.23 | 4 | mg/L | lbs/day | NA | NA | NA |
| e. Ammonia (as N) | | NA | NA | NA | NA | NA | NA | mg/L | lbs/day | NA | NA | NA |
| f. Flow | VALUE 0.001 | | VALUE 0.001 | | VALUE 0.001 | | 822 | MGD | | VALUE NA | | NA |
| g. *Temperature (winter)* | VALUE NA | | VALUE NA | | VALUE NA | | NA | ° C | | VALUE NA | | NA |
| h. *Temperature (summer)* | VALUE NA | | VALUE NA | | VALUE NA | | NA | ° C | | VALUE NA | | NA |
| i. pH | MINIMUM 7.4 | MAXIMUM 7.8 | MINIMUM NA | MAXIMUM NA | | | 4 | STANDARD UNITS | | | | NA |

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)* | 2. MARK 'X' a. BELIEVED PRESENT | 2. MARK 'X' b. BELIEVED ABSENT | 3. EFFLUENT a. MAXIMUM DAILY VALUE (1) CONCENTRATION | a. MAXIMUM DAILY VALUE (2) MASS | b. MAXIMUM 30 DAY VALUE (if available) (1) CONCENTRATION | b. MAXIMUM 30 DAY VALUE (if available) (2) MASS | c. LONG TERM AVRG. VALUE (if available) (1) CONCENTRATION | c. LONG TERM AVRG. VALUE (if available) (2) MASS | d. NO. OF ANALYSES | 4. UNITS a. CONCENTRATION | 4. UNITS b. MASS | 5. INTAKE (optional) a. LONG TERM AVERAGE VALUE (1) CONCENTRATION | a. LONG TERM AVERAGE VALUE (2) MASS | b. NUMBER OF ANALYSES |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| a. Bromide (24959-67-9) | | X | NA | NA | NA | NA | NA | NA | NA | mg/L | lbs/day | NA | NA | NA |
| b. Chlorine, Total Residual | | X | NA | NA | NA | NA | NA | NA | NA | mg/L | lbs/day | NA | NA | NA |
| c. Color, True | | X | NA | NA | NA | NA | NA | NA | NA | color units | NA | NA | NA | NA |
| d. Fecal Coliform | X | | 4.0 | NA | 4.0 | NA | 1.8 | NA | 4 | cfu/100 mL | NA | NA | NA | NA |
| e. Fluoride (16984-48-8) | | X | NA | NA | NA | NA | NA | NA | NA | mg/L | lbs/day | NA | NA | NA |
| f. Nitrate - Nitrite *(as N)* | | X | NA | NA | NA | NA | NA | NA | NA | mg/L | lbs/day | NA | NA | NA |
| g. Nitrogen, Total Organic *(as N)* | | X | NA | NA | NA | NA | NA | NA | NA | mg/L | lbs/day | NA | NA | NA |
| h. Oil and Grease | | X | NA | NA | NA | NA | NA | NA | NA | mg/L | lbs/day | NA | NA | NA |
| i. Phosphorus *(as P)*, Total (7723-14-0) | | X | NA | NA | NA | NA | NA | NA | NA | mg/L | lbs/day | NA | NA | NA |
| j. Radioactivity (1) Alpha, Total | | X | NA | NA | NA | NA | NA | NA | NA | mg/L | lbs/day | NA | NA | NA |
| (2) Beta, Total | | X | NA | NA | NA | NA | NA | NA | NA | mg/L | lbs/day | NA | NA | NA |
| (3) Radium, (228) Total | | X | NA | NA | NA | NA | NA | NA | NA | mg/L | lbs/day | NA | NA | NA |


CONTINUED ON NEXT PAGE

EPA I.D. NUMBER *(copy from Item I of Form 1)*: LAD099393225

OUTFALL NO.: 005

ITEM V-B CONTINUED FROM FRONT

| 1. POLLUTANT AND CAS NO. *(if available)* | 2. MARK 'X' | | 3. EFFLUENT | | | | | | | 4. UNITS | | 5. INTAKE *(optional)* | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | a. BELIEVED PRESENT | b. BELIEVED ABSENT | a. MAXIMUM DAILY VALUE (1) CONCENTRATION | a. MAXIMUM DAILY VALUE (2) MASS | b. MAXIMUM 30 DAY VALUE *(if available)* (1) CONCENTRATION | b. MAXIMUM 30 DAY VALUE *(if available)* (2) MASS | c. LONG TERM AVRG. VALUE *(if available)* (1) CONCENTRATION | c. LONG TERM AVRG. VALUE *(if available)* (2) MASS | d. NO. OF ANALYSES | a. CONCENTRATION | b. MASS | a. LONG TERM AVERAGE VALUE (1) CONCENTRATION | a. LONG TERM AVERAGE VALUE (2) MASS | b. NUMBER OF ANALYSES |
| (4) Radium 226, Total | | X | NA | NA | NA | NA | NA | NA | NA | mg/L | lbs/day | NA | NA | NA |
| k. Sulfate *(as $SO_4$)* (14808-79-8) | | X | NA | NA | NA | NA | NA | NA | NA | mg/L | lbs/day | NA | NA | NA |
| l. Sulfide *(as S)* | | X | NA | NA | NA | NA | NA | NA | NA | mg/L | lbs/day | NA | NA | NA |
| m. Sulfite *(as $SO_3$)* (14265-45-3) | | X | NA | NA | NA | NA | NA | NA | NA | mg/L | lbs/day | NA | NA | NA |
| n. Surfactants | | X | NA | NA | NA | NA | NA | NA | NA | mg/L | lbs/day | NA | NA | NA |
| o. Aluminum, Total (7429-90-5) | | X | NA | NA | NA | NA | NA | NA | NA | mg/L | lbs/day | NA | NA | NA |
| p. Barium, Total (7440-39-3) | | X | NA | NA | NA | NA | NA | NA | NA | mg/L | lbs/day | NA | NA | NA |
| q. Boron, Total (7440-42-8) | | X | NA | NA | NA | NA | NA | NA | NA | mg/L | lbs/day | NA | NA | NA |
| r. Cobalt, Total (7440-48-4) | | X | NA | NA | NA | NA | NA | NA | NA | mg/L | lbs/day | NA | NA | NA |
| s. Iron, Total (7439-89-6) | | X | NA | NA | NA | NA | NA | NA | NA | mg/L | lbs/day | NA | NA | NA |
| t. Magnesium, Total (7439-95-4) | | X | NA | NA | NA | NA | NA | NA | NA | mg/L | lbs/day | NA | NA | NA |
| u. Molybdenum, Total (7439-98-7) | | X | NA | NA | NA | NA | NA | NA | NA | mg/L | lbs/day | NA | NA | NA |
| v. Manganese, Total (7439-96-5) | | X | NA | NA | NA | NA | NA | NA | NA | mg/L | lbs/day | NA | NA | NA |
| w. Tin, Total (7440-31-5) | | X | NA | NA | NA | NA | NA | NA | NA | mg/L | lbs/day | NA | NA | NA |
| x. Titanium, Total (7440-32-6) | | X | NA | NA | NA | NA | NA | NA | NA | mg/L | lbs/day | NA | NA | NA |

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 your 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 privide 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-dinitriphenol, 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 geater. Otherwise, for pollutants for which you mark column 2b, you must either submit at lease one anslysis 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)* | 2. MARK 'X' | | | 3. EFFLUENT | | | | | | | 4. UNITS | | 5. INTAKE *(optional)* | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | a. TESTING REQUIRED | b. BELIEVED PRESENT | c. BELIEVED ABSENT | a. MAXIMUM DAILY VALUE (1) CONCENTRATION | a. MAXIMUM DAILY VALUE (2) MASS | b. MAXIMUM 30 DAY VALUE *(if available)* (1) CONCENTRATION | b. MAXIMUM 30 DAY VALUE *(if available)* (2) MASS | c. LONG TERM AVRG. VALUE *(if available)* (1) CONCENTRATION | c. LONG TERM AVRG. VALUE *(if available)* (2) MASS | d. NO. OF ANALYSES | a. CONCENTRATION | b. MASS | a. LONG TERM AVERAGE VALUE (1) CONCENTRATION | a. LONG TERM AVERAGE VALUE (2) MASS | b. NUMBER OF ANALYSES |
| **METALS, CYANIDE, AND TOTAL PHENOLS** | | | | | | | | | | | | | | | |
| 1M. Antimony, Total (7440-36-0) | | | X | NA | NA | NA | NA | NA | NA | NA | mg/L | lbs/day | NA | NA | NA |
| 2M. Arsenic, Total (7440-38-2) | | | X | NA | NA | NA | NA | NA | NA | NA | mg/L | lbs/day | NA | NA | NA |
| 3M. Beryllium, Total (7440-41-7) | | | X | NA | NA | NA | NA | NA | NA | NA | mg/L | lbs/day | NA | NA | NA |
| 4M. Cadmium, Total (7440-43-9) | | | X | NA | NA | NA | NA | NA | NA | NA | mg/L | lbs/day | NA | NA | NA |
| 5M. Chromium, Total (7440-47-3) | | | X | NA | NA | NA | NA | NA | NA | NA | mg/L | lbs/day | NA | NA | NA |
| 6M. Copper, Total (7440-50-8) | | | X | NA | NA | NA | NA | NA | NA | NA | mg/L | lbs/day | NA | NA | NA |
| 7M. Lead, Total (7439-92-1) | | | X | NA | NA | NA | NA | NA | NA | NA | mg/L | lbs/day | NA | NA | NA |

EPA I.D. NUMBER *(copy from Item I of Form 1)*: LAD099393225

OUTFALL NO.: 005

ITEM V-C CONTINUED

| 1. POLLUTANT AND CAS NO. *(if available)* | 2. 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. NUMBER OF ANALYSES |
| | | | | (1) CONCENTRATION | (2) MASS | (1) CONCENTRATION | (2) MASS | (1) CONCENTRATION | (2) MASS | | | | (1) CONCENTRATION | (2) MASS | |
| 8M. Mercury, Total (7439-97-6) | | | X | NA | NA | NA | NA | NA | NA | NA | mg/L | lbs/day | NA | NA | NA |
| 9M. Nickel, Total (7440-02-0) | | | X | NA | NA | NA | NA | NA | NA | NA | mg/L | lbs/day | NA | NA | NA |
| 10M. Selenium, Total (7782-49-2) | | | X | NA | NA | NA | NA | NA | NA | NA | mg/L | lbs/day | NA | NA | NA |
| 11M. Silver, Total (7440-22-4) | | | X | NA | NA | NA | NA | NA | NA | NA | mg/L | lbs/day | NA | NA | NA |
| 12M. Thallium, Total (7440-28-0) | | | X | NA | NA | NA | NA | NA | NA | NA | mg/L | lbs/day | NA | NA | NA |
| 13M. Zinc, Total (7440-66-6) | | | X | NA | NA | NA | NA | NA | NA | NA | mg/L | lbs/day | NA | NA | NA |
| 14M. Cyanide, Total (57-12-5) | | | X | NA | NA | NA | NA | NA | NA | NA | mg/L | lbs/day | NA | NA | NA |
| 15M. Phenols, Total | | | X | NA | NA | NA | NA | NA | NA | NA | mg/L | lbs/day | NA | NA | NA |
| **DIOXIN** | | | | | | | | | | | | | | | |
| 2,3,7,8-Tetachloro-dibenzo-P-Dioxin (1764-01-6) | | | X | NA | NA | NA | NA | NA | NA | NA | mg/L | lbs/day | NA | NA | NA |
| **GC/MS FRACTION - VOLATILE COMPOUNDS** | | | | | | | | | | | | | | | |
| 1V. Acrolein (1076-02-8) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 2V. Acrylonitrile (107-13-1) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 3V. Benzene (71-43-2) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 5V. Bromoform (75-25-2) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 6V. Carbon Tetra-chloride (56-23-5) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 7V. Chlorobenzene (108-90-7) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 8V. Chlorodibromo-methane (124-48-1) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 9V. Chloroethane (75-00-3) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 10V. 2-Chloroethyl-vinyl Ether (110-75-8) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 11V. Chloroform (67-66-3) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 12V. Dichlorobromo-methane (75-27-4) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 14V. 1,1-Dichloro-ethane (75-34-3) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 15V. 1,2-Dichloro-ethane (107-06-2) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 16V. 1,1-Dichloro-ethylene (75-35-4) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 17V. 1,2-Dichloro-propane (78-87-5) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 18V. 1,3-Dichloro-propylene (542-75-6) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 19V. Ethylbenzene (100-41-4) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |



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EPA I.D. NUMBER *(copy from Item I of Form 1)*: LAD099393225

OUTFALL NO.: 005

ITEM V-C CONTINUED

| 1. POLLUTANT AND CAS NO. *(if available)* | 2. 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. NUMBER OF ANALYSES |
| | | | | (1) CONCENTRATION | (2) MASS | (1) CONCENTRATION | (2) MASS | (1) CONCENTRATION | (2) MASS | | | | (1) CONCENTRATION | (2) MASS | |
| 20V. Methyl Bromide (74-83-9) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 21V. Methyl Chloride (74-87-3) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 22V. Methylene Chloride (75-09-2) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 23V. 1,1,2,2-Tetrachloroethane (79-34-5) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| Tetrachloroethylene (127-18-4) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 25V. Toluene (108-88-3) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 26V. 1,2-Trans-dichloroethylene (156-60-5) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 27V. 1,1,1-Trichloroethane (71-55-6) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 28V. 1,1,2-Trichloroethane (79-00-5) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 29V. Trichloroethylene (79-01-6) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 31V. Vinyl Chloride (75-01-4) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| **GC/MS FRACTION - ACID COMPOUNDS** | | | | | | | | | | | | | | | |
| 1A. 2-Chlorophenol (95-57-8) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 2A. 2,4-Dichlorophenol (120-83-2) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 3A. 2,4-Dimethylphenol (105-67-9) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 4A. 4,6-Dinitro-O-Cresol (534-52-1) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 5A. 2,4-Dinitrophenol (51-28-5) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 6A. 2-Nitrophenol (88-75-5) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 7A. 4-Nitrophenol (100-02-7) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 8A. P-Chloro-M Cresol (59-50-7) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 9A. Pentachlorophenol (87-86-5) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 10A. Phenol (108-95-2) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 11A. 2,4,6-Trichlorophenol (88-06-2) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| **GC/MS FRACTION - BASE/NEUTRAL COMPOUNDS** | | | | | | | | | | | | | | | |
| 1B. Acenaphthene (83-32-9) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 2B. Acenaphtylene (208-96-8) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 3B. Anthracene (120-12-7) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 4B. Benzidine (92-87-5) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 5B. Benzo(a)Anthracene (56-55-3) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 6B. Benzo(a)Pyrene (50-32-8) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |



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

LAD099393225

OUTFALL NO.

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ITEM V-C CONTINUED

| 1. POLLUTANT AND CAS NO. *(if available)* | 2. 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. NUMBER OF ANALYSES |
| | | | | (1) CONCENTRATION | (2) MASS | (1) CONCENTRATION | (2) MASS | (1) CONCENTRATION | (2) MASS | | | | (1) CONCENTRATION | (2) MASS | |
| 7B. 3,4-Benzofluoranthene (205-99-2) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 8B. Benzo(ghi)Perylene (191-24-2) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 9B. Benzo(k)Fluoranthene (207-08-9) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 10B. Bis(2-Chloroethoxy)Methane (111-91-1) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 11B. Bis(2-chloroethyl)Ether (111-44-4) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 12B. Bis(2-Chloroisopropyl)Ether (102-60-1) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 13B. Bis(2-Ethylhexyl)-Phthalate (117-81-7) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 14B. 4-Bromophenyl Phenyl Ether (101-55-3) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 15B. Butyl Benzyl Phthalate (85-68-7) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 16B. 2-Chloronaphthalene (91-58-7) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 17B. 4-Chlorophenyl Phenyl Ether (7005-72-3) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 18B. Chrysene (218-01-9) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 19B. Dibenzo (a,h) Anthracene (53-70-3) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 20B. 1,2-Dichlorobenzene (95-50-1) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 21B. 1,3-Dichlorobenzene (541-73-1) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 22B. 1,4-Dichlorobenzene (106-46-7) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 23B. 3,3-Dichlorobenzidine (91-94-1) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 24B. Diethyl Phthalate (84-66-2) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 25B. Dimethyl Phthalate (131-11-3) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 26B. Di-N-Butyl Phthalate (84-74-2) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 27B. 2,4-Dinitrotoluene (121-14-2) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 28B. 2,6-Dinitrotoluene (606-20-2) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 29B. Di-N-Octyl Phthalate (117-84-0) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 30B. 1,2-Diphenylhydrazine *(as Azobenzene)* (122-66-7) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 31B. Fluoranthene (206-44-0) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 32B. Fluorene (86-73-7) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 33B. Hexachlorobenzene (118-74-1) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 34B. Hexachlorobutadiene (87-68-3) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |



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EPA I.D. NUMBER *(copy from Item I of Form 1)*: LAD099393225

OUTFALL NO.: 005

ITEM V-C CONTINUED

| 1. POLLUTANT AND CAS NO. *(if available)* | 2. 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. NUMBER OF ANALYSES |
| | | | | (1) CONCENTRATION | (2) MASS | (1) CONCENTRATION | (2) MASS | (1) CONCENTRATION | (2) MASS | | | | (1) CONCENTRATION | (2) MASS | |
| 35B. Hexachlorocyclopentadiene (77-47-4) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 36B. Hexachloroethane (67-72-1) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 37B. Indeno *(1,2,3-cd)* Pyrene (193-39-5) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 38B. Isophorone (78-59-1) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 39B. Naphthalene (91-20-3) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 40B. Nitrobenzene (98-95-3) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 41B. N-Nitrosodimethylamine (62-75-9) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 42B. N-Nitrosodi-N-Propylamine (621-64-7) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 43B. N-Nitrosodiphenylamine (86-30-6) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 44B. Phenanthrene (85-01-8) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 45B. Pyrene (129-00-0) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 46B. 1,2,4-Trichlorobenzene (120-82-1) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| **GC/MS FRACTION - PESTICIDES** | | | | | | | | | | | | | | | |
| 1P. Aldrin (309-00-2) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 2P. ALPHA-BHC (319-84-6) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 3P. BETA-BHC (319-85-7) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 4P. DELTA-BHC (58-89-9) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 5P. GAMMA-BHC (319-86-8) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 6P. Chlordane (57-74-9) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 7P. 4,4'-DDT (50-29-3) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 8P. 4,4'-DDE (72-55-9) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 9P. 4,4'-DDD (72-54-8) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 10P. Dieldrin (60-57-1) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 11P. ALPHA-Endosulfan I (115-29-7) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 12P. BETA-Endosulfan II (115-29-7) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 13P. Endosulfan Sulfate (1031-07-8) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 14P. Endrin (72-20-8) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 15P. Endrin Aldehyde (7421-93-4) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 16P. Heptachlor (76-44-8) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |



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| EPA I.D. NUMBER *(copy from Item I of Form 1)* | OUTFALL NO. |
|---|---|
| LAD099393225 | 005 |

ITEM V-C CONTINUED

| 1. POLLUTANT AND CAS NO. *(If available)* | 2. 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. NUMBER OF ANALYSES |
| | | | | (1) CONCENTRATION | (2) MASS | (1) CONCENTRATION | (2) MASS | (1) CONCENTRATION | (2) MASS | | | | (1) CONCENTRATION | (2) MASS | |
| 17P. Heptachlor Epoxide (1024-57-3) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 18P. PCB-1242 (53469-21-9) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 19P. PCB-1254 (11097-69-1) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 20P. PCB-1221 (11104-28-2) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 21P. PCB-1232 (11141-16-5) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 22P. PCB-1248 (12672-29-6) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 23P. PCB-1260 (11096-82-5) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 24P. PCB-1016 (12674-11-2) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 25P. Toxaphene (8001-35-2) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |

NA = Testing not required; not applicable.

**Notes:**

Historical analytical data is from the period of January 1, 2009 through May 31, 2011. In addition, a sampling event was conducted on October 11, 2011

PLEASE PRINT OR TYPE IN THE UNSHADED AREA 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 I of Form 1)*
LAD099393225

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. 009

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 a. MAXIMUM DAILY VALUE (1) CONCENTRATION | a. MAXIMUM DAILY VALUE (2) MASS | b. MAXIMUM 30 DAY VALUE *(if available)* (1) CONCENTRATION | b. MAXIMUM 30 DAY VALUE *(if available)* (2) MASS | c. LONG TERM AVRG. VALUE *(if available)* (1) CONCENTRATION | c. LONG TERM AVRG. VALUE *(if available)* (2) MASS | d. NO. OF ANALYSES | 3. UNITS (specify if blank) a. CONCENTRATION | 3. UNITS (specify if blank) b. MASS | 4. INTAKE *(optional)* a. LONG TERM AVERAGE VALUE (1) CONCENTRATION | 4. INTAKE *(optional)* a. LONG TERM AVERAGE VALUE (2) MASS | 4. INTAKE *(optional)* b. NO. OF ANALYSES |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| a. Biochemical Oxygen Demand (BOD) | 12.3 | 0.010 | 12.0 | 0.010 | 8.3 | 0.007 | 4 | mg/L | lbs/day | NA | NA | NA |
| b. Chemical Oxygen Demand (COD)[1] | 21.3 | 0.018 | NA | NA | NA | NA | 1 | mg/L | lbs/day | NA | NA | NA |
| c. Total Organic Carbon (TOC)[1] | 4.32 | 0.004 | NA | NA | NA | NA | 1 | mg/L | lbs/day | NA | NA | NA |
| d. Total Suspended Solids (TSS) | 18.0 | 0.015 | 18.0 | 0.015 | 10.9 | 0.009 | 4 | mg/L | lbs/day | NA | NA | NA |
| e. Ammonia (as N)[1] | 11.5 | 0.010 | NA | NA | NA | NA | NA | mg/L | lbs/day | NA | NA | NA |
| f. Flow | VALUE 0.0001 | | VALUE 0.0001 | | VALUE 0.0001 | | 822 | MGD | | VALUE NA | | NA |
| *g. Temperature (winter)* | VALUE NA | | VALUE NA | | VALUE NA | | NA | ° C | | VALUE NA | | NA |
| *h. Temperature (summer)* | VALUE NA | | VALUE NA | | VALUE NA | | NA | ° C | | VALUE NA | | NA |
| i. pH | MINIMUM 7.6 | MAXIMUM 7.8 | | | | | 4 | STANDARD UNITS | | | | NA |

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)* | 2. MARK 'X' a. BELIEVED PRESENT | 2. MARK 'X' b. BELIEVED ABSENT | 3. EFFLUENT a. MAXIMUM DAILY VALUE (1) CONCENTRATION | a. MAXIMUM DAILY VALUE (2) MASS | b. MAXIMUM 30 DAY VALUE *(if available)* (1) CONCENTRATION | b. MAXIMUM 30 DAY VALUE *(if available)* (2) MASS | c. LONG TERM AVRG. VALUE *(if available)* (1) CONCENTRATION | c. LONG TERM AVRG. VALUE *(if available)* (2) MASS | d. NO. OF ANALYSES | 4. UNITS a. CONCENTRATION | 4. UNITS b. MASS | 5. INTAKE *(optional)* a. LONG TERM AVERAGE VALUE (1) CONCENTRATION | 5. INTAKE *(optional)* a. LONG TERM AVERAGE VALUE (2) MASS | 5. INTAKE *(optional)* b. NUMBER OF ANALYSES |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| a. Bromide (24959-67-9) | | X | NA | NA | NA | NA | NA | NA | NA | mg/L | lbs/day | NA | NA | NA |
| b. Chlorine, Total Residual | X | | 2 | 0.002 | NA | NA | NA | NA | NA | mg/L | lbs/day | NA | NA | NA |
| c. Color, True | | X | NA | NA | NA | NA | NA | NA | NA | color units | NA | NA | NA | NA |
| d. Fecal Coliform | X | | 20000 | NA | 20000 | NA | 3619 | NA | 6 | cfu/100 mL | NA | NA | NA | NA |
| e. Fluoride (16984-48-8) | | X | NA | NA | NA | NA | NA | NA | NA | mg/L | lbs/day | NA | NA | NA |
| f. Nitrate - Nitrite *(as N)* | | X | NA | NA | NA | NA | NA | NA | NA | mg/L | lbs/day | NA | NA | NA |
| g. Nitrogen, Total Organic *(as N)* | | X | NA | NA | NA | NA | NA | NA | NA | mg/L | lbs/day | NA | NA | NA |
| h. Oil and Grease[1] | | X | <5 | <0.004 | NA | NA | NA | NA | NA | mg/L | lbs/day | NA | NA | NA |
| i. Phosphorus *(as P)*, Total (7723-14-0) | | X | NA | NA | NA | NA | NA | NA | NA | mg/L | lbs/day | NA | NA | NA |
| j. Radioactivity (1) Alpha, Total | | X | NA | NA | NA | NA | NA | NA | NA | mg/L | lbs/day | NA | NA | NA |
| (2) Beta, Total | | X | NA | NA | NA | NA | NA | NA | NA | mg/L | lbs/day | NA | NA | NA |
| (3) Radium, (228) Total | | X | NA | NA | NA | NA | NA | NA | NA | mg/L | lbs/day | NA | NA | NA |

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ITEM V-B CONTINUED FROM FRONT

| 1. POLLUTANT AND CAS NO. *(if available)* | 2. MARK 'X' | | 3. EFFLUENT | | | | | | | 4. UNITS | | 5. INTAKE *(optional)* | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | a. BELIEVED PRESENT | b. BELIEVED ABSENT | a. MAXIMUM DAILY VALUE (1) CONCENTRATION | a. MAXIMUM DAILY VALUE (2) MASS | b. MAXIMUM 30 DAY VALUE *(if available)* (1) CONCENTRATION | b. MAXIMUM 30 DAY VALUE *(if available)* (2) MASS | c. LONG TERM AVRG. VALUE *(if available)* (1) CONCENTRATION | c. LONG TERM AVRG. VALUE *(if available)* (2) MASS | d. NO. OF ANALYSES | a. CONCENTRATION | b. MASS | a. LONG TERM AVERAGE VALUE (1) CONCENTRATION | a. LONG TERM AVERAGE VALUE (2) MASS | b. NUMBER OF ANALYSES |
| (4) Radium 226, Total | | X | NA | NA | NA | NA | NA | NA | NA | mg/L | lbs/day | NA | NA | NA |
| k. Sulfate *(as $SO_4$)* (14808-79-8) | | X | NA | NA | NA | NA | NA | NA | NA | mg/L | lbs/day | NA | NA | NA |
| l. Sulfide *(as S)* | | X | NA | NA | NA | NA | NA | NA | NA | mg/L | lbs/day | NA | NA | NA |
| m. Sulfite *(as $SO_3$)* (14265-45-3) | | X | NA | NA | NA | NA | NA | NA | NA | mg/L | lbs/day | NA | NA | NA |
| n. Surfactants | | X | NA | NA | NA | NA | NA | NA | NA | mg/L | lbs/day | NA | NA | NA |
| o. Aluminum, Total (7429-90-5) | | X | NA | NA | NA | NA | NA | NA | NA | mg/L | lbs/day | NA | NA | NA |
| p. Barium, Total (7440-39-3) | | X | NA | NA | NA | NA | NA | NA | NA | mg/L | lbs/day | NA | NA | NA |
| q. Boron, Total (7440-42-8) | | X | NA | NA | NA | NA | NA | NA | NA | mg/L | lbs/day | NA | NA | NA |
| r. Cobalt, Total (7440-48-4) | | X | NA | NA | NA | NA | NA | NA | NA | mg/L | lbs/day | NA | NA | NA |
| s. Iron, Total (7439-89-6) | | X | NA | NA | NA | NA | NA | NA | NA | mg/L | lbs/day | NA | NA | NA |
| t. Magnesium, Total (7439-95-4) | | X | NA | NA | NA | NA | NA | NA | NA | mg/L | lbs/day | NA | NA | NA |
| u. Molybdenum, Total (7439-98-7) | | X | NA | NA | NA | NA | NA | NA | NA | mg/L | lbs/day | NA | NA | NA |
| v. Manganese, Total (7439-96-5) | | X | NA | NA | NA | NA | NA | NA | NA | mg/L | lbs/day | NA | NA | NA |
| w. Tin, Total (7440-31-5) | | X | NA | NA | NA | NA | NA | NA | NA | mg/L | lbs/day | NA | NA | NA |
| x. Titanium, Total (7440-32-6) | | X | NA | NA | NA | NA | NA | NA | NA | mg/L | lbs/day | NA | NA | NA |

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 your 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 privide 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-dinitriphenol, 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 geater. Otherwise, for pollutants for which you mark column 2b, you must either submit at lease one anslysis 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)* | 2. MARK 'X' | | | 3. EFFLUENT | | | | | | | 4. UNITS | | 5. INTAKE *(optional)* | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | a. TESTING REQUIRED | b. BELIEVED PRESENT | c. BELIEVED ABSENT | a. MAXIMUM DAILY VALUE (1) CONCENTRATION | a. MAXIMUM DAILY VALUE (2) MASS | b. MAXIMUM 30 DAY VALUE *(if available)* (1) CONCENTRATION | b. MAXIMUM 30 DAY VALUE *(if available)* (2) MASS | c. LONG TERM AVRG. VALUE *(if available)* (1) CONCENTRATION | c. LONG TERM AVRG. VALUE *(if available)* (2) MASS | d. NO. OF ANALYSES | a. CONCENTRATION | b. MASS | a. LONG TERM AVERAGE VALUE (1) CONCENTRATION | a. LONG TERM AVERAGE VALUE (2) MASS | b. NUMBER OF ANALYSES |
| **METALS, CYANIDE, AND TOTAL PHENOLS** | | | | | | | | | | | | | | | |
| 1M. Antimony, Total (7440-36-0) | | | X | NA | NA | NA | NA | NA | NA | NA | mg/L | lbs/day | NA | NA | NA |
| 2M. Arsenic, Total (7440-38-2) | | | X | NA | NA | NA | NA | NA | NA | NA | mg/L | lbs/day | NA | NA | NA |
| 3M. Beryllium, Total (7440-41-7) | | | X | NA | NA | NA | NA | NA | NA | NA | mg/L | lbs/day | NA | NA | NA |
| 4M. Cadmium, Total (7440-43-9) | | | X | NA | NA | NA | NA | NA | NA | NA | mg/L | lbs/day | NA | NA | NA |
| 5M. Chromium, Total (7440-47-3) | | | X | NA | NA | NA | NA | NA | NA | NA | mg/L | lbs/day | NA | NA | NA |
| 6M. Copper, Total (7440-50-8) | | | X | NA | NA | NA | NA | NA | NA | NA | mg/L | lbs/day | NA | NA | NA |
| 7M. Lead, Total (7439-92-1) | | | X | NA | NA | NA | NA | NA | NA | NA | mg/L | lbs/day | NA | NA | NA |

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ITEM V-C CONTINUED

| 1. POLLUTANT AND CAS NO. *(if available)* | 2. 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. NUMBER OF ANALYSES |
| | | | | (1) CONCENTRATION | (2) MASS | (1) CONCENTRATION | (2) MASS | (1) CONCENTRATION | (2) MASS | | | | (1) CONCENTRATION | (2) MASS | |
| 8M. Mercury, Total (7439-97-6) | | | X | NA | NA | NA | NA | NA | NA | NA | mg/L | lbs/day | NA | NA | NA |
| 9M. Nickel, Total (7440-02-0) | | | X | NA | NA | NA | NA | NA | NA | NA | mg/L | lbs/day | NA | NA | NA |
| 10M. Selenium, Total (7782-49-2) | | | X | NA | NA | NA | NA | NA | NA | NA | mg/L | lbs/day | NA | NA | NA |
| 11M. Silver, Total (7440-22-4) | | | X | NA | NA | NA | NA | NA | NA | NA | mg/L | lbs/day | NA | NA | NA |
| 12M. Thallium, Total (7440-28-0) | | | X | NA | NA | NA | NA | NA | NA | NA | mg/L | lbs/day | NA | NA | NA |
| 13M. Zinc, Total (7440-66-6) | | | X | NA | NA | NA | NA | NA | NA | NA | mg/L | lbs/day | NA | NA | NA |
| 14M. Cyanide, Total (57-12-5) | | | X | NA | NA | NA | NA | NA | NA | NA | mg/L | lbs/day | NA | NA | NA |
| 15M. Phenols, Total | | | X | NA | NA | NA | NA | NA | NA | NA | mg/L | lbs/day | NA | NA | NA |
| **DIOXIN** | | | | | | | | | | | | | | | |
| 2,3,7,8-Tetachloro-dibenzo-P-Dioxin (1764-01-6) | | | X | NA | NA | NA | NA | NA | NA | NA | mg/L | lbs/day | NA | NA | NA |
| **GC/MS FRACTION - VOLATILE COMPOUNDS** | | | | | | | | | | | | | | | |
| 1V. Acrolein (1076-02-8) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 2V. Acrylonitrile (107-13-1) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 3V. Benzene (71-43-2) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 5V. Bromoform (75-25-2) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 6V. Carbon Tetra-chloride (56-23-5) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 7V. Chlorobenzene (108-90-7) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 8V. Chlorodibromo-methane (124-48-1) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 9V. Chloroethane (75-00-3) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 10V. 2-Chloroethyl-vinyl Ether (110-75-8) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 11V. Chloroform (67-66-3) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 12V. Dichlorobromo-methane (75-27-4) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 14V. 1,1-Dichloro-ethane (75-34-3) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 15V. 1,2-Dichloro-ethane (107-06-2) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 16V. 1,1-Dichloro-ethylene (75-35-4) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 17V. 1,2-Dichloro-propane (78-87-5) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 18V. 1,3-Dichloro-propylene (542-75-6) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 19V. Ethylbenzene (100-41-4) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |



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|---|---|
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ITEM V-C CONTINUED

| 1. POLLUTANT AND CAS NO. *(if available)* | 2. MARK 'X' | | | 3. EFFLUENT | | | | | | 4. UNITS | | 5. INTAKE *(optional)* | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | a. TEST-ING 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. NUMBER OF ANALYSES |
| | | | | (1) CONCENTRATION | (2) MASS | (1) CONCENTRATION | (2) MASS | (1) CONCENTRATION | (2) MASS | | | | (1) CONCENTRATION | (2) MASS | |
| 20V. Methyl Bromide (74-83-9) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 21V. Methyl Chloride (74-87-3) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 22V. Methylene Chloride (75-09-2) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 23V. 1,1,2,2-Tetrachloroethane (79-34-5) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| Tetrachloroethylene (127-18-4) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 25V. Toluene (108-88-3) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 26V. 1,2-Trans-dichloroethylene (156-60-5) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 27V. 1,1,1-Trichloroethane (71-55-6) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 28V. 1,1,2-Trichloroethane (79-00-5) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 29V. Trichloroethylene (79-01-6) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 31V. Vinyl Chloride (75-01-4) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| **GC/MS FRACTION - ACID COMPOUNDS** | | | | | | | | | | | | | | | |
| 1A. 2-Chlorophenol (95-57-8) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 2A. 2,4-Dichlorophenol (120-83-2) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 3A. 2,4-Dimethylphenol (105-67-9) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 4A. 4,6-Dinitro-O-Cresol (534-52-1) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 5A. 2,4-Dinitrophenol (51-28-5) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 6A. 2-Nitrophenol (88-75-5) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 7A. 4-Nitrophenol (100-02-7) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 8A. P-Chloro-M Cresol (59-50-7) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 9A. Pentachlorophenol (87-86-5) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 10A. Phenol (108-95-2) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 11A. 2,4,6-Trichlorophenol (88-06-2) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| **GC/MS FRACTION - BASE/NEUTRAL COMPOUNDS** | | | | | | | | | | | | | | | |
| 1B. Acenaphthene (83-32-9) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 2B. Acenaphtylene (208-96-8) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 3B. Anthracene (120-12-7) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 4B. Benzidine (92-87-5) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 5B. Benzo(a)Anthracene (56-55-3) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 6B. Benzo(a)Pyrene (50-32-8) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |



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ITEM V-C CONTINUED

| 1. POLLUTANT AND CAS NO. *(if available)* | 2. 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. NUMBER OF ANALYSES |
| | | | | (1) CONCENTRATION | (2) MASS | (1) CONCENTRATION | (2) MASS | (1) CONCENTRATION | (2) MASS | | | | (1) CONCENTRATION | (2) MASS | |
| 7B. 3,4-Benzofluoranthene (205-99-2) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 8B. Benzo(ghi)Perylene (191-24-2) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 9B. Benzo(k)Fluoranthene (207-08-9) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 10B. Bis(2-Chloroethoxy)Methane (111-91-1) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 11B. Bis(2-chloroethyl)Ether (111-44-4) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 12B. Bis(2-Chloroisopropyl)Ether (102-60-1) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 13B. Bis(2-Ethylhexyl)-Phthalate (117-81-7) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 14B. 4-Bromophenyl Phenyl Ether (101-55-3) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 15B. Butyl Benzyl Phthalate (85-68-7) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 16B. 2-Chloronaphthalene (91-58-7) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 17B. 4-Chlorophenyl Phenyl Ether (7005-72-3) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 18B. Chrysene (218-01-9) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 19B. Dibenzo (a,h) Anthracene (53-70-3) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 20B. 1,2-Dichlorobenzene (95-50-1) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 21B. 1,3-Dichlorobenzene (541-73-1) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 22B. 1,4-Dichlorobenzene (106-46-7) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 23B. 3,3-Dichlorobenzidine (91-94-1) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 24B. Diethyl Phthalate (84-66-2) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 25B. Dimethyl Phthalate (131-11-3) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 26B. Di-N-Butyl Phthalate (84-74-2) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 27B. 2,4-Dinitrotoluene (121-14-2) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 28B. 2,6-Dinitrotoluene (606-20-2) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 29B. Di-N-Octyl Phthalate (117-84-0) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 30B. 1,2-Diphenylhydrazine *(as Azobenzene)* (122-66-7) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 31B. Fluoranthene (206-44-0) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 32B. Fluorene (86-73-7) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 33B. Hexachlorobenzene (118-74-1) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 34B. Hexachlorobutadiene (87-68-3) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |



CONTINUED ON NEXT PAGE

EPA I.D. NUMBER *(copy from Item I of Form 1)*: LAD099393225

OUTFALL NO.: 009

ITEM V-C CONTINUED

| 1. POLLUTANT AND CAS NO. *(if available)* | 2. 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. NUMBER OF ANALYSES |
| | | | | (1) CONCENTRATION | (2) MASS | (1) CONCENTRATION | (2) MASS | (1) CONCENTRATION | (2) MASS | | | | (1) CONCENTRATION | (2) MASS | |
| 35B. Hexachlorocyclopentadiene (77-47-4) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 36B. Hexachloroethane (67-72-1) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 37B. Indeno *(1,2,3-cd)* Pyrene (193-39-5) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 38B. Isophorone (78-59-1) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 39B. Naphthalene (91-20-3) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 40B. Nitrobenzene (98-95-3) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 41B. N-Nitrosodimethylamine (62-75-9) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 42B. N-Nitrosodi-N-Propylamine (621-64-7) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 43B. N-Nitrosodiphenylamine (86-30-6) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 44B. Phenanthrene (85-01-8) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 45B. Pyrene (129-00-0) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 46B. 1,2,4-Trichlorobenzene (120-82-1) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| **GC/MS FRACTION - PESTICIDES** | | | | | | | | | | | | | | | |
| 1P. Aldrin (309-00-2) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 2P. ALPHA-BHC (319-84-6) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 3P. BETA-BHC (319-85-7) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 4P. DELTA-BHC (58-89-9) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 5P. GAMMA-BHC (319-86-8) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 6P. Chlordane (57-74-9) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 7P. 4,4'-DDT (50-29-3) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 8P. 4,4'-DDE (72-55-9) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 9P. 4,4'-DDD (72-54-8) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 10P. Dieldrin (60-57-1) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 11P. ALPHA-Endosulfan I (115-29-7) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 12P. BETA-Endosulfan II (115-29-7) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 13P. Endosulfan Sulfate (1031-07-8) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 14P. Endrin (72-20-8) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 15P. Endrin Aldehyde (7421-93-4) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 16P. Heptachlor (76-44-8) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |



CONTINUED ON NEXT PAGE

| EPA I.D. NUMBER *(copy from Item I of Form 1)* | OUTFALL NO. |
|---|---|
| LAD099393225 | 009 |

ITEM V-C CONTINUED

| 1. POLLUTANT AND CAS NO. *(if available)* | 2. MARK 'X' | | | 3. EFFLUENT | | | | | | | 4. UNITS | | 5. INTAKE *(optional)* | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | a. TEST-ING RE-QUIRED | 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. CON-CENTRATION | b. MASS | a. LONG TERM AVERAGE VALUE | | b. NUMBER OF ANALYSES |
| | | | | (1) CONCENTRATION | (2) MASS | (1) CON-CENTRATION | (2) MASS | (1) CON-CENTRATION | (2) MASS | | | | (1) CON-CENTRATION | (2) MASS | |
| 17P. Heptachlor Epoxide (1024-57-3) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 18P. PCB-1242 (53469-21-9) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 19P. PCB-1254 (11097-69-1) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 20P. PCB-1221 (11104-28-2) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 21P. PCB-1232 (11141-16-5) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 22P. PCB-1248 (12672-29-6) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 23P. PCB-1260 (11096-82-5) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 24P. PCB-1016 (12674-11-2) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 25P. Toxaphene (8001-35-2) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |

NA = Testing not required; not applicable.

Notes:

Historical analytical data is from the period of January 1, 2009 through May 31, 2011.

[1] Data from sampling event performed on October 10, 2011. TRC measurement collected on November 10, 2011.

PLEASE PRINT OR TYPE IN THE UNSHADED AREA 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 I of Form 1)*
LAD099393225

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

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

[redacted]

OUTFALL NO. 010

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 a. MAXIMUM DAILY VALUE (1) CONCENTRATION | a. MAXIMUM DAILY VALUE (2) MASS | b. MAXIMUM 30 DAY VALUE *(if available)* (1) CONCENTRATION | b. MAXIMUM 30 DAY VALUE *(if available)* (2) MASS | c. LONG TERM AVRG. VALUE *(if available)* (1) CONCENTRATION | c. LONG TERM AVRG. VALUE *(if available)* (2) MASS | d. NO. OF ANALYSES | 3. UNITS (specify if blank) a. CONCENTRATION | 3. UNITS (specify if blank) b. MASS | 4. INTAKE *(optional)* a. LONG TERM AVERAGE VALUE (1) CONCENTRATION | 4. INTAKE *(optional)* a. LONG TERM AVERAGE VALUE (2) MASS | 4. INTAKE *(optional)* b. NO. OF ANALYSES |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| a. Biochemical Oxygen Demand (BOD) | 17.0 | 0.04 | 17.0 | 0.04 | 6.0 | 0.015 | 4 | mg/L | lbs/day | NA | NA | NA |
| b. Chemical Oxygen Demand (COD)[1] | 110.0 | 0.28 | NA | NA | NA | NA | 1 | mg/L | lbs/day | NA | NA | NA |
| c. Total Organic Carbon (TOC)[1] | 21.4 | 0.54 | NA | NA | NA | NA | 1 | mg/L | lbs/day | NA | NA | NA |
| d. Total Suspended Solids (TSS) | 36.0 | 0.09 | 36.0 | 0.090 | 18.0 | 0.045 | 4 | mg/L | lbs/day | NA | NA | NA |
| e. Ammonia (as N)[1] | 65.8 | 1.65 | NA | NA | NA | NA | 1 | mg/L | lbs/day | NA | NA | NA |
| f. Flow | VALUE 0.0003 | | VALUE 0.0003 | | VALUE 0.0003 | | 791 | MGD | | VALUE NA | | NA |
| g. *Temperature (winter)* | VALUE NA | | VALUE NA | | VALUE NA | | NA | ° C | | VALUE NA | | NA |
| h. *Temperature (summer)* | VALUE NA | | VALUE NA | | VALUE NA | | NA | ° C | | VALUE NA | | NA |
| i. pH | MINIMUM 6.2 | MAXIMUM 7.5 | [redacted] | | | | 4 | STANDARD UNITS | | [redacted] | | NA |

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)* | 2. MARK 'X' a. BELIEVED PRESENT | 2. MARK 'X' b. BELIEVED ABSENT | 3. EFFLUENT a. MAXIMUM DAILY VALUE (1) CONCENTRATION | a. MAXIMUM DAILY VALUE (2) MASS | b. MAXIMUM 30 DAY VALUE *(if available)* (1) CONCENTRATION | b. MAXIMUM 30 DAY VALUE *(if available)* (2) MASS | c. LONG TERM AVRG. VALUE *(if available)* (1) CONCENTRATION | c. LONG TERM AVRG. VALUE *(if available)* (2) MASS | d. NO. OF ANALYSES | 4. UNITS a. CONCENTRATION | 4. UNITS b. MASS | 5. INTAKE *(optional)* a. LONG TERM AVERAGE VALUE (1) CONCENTRATION | 5. INTAKE *(optional)* a. LONG TERM AVERAGE VALUE (2) MASS | 5. INTAKE *(optional)* b. NUMBER OF ANALYSES |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| a. Bromide (24959-67-9) | | X | NA | NA | NA | NA | NA | NA | NA | mg/L | lbs/day | NA | NA | NA |
| b. Chlorine, Total Residual | | X | NA | NA | NA | NA | NA | NA | NA | mg/L | lbs/day | NA | NA | NA |
| c. Color, True | | X | NA | NA | NA | NA | NA | NA | NA | color units | NA | NA | NA | NA |
| d. Fecal Coliform | X | | 50.0 | NA | 50.0 | NA | 14.0 | NA | 4 | cfu/100 mL | NA | NA | NA | NA |
| e. Fluoride (16984-48-8) | | X | NA | NA | NA | NA | NA | NA | NA | mg/L | lbs/day | NA | NA | NA |
| f. Nitrate - Nitrite *(as N)* | | X | NA | NA | NA | NA | NA | NA | NA | mg/L | lbs/day | NA | NA | NA |
| g. Nitrogen, Total Organic *(as N)* | | X | NA | NA | NA | NA | NA | NA | NA | mg/L | lbs/day | NA | NA | NA |
| h. Oil and Grease[1] | | X | <5 | <0.13 | NA | NA | NA | NA | NA | mg/L | lbs/day | NA | NA | NA |
| i. Phosphorus *(as P)*, Total (7723-14-0) | | X | NA | NA | NA | NA | NA | NA | NA | mg/L | lbs/day | NA | NA | NA |
| j. Radioactivity (1) Alpha, Total | | X | NA | NA | NA | NA | NA | NA | NA | mg/L | lbs/day | NA | NA | NA |
| (2) Beta, Total | | X | NA | NA | NA | NA | NA | NA | NA | mg/L | lbs/day | NA | NA | NA |
| (3) Radium, (228) Total | | X | NA | NA | NA | NA | NA | NA | NA | mg/L | lbs/day | NA | NA | NA |

EPA I.D. NUMBER *(copy from Item I of Form 1)*: LAD099393225

OUTFALL NO.: 010

ITEM V-B CONTINUED FROM FRONT

| 1. POLLUTANT AND CAS NO. *(if available)* | 2. MARK 'X' a. BELIEVED PRESENT | 2. MARK 'X' b. BELIEVED ABSENT | 3. EFFLUENT a. MAXIMUM DAILY VALUE (1) CONCENTRATION | 3. EFFLUENT a. MAXIMUM DAILY VALUE (2) MASS | 3. EFFLUENT b. MAXIMUM 30 DAY VALUE *(if available)* (1) CONCENTRATION | 3. EFFLUENT b. MAXIMUM 30 DAY VALUE *(if available)* (2) MASS | 3. EFFLUENT c. LONG TERM AVRG. VALUE *(if available)* (1) CONCENTRATION | 3. EFFLUENT c. LONG TERM AVRG. VALUE *(if available)* (2) MASS | 3. EFFLUENT d. NO. OF ANALYSES | 4. UNITS a. CONCENTRATION | 4. UNITS b. MASS | 5. INTAKE *(optional)* a. LONG TERM AVERAGE VALUE (1) CONCENTRATION | 5. INTAKE *(optional)* a. LONG TERM AVERAGE VALUE (2) MASS | 5. INTAKE *(optional)* b. NUMBER OF ANALYSES |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| (4) Radium 226, Total | | X | NA | NA | NA | NA | NA | NA | NA | mg/L | lbs/day | NA | NA | NA |
| k. Sulfate *(as $SO_4$)* (14808-79-8) | | X | NA | NA | NA | NA | NA | NA | NA | mg/L | lbs/day | NA | NA | NA |
| l. Sulfide *(as S)* | | X | NA | NA | NA | NA | NA | NA | NA | mg/L | lbs/day | NA | NA | NA |
| m. Sulfite *(as $SO_3$)* (14265-45-3) | | X | NA | NA | NA | NA | NA | NA | NA | mg/L | lbs/day | NA | NA | NA |
| n. Surfactants | | X | NA | NA | NA | NA | NA | NA | NA | mg/L | lbs/day | NA | NA | NA |
| o. Aluminum, Total (7429-90-5) | | X | NA | NA | NA | NA | NA | NA | NA | mg/L | lbs/day | NA | NA | NA |
| p. Barium, Total (7440-39-3) | | X | NA | NA | NA | NA | NA | NA | NA | mg/L | lbs/day | NA | NA | NA |
| q. Boron, Total (7440-42-8) | | X | NA | NA | NA | NA | NA | NA | NA | mg/L | lbs/day | NA | NA | NA |
| r. Cobalt, Total (7440-48-4) | | X | NA | NA | NA | NA | NA | NA | NA | mg/L | lbs/day | NA | NA | NA |
| s. Iron, Total (7439-89-6) | | X | NA | NA | NA | NA | NA | NA | NA | mg/L | lbs/day | NA | NA | NA |
| t. Magnesium, Total (7439-95-4) | | X | NA | NA | NA | NA | NA | NA | NA | mg/L | lbs/day | NA | NA | NA |
| u. Molybdenum, Total (7439-98-7) | | X | NA | NA | NA | NA | NA | NA | NA | mg/L | lbs/day | NA | NA | NA |
| v. Manganese, Total (7439-96-5) | | X | NA | NA | NA | NA | NA | NA | NA | mg/L | lbs/day | NA | NA | NA |
| w. Tin, Total (7440-31-5) | | X | NA | NA | NA | NA | NA | NA | NA | mg/L | lbs/day | NA | NA | NA |
| x. Titanium, Total (7440-32-6) | | X | NA | NA | NA | NA | NA | NA | NA | mg/L | lbs/day | NA | NA | NA |

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 your 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 privide 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-dinitriphenol, 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 geater. Otherwise, for pollutants for which you mark column 2b, you must either submit at lease one anslysis 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)* | 2. MARK 'X' a. TESTING REQUIRED | 2. MARK 'X' b. BELIEVED PRESENT | 2. MARK 'X' c. BELIEVED ABSENT | 3. EFFLUENT a. MAXIMUM DAILY VALUE (1) CONCENTRATION | 3. EFFLUENT a. MAXIMUM DAILY VALUE (2) MASS | 3. EFFLUENT b. MAXIMUM 30 DAY VALUE *(if available)* (1) CONCENTRATION | 3. EFFLUENT b. MAXIMUM 30 DAY VALUE *(if available)* (2) MASS | 3. EFFLUENT c. LONG TERM AVRG. VALUE *(if available)* (1) CONCENTRATION | 3. EFFLUENT c. LONG TERM AVRG. VALUE *(if available)* (2) MASS | 3. EFFLUENT d. NO. OF ANALYSES | 4. UNITS a. CONCENTRATION | 4. UNITS b. MASS | 5. INTAKE *(optional)* a. LONG TERM AVERAGE VALUE (1) CONCENTRATION | 5. INTAKE *(optional)* a. LONG TERM AVERAGE VALUE (2) MASS | 5. INTAKE *(optional)* b. NUMBER OF ANALYSES |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **METALS, CYANIDE, AND TOTAL PHENOLS** | | | | | | | | | | | | | | | |
| 1M. Antimony, Total (7440-36-0) | | | X | NA | NA | NA | NA | NA | NA | NA | mg/L | lbs/day | NA | NA | NA |
| 2M. Arsenic, Total (7440-38-2) | | | X | NA | NA | NA | NA | NA | NA | NA | mg/L | lbs/day | NA | NA | NA |
| 3M. Beryllium, Total (7440-41-7) | | | X | NA | NA | NA | NA | NA | NA | NA | mg/L | lbs/day | NA | NA | NA |
| 4M. Cadmium, Total (7440-43-9) | | | X | NA | NA | NA | NA | NA | NA | NA | mg/L | lbs/day | NA | NA | NA |
| 5M. Chromium, Total (7440-47-3) | | | X | NA | NA | NA | NA | NA | NA | NA | mg/L | lbs/day | NA | NA | NA |
| 6M. Copper, Total (7440-50-8) | | | X | NA | NA | NA | NA | NA | NA | NA | mg/L | lbs/day | NA | NA | NA |
| 7M. Lead, Total (7439-92-1) | | | X | NA | NA | NA | NA | NA | NA | NA | mg/L | lbs/day | NA | NA | NA |

| EPA I.D. NUMBER *(copy from Item I of Form 1)* | OUTFALL NO. |
|---|---|
| LAD099393225 | 010 |

ITEM V-C CONTINUED

| 1. POLLUTANT AND CAS NO. *(if available)* | 2. 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. NUMBER OF ANALYSES |
| | | | | (1) CONCENTRATION | (2) MASS | (1) CONCENTRATION | (2) MASS | (1) CONCENTRATION | (2) MASS | | | | (1) CONCENTRATION | (2) MASS | |
| 8M. Mercury, Total (7439-97-6) | | | X | NA | NA | NA | NA | NA | NA | NA | mg/L | lbs/day | NA | NA | NA |
| 9M. Nickel, Total (7440-02-0) | | | X | NA | NA | NA | NA | NA | NA | NA | mg/L | lbs/day | NA | NA | NA |
| 10M. Selenium, Total (7782-49-2) | | | X | NA | NA | NA | NA | NA | NA | NA | mg/L | lbs/day | NA | NA | NA |
| 11M. Silver, Total (7440-22-4) | | | X | NA | NA | NA | NA | NA | NA | NA | mg/L | lbs/day | NA | NA | NA |
| 12M. Thallium, Total (7440-28-0) | | | X | NA | NA | NA | NA | NA | NA | NA | mg/L | lbs/day | NA | NA | NA |
| 13M. Zinc, Total (7440-66-6) | | | X | NA | NA | NA | NA | NA | NA | NA | mg/L | lbs/day | NA | NA | NA |
| 14M. Cyanide, Total (57-12-5) | | | X | NA | NA | NA | NA | NA | NA | NA | mg/L | lbs/day | NA | NA | NA |
| 15M. Phenols, Total | | | X | NA | NA | NA | NA | NA | NA | NA | mg/L | lbs/day | NA | NA | NA |
| **DIOXIN** | | | | | | | | | | | | | | | |
| 2,3,7,8-Tetachloro-dibenzo-P-Dioxin (1764-01-6) | | | X | NA | NA | NA | NA | NA | NA | NA | mg/L | lbs/day | NA | NA | NA |
| **GC/MS FRACTION - VOLATILE COMPOUNDS** | | | | | | | | | | | | | | | |
| 1V. Acrolein (1076-02-8) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 2V. Acrylonitrile (107-13-1) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 3V. Benzene (71-43-2) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 5V. Bromoform (75-25-2) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 6V. Carbon Tetra-chloride (56-23-5) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 7V. Chlorobenzene (108-90-7) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 8V. Chlorodibromo-methane (124-48-1) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 9V. Chloroethane (75-00-3) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 10V. 2-Chloroethyl-vinyl Ether (110-75-8) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 11V. Chloroform (67-66-3) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 12V. Dichlorobromo-methane (75-27-4) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 14V. 1,1-Dichloro-ethane (75-34-3) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 15V. 1,2-Dichloro-ethane (107-06-2) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 16V. 1,1-Dichloro-ethylene (75-35-4) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 17V. 1,2-Dichloro-propane (78-87-5) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 18V. 1,3-Dichloro-propylene (542-75-6) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 19V. Ethylbenzene (100-41-4) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |



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| EPA I.D. NUMBER *(copy from Item I of Form 1)* | OUTFALL NO. |
|---|---|
| LAD099393225 | 010 |

ITEM V-C CONTINUED

| 1. POLLUTANT AND CAS NO. *(if available)* | 2. 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. NUMBER OF ANALYSES |
| | | | | (1) CONCENTRATION | (2) MASS | (1) CONCENTRATION | (2) MASS | (1) CONCENTRATION | (2) MASS | | | | (1) CONCENTRATION | (2) MASS | |
| 20V. Methyl Bromide (74-83-9) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 21V. Methyl Chloride (74-87-3) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 22V. Methylene Chloride (75-09-2) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 23V. 1,1,2,2-Tetrachloroethane (79-34-5) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| Tetrachloroethylene (127-18-4) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 25V. Toluene (108-88-3) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 26V. 1,2-Trans-dichloroethylene (156-60-5) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 27V. 1,1,1-Trichloroethane (71-55-6) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 28V. 1,1,2-Trichloroethane (79-00-5) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 29V. Trichloroethylene (79-01-6) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 31V. Vinyl Chloride (75-01-4) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| **GC/MS FRACTION - ACID COMPOUNDS** | | | | | | | | | | | | | | | |
| 1A. 2-Chlorophenol (95-57-8) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 2A. 2,4-Dichlorophenol (120-83-2) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 3A. 2,4-Dimethylphenol (105-67-9) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 4A. 4,6-Dinitro-O-Cresol (534-52-1) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 5A. 2,4-Dinitrophenol (51-28-5) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 6A. 2-Nitrophenol (88-75-5) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 7A. 4-Nitrophenol (100-02-7) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 8A. P-Chloro-M Cresol (59-50-7) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 9A. Pentachlorophenol (87-86-5) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 10A. Phenol (108-95-2) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 11A. 2,4,6-Trichlorophenol (88-06-2) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| **GC/MS FRACTION - BASE/NEUTRAL COMPOUNDS** | | | | | | | | | | | | | | | |
| 1B. Acenaphthene (83-32-9) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 2B. Acenaphtylene (208-96-8) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 3B. Anthracene (120-12-7) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 4B. Benzidine (92-87-5) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 5B. Benzo(a)Anthracene (56-55-3) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 6B. Benzo(a)Pyrene (50-32-8) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |



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EPA I.D. NUMBER *(copy from Item 1 of Form 1)*: LAD099393225

OUTFALL NO.: 010

ITEM V-C CONTINUED

| 1. POLLUTANT AND CAS NO. *(if available)* | 2. 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. NUMBER OF ANALYSES |
| | | | | (1) CONCENTRATION | (2) MASS | (1) CONCENTRATION | (2) MASS | (1) CONCENTRATION | (2) MASS | | | | (1) CONCENTRATION | (2) MASS | |
| 7B. 3,4-Benzofluoranthene (205-99-2) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 8B. Benzo(ghi)Perylene (191-24-2) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 9B. Benzo(k)Fluoranthene (207-08-9) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 10B. Bis(2-Chloroethoxy)Methane (111-91-1) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 11B. Bis(2-chloroethyl)Ether (111-44-4) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 12B. Bis(2-Chloroisopropyl)Ether (102-60-1) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 13B. Bis(2-Ethylhexyl)-Phthalate (117-81-7) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 14B. 4-Bromophenyl Phenyl Ether (101-55-3) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 15B. Butyl Benzyl Phthalate (85-68-7) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 16B. 2-Chloronaphthalene (91-58-7) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 17B. 4-Chlorophenyl Phenyl Ether (7005-72-3) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 18B. Chrysene (218-01-9) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 19B. Dibenzo (a,h) Anthracene (53-70-3) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 20B. 1,2-Dichlorobenzene (95-50-1) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 21B. 1,3-Dichlorobenzene (541-73-1) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 22B. 1,4-Dichlorobenzene (106-46-7) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 23B. 3,3-Dichlorobenzidine (91-94-1) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 24B. Diethyl Phthalate (84-66-2) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 25B. Dimethyl Phthalate (131-11-3) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 26B. Di-N-Butyl Phthalate (84-74-2) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 27B. 2,4-Dinitrotoluene (121-14-2) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 28B. 2,6-Dinitrotoluene (606-20-2) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 29B. Di-N-Octyl Phthalate (117-84-0) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 30B. 1,2-Diphenylhydrazine *(as Azobenzene)* (122-66-7) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 31B. Fluoranthene (206-44-0) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 32B. Fluorene (86-73-7) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 33B. Hexachlorobenzene (118-74-1) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 34B. Hexachlorobutadiene (87-68-3) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |



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EPA I.D. NUMBER *(copy from Item I of Form 1)*: LAD099393225

OUTFALL NO.: 010

ITEM V-C CONTINUED

| 1. POLLUTANT AND CAS NO. *(if available)* | 2. 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. NUMBER OF ANALYSES |
| | | | | (1) CONCENTRATION | (2) MASS | (1) CONCENTRATION | (2) MASS | (1) CONCENTRATION | (2) MASS | | | | (1) CONCENTRATION | (2) MASS | |
| 35B. Hexachlorocyclopentadiene (77-47-4) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 36B. Hexachloroethane (67-72-1) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 37B. Indeno *(1,2,3-cd)* Pyrene (193-39-5) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 38B. Isophorone (78-59-1) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 39B. Naphthalene (91-20-3) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 40B. Nitrobenzene (98-95-3) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 41B. N-Nitrosodimethylamine (62-75-9) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 42B. N-Nitrosodi-N-Propylamine (621-64-7) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 43B. N-Nitrosodiphenylamine (86-30-6) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 44B. Phenanthrene (85-01-8) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 45B. Pyrene (129-00-0) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 46B. 1,2,4-Trichlorobenzene (120-82-1) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| **GC/MS FRACTION - PESTICIDES** | | | | | | | | | | | | | | | |
| 1P. Aldrin (309-00-2) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 2P. ALPHA-BHC (319-84-6) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 3P. BETA-BHC (319-85-7) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 4P. DELTA-BHC (58-89-9) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 5P. GAMMA-BHC (319-86-8) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 6P. Chlordane (57-74-9) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 7P. 4,4'-DDT (50-29-3) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 8P. 4,4'-DDE (72-55-9) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 9P. 4,4'-DDD (72-54-8) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 10P. Dieldrin (60-57-1) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 11P. ALPHA-Endosulfan I (115-29-7) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 12P. BETA-Endosulfan II (115-29-7) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 13P. Endosulfan Sulfate (1031-07-8) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 14P. Endrin (72-20-8) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 15P. Endrin Aldehyde (7421-93-4) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 16P. Heptachlor (76-44-8) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |



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EPA I.D. NUMBER *(copy from Item I of Form 1)*: LAD099393225

OUTFALL NO.: 010

ITEM V-C CONTINUED

| 1. POLLUTANT AND CAS NO. *(if available)* | 2. MARK 'X' | | | 3. EFFLUENT | | | | | | | 4. UNITS | | 5. INTAKE *(optional)* | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | a. TEST-ING RE-QUIRED | 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. CON-CENTRATION | b. MASS | a. LONG TERM AVERAGE VALUE | | b. NUMBER OF ANALYSES |
| | | | | (1) CONCENTRATION | (2) MASS | (1) CON-CENTRATION | (2) MASS | (1) CON-CENTRATION | (2) MASS | | | | (1) CON-CENTRATION | (2) MASS | |
| 17P. Heptachlor Epoxide (1024-57-3) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 18P. PCB-1242 (53469-21-9) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 19P. PCB-1254 (11097-69-1) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 20P. PCB-1221 (11104-28-2) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 21P. PCB-1232 (11141-16-5) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 22P. PCB-1248 (12672-29-6) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 23P. PCB-1260 (11096-82-5) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 24P. PCB-1016 (12674-11-2) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 25P. Toxaphene (8001-35-2) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |

NA = Testing not required; not applicable.

Notes:

Historical analytical data is from the period of January 1, 2009 through May 31, 2011.

[1] Data from sampling event performed on October 10, 2011. TRC meaasurement taken on November 10, 2011.

PLEASE PRINT OR TYPE IN THE UNSHADED AREA 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 I of Form 1)*
LAD099393225

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. 016

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 a. MAXIMUM DAILY VALUE (1) CONCENTRATION | a. MAXIMUM DAILY VALUE (2) MASS | b. MAXIMUM 30 DAY VALUE *(if available)* (1) CONCENTRATION | b. MAXIMUM 30 DAY VALUE *(if available)* (2) MASS | c. LONG TERM AVRG. VALUE *(if available)* (1) CONCENTRATION | c. LONG TERM AVRG. VALUE *(if available)* (2) MASS | d. NO. OF ANALYSES | 3. UNITS (specify if blank) a. CONCENTRATION | 3. UNITS (specify if blank) b. MASS | 4. INTAKE *(optional)* a. LONG TERM AVERAGE VALUE (1) CONCENTRATION | 4. INTAKE *(optional)* a. LONG TERM AVERAGE VALUE (2) MASS | 4. INTAKE *(optional)* b. NO. OF ANALYSES |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| a. Biochemical Oxygen Demand (BOD) | 10.0 | 0.033 | 10.0 | 0.033 | 6.73 | 0.022 | 3 | mg/L | lbs/day | NA | NA | NA |
| b. Chemical Oxygen Demand (COD)[1] | 14.3 | 0.05 | NA | NA | NA | NA | 1 | mg/L | lbs/day | NA | NA | NA |
| c. Total Organic Carbon (TOC)[1] | 6.6 | 0.02 | NA | NA | NA | NA | 1 | mg/L | lbs/day | NA | NA | NA |
| d. Total Suspended Solids (TSS) | 5.0 | 0.017 | 5.0 | 0.017 | 4.2 | 0.006 | 3 | mg/L | lbs/day | NA | NA | NA |
| e. Ammonia (as N)[1] | <0.05 | <0.001 | NA | NA | NA | NA | 1 | mg/L | lbs/day | NA | NA | NA |
| f. Flow | VALUE 0.0004 | | VALUE 0.0004 | | VALUE 0.0003 | | 3 | MGD | | VALUE NA | | NA |
| g. *Temperature (winter)* | VALUE NA | | VALUE NA | | VALUE NA | | NA | ° C | | VALUE NA | | NA |
| h. *Temperature (summer)* | VALUE NA | | VALUE NA | | VALUE NA | | NA | ° C | | VALUE NA | | NA |
| i. pH | MINIMUM 7.1 | MAXIMUM 7.6 | | | | | 3 | STANDARD UNITS | | | | NA |

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)* | 2. MARK 'X' a. BELIEVED PRESENT | 2. MARK 'X' b. BELIEVED ABSENT | 3. EFFLUENT a. MAXIMUM DAILY VALUE (1) CONCENTRATION | a. MAXIMUM DAILY VALUE (2) MASS | b. MAXIMUM 30 DAY VALUE *(if available)* (1) CONCENTRATION | b. MAXIMUM 30 DAY VALUE *(if available)* (2) MASS | c. LONG TERM AVRG. VALUE *(if available)* (1) CONCENTRATION | c. LONG TERM AVRG. VALUE *(if available)* (2) MASS | d. NO. OF ANALYSES | 4. UNITS a. CONCENTRATION | 4. UNITS b. MASS | 5. INTAKE *(optional)* a. LONG TERM AVERAGE VALUE (1) CONCENTRATION | 5. INTAKE *(optional)* a. LONG TERM AVERAGE VALUE (2) MASS | 5. INTAKE *(optional)* b. NUMBER OF ANALYSES |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| a. Bromide (24959-67-9) | | X | NA | NA | NA | NA | NA | NA | NA | mg/L | lbs/day | NA | NA | NA |
| b. Chlorine, Total Residual | | X | 2 | 0.007 | NA | NA | NA | NA | NA | mg/L | lbs/day | NA | NA | NA |
| c. Color, True | | X | NA | NA | NA | NA | NA | NA | NA | color units | NA | NA | NA | NA |
| d. Fecal Coliform | X | | 4.0 | NA | 3.0 | NA | 14.0 | NA | 3 | cfu/100 mL | NA | NA | NA | NA |
| e. Fluoride (16984-48-8) | | X | NA | NA | NA | NA | NA | NA | NA | mg/L | lbs/day | NA | NA | NA |
| f. Nitrate - Nitrite *(as N)* | | X | NA | NA | NA | NA | NA | NA | NA | mg/L | lbs/day | NA | NA | NA |
| g. Nitrogen, Total Organic *(as N)* | | X | NA | NA | NA | NA | NA | NA | NA | mg/L | lbs/day | NA | NA | NA |
| h. Oil and Grease[1] | | X | <5 | <0.13 | NA | NA | NA | NA | NA | mg/L | lbs/day | NA | NA | NA |
| i. Phosphorus *(as P)*, Total (7723-14-0) | | X | NA | NA | NA | NA | NA | NA | NA | mg/L | lbs/day | NA | NA | NA |
| j. Radioactivity (1) Alpha, Total | | X | NA | NA | NA | NA | NA | NA | NA | mg/L | lbs/day | NA | NA | NA |
| (2) Beta, Total | | X | NA | NA | NA | NA | NA | NA | NA | mg/L | lbs/day | NA | NA | NA |
| (3) Radium, (228) Total | | X | NA | NA | NA | NA | NA | NA | NA | mg/L | lbs/day | NA | NA | NA |

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OUTFALL NO.: 016

ITEM V-B CONTINUED FROM FRONT

| 1. POLLUTANT AND CAS NO. *(if available)* | 2. MARK 'X' a. BELIEVED PRESENT | 2. MARK 'X' b. BELIEVED ABSENT | 3. EFFLUENT a. MAXIMUM DAILY VALUE (1) CONCENTRATION | a. MAXIMUM DAILY VALUE (2) MASS | b. MAXIMUM 30 DAY VALUE *(if available)* (1) CONCENTRATION | b. MAXIMUM 30 DAY VALUE *(if available)* (2) MASS | c. LONG TERM AVRG. VALUE *(if available)* (1) CONCENTRATION | c. LONG TERM AVRG. VALUE *(if available)* (2) MASS | d. NO. OF ANALYSES | 4. UNITS a. CONCENTRATION | 4. UNITS b. MASS | 5. INTAKE *(optional)* a. LONG TERM AVERAGE VALUE (1) CONCENTRATION | 5. INTAKE *(optional)* a. LONG TERM AVERAGE VALUE (2) MASS | 5. INTAKE *(optional)* b. NUMBER OF ANALYSES |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| (4) Radium 226, Total | | X | NA | NA | NA | NA | NA | NA | NA | mg/L | lbs/day | NA | NA | NA |
| k. Sulfate *(as $SO_4$)* (14808-79-8) | | X | NA | NA | NA | NA | NA | NA | NA | mg/L | lbs/day | NA | NA | NA |
| l. Sulfide *(as S)* | | X | NA | NA | NA | NA | NA | NA | NA | mg/L | lbs/day | NA | NA | NA |
| m. Sulfite *(as $SO_3$)* (14265-45-3) | | X | NA | NA | NA | NA | NA | NA | NA | mg/L | lbs/day | NA | NA | NA |
| n. Surfactants | | X | NA | NA | NA | NA | NA | NA | NA | mg/L | lbs/day | NA | NA | NA |
| o. Aluminum, Total (7429-90-5) | | X | NA | NA | NA | NA | NA | NA | NA | mg/L | lbs/day | NA | NA | NA |
| p. Barium, Total (7440-39-3) | | X | NA | NA | NA | NA | NA | NA | NA | mg/L | lbs/day | NA | NA | NA |
| q. Boron, Total (7440-42-8) | | X | NA | NA | NA | NA | NA | NA | NA | mg/L | lbs/day | NA | NA | NA |
| r. Cobalt, Total (7440-48-4) | | X | NA | NA | NA | NA | NA | NA | NA | mg/L | lbs/day | NA | NA | NA |
| s. Iron, Total (7439-89-6) | | X | NA | NA | NA | NA | NA | NA | NA | mg/L | lbs/day | NA | NA | NA |
| t. Magnesium, Total (7439-95-4) | | X | NA | NA | NA | NA | NA | NA | NA | mg/L | lbs/day | NA | NA | NA |
| u. Molybdenum, Total (7439-98-7) | | X | NA | NA | NA | NA | NA | NA | NA | mg/L | lbs/day | NA | NA | NA |
| v. Manganese, Total (7439-96-5) | | X | NA | NA | NA | NA | NA | NA | NA | mg/L | lbs/day | NA | NA | NA |
| w. Tin, Total (7440-31-5) | | X | NA | NA | NA | NA | NA | NA | NA | mg/L | lbs/day | NA | NA | NA |
| x. Titanium, Total (7440-32-6) | | X | NA | NA | NA | NA | NA | NA | NA | mg/L | lbs/day | NA | NA | NA |

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 your 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 privide 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 geater. Otherwise, for pollutants for which you mark column 2b, you must either submit at lease 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)* | 2. MARK 'X' a. TESTING REQUIRED | 2. MARK 'X' b. BELIEVED PRESENT | 2. MARK 'X' c. BELIEVED ABSENT | 3. EFFLUENT a. MAXIMUM DAILY VALUE (1) CONCENTRATION | a. MAXIMUM DAILY VALUE (2) MASS | b. MAXIMUM 30 DAY VALUE *(if available)* (1) CONCENTRATION | b. MAXIMUM 30 DAY VALUE *(if available)* (2) MASS | c. LONG TERM AVRG. VALUE *(if available)* (1) CONCENTRATION | c. LONG TERM AVRG. VALUE *(if available)* (2) MASS | d. NO. OF ANALYSES | 4. UNITS a. CONCENTRATION | 4. UNITS b. MASS | 5. INTAKE *(optional)* a. LONG TERM AVERAGE VALUE (1) CONCENTRATION | 5. INTAKE *(optional)* a. LONG TERM AVERAGE VALUE (2) MASS | 5. INTAKE *(optional)* b. NUMBER OF ANALYSES |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **METALS, CYANIDE, AND TOTAL PHENOLS** | | | | | | | | | | | | | | | |
| 1M. Antimony, Total (7440-36-0) | | | X | NA | NA | NA | NA | NA | NA | NA | mg/L | lbs/day | NA | NA | NA |
| 2M. Arsenic, Total (7440-38-2) | | | X | NA | NA | NA | NA | NA | NA | NA | mg/L | lbs/day | NA | NA | NA |
| 3M. Beryllium, Total (7440-41-7) | | | X | NA | NA | NA | NA | NA | NA | NA | mg/L | lbs/day | NA | NA | NA |
| 4M. Cadmium, Total (7440-43-9) | | | X | NA | NA | NA | NA | NA | NA | NA | mg/L | lbs/day | NA | NA | NA |
| 5M. Chromium, Total (7440-47-3) | | | X | NA | NA | NA | NA | NA | NA | NA | mg/L | lbs/day | NA | NA | NA |
| 6M. Copper, Total (7440-50-8) | | | X | NA | NA | NA | NA | NA | NA | NA | mg/L | lbs/day | NA | NA | NA |
| 7M. Lead, Total (7439-92-1) | | | X | NA | NA | NA | NA | NA | NA | NA | mg/L | lbs/day | NA | NA | NA |

| EPA I.D. NUMBER *(copy from Item I of Form 1)* | OUTFALL NO. |
|---|---|
| LAD099393225 | 016 |

ITEM V-C CONTINUED

| 1. POLLUTANT AND CAS NO. *(if available)* | 2. 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. NUMBER OF ANALYSES |
| | | | | (1) CONCENTRATION | (2) MASS | (1) CONCENTRATION | (2) MASS | (1) CONCENTRATION | (2) MASS | | | | (1) CONCENTRATION | (2) MASS | |
| 8M. Mercury, Total (7439-97-6) | | | X | NA | NA | NA | NA | NA | NA | NA | mg/L | lbs/day | NA | NA | NA |
| 9M. Nickel, Total (7440-02-0) | | | X | NA | NA | NA | NA | NA | NA | NA | mg/L | lbs/day | NA | NA | NA |
| 10M. Selenium, Total (7782-49-2) | | | X | NA | NA | NA | NA | NA | NA | NA | mg/L | lbs/day | NA | NA | NA |
| 11M. Silver, Total (7440-22-4) | | | X | NA | NA | NA | NA | NA | NA | NA | mg/L | lbs/day | NA | NA | NA |
| 12M. Thallium, Total (7440-28-0) | | | X | NA | NA | NA | NA | NA | NA | NA | mg/L | lbs/day | NA | NA | NA |
| 13M. Zinc, Total (7440-66-6) | | | X | NA | NA | NA | NA | NA | NA | NA | mg/L | lbs/day | NA | NA | NA |
| 14M. Cyanide, Total (57-12-5) | | | X | NA | NA | NA | NA | NA | NA | NA | mg/L | lbs/day | NA | NA | NA |
| 15M. Phenols, Total | | | X | NA | NA | NA | NA | NA | NA | NA | mg/L | lbs/day | NA | NA | NA |
| **DIOXIN** | | | | | | | | | | | | | | | |
| 2,3,7,8-Tetachloro-dibenzo-P-Dioxin (1764-01-6) | | | X | NA | NA | NA | NA | NA | NA | NA | mg/L | lbs/day | NA | NA | NA |
| **GC/MS FRACTION - VOLATILE COMPOUNDS** | | | | | | | | | | | | | | | |
| 1V. Acrolein (1076-02-8) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 2V. Acrylonitrile (107-13-1) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 3V. Benzene (71-43-2) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 5V. Bromoform (75-25-2) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 6V. Carbon Tetra-chloride (56-23-5) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 7V. Chlorobenzene (108-90-7) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 8V. Chlorodibromo-methane (124-48-1) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 9V. Chloroethane (75-00-3) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 10V. 2-Chloroethyl-vinyl Ether (110-75-8) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 11V. Chloroform (67-66-3) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 12V. Dichlorobromo-methane (75-27-4) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 14V. 1,1-Dichloro-ethane (75-34-3) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 15V. 1,2-Dichloro-ethane (107-06-2) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 16V. 1,1-Dichloro-ethylene (75-35-4) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 17V. 1,2-Dichloro-propane (78-87-5) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 18V. 1,3-Dichloro-propylene (542-75-6) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 19V. Ethylbenzene (100-41-4) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |



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EPA I.D. NUMBER *(copy from Item I of Form 1)*: LAD099393225

OUTFALL NO.: 016

ITEM V-C CONTINUED

| 1. POLLUTANT AND CAS NO. *(if available)* | 2. MARK 'X' | | | 3. EFFLUENT | | | | | | | 4. UNITS | | 5. INTAKE *(optional)* | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | a. TEST-ING RE-QUIRED | 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. CON-CENTRATION | b. MASS | a. LONG TERM AVERAGE VALUE | | b. NUMBER OF ANALYSES |
| | | | | (1) CONCENTRATION | (2) MASS | (1) CON-CENTRATION | (2) MASS | (1) CON-CENTRATION | (2) MASS | | | | (1) CON-CENTRATION | (2) MASS | |
| 20V. Methyl Bromide (74-83-9) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 21V. Methyl Chloride (74-87-3) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 22V. Methylene Chloride (75-09-2) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 23V. 1,1,2,2-Tetra-chloroethane (79-34-5) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| Tetrachloro-ethylene (127-18-4) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 25V. Toluene (108-88-3) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 26V. 1,2-Trans-dichloro-ethylene (156-60-5) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 27V. 1,1,1-Trichloro-ethane (71-55-6) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 28V. 1,1,2-Trichloro-ethane (79-00-5) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 29V. Trichloro-ethylene (79-01-6) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 31V. Vinyl Chloride (75-01-4) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| **GC/MS FRACTION - ACID COMPOUNDS** | | | | | | | | | | | | | | | |
| 1A. 2-Chlorophenol (95-57-8) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 2A. 2,4-Dichloro-phenol (120-83-2) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 3A. 2,4-Dimethyl-phenol (105-67-9) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 4A. 4,6-Dinitro-O-Cresol (534-52-1) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 5A. 2,4-Dinitro-phenol (51-28-5) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 6A. 2-Nitrophenol (88-75-5) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 7A. 4-Nitrophenol (100-02-7) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 8A. P-Chloro-M Cresol (59-50-7) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 9A. Pentachloro-phenol (87-86-5) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 10A. Phenol (108-95-2) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 11A. 2,4,6-Trichloro-phenol (88-06-2) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| **GC/MS FRACTION - BASE/NEUTRAL COMPOUNDS** | | | | | | | | | | | | | | | |
| 1B. Acenaphthene (83-32-9) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 2B. Acenaphtylene (208-96-8) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 3B. Anthracene (120-12-7) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 4B. Benzidine (92-87-5) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 5B. Benzo(a)Anthracene (56-55-3) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |
| 6B. Benzo(a)Pyrene (50-32-8) | | | X | NA | NA | NA | NA | NA | NA | NA | µg/L | lbs/day | NA | NA | NA |



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