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September 14, 1995

U.S. Environmental Protection Agency
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Attn: Mr. William B. Hathaway (6WQ)
Division Director

Ref: Submittal of NPDES Permit Renewal Application
NPDES Permit No. LA 0042731

File No.: G1.11.7
RBG-41958
RBF1-95-0220

Dear Mr. Hathaway,

Entergy Operations, Inc. (EOI) is submitting a National Pollutant Discharge Elimination System (NPDES) permit renewal application for NPDES Permit No. LA0042731, issued to the River Bend Station in St. Francisville, Louisiana. The permit has an expiration date of March 15, 1996, and in accordance with requirements at 40 CFR § 122.21(d)(2), this NPDES permit renewal application is being submitted at least 180 days prior to the expiration date of the currently effective permit (i.e., by September 18, 1995).

The document, submitted in triplicate, consists of narrative text, U.S. EPA Application Forms 1, 2C, and 2F, and the required figures.

If you have any questions regarding this submittal, please contact Pamela Chapman at (504) 381-4389.

Sincerely,

James J Fisicaro

JJF/PWC/kvm
enclosure

JE23

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ENTERGY OPERATIONS, INC.
RIVER BEND STATION

APPLICATION FOR RENEWAL OF NPDES PERMIT NO. LA0042731

SEPTEMBER 1995

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APPLICATION FOR RENEWAL OF NPDES PERMIT NO. LA0042731

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1.0 INTRODUCTION

1.1 General

The Entergy Operations, Inc. (Entergy), River Bend Station currently discharges under authority of National Pollutant Discharge Elimination System (NPDES) Permit No. LA0042731 and Louisiana Water Discharge Permit System (LWDPS) Permit No. WP 0409. The NPDES and LWDPS permits were issued by the U.S. Environmental Protection Agency (U.S. EPA) and the Louisiana Department of Environmental Quality (LDEQ), respectively, and authorize discharge of facility wastewater/stormwater from nine final outfalls (001 - 009) and one internal outfall (102) to the Mississippi River.

The following information and U.S. EPA Application Form 1 (General Information), Form 2C (Wastewater Discharge Information), and Form 2F (Storm Water Discharges Associated with Industrial Activity) are being submitted in connection with the renewal of the site's existing NPDES permit.

U.S. EPA Forms 1, 2C, and 2F are included as Appendices A, B, and C, respectively. Section 2.0 provides a description of the site operations, location, and property boundaries. Effluent collection, treatment, and discharge are addressed in Section 3.0. Stormwater drainage, management, and discharge are discussed in Section 4.0. Section 5.0 includes pertinent information on wastewater and stormwater sampling and analyses conducted for this permit application. Section 6.0 addresses prior biomonitoring requirements and results.

1.2 Regulatory and Permitting Background

The operation of the Entergy River Bend Station and the discharge of treated wastewater and stormwater are regulated by the NPDES permit program administered by the U.S. EPA. The regulations for the NPDES program as they apply to the Entergy facility are set forth in Title 40 of the Code of Federal Regulations (CFR), specifically at 40 CFR Parts 122, 124, 125, 129, and 136. Additionally, the State of Louisiana Water Quality Regulations [Louisiana Administrative Code (LAC) at Title 33, Part IX, Chapters 1 through 15] as administered by the LDEQ apply to the Entergy facility. The establishment of effluent limitations in Entergy's NPDES and LWDPS permits is governed by the aforementioned regulations and is based upon the effluent guidelines and standards for the Steam Electric Power Generating point source category at 40 CFR Part 423.

Entergy currently operates and discharges treated wastewater and stormwater under the NPDES permit that was issued on February 15, 1991 (effective March 16, 1991 and expiring on March 15, 1996). In accordance with requirements at 40 CFR §122.21(d)(2), this NPDES permit renewal application is being submitted at least 180 days prior to the expiration date of the currently effective permit.

Entergy currently operates under the LWDPS permit issued on May 28, 1987 (effective on date of issuance), with an expiration date specified as five years from the date of issuance (May 27, 1992). The LWDPS permit was subsequently modified on May 23, 1991 as requested by Entergy. An LWDPS permit renewal application was submitted on January 27, 1992. Although the LWDPS permit does not presently include Outfall 009, Entergy did address this outfall in the 1992 permit renewal application. The LWDPS permit is currently in the process of being reissued by the LDEQ and will be updated to reflect current site conditions (i.e., outfalls).

2.0 SITE OPERATIONS AND PROPERTY DESCRIPTION

The Entergy River Bend site is a nuclear fuel steam generation facility, Standard Industrial Classification (SIC) Code Number 4911. The site received a full-power license from the U.S. Nuclear Regulatory Commission (NRC) on November 20, 1985 and achieved commercial operation on June 16, 1986. The facility's generating capacity is 934 megawatts (NET) electrical. The commercial generation of electricity is provided by a General Electric BWR-6 reactor with Mark III containment.

The Entergy facility is located at 5485 U.S. Highway 61 in St. Francisville (West Feliciana Parish), Louisiana. It is situated on approximately 3,800 acres in Section 48, Township 3 South, Range 3 West; Sections 41, 44, 45, 57, 58, 59, 60, 62, 63, and 65, Township 3 South, Range 2 West; and Sections 45 and 66, Township 4 South, Range 2 West. Figure 1 is a Site Location Map showing the setting of the River Bend Station and the location of the designated discharge outfalls. Approximately 132 acres of the property have been developed for steam electric power generating activities. The facility is located between U.S. Highway 61 (on the northeast) and the east bank (left descending bank) of the Mississippi River near River Mile 262. The northwest and southeast boundaries adjoin undeveloped land.

The developed portion of the plant site has a topography with an average elevation of approximately 100 feet National Geodetic Vertical Datum (NGVD). Rolling hills occupy a considerable area of the Entergy property surrounding the developed portion, and the elevations for the entire property range from approximately 35 to 130 feet NGVD.

The locations of permitted final Outfalls 001 - 009 and internal Outfall 102 are shown on Figure 1. Also shown on Figure 1 are the locations of active water wells in the near vicinity (one-mile radius) of the Entergy site that are registered with the Louisiana Department of Transportation and Development (LDOTD), Office of Public Works. Wells shown include those used for industrial, domestic, fire suppression, and power generation purposes. Plugged wells, monitor wells, test holes, piezometers, observation wells, and recovery wells are not included. Summarized in Table 1 is relevant information on each water well in the LDOTD inventory shown on Figure 1.

Figure 2 is a Site Plan and Stormwater Drainage Map depicting pertinent features of the Entergy River Bend Station.

3.0 EFFLUENT COLLECTION, TREATMENT, AND DISCHARGE

This section addresses water use and wastewater generation, collection, treatment, and discharge (including stormwater management) at the Entergy River Bend Station. While overall stormwater management and discharge are discussed in this section, specific site information required by the NPDES stormwater permit application regulations (and U.S. EPA Form 2F) is addressed in Section 4.0.

3.1 Permitted Outfalls

Water used in the facility for cooling purposes is obtained from the Mississippi River via a single intake structure. It is clarified before use in the cooling towers. Water used in the facility for potable, sanitary, fire suppression, process, and auxiliary boiler feed purposes is obtained from four on-site wells, the locations of which are shown on Figure 1. Some well water is treated by a reverse osmosis process (ion exchange) for plant use. Figure 3 depicts Station Water Flows. Components of each outfall and wastewater treatment, as applicable, are described below.

<u>Outfall 001</u>

This is the River Bend Station's main water discharge outfall to the Mississippi River (Water Quality Management Basin Segment Number 070201). It consists of cooling tower blowdown and other wastewater streams previously monitored at designated outfalls. These other outfalls include the metal cleaning wastewater discharge (Outfall 102), the low-volume chemical wastewater discharge (Outfall 002), and the treated sanitary wastewater discharge (Outfall 004). Entergy redirected the treated sanitary wastewater (Outfall 004) from discharge to Grant's Bayou to Outfall 001 during the refueling outage in March 1992.

Cooled water from cooling towers is pumped through the turbine condenser and service water heat exchangers, and the heated water is returned to the cooling towers. Four eight-cell induced draft cooling towers reject heat from the turbine condenser, and one five-cell induced draft cooling tower rejects heat from the service water heat exchangers. Water losses from drift and evaporation are replenished with clarified river water. Clarifier sludge is diluted with river water to approximately 4% solids and returned to the Mississippi River (via a discharge line separate from Outfall 001) as shown on Figure 3. Cooling tower blowdown is accomplished by directing cooled water from the cooling tower flume via a portion of the condenser pumps' discharge to a common discharge header leading to Outfall 001. This diversion of pumpage is normally valved to provide a minimum of 2,200 gallons per minute or gpm (3.17 million gallons per day or MGD) blowdown rate. During full power, hot weather operation of River Bend Station, cooling water blowdown occurs at approximately 3,500 gpm (5.04 MGD), but may occur at rates up to 7,000 gpm (10 MGD).

Cooling tower blowdown, metal cleaning wastewater (described in more detail for Outfall 102), low-volume chemical wastewater (described for Outfall 002), and sanitary wastewater treatment effluent (described for Outfall 004) merge into a common discharge header for conveyance to the Mississippi River via a 2.6-mile long, buried pipeline (see Figure 1).

The discharge volume of Outfall 002 constitutes approximately 10% of the flow from Outfall 001 for about three hours per day and less than 2% of the flow for the remainder of the day during full power operation. The discharge volume of Outfall 004 constitutes less than 2% of the flow through Outfall 001. Residual chlorine levels are reduced by treatment with ammonium (or sodium) bisulfite injection into the combined Outfall 001 effluent downstream of the common discharge header, prior to discharge to the Mississippi River. Permit compliance monitoring is performed at the exposed vacuum-break chamber of the 30-inch diameter buried pipeline approximately 300 meters before the pipeline enters the floodplain. This pipeline emerges on the east bank of the river in the discharge control structure located at approximately River Mile 262. The 30-inch diameter submerged discharge is located 610 feet downstream of the plant's river water intake structure (see Figure 1).

Outfall 002

This outfall is the power station low-volume chemical wastewater discharge to the cooling tower flume or to the common discharge header leading to Outfall 001 which discharges to the Mississippi River. It consists of the treated water and wastewater from the following sources:

(1) intermittent ion-exchange resin backwash, regeneration, and reverse osmosis reject waters from makeup water polishing (demineralized water production);

(2) intermittent auxiliary boiler blowdown;

(3) intermittent metal cleaning wastewater discharge (monitored as Outfall 102);

(4) intermittent reverse osmosis wastewaters, filter backwash from service water polishing, and/or feed-and-bleed from the service water system and the standby cooling tower; and

(5) intermittent wastewaters from floor washdown, equipment washing, personnel decontamination, laboratory drains, and treated wastewaters from low-level, solid radioactive waste dewatering (Note: These treated wastewaters are discharged when recycling to condensate storage, demineralization, and reuse as boiler feed is not available).

There are two treatment systems associated with Outfall 002. The wastewaters described in Items (1) and (2) above are always pumped, and the wastewater described in Item (3) above is pumped on an intermittent, as-needed basis, to one of two 30,000-gallon capacity treatment tanks for neutralization before discharge. A process monitor controls the discharge from these tanks, recirculating the tank contents until the pH is within preset limits, then allowing the diversion of the treated water through disposable filter cartridges to the common discharge header (to Outfall 001). If the process monitor senses an unacceptable shift in pH during discharge, the wastewater is diverted back to the tanks for further treatment. Neutralization, filtration, and other treatments may be provided by a contracted service or with temporary equipment for special projects, with treated effluent discharged to the cooling tower flume or directly to the common discharge header. Solids removed during wastewater treatment are sent for approved off-site disposal.

With further regard to the wastewaters described in Items (1) and (2), polishing is necessary for well water used in the plant and the auxiliary boiler. Polishing is accomplished through reverse osmosis and ion-exchange systems. The auxiliary boiler is brought in by a contractor every 18 months or so when the reactor has been inactive and needs to be restarted. Boiler blowdown is routed to the non-radioactive, low-volume wastewater treatment system and Outfall 002. Approximately twice per year, the ion-exchange system is restored, and the resulting ion-exchange resin backwash and regeneration wastes are routed to the non-radioactive, low-volume wastewater treatment system and Outfall 002. During polishing of the makeup water, a reverse osmosis reject stream is produced. This wastewater is currently intermittently routed to the non-radioactive, low-volume wastewater treatment system and Outfall 002. By this application, Entergy is requesting authorization to reroute the reverse osmosis reject (ROR) from Outfall 002 to Outfall 006. The reverse osmosis reject water is intermittently produced, at 25 gpm during operation (24-hour period for three days, every two weeks); this results in a long-term average flow rate of 7,714 gallons per day (gpd). In order to facilitate process operation, Entergy wishes to reroute this wastewater from Outfall 002 to Outfall 006. Entergy believes that routing this concentrated well water back into the environment without treatment will have no adverse effects on the environment. Effluent characterization data are presented on Form 2C (as Outfall ROR).

In a separate treatment system, low-level radioactive wastewater from the steam condenser system, reactor water cleanup system, and fuel pool system demineralizers' backwash, as well as solid radioactive waste dewatering, floor and lab drains, equipment washing/draining, and personnel decontamination [Item (5) above] is collected in one of nine 25,000-gallon holding tanks for filtration and/or demineralization. Treated water collects in one of four 19,500-gallon recovery tanks for monitoring of boiler water quality and radioactivity. The station recycles this water whenever demineralization achieves boiler water quality and sufficient tankage exists. Otherwise, the treated wastewater is metered to the common discharge header (to Outfall 001) at a rate ensuring compliance with 10 CFR Part 20 and 10 CFR Part 50 - Appendix I standards. When this treated wastewater must be discharged, the tank is sampled during recirculation to verify that all parameters are within permit limits. If the wastewater is not within permit limits, the tank is reprocessed for permit compliance prior to discharge. The ion-exchange resins used in these demineralization processes are replaced instead of regenerated. The station disposes of these resins and other solids removed during the treatment of these low-volume wastes in accordance with NRC, U.S. EPA, U.S. Department of Transportation (DOT), and applicable state requirements.

Permit compliance monitoring is performed on these two treated effluent streams before they are released to the river via the common discharge header (to Outfall 001). The results of each are combined (flow-weighted) for reporting as Outfall 002.

Outfall 102

This outfall discharges the treated metal cleaning wastewater [listed also as Item (3) under Outfall 002 above]. This wastewater is discharged on an intermittent basis only. The cleaning and passivation stages use specialized chemicals designed to remove scale and corrosion products from iron, copper, zinc, and nickel surfaces. The cleaning/passivation stages are usually followed by a rinse with fresh or demineralized water. Treatment for this wash and rinse water typically consists of contracted services that may include biodegradation, precipitation of dissolved metals, filtration, and neutralization. If the quality of the treated water is suitable, it is chlorinated and recycled to the cooling tower makeup water system. Permit compliance monitoring is performed before the wastewater is recycled or discharged. If recycling is not available, compliance monitoring is performed as the treated water is conveyed to the non-radioactive, low-volume wastewater treatment system (Outfall 002) or pumped directly to the common discharge header (Outfall 001). This batch treatment may yield 100,000 gallons of treated water per day, discharged at up to 400 gpm. This discharge occurs very infrequently. This wastewater has only been discharged once since the River Bend Station became operational, and this was during a three-month period in 1992.

Outfall 003

This outfall discharges the non-radioactive floor drain wastewater and transformer yard wastewater/stormwater. Three oil/water separators discharge through the storm drain system to Outfall 003, then to Outfall 006, then to the East Creek, and then to Grant's Bayou which ultimately discharges to the Mississippi River. Two of the oil/water separators receive intermittent fire suppression water (from sprinklers) and stormwater runoff from within the River Bend Station electric power distribution transformer yards. The third oil/water separator receives wastewater from floor drains within power plant buildings not associated with the nuclear reactor, and therefore having no potential for radioactive contamination.

These non-radioactive floor drain wastewaters consist of well water, fire suppression water, and domestic (potable) water.

During the refueling outage beginning in March 1992, the plant's cooling water system was modified to isolate the service water system from the condenser cooling system. To prevent this chemically treated service water from entering the storm drain system, these non-radiologically-contaminated floor drains have been isolated from the yard drain system. These floor drains were rerouted to the sanitary waste treatment system.

Outfall 004

The wastewater discharged via this outfall is the treated sanitary wastewater from facilities throughout the River Bend Station. The existing sewage treatment plant and Outfall 004 currently discharge via Outfall 001 to the Mississippi River. A new sewage treatment plant is under construction. When it becomes operational, the location of Outfall 004 will change as shown on Figure 2. Construction is anticipated to be completed by late 1995. The following discussion addresses the design and operation of the new sewage treatment plant. Treatment consists of two parallel systems, one for the sanitary discharge from the power plant, and another system for all other sanitary discharges from the River Bend Station. No personnel decon water is allowed to the sanitary system from "radiologically-active" portions of the power plant. Both treatment systems are comprised of an aerated lagoon followed by a sedimentation pond and a rock filter basin. Influent wastewater passes through a bar screen prior to entering the aerated lagoons. Undesirable microbial activity within the sedimentation pond will be removed by the rock filter basin. The design life for the sedimentation ponds and rock filter basins is 20 years. Effluent from both systems drains by gravity to lift stations, where it is pumped to a common sand filter. Treated effluent drains by gravity through the sand filter and through an ultraviolet disinfection unit immediately prior to monitoring for permit compliance. The treated effluent is pumped to a sump that is normally pumped to the common discharge header. There, the effluent is combined with cooling tower blowdown and other monitored outfalls for discharge via final Outfall 001 to the Mississippi River. During infrequent maintenance activities on the common discharge header, the treated sanitary effluent will temporarily be routed to Grant's Bayou via Outfall 005. Solids removed by sedimentation and tertiary filtration are sent for approved off-site disposal.

As described above, the plant's cooling water system was modified in March 1992 to isolate the service water system from the condenser cooling system. This isolated service water system contains a biocide as part of its chemical treatment. To prevent this chemically treated service water from entering the storm drain systems, these non-radiologically-contaminated floor drains, including one oil/water separator, were isolated from the yard drain system. These floor drains were rerouted to the sanitary waste treatment system (and will continue to be routed to the new sewage treatment plant), and as discussed above the effluent from the sanitary waste treatment system was rerouted from Grant's Bayou to the Mississippi River via the cooling tower blowdown common header (and Outfall 001).

Outfall 005

Outfall 005 discharges stormwater runoff from the industrial materials storage area and the Low Level Waste Storage Building area to Grant's Bayou as shown on Figure 2. As discussed above for Outfall 004, a new sewage treatment plant is under construction. Stormwater from the 3.3-acre area surrounding the new sewage treatment plant will be discharged through Outfall 005. Outfall 004, normally discharged to the Mississippi River, will be diverted to Outfall 005 during scheduled maintenance of the common discharge header/valves. Therefore, Entergy requests that Outfall 005 specifically be authorized by the renewal permit for (1) this additional source of stormwater and (2) the infrequent and temporary discharge of treated sanitary effluent.

Outfall 006

Outfall 006 includes the discharge of the drainage conveyances from the east side of the River Bend Station to the East Creek and then to Grant's Bayou as shown on Figure 2. It consists of stormwater from a significant portion of the power station; *de minimis* quantities of cooling tower drift/mist; condensate from oil-free, electric-driven and backup diesel air compressors; reverse osmosis reject (requested in this permit application); discharge from Outfall 003; and a portion of the discharge from Outfall 008. The station building roof and yard drain systems direct drainage to a ditch called East Creek, which receives stormwater runoff from the site.

A relatively new source to Outfall 006 is condensate from recently installed air compressors associated with the Instrument Air/Service Air Systems. Six of the compressors are electric and oil-free and will operate continuously. There are two backup compressors which will operate only when the main units are out of service: one electric, oil-free compressor and one diesel-driven air compressor. The two backup compressors will also be tested weekly. It is estimated that flow from condensate drains for these systems will be approximately 16 gpm (to Outfall 006) when operating. Entergy notified the U.S. EPA and the LDEQ of this discharge in letters dated February 14, 1995 and May 16, 1995. The LDEQ responded with an August 10, 1995 letter of no objection regarding this discharge through Outfall 006. Entergy requests that the renewal permit specifically authorize the discharge of air compressor condensate through Outfall 006.

As discussed previously, Entergy requests specific authorization to reroute reverse osmosis reject water from Outfall 002 to Outfall 006. Effluent characterization data are presented on Form 2C (as Outfall ROR).

Outfall 007

Outfall 007 includes the discharge of the drainage conveyances from the west and north sides of the plant to West Creek and then to Grant's Bayou as shown on Figure 2. It consists of stormwater from the west and north sides of the plant and a portion of the discharge from Outfall 008. A network of small ditches from office areas, warehouse areas, materials storage areas, and equipment and vehicle maintenance areas (including *de minimis* quantities of domestic water vehicle rinsate) connect to a drainage ditch called West Creek which receives stormwater runoff from these areas of the site.

Outfall 008

The discharges designated and monitored as Outfall 008 result from the hydrostatic testing and flushing of piping systems and vessels, including periodic required flushing and testing of the Fire Protection Water Supply System and the Automatic Sprinkler System. Wastewater from hydrostatic testing and flushing activities is usually conveyed from the power plant and support areas by hoses or temporary piping to yard drains or ditches for discharge to either East Creek (via Outfall 006) or West Creek (via Outfall 007) and then to Grant's Bayou. Some of these activities may also direct wastewater to the sanitary waste treatment system (to Outfall 004) via non-radiologically-contaminated plant floor drains or to the cooling tower flume for discharge to the river (via Outfall 001). Flushing and hydrostatic testing is usually performed with well water. Occasionally, demineralized water may be used, which, upon standing in storage, absorbs carbon dioxide resulting in pH levels sometimes as low as 5.6 standard units.

Outfall 009

While this stormwater outfall is currently addressed and authorized in NPDES permit number LA0042731 for the River Bend Station, it is a proposed new outfall for LWDPS permit number WP 0409. This outfall is the stormwater discharge from part of the cooling tower yard to Grant's Bayou on the extreme eastern side of the power station as shown on Figure 2. Stormwater runoff and *de minimis* quantities of cooling tower drift/mist drains by gravity from the cooling tower area eastward to Grant's Bayou via Outfall 009.

3.2 Ancillary Water Systems

The cooling water treatment program to minimize scaling, biofouling, and corrosion of plant metallurgy consists of the following:

Cooling Tower Water

The following may be added to the river water intake pumps/piping and clarifiers providing cooling tower makeup for condenser cooling and service water cooling:

- Cationic coagulant, occasionally supplemented with anionic flocculent during periods of low river water turbidity, may be added to river water clarifiers for silt and colloid removal. Control of pH may be undertaken subsequently to enhance this process.

- Clarifier clearwells may be shock chlorinated with sodium hypochlorite and possibly sodium bromide for control of algae and macrofouling agents such as the zebra mussel, *Dreissena polymorpha*.

- Clarifier sludge is diluted with river water to approximately 4% solids and returned to the Mississippi River.

- Sodium hypochlorite and possibly sodium bromide may be injected intermittently, or continuously at lower levels, into the river water intake at the river to control infestation of the intake pipeline by the zebra mussel. Alternatively, a non-oxidizing biocide, such as a quaternary amine, may be added occasionally to the river water intake at the river to control infestation by zebra mussels. This occasional use of the non-oxidizing biocide is planned to occur on a 3- or 4-day per year basis, depending on the entrainment of the zebra mussel larvae. This infrequent use of non-oxidizing biocide in the river water intake system is strictly for the protection of the buried pipeline to the intake water clarifiers. Its use is not expected to produce a detectable biocide residual in the cooling tower water or in cooling tower blowdown that is ultimately discharged via Outfall 001.

The following may be added to the cooling towers/flumes:

- Zinc salts, and/or phosphate salts, blended with an anionic copolymer, and/or terpolymers may be added for mild corrosion control of steel structures (piping, vessels, etc.).

- Tolyltriazole salts may be added for copper and brass corrosion control.

- A polyacrylate polymer/hydroxyethylidene diphosphonate (HEDP) blend may be added for scaling control.

- Sodium hypochlorite and possibly sodium bromide/surfactant blend may be added for biofouling control.

- Sulfuric acid may be added for pH control.

- The cooling tower system operation normally results in 4 to 6 cycles of concentration. The cooling tower blowdown is dechlorinated with ammonium (or sodium) bisulfite as needed before discharge to the river.

Isolated Service and Standby Cooling Water

The isolated service water is made up with demineralized water to which may be added molybdate, nitrite, and tolyltriazole sodium salts for corrosion control, polyacrylate dispersant for scaling control, sodium hydroxide for pH control, very low levels of an antifoaming agent, and a broad spectrum biocide such as isothiazoline, glutaraldehyde, or dibromonitrilopropionamide.

The standby cooling water is a reservoir of 6.5 million gallons made up from fresh well water and a multicell induced draft cooling tower to which may be added sodium hypochlorite and possibly sodium bromide/surfactant, hydrogen peroxide, and/or a broad spectrum biocide such as isothiazoline, glutaraldehyde, or dibromonitrilopropionamide for biological control. This system provides backup emergency cooling of nuclear safety related systems in the event that normal cooling becomes unavailable. During refueling outages, at 18-month intervals, this standby cooling tower is operated for several weeks with the isolated service water while the normal systems undergo maintenance. The water treatment chemicals listed above for the isolated service water system are added to the reservoir to maintain the corrosion and biological control attributes of the isolated service water. Cooling tower reservoir water level and water quality are controlled by feed-and-bleed with fresh well water, with the reject water discharged via Outfall 002.

Auxiliary Boiler Water

The following may be used for auxiliary boiler makeup: zeolite softeners for demineralization, sodium sulfite or hydrazine for oxygen removal, phosphate salts for scaling control, and sodium hydroxide for pH control.

Fire Suppression Water

The following may be used for protection of the fire suppression water system: sodium hypochlorite and possibly sodium bromide or a biodegradable biocide for biofouling control, sodium hydroxide for pH control, and phosphate or molybdate/nitrite salts for corrosion control.

With the exception of the zinc salts noted above, no chemicals which contain any of the priority pollutants listed in 40 CFR Part 423, Appendix A, are used for treatment of cooling water or service waters discharged to the environment.

4.0 STORMWATER DRAINAGE, MANAGEMENT, AND DISCHARGE

In accordance with the requirements of the revised NPDES stormwater discharge permit application regulations under 40 CFR §122.26, Entergy is presenting the following discussion on stormwater management at the River Bend Station. This discussion is presented in conjunction with the information required in connection with and provided on U.S. EPA Form 2F (Appendix C) as it relates to the currently permitted NPDES stormwater Outfalls 003, 005, 006, 007, and 009 which discharge stormwater associated with industrial activity from the site. The drainage areas for these stormwater outfalls are described in Section 3.0. The quantitative analytical data characterizing the stormwater discharged through the stormwater outfalls are presented on Form 2F. Other nonanalytical information required by Form 2F is provided below for stormwater discharged through, and the drainage areas served by, the stormwater outfalls at the site.

Stormwater runoff at the Entergy site from all areas associated with industrial activity (as defined by 40 CFR §122.26) is discharged through Outfalls 003, 005, 006, 007, and 009. Stormwater runoff at the site from areas which are not associated with industrial activity discharges from the site by either sheet flow or point sources which do not require permitting under 40 CFR §122.26. Figure 2 depicts features at the Entergy site pertinent to stormwater. This figure illustrates the areas from which stormwater drains into the outfalls, direction of stormwater flow to these outfalls, intake and discharge structures, and structural control measures designed to reduce pollutants in stormwater. Also, Figure 4 shows surface types in the areas drained by the outfalls (i.e., impervious versus non-impervious). Hazardous waste storage units and areas where significant materials that are potentially exposed to stormwater are handled or stored are shown on Figure 2. Table 2 is an inventory of the significant materials storage/unloading areas and lists the containment associated with each area. Table 3 is an inventory of significant materials within oil storage areas; most of these areas are not shown on Figure 2 because they are located inside of buildings and thus have no potential to impact stormwater. The transformers listed in Table 3 are also not shown on Figure 2 because they are too numerous.

Structural controls used to minimize the potential for stormwater contamination include containment dikes/berms around the toxic or hazardous materials handling areas, tanks, and the hazardous/nonhazardous waste storage areas. Sloping and grading of roads and lands are used to direct stormwater runoff to a storm drain where appropriate. The storm drain system of pipes and ditches provides a mechanism to contain and control runoff, facilitating the effective use of countermeasure plans in spill control.

Nonstructural measures employed at the site which aid in the management of stormwater include:

- Stormwater Pollution Prevention Plan,
- Spill Prevention Control and Countermeasure Plan,
- Hazardous Waste Management Plan
- Environmental Inspections,
- Plant Emergency Response Plan,
- Employee Safety Training Programs, and
- Equipment Preventive Maintenance Programs.

These programs have definite schedules which encourage awareness of the importance of the program and require equipment operational tests and repairs which assist in minimizing the potential for contaminant releases.

Entergy has no hazardous waste treatment or disposal units. Hazardous waste storage units are shown on Figure 2 and include a Hazardous Waste Storage Building (with a concrete berm inside) which is utilized for the purpose of 90-day or less accumulation of drums of hazardous wastes prior to their shipment for off-site disposal. Hazardous wastes stored in this area include paint waste, paint thinner, fuel operation waste, photographic waste, and waste varsol. The shop area has an outside, but under roof, hazardous waste satellite storage area for paints and solvents within concrete containment. Because the River Bend Station is a nuclear fuel electric power generation plant, very little process hazardous waste is generated. Most hazardous waste is generated from construction, maintenance, and other support activities. Radioactive hazardous waste is generated inside the power plant and is thus contained within the confines of the radiologically-controlled area.

The River Bend Station employs numerous operational practices to avoid and/or contain all potential releases of significant materials. Significant materials used in the process areas are stored or handled such that they will not impact stormwater runoff. All roads at the site are used for the transport of significant materials. Loading and unloading areas are shown on Figure 2.

Entergy uses herbicides such as Roundup® at the River Bend Station in limestone areas, landscape areas, and parking lots. Previous typical usage of Roundup® was approximately three gallons per year. Herbicides are only used in areas which, if exposed to stormwater, are within the drainage of permitted outfalls. *De minimis* quantities of fertilizers, soil conditioners, and insecticides may be used in plant areas which, if exposed to stormwater, are within the drainage of permitted outfalls.

Significant leaks or spills of toxic or hazardous substances at the site during the last three years are required to be reported in accordance with 40 CFR §122.26(c)(1)(i)(D). "Significant spills" are defined as the release within a 24-hour period of toxic or hazardous substances in excess of reportable quantities under Section 311 of the Clean Water Act and/or Section 102 of the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA). Reportable Quantities are predefined amounts of substances as listed in 40 CFR Part 117 and 40 CFR Part 302. There have been two reportable spills/leaks at the Entergy River Bend Station in the last three years, and both had minimal potential to be exposed to precipitation or the potential to drain to a stormwater conveyance. On October 20, 1992, a spill involved 70 gallons of sodium hypochlorite (15.0%), and on March 10, 1993, a spill involved 500 gallons of sodium hypochlorite (12.0%). Both releases involved sodium hypochlorite which was spilled within the concrete berm of a tank in the Water Chemical Addition Area. The spilled material was recovered for normal usage.

5.0 WASTEWATER AND STORMWATER SAMPLING AND ANALYTICAL CONSIDERATIONS

In accordance with the requirements of U.S. EPA Application Forms 2C and 2F, wastewater effluent analytical data were obtained for each outfall discharge. Representative wastewater and stormwater samples from all of the permitted outfalls were collected as required by NPDES regulations at 40 CFR §122.21 and 40 CFR §122.26.

Effluent characterization data are presented on Form 2C for non-stormwater outfalls or for non-stormwater components of an outfall (for those which discharge a combination of stormwater and non-stormwater sources). Flow rate data obtained from Discharge Monitoring Reports (DMRs) for the period February 1993 through January 1995 and analytical data for the period February 1994 through January 1995 for those parameters that are required to be monitored at the outfalls have been included on Form 2C, Part V. Because Outfall 102 has not discharged in recent years, it could not be sampled for this permit application. Instead, historical analytical data for Outfall 102 are summarized on Table 4. Sampling activities were conducted at the other non-stormwater outfalls for the permit application as follows.

For Outfall 001 (process wastewater), a 24-hour sampling event was conducted on June 22 through 23, 1995 in order to obtain the required analytical data. Because this outfall discharges continuously, a 24-hour flow-weighted composite sample was collected for all analyses, except for those pollutants (oil and grease, pH, temperature, fecal coliform, total phenols, cyanide, and total residual chlorine) which require grab samples as specified at 40 CFR §122.21(g)(7). During the June 22 through 23, 1995 sampling period, four discrete volatile organic compound (VOC) sample aliquots were manually collected; these aliquots were combined in equal volumes by the analyst in the laboratory immediately before analysis to prepare a single composite sample. A grab sample was collected at Outfall 001 on June 28, 1995 for fecal coliform analysis. A 24-hour composite flow-weighted sample was collected at Outfall 001 on August 28 through 29, 1995 for polychlorinated biphenyls (PCBs) analyses.

Outfall 002 (process wastewater) was sampled by obtaining separate grab samples from the two low-volume wastewater treatment systems. Twenty-four-hour composite samples were not collected because both sources are intermittent, not continuous, discharges. The sample at the low-volume waste treatment system (no low-level radioactivity contribution sources) will be hereafter referred to as Outfall 002A, and the other sample at the low-level radioactive, low-volume waste treatment system will be referred to as Outfall 002B. Grab samples were collected on June 21, 1995 at Outfall 002B and on June 22, 1995 at Outfall 002A, and analyzed separately. The results of the two samples were flow-weighted and combined to characterize the combined wastewater discharged through Outfall 002. Outfall 002A was resampled on August 29, 1995 for mercury analysis.

For Outfall 003 (nonprocess wastewater), the intermittent, dry-weather discharge from the oil/water separator which receives wastewater from non-radiologically contaminated power plant floor drains (consisting of well water, fire suppression water, and domestic potable water) was sampled on June 22, 1995. Only grab samples were collected because this source to Outfall 003 is an intermittent, not continuous, discharge. A sample was collected on June 28, 1995 for fecal coliform analysis. Because this outfall consists of two other stormwater sources, DMR data were not included on the Form 2C (which represents only the non-stormwater component); instead, a DMR summary is presented on Table 5 (representing all three sources to the outfall).

For Outfall 004 (nonprocess and sanitary wastewater), a 24-hour sampling event was conducted on June 21 through 22, 1995 in order to obtain the required analytical data. Because this outfall discharges continuously, a 24-hour flow-weighted composite sample was collected for all analyses, except for those pollutants which require grab samples as specified at 40 CFR §122.21(g)(7). During the June 21 through 22, 1995 sampling period, four discrete VOC sample aliquots were manually collected; these aliquots were equally combined by the analyst in the laboratory immediately before analysis to prepare a single composite sample. A grab sample was collected on June 28, 1995 for fecal coliform analysis.

Outfall 008 (nonprocess wastewater) was sampled on June 22, 1995. Only grab samples were collected because this is an intermittent, not continuous, discharge.

The reverse osmosis reject source (referred to as Outfall ROR on the Form 2C) to Outfall 002 (which is being requested for rerouting to Outfall 006) was sampled on June 22, 1995. Only grab samples were collected because this is an intermittent, not continuous, discharge.

Effluent characterization data are presented on Form 2F for stormwater outfalls or for stormwater components of an outfall's discharge (for those which discharge a combination of stormwater and non-stormwater sources). Flow rate data obtained from DMRs for the period February 1993 through January 1995 and analytical data for the period February 1994 through January 1995 for those parameters that are required to be monitored at the outfalls are summarized in Tables 5 through 9. Sampling activities were conducted at the stormwater outfalls for the permit application as follows.

First-flush and composite samples for Outfalls 003, 005, 006, 007, and 009 were collected during a storm event on July 5, 1995 which had a total rainfall of 0.32 inch and a duration of approximately four hours. The previous rainfall event with at least 0.1 inch of rainfall occurred on July 1, 1995. Form 2F includes flow data for the discharge of stormwater through the outfalls during the sampling event and the areas which contribute to the total drainage area of the outfalls.

Outfall 003 has two stormwater sources from oil/separators associated with the transformer yards (auxiliary and main). Stormwater samples were collected at only one of the stormwater oil/separators (the auxiliary), because it has been determined that the two oil/water separators discharge stormwater which is "substantially identical" [as allowed at 40 CFR §122.21(g)(7)].

6.0 SUMMARY OF FRIOR BIOMONITORING REQUIREMENTS AND RESULTS

As required by 40 CFR §122.21(g)(11), information on biological toxicity tests conducted within the last three years on Entergy's discharges is included in this permit renewal application.

Entergy performed toxicity tests during three molluscicide treatments of the Mississippi River intake water during the previous three-year period. A chronic elutriate toxicity test using *Ceriodaphnia dubia* and a chronic 10-day static, solid-phase, sediment toxicity test using *Hyalella azteca* were conducted on samples of sediment from the intake water clarifier collected prior to and during the first two molluscicide applications, January 6 and November 10, 1994. Acute 48-hour static-renewal toxicity tests using *Daphnia pulex* and *Pimephales promelas* was conducted on Outfall 001 effluent collected August 17, 1995. Each molluscicide application consisted of an approximate 8-hour period in which the non-oxidizing Calgon molluscicide H130M or Betz molluscicide CT-2 was injected into the Mississippi River water intake system. In the first two applications, samples of clarifier sediment were collected one day prior to molluscicide application (untreated sample) and during application (treated sample). During the third molluscicide application only Outfall 001 effluent, containing clarifier blowdown, was collected for toxicity testing.

The chronic elutriate toxicity tests were conducted with three elutriate concentrations (25%, 50% and 100%) and two control treatments (a sediment control and a water only control). Reconstituted moderately hard water was used as the dilution and control water. The chronic 10-day static, solid-phase sediment toxicity tests consisted of one treatment and a control with the overlying water consisting of reconstituted moderately hard water. The 48-hour acute static-renewal toxicity tests consisted of five effluent dilutions (0.2%, 0.3%, 0.4%, 0.6% and 0.8% effluent) in addition to two control treatments (laboratory and dilution water control). Dilution water consisted of Mississippi River water.

No Observed Effect Concentration (NOEC) values were calculated for the *Ceriodaphnia dubia* chronic elutriate toxicity tests and the *Daphnia pulex* and *Pimephales promelas* acute toxicity tests. NOEC values are the highest concentration of effluent or elutriate to which organisms are exposed which causes no statistically significant adverse effect on organism survival or reproduction in comparison with the control (0% effluent, 0% elutriate). In the *Hyalella azteca* solid-phase toxicity tests, percent survival and growth, as measured as average dry weight, were compared to the control for significant differences.

Test results from the clarifier sediment toxicity tests are presented in Table 10. *Ceriodaphnia dubia* survival in the January 6 and November 10, 1994 tests and reproduction in the November 10, 1994 tests were not significantly different from the control in either the untreated or treated clarifier sediment tests. Reproductive effects in the January 6, 1994 tests could not be determined due to the poor performance in the control treatment.

Hyalella azteca survival in the January 6 and November 10, 1994 tests and growth in the January 6, 1994 tests were not significantly different from the control in either the untreated or treated clarifier sediment tests. Growth was significantly different from the control in the untreated and treated tests conducted November 10, 1994.

In a letter to Entergy dated May 23, 1995 (see Appendix D), the LDEQ stated that 48-hour acute toxicity testing would be sufficient to monitor effluent quality during molluscicide application. A molluscicide application event was conducted on August 17, 1995, and acute toxicity test results are presented in Table 10. The acute 48-hour survival NOEC value for both the *Daphnia pulex* and *Pimephales promelas* test species was 0.8% effluent, which was the highest effluent dilution required to be tested.

TABLES

TABLE 1

ENTERGY RIVER BEND STATION INVENTORY OF WATER WELLS IN THE VICINITY OF THE SITE

Well Number [1]	Owner	Latitude Longitude	Well Depth [2]	Well Use
68	Ed Daniels	30°45'50" 91°18'58"	483	Domestic
69	Ed Daniels	30°45'50" 91°18'59"	168	Domestic [3]
82	J.E. Poche Jr.	30°46'02" 91°19'17"	510	Domestic
84	Ricks	30°46'12" 91°20'34"	180	Domestic
85	Adda Markie	30°45'37" 91°20'40"	103	Domestic [3]
87	Murphy Dreher	30°46'14" 91°19'28"	497	Industrial
91	H. Daniel	30°46'08" 91°19'07"	485	Domestic
241	J. Rogers	30°46'13" 91°20'35"	161	Domestic
246	Entergy River Bend Station	30°45'18" 91°19'52"	1,821	Power Generation
256	Entergy River Bend Station	30°45'19" 91°19'50"	124	Fire Protection
257	Entergy River Bend Station	30°45'19" 91°19'46"	1,815	Power Generation
266	Entergy River Bend Station	30°45'40" 91°20'11"	500	Industrial

(1) Well number assigned in LDOTD database.

(2) Depth of the well, in feet, measured from the bottom of the screen to the ground surface.

(3) Although this well is listed as abandoned, it is included herein because it was not listed as closed, and may therefore be used again in the future.

TABLE 2

ENTERGY RIVER BEND STATION
INVENTORY OF SIGNIFICANT MATERIALS IN STORAGE AND UNLOADING AREAS

Item No. [1]	Description	Volume	Containment
1	Standby Cooling Tower Hypochlorite Tank	1,000 gal	Concrete Curb, Drains to Cooling Tower
1	Standby Cooling Tower Hypochlorite Unloading	Unloading	Curbed Concrete Pad
2 [2]	Emergency Diesel Generator Fuel Unloading	Unloading	Curbed Concrete Pad
3	CWS Treatment Chemicals Tanks - TTA (Nalco 9237) - HEDP (Nalco 1345) - Zinc Chloride (Nalco 1360) - Sodium Bromide (Nalco 1338) - Sodium Hypochlorite	 3,000 gal. 6,400 gal. 6,400 gal. 6,000 gal. 6,000 gal.	 Concrete Floor & Walls Concrete Floor & Walls Concrete Floor & Walls Concrete Floor & Walls Concrete Floor & Walls
3	CWS Treatment Chemicals Unloading	Unloading	Curbed Concrete Pad
4	Hypochlorite Tank	22,000 gal.	Concrete Floor & Walls
4	Hypochlorite Unloading	Unloading	Curbed Concrete Pad
5	WTA Sulfuric Acid Tanks (Two)	42,000 gal. ea.	Concrete Floor & Walls
5	WTA Acid Unloading	Unloading	Curbed Concrete Pads
6	Ammonium Bisulfite	4,000 gal.	Concrete Floor & Walls
6	Ammonium Bisulfite Unloading	Unloading	Curbed Concrete Pad
7	Fire Pump Diesel Fuel Unloading	Unloading	Concrete Curbed with Earthen Floor
8 [3]	Diesel Fuel Trailer Parking	2,750 gal. (Largest Compartment)	Concrete Curb & Sump
9	Hazardous/Non-hazardous/Oil Waste Storage & Unloading	Drums	Curbed Concrete Floor & Walls
10	Paint Shop Drum Storage & Unloading	Drums	Curbed Concrete Floor
11 [4]	Main Warehouse Drum Storage & Unloading	Drums	Concrete Floor, Walls & Sump
12 [5]	Gasoline/Diesel Storage (Two)	6,000 gal. each	Concrete Floor & Walls
12 [5]	Gasoline and Diesel Storage Unloading	Unloading	Curbed Concrete Pad
13	Main Warehouse Hazardous Materials Storage Building & Unloading	Drums	Curbed Concrete Floor, Walls & Sump
14	Outside Oil Drum Storage Building & Unloading	Drums	Curbed Concrete Floor, Walls & Sump

TABLE 2

ENTERGY RIVER BEND STATION
INVENTORY OF SIGNIFICANT MATERIALS IN STORAGE AND UNLOADING AREAS
(Continued)

Item No. [1]	Description	Volume	Containment
15	Turbine Building Oil Storage and Unloading	Drums	Curbed Concrete Floor & Walls
16	Service Water Storage & Unloading (Three)	1,000,000 gal. each	Concrete floor, Walls & Lined Earthen Berm
17	Main Warehouse Paint/Flammables Storage	Drums/Containers	Curbed Concrete Floor, Walls & Sump
18	SWP Treatment Chemicals Tanks - Sodium Molybdate (Nalco 7357)(Two) - Sodium Hydroxide & TTA (Nalco 1336) - Glutaraldehyde (Nalco 7338) - Isothiazoline (NALCO 7330)(Two) - Sodium Hydroxide (NALCO 8073) - Sodium Nitrite Solution - Polyquarternary Amine (NALCO 8103)	 400 gal. each 400 gal. 1,000 gal. 400 gal. each 400 gal. 400 gal. 5,000 gal.	 Concrete Floor & Walls Concrete Floor & Walls Concrete Floor & Walls Concrete Floor & Walls Concrete Floor & Walls Concrete Floor & Walls Concrete Floor & Walls
19 [6]	Field Administrative Diesel Generator Fuel Tank	200 gal.	None
20 [7]	Drummed Oil	150 gal. (varies)	Secondary Containment

(1) Item numbers correspond to those shown on Figure 2.

(2) Additional information is presented for this item on Table 3 (corresponds to Item 21 on Table 3).

(3) Additional information is presented for this item on Table 3 (corresponds to Item 5 on Table 3).

(4) Additional information is presented for this item on Table 3 (corresponds to Item 6 on Table 3).

(5) Additional information is presented for this item on Table 3 (corresponds to Items 3 and 4 on Table 3).

(6) Additional information is presented for this item on Table 3 (corresponds to Item 22 on Table 3).

(7) Additional information is presented for this item on Table 3 (corresponds to Item 24 on Table 3).

TABLE 3

ENTERGY RIVER BEND STATION
INVENTORY OF SIGNIFICANT MATERIALS IN OIL STORAGE AREAS

Description	Volume (Gallons)	Drainage	Containment
1. Fire Protection Diesel Fuel Tank "1A" - Fire Protection Pump House	300	Through oil water separator #2 into East Creek	Inside a building
2. Fire Protection Diesel Fuel Tank "1B" - Fire Protection Pump House	300	Through oil water separator #2 into East Creek	Inside a building
3.[1] Vehicle Gasoline Fuel Tank - Vehicle Maintenance Shop	6,000	On ground into West Creek	Covered by a roof
4.[1] Vehicle Diesel Fuel Tank - Vehicle Maintenance Shop	6,000	On ground into West Creek	Covered by a roof
5.[2] Auxiliary Diesel Fuel Tanker - Southwest of the Hazardous Waste Yard	6,500	On ground into West Creek	Yes
6.[3] Drummed Oil - Warehouse Oil Storage Building	11,500 (varies)	On ground into West Creek	Covered by a roof
7. Drummed Used Oil - Hazardous Waste Yard	Varies	On ground into West Creek	Inside a building
8. Drummed EHC Fluid - Hazardous Waste Yard	Varies	On ground into West Creek	Inside a building
9. Lube Oil Containers/Drums - Lube Oil Storage Facility	1,600 (varies)	Into a sump and then drummed for off-site disposal	Inside a building
10. Lube Oil Containers - Turbine Lube Oil Storage Facility	1,440 (varies)	Into a sump and then drummed for radwaste processing	Inside a building
11. Drummed Used Oil - Turbine Lube Oil Storage Facility	990 (varies)	Into a sump and then drummed for radwaste processing	Inside an underground vault
12. Standby Diesel Generator Division I Fuel Tank - Diesel Generator Building	50,000	Through oil water separator #1 into sewage treatment plant	Inside an underground vault
13. Standby Diesel Generator Division II Fuel Tank - Diesel Generator Building	50,000	Through oil water separator #1 into sewage treatment plant	Inside an underground vault
14. HPCS Diesel Generator Division III Fuel Tank - Diesel Generator Building	50,000	Through oil water separator #1 into sewage treatment plant	Inside an underground vault

TABLE 3

ENTERGY RIVER BEND STATION
INVENTORY OF SIGNIFICANT MATERIALS IN OIL STORAGE AREAS

(page 2 of 4)

Description	Volume (Gallons)	Drainage	Containment
15. Standby Diesel Generator Division I Fuel Oil Day Tank - Diesel Generator Building	535	Through oil water separator #1 into sewage treatment plant	Inside a building
16. Standby Diesel Generator Division II Fuel Oil Day Tank - Diesel Generator Building	535	Through oil water separator #1 into sewage treatment plant	Inside a building
17. HPCS Diesel Generator Division III Fuel Oil Day Tank - Diesel Generator Building	535	Through oil water separator #1 into sewage treatment plant	Inside a building
18. Standby Diesel Generator Division I Lube Oil Sump Tank - Diesel Generator Building	514	Through oil water separator #1 into sewage treatment plant	Inside a building
19. Standby Diesel Generator Division II Lube Oil Sump Tank - Diesel Generator Building	514	Through oil water separator #1 into sewage treatment plant	Inside a building
20. HPCS Diesel Generator Division III Lube Oil Sump Tank - Diesel Generator Building	514	Through oil water separator #1 into sewage treatment plant	Inside a building
21.[4] Station Blackout Diesel Generator Fuel Tank - North of the Diesel Generator Building	180	Through stormwater drain into East Creek	Yes
22.[5] Field Administration Diesel Generator Fuel Tank - East of the Field Administration Building	200	On ground into West Creek	No
23. Backup Air Compressor Diesel Generator Fuel Tank "C4" - Southwest of the Turbine Building	200	Through stormwater drain into East Creek	Inside a building
24.[6] Drummed Oil - East Side of Mechanical Maintenance Shop	150 (Varies)	Through stormwater drain into East Creek	Area covered by a roof
25. Transformer 1STX-XNS1A - East Wall of Turbine Building	3,951	Through oil water separator #3 into East Creek	Yes
26. Transformer 1STX-XNS1B - East Wall of Turbine Building	3,951	Through oil water separator #3 into East Creek	Yes
27. Transformer 1STX-XNS1C - East Wall of Turbine Building	3,405	Through oil water separator #3 into East Creek	Yes
28. Transformer 1RTX-XSR1C - East Wall of Turbine Building	7,900	Through oil water separator #3 into East Creek	Yes
29. Transformer 1RTX-XSR1E - East Wall of Turbine Building	15,300	Through oil water separator #3 into East Creek	Yes

TABLE 3

ENTERGY RIVER BEND STATION
INVENTORY OF SIGNIFICANT MATERIALS IN OIL STORAGE AREAS
(page 3 of 4)

Description	Volume (Gallons)	Drainage	Containment
30. Transformer 1MTX-XM1 - East Wall of Turbine Building	16,733	Through oil water separator #3 into East Creek	Yes
31. Transformer 1MTX-XM2 - East Wall of Turbine Building	16,733	Through oil water separator #3 into East Creek	Yes
32. Transformer 1RTX-XSRIF - Southwest of the Turbine Building	15,300	Through oil water separator #4 into East Creek	Yes
33. Transformer 1RTX-XSRID - Southwest of the Turbine Building	7,900	Through oil water separator #4 into East Creek	Yes
34. Transformer NJS-X2A - Cooling Tower A	234	Into a sump, and then on ground into East Creek	Yes
35. Transformer NJS-X2B - Cooling Tower A	234	Into a sump, and then on ground into East Creek	Yes
36. Transformer NJS-X2C - Cooling Tower C	234	Into a sump, and then on ground into East Creek	Yes
37. Transformer NJS-X2D - Cooling Tower C	234	Into a sump, and then on ground into East Creek	Yes
38. Transformer NJS-X2E - Cooling Tower B	234	Into a sump, and then on ground into East Creek	Yes
39. Transformer NJS-X2F - Cooling Tower B	234	Into a sump, and then on ground into East Creek	Yes
40. Transformer NJS-X2G - Cooling Tower D	234	Into a sump, and then on ground into East Creek	Yes
41. Transformer NJS-X2H - Cooling Tower D	234	Into a sump, and then on ground into East Creek	Yes
42. Transformer NJS-X3A - Clarifiers	197	Into a sump, and then on ground into East Creek	Yes
43. Transformer NJS-X3B - Clarifiers	197	Into a sump, and then on ground into East Creek	Yes
44. Transformer NJS-X3C - Service Water Area (Hypochlorite System)	200	Into a sump, and then on ground into East Creek	Yes
45. Transformer NJS-X3D - Service Water Area (Hypochlorite System)	200	Into a sump, and then on ground into East Creek	Yes
46. Transformer NJS-X4A - Service Water Area (Closed Loop System)	241	Into a sump, and then through Outfall 009 into Grant Bayou	Yes
47. Transformer NJS-X4B - Service Water Area (Closed Loop System)	241	Into a sump, and then through Outfall 009 into Grant Bayou	Yes
48. Transformer RCS-X1A - West Wall of Fuel Building (Recirculating MG Set Room)	1,260	Into a sump, and then through a stormwater drain into East Creek	Yes

TABLE 3

ENTERGY RIVER BEND STATION
INVENTORY OF SIGNIFICANT MATERIALS IN OIL STORAGE AREAS

(page 4 of 4)

Description	Volume (Gallons)	Drainage	Containment
49. Transformer RCS-X1B - West Wall of Fuel Building (Recirculating MG Set Room)	1,260	Into a sump, and then through a stormwater drain into East Creek	Yes
50. Transformer STX-XS2A - Circulating Water House	1,490	Into a sump, and then on ground into East Creek	Yes
51. Transformer STX-XS2B - Circulating Water House	1,490	Into a sump, and then on ground into East Creek	Yes
52. Transformer STX-XS3A - River Intake	620	On ground into Mississippi River	Yes
53. Transformer STX-XS3B - River Intake	620	On ground into Mississippi River	Yes
54. Transformer STX-XS5A - Service Water Area (Closed Loop System)	1,270	Into a sump, and then through Outfall 009 into Grant Bayou	Yes
55. Transformer STX-XS5B - Service Water Area (Closed Loop System)	1,270	Into a sump, and then through Outfall 009 into Grant Bayou	Yes
56. Transformer STX-XGN1A - Main Transformer Yard	100	Through oil water separator #3 into East Creek	Yes
57. Transformer STX-XGN1B - Main Transformer Yard	100	Through oil water separator #3 into East Creek	Yes
58. Transformer STX-XGN1C - Main Transformer Yard	100	Through oil water separator #3 into East Creek	Yes
59. Transformer STX-XGN1D - Auxiliary Transformer Yard	100	Through oil water separator #4 into East Creek	Yes

(1) Corresponds to Item 12 on Table 2 and Figure 2.

(2) Corresponds to Item 8 on Table 2 and Figure 2.

(3) Corresponds to Item 11 on Table 2 and Figure 2.

(4) Corresponds to Item 2 on Table 2 and Figure 2.

(5) Corresponds to Item 19 on Table 2 and Figure 2.

(6) Corresponds to Item 20 on Table 2 and Figure 2.

TABLE 4
ENTERGY RIVER BEND STATION
ANALYTICAL DATA SUMMARY FOR OUTFALL 102

POLLUTANT	EFFLUENT							UNITS	
	MAXIMUM DAILY VALUE		MAXIMUM 30 DAY VALUE		LONG TERM AVERAGE		NO. OF ANALYSES		
	CONC.	MASS	CONC.	MASS	CONC.	MASS		CONC.	MASS
Flow [1][2]	VALUE	0.014	VALUE	0.002	VALUE	0.0009	92	MGD	NA
Iron [3]	1.00	0.012	0.90	0.02	0.70	0.01	9	mg/L	lbs/day
Copper [3]	0.90	0.11	0.80	0.01	0.30	0.002	9	mg/L	lbs/day
Temperature (Winter)	Ambient[4]	NA	Ambient[4]	NA			0	NA	NA
Temperature (Summer)	Ambient[4]	NA	Ambient[4]	NA			0	NA	NA
	MINIMUM	MAXIMUM	MINIMUM	MAXIMUM					
pH	NA[4]	NA[4]	N/A	N/A				NA	NA

NA = Not Applicable

[1] There was no discharge at Outfall 102 during the period from February 1993 through January 1995 (the DMR summary period presented in this permit application for other outfalls at the site). Hence, all the data included in this table is incorporated from the Form 2C for Outfall 102 from Entergy's previous LWDPS permit application submitted to the LDEQ on January 24, 1992.

[2] All flow rate values are based on calculations from three consecutive months of intermittent discharge from this outfall during a reduced volume, process development trial period.

[3] Masses calculated using flow values mentioned in footnote (2).

[4] No heat input to this discharge.

TABLE 5
ENTERGY RIVER BEND STATION
DMR SUMMARY FOR FEBRUARY 1993 - JANUARY 1995
OUTFALL 003

POLLUTANT	EFFLUENT							UNITS	
	MAXIMUM DAILY VALUE		MAXIMUM 30 DAY VALUE		LONG TERM AVERAGE		NO. OF ANALYSES		
	CONC.	MASS	CONC.	MASS	CONC.	MASS		CONC.	MASS
Total Suspended Solids (TSS)	11.2	0.55	8.6	0.42	2.2	0.08	140	mg/L	lbs/day
Oil & Grease	10.0	0.57	3.7	0.21	2.1	0.07	140	mg/L	lbs/day
Flow [1]	VALUE	0.0707	VALUE	0.0082	VALUE	0.0033	482	MGD	NA
pH	MINIMUM	MAXIMUM							
	6.36	7.58					140	S.U.	NA

NA = Not Applicable

[1] The Maximum 30 Day Value and the Long Term Average Value for flow rates are calculated based on the days of discharge (days of zero discharge have not been included).

TABLE 6
ENTERGY RIVER BEND STATION
DMR SUMMARY FOR FEBRUARY 1993 - JANUARY 1995
OUTFALL 005

POLLUTANT	EFFLUENT							UNITS	
	MAXIMUM DAILY VALUE		MAXIMUM 30 DAY VALUE		LONG TERM AVERAGE		NO. OF ANALYSES		
	CONC.	MASS	CONC.	MASS	CONC.	MASS		CONC.	MASS
Total Organic Carbon (TOC)	14.9	5.3	11.8	4.1	8.6	2.5	40	mg/L	lbs/day
Oil & Grease	4.9	1.19	2.4	1.04	1.5	0.45	40	mg/L	lbs/day
Flow [1]	VALUE	0.465	VALUE	0.057	VALUE	0.035	237	MGD	NA
	MINIMUM	MAXIMUM							
pH	7.23	8.48					40	S.U.	NA

NA = Not Applicable

[1] The Maximum 30 Day Value and the Long Term Average Value for flow rates are calculated based on the days of discharge (days of zero discharge have not been included).

5312R01.DP

TABLE 7
ENTERGY RIVER BEND STATION
DMR SUMMARY FOR FEBRUARY 1993 - JANUARY 1995
OUTFALL 006

POLLUTANT	EFFLUENT							UNITS	
	MAXIMUM DAILY VALUE		MAXIMUM 30 DAY VALUE		LONG TERM AVERAGE		NO. OF ANALYSES		
	CONC.	MASS	CONC.	MASS	CONC.	MASS		CONC.	MASS
Total Organic Carbon (TOC)	13.8	58.7	10.8	49.7	6.4	14.4	43	mg/L	lbs/day
Oil & Grease	4.6	14.34	4.4	14.34	1.6	3.99	43	mg/L	lbs/day
Flow [1]	VALUE	8.055	VALUE	0.718	VALUE	0.180	444	MGD	NA
	MINIMUM	MAXIMUM							
pH	7.20	8.66					43	S.U.	NA

NA = Not Applicable

[1] The Maximum 30 Day Value and the Long Term Average Value for flow rates are calculated based on the days of discharge (days of zero discharge have not been included).

TABLE 8
ENTERGY RIVER BEND STATION
DMR SUMMARY FOR FEBRUARY 1993 - JANUARY 1995
OUTFALL 007

POLLUTANT	EFFLUENT							UNITS	
	MAXIMUM DAILY VALUE		MAXIMUM 30 DAY VALUE		LONG TERM AVERAGE		NO. OF ANALYSES		
	CONC.	MASS	CONC.	MASS	CONC.	MASS		CONC.	MASS
Total Organic Carbon (TOC)	14.5	94.2	12.5	76.9	8.6	25.8	46	mg/L	lbs/day
Oil & Grease	13.6	83.7	2.2	12.9	1.3	3.9	46	mg/L	lbs/day
Flow [(1)]	VALUE	8.625	VALUE	0.862	VALUE	0.303	301	MGD	NA
	MINIMUM	MAXIMUM							
pH	7.84	8.99					46	S.U.	NA

NA = Not Applicable

(1) The Maximum 30 Day Value and the Long Term Average Value for flow rates are calculated based on the days of discharge (days of zero discharge have not been included).

TABLE 9
ENTERGY RIVER BEND STATION
DMR SUMMARY FOR FEBRUARY 1993 - JANUARY 1995
OUTFALL 009

POLLUTANT	EFFLUENT							UNITS	
	MAXIMUM DAILY VALUE		MAXIMUM 30 DAY VALUE		LONG TERM AVERAGE		NO. OF ANALYSES		
	CONC.	MASS	CONC.	MASS	CONC.	MASS		CONC.	MASS
Total Organic Carbon (TOC)	16.4	9.5	11.7	8.9	7.9	3.9	40	mg/L	lbs/day
Oil & Grease	3.1	1.79	2.7	1.66	1.3	0.60	40	mg/L	lbs/day
Flow [1]	VALUE	1.739	VALUE	0.176	VALUE	0.051	302	MGD	NA
	MINIMUM	MAXIMUM							
pH	7.49	8.78					40	S.U.	NA

NA = Not Applicable

[1] The Maximum 30 Day Value and the Long Term Average Value for flow rates are calculated based on the days of discharge (days of zero discharge have not been included).

TABLE 10

ENTERGY RIVER BEND STATION
BIOMONITORING TEST RESULTS

Toxicity Test Results from the January 6 and November 10, 1994 Molluscicide Applications										
Sample Dates	*Ceriodaphnia dubia* Chronic Toxicity Test				*Hyalella azteca* Solid-Phase Toxicity Test					
	Survival NOEC		Reproduction NOEC		Percent Survival (%)			Growth (Avg Dry Weight in mg)		
	Untreated	Treated	Untreated	Treated	Control	Untreated	Treated	Control	Untreated	Treated
01/06/94	100	100	N/A [1]	N/A [1]	84	75	68	0.065	0.072	0.053
11/10/94	100	100	100	100	98	80	98	0.223	0.190	0.166

Toxicity Test Results from the August 17, 1995 Molluscicide Application		
Sample Date	*Daphnia pulex* Survival NOEC	*Pimephales promelas* Survival NOEC
8/17/95	0.8%	0.8%

NOEC = No Observed Effect Concentration

[1] Control did not meet acceptable performance criteria for the reproduction test endpoint.

5312R01.DP

FIGURES

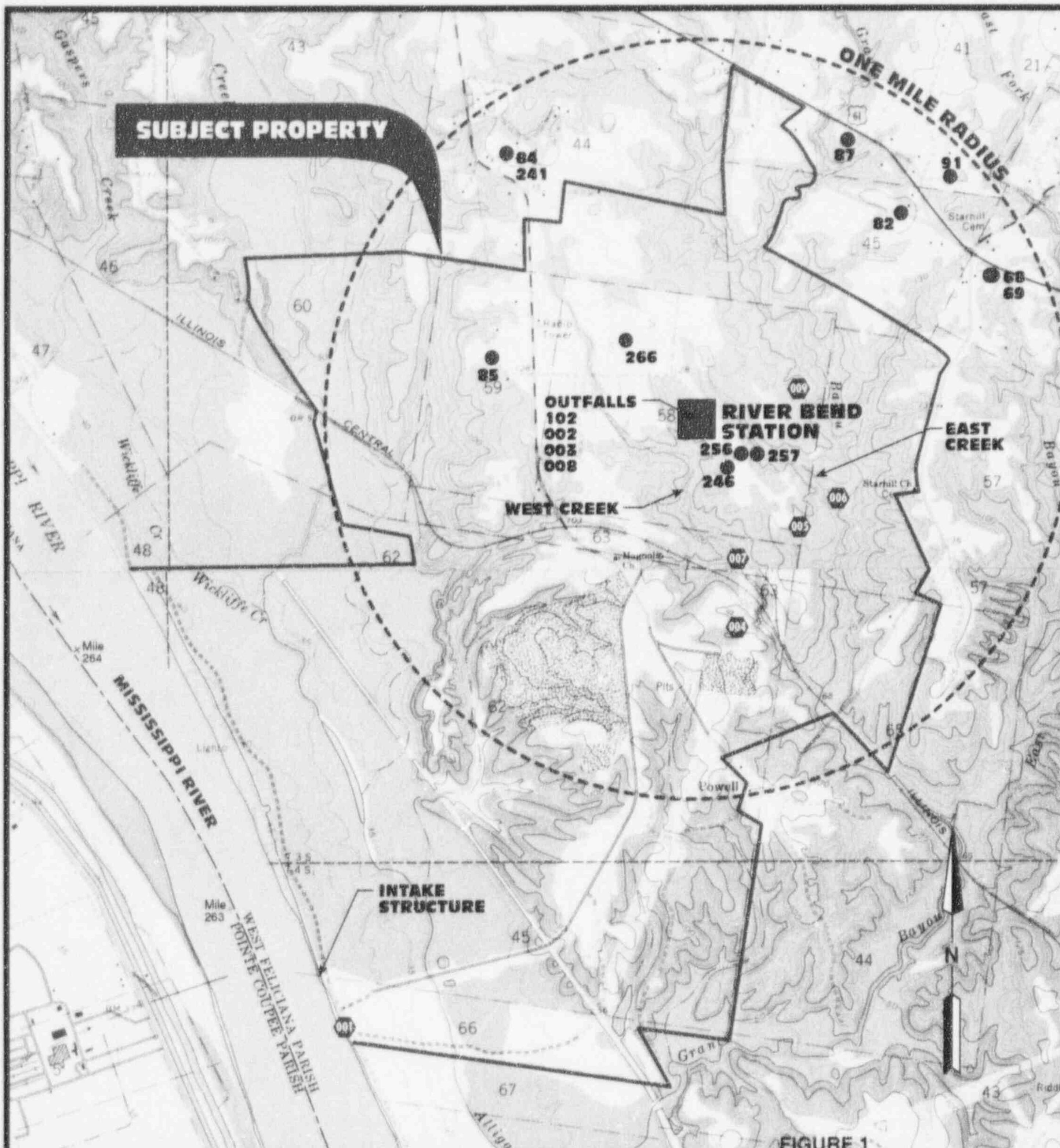

FIGURE 1

2000 0 2000

SCALE: 1" = 2000'

LEGEND:

85 ● WATER WELL IN LDOTD INVENTORY

001 PERMITTED OUTFALL

NOTES:

THE LOCATION SHOWN FOR OUTFALL 004 WILL BE USED AFTER THE NEW SEWAGE TREATMENT PLANT COMMENCES OPERATION.

BASE MAP TAKEN FROM U.S.G.S. 7.5 MINUTE TOPOGRAPHIC MAP, "ELM PARK, LA." DATED 1965, PHOTOREVISED 1972, AND "PORT HUDSON, LA." DATED 1963, PHOTOREVISED 1980, AT A SCALE OF 1:24,000.

ENTERGY OPERATIONS, INC.
ST. FRANCISVILLE, LOUISIANA

NPDES PERMIT APPLICATION

SITE LOCATION MAP

WEST FELICIANA PARISH

C-K ASSOCIATES, INC.
BATON ROUGE, LOUISIANA

NO	REVISION	DATE	BY

DRAWN	MPC/MAC	APPROVED	MHS
CHECKED	DP	DATE	SEPTEMBER 11, 1995
SHEET OF		DWG. NO.	A53-502-06

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APPENDICES

APPENDIX A

U.S. 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.)*	I. EPA I.D. NUMBER F LAD070664818 D

LABEL ITEMS

- I. EPA I.D. NUMBER
- III. FACILITY NAME
- V. FACILITY MAILING ADDRESS
- VI. FACILITY LOCATION

PLEASE PLACE LABEL IN THIS SPACE

GENERAL INSTRUCTIONS

If a preprinted label has been provided, affix it in the designated space. Review the information carefully; if any of it 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	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	
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	
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	
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	
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	

III. NAME OF FACILITY

1 SKIP ENTERGY OPERATIONS, INC. - RIVER BEND STATION

IV. FACILITY CONTACT

A. NAME & TITLE (last, first, & title)	B. PHONE (area code & no.)		
HOLMES, JEROME, SUPERINTENDENT, CHEMISTRY	504	381	4602

V. FACILITY MAILING ADDRESS

A. STREET OR P.O. BOX: POST OFFICE BOX 220

B. CITY OR TOWN	C. STATE	D. ZIP CODE
ST. FRANCISVILLE	LA	70775

VI. FACILITY LOCATION

A. STREET, ROUTE NO. OR OTHER SPECIFIC IDENTIFIER: 5485 U.S. HIGHWAY 61 NORTH

B. COUNTY NAME: WEST FELICIANA PARISH

C. CITY OR TOWN	D. STATE	E. ZIP CODE	F. COUNTY CODE (if known)
ST. FRANCISVILLE	LA	70775	063

CONTINUED FROM THE FRONT

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

A. FIRST		B. SECOND	
C 7 4911	(specify) ELECTRIC SERVICES - STEAM ELECTRIC	C 7	(specify) N/A
C. THIRD		D. FOURTH	
C 7	(specify) N/A	C 7	(specify) N/A

VIII. OPERATOR INFORMATION

A. NAME

C 8 ENTERGY OPERATIONS, INC.

B. Is the name listed in Item VIII-A also the owner? [X] YES [ ] NO

C. STATUS OF OPERATOR (Enter the appropriate letter into the answer box; if "Other", specify.)

F = FEDERAL
S = STATE
P = PRIVATE
M = PUBLIC (other than federal or state)
O = OTHER (specify)

P (specify)

D. PHONE (area code & no.)

C A 601 368 5000

E. STREET OR P.O. BOX

POST OFFICE BOX 31995

F. CITY OR TOWN	G. STATE	H. ZIP CODE
C B JACKSON	MS	39286

IX. INDIAN LAND

Is the facility located on Indian lands?

[ ] YES [X] NO

X. EXISTING ENVIRONMENTAL PERMITS

A. NPDES (Discharges to Surface Water) 9 N	LA0042731	D. PSD (Air Emissions from Proposed Sources) 9 P		
B. UIC (Underground Injection of Fluids) 9 U		E. OTHER (specify) 9	WP 0409	(specify) LOUISIANA WATER DISCHARGE PERMIT
C. RCRA (Hazardous Wastes) 9 R	LAD070664818	E. OTHER (specify) 9	RBC36201	(specify) CWA SECTION 404 (USAGE)

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)

COMMERCIAL GENERATION AND SALE OF ELECTRIC POWER.

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
MICHAEL B. SELLMAN GENERAL MANAGER, PLANT OPERATIONS	M. A. Krupa for MBS	9-14-95

COMMENTS FOR OFFICIAL USE ONLY

* U.S. Government Printing Office: 1985-486-785/32991

APPENDIX B

U.S. EPA APPLICATION FORM 2C

Please print or type in the unshaded areas only.

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

LAD070664818

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

FORM 2 C 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	43	43	91	21	13	Mississippi River
002	30	45	21	91	19	46	Mississippi River (via Outfall 001)
102	30	45	21	91	19	46	Mississippi River (via Outfall 002/001)
003	30	45	20	91	19	49	Grants Bayou (via East Creek and Outfall 006) then to Mississippi River
004	30	44	52	91	19	50	Mississippi River (via Outfall 001)
005	30	45	06	91	19	38	Grants Bayou then to Mississippi River

II. FLOWS, SOURCES OF POLLUTION, AND TREATMENT TECHNOLOGIES

A. Attach a line drawing showing the water flow through the facility. Indicate sources of intake water, operations contributing wastewater to the effluent, and treatment units labeled to correspond to the more detailed descriptions in Item B. Construct a water balance on the line drawing by showing average flows between intakes, operations, treatment units, and outfalls. If a water balance cannot be determined *(e.g., for certain mining activities)*, provide a pictorial description of the nature and amount of any sources of water and any collection or treatment measures. **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. OUT-FALL NO *(list)*	2. OPERATION(S) CONTRIBUTING FLOW		3. TREATMENT		
	a. OPERATION *(list)*	b. AVERAGE FLOW *(include units)*	a. DESCRIPTION	b. LIST CODES FROM TABLE 2C-1	
001	Cooling Tower Blowdown (and	2144 gpm	Dechlorination	2E	
	monitored Outfalls 002, 102, and 004)		Discharge to Surface Water	4A	
002	Low-volume Treated Wastewater	27.1 gpm	Multimedia Filtration;	1Q	
		(Intermittent)	Neutralization; Ion-exchange;	1T	2K
			Re-use/Recycle of Treated Effluent;	2J	4C
			Discharge to Surface Water	4A	
102	Chemical Metal-cleaning Wastewater	0.6 gpm	Neutralization, Chemical Precipitation;	2K	2C
		(Intermittent)	Carbon Adsorption;	2A	
			Vacuum Filtration/Landfilling of sludge;	5U	5Q
			Discharge to Surface Water	4A	
003	Non-radioactive Floor Drains	2.3 gpm	Oil/Water Separation;	- - -	
	and Oil/Water Separators, Including	(Intermittent)	Discharge to surface water	4A	
	Stormwater				
004	Treated Sanitary Wastewater	11.1 gpm	Screening; Pre-aeration;	1T	3E
			Activated Sludge; Slow Sand Filtration;	3A	2H
			Disinfection (UV-light)	1V	
005	Stormwater Runoff from Materials	7.64 gpm	Discharge to Surface Water	4A	
	Storage Area	(Intermittent)			
	Intermittent Treated Sanitary Wastewater Normally Routed through Outfall 004	Normally 0	See above for Outfall 004		

OFFICIAL USE ONLY *(effluent guidelines sub-categories)*

Please print or type in the unshaded areas only.

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

LAD070664818

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.	
006	30	45	12	91	19	29	Grants Bayou (via East Creek) then to Mississippi River
007	30	45	02	91	19	50	Grants Bayou (via West Creek) then to Mississippi River
008	30	45	21	91	19	46	Grants Bayou (via East or West Creek) then to Mississippi River
009	30	45	32	91	19	39	Grants Bayou then to Mississippi River

Note: Coordinates for Outfall 004 are for new location due to construction of new sewage treatment plant.

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. OUT-FALL 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	
006	Stormwater Runoff from East Side of	75.7 gpm	Discharge to Surface Water	4A	
	Plant (and monitored	(Intermittent)			
	Outfalls 003 and 008)				
	Air Compressor Condensate	16 gpm	Discharge to Surface Water	4A	
	Reverse Osmosis Reject	25 gpm (Intermittent)	Discharge to Surface Water	4A	
007	Stormwater Runoff from West Side of	86.8 gpm	Discharge to Surface Water	4A	
	Plant (and monitored Outfall 008)	(Intermittent)			
008	Maintenance Hydrostatic Test and	5 gpm	Screening;	1T	
	Flushing of Piping Systems, Vessels,	(Intermittent)	Discharge to Surface Water	4A	
	and Automatic Sprinkler Systems				
009	Stormwater Runoff from	14.6 gpm	Discharge to Surface Water	4A	
	Cooling Tower Yard	(Intermittent)			

OFFICIAL USE ONLY (effluent guidelines sub-categories)

CONTINUED FROM THE FRONT

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	
002	Low-volume Treated Wastewater	7	12	0.052	0.497	52000 gals.	497000 gals.	365
102	Metal Cleaning Wastewater	7(1)	3(1)	0.0009	0.014	900 gals.	14000 gals.	92
006	Reverse Osmosis Reject	1.5	12	0.007714	0.036	7714 gals.	36000 gals.	78
008	Hydrostatic Testing and Flushing of Piping Systems	0.25	12	0.0074	0.0638	7400 gals.	63800 gals.	12

(1) Outfall 102 has only discharged for three consecutive months out of 10 years of facility operation.

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)*	
N/A			

IV. IMPROVEMENTS

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

☐ YES *(complete the following table)* ☒ NO *(go to Item IV-B)*

1. IDENTIFICATION OF CONDITION, AGREEMENT, ETC.	2. AFFECTED OUTFALLS		3. BRIEF DESCRIPTION OF PROJECT	4. FINAL COMPLIANCE DATE	
	a. NO.	b. SOURCE OF DISCHARGE		a. REQUIRED	b. PROJECTED
N/A					

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

 CONTINUE ON PAGE 3

CONTINUED FROM PAGE 2

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

LAD0070664818

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
N/A			

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)*

N/A

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 Section 6.0 of document and Table 10.

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)*
Inchcape Testing Services	7979 GSRI Avenue Baton Rouge, LA 70820	(504) 769-4900	All pollutants analyzed on Form 2C except pH, TRC, and FAC and all pollutants at Outfall 002B.
Barringer Laboratories, Inc.	15000 W. 6th Ave. Suite 300 Golden, CO 80401	(303) 277-1687	All pollutants at Outfall 002B, except pH, TRC, and FAC.

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.)*
Michael B. Sellman, General Manager, Plant Operations	(504) 381-4200
C. SIGNATURE M. A Krupa for MBS	D. DATE SIGNED 9-14-95

ENTERGY OPERATIONS, INC. – River Bend Station

EPA I.D. NUMBER LAD070664818

OUTFALL NUMBER 001

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

Part A

1. POLLUTANT	2. EFFLUENT							3. UNITS		4. INTAKE (OPTIONAL)		
	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE		c. LONG TERM AVERAGE (LTA)		d. NO. OF ANALYSES	a. CONC.	b. MASS	a. LTA VALUE		b. NO. OF ANALYSES
	(1) CONC.	(2) MASS	(1) CONC.	(2) MASS	(1) CONC.	(2) MASS				(1) CONC.	(2) MASS	
a. Biochemical Oxygen Demand (BOD)	1.6	57.6	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
b. Chemical Oxygen Demand (COD)	50.5	1819.5	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
c. Total Organic Carbon (TOC)	23.4	843.1	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
d. Total Suspended Solids (TSS)	< 1	< 36	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
e. Ammonia (as N)	0.79	28.46	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
f. Flow	VALUE	5.052	VALUE	3.682	VALUE	3.087	Cont.	MGD	NA	NA	NA	NA
g. Temperature (summer)	VALUE	33.3	VALUE	32.7	VALUE	32.2	Cont.	°C	NA	NA	NA	NA
h. Temperature (winter)	VALUE	33.3	VALUE	31.1	VALUE	24.4	Cont.	°C	NA	NA	NA	NA
	MINIMUM	MAXIMUM										
i. pH	7.20	8.48					54	S.U.	NA	NA	NA	NA

Part B

1. POLLUTANT AND CAS NO.	2a. BELIEVED PRESENT	2b. BELIEVED ABSENT	3. EFFLUENT							4. UNITS		5. INTAKE (OPTIONAL)		
			a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE		c. LONG TERM AVERAGE (LTA)		d. NO. OF ANALYSES	a. CONC.	b. MASS	a. LTA		B. NO. OF ANALYSES
			(1) CONC.	(2) MASS	(1) CONC.	(2) MASS	(1) CONC.	(2) MASS				(1) CONC.	(2) MASS	
a. Bromide (24959-67-9)		X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
b. Chlorine, Total Residual		X	< 0.05	< 1.80	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
c. Color (True/Apparent)	X		24/197	NA	NA	NA	NA	NA	1	APHA Units	NA	NA	NA	NA
d. Fecal Coliform	X		24	NA	NA	NA	NA	NA	1	Col./100 ml	NA	NA	NA	NA
e. Fluoride (16984-48-8)	X		1.47	52.96	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
f. Nitrate-Nitrite (as N)	X		7.3	263.0	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
g. Nitrogen, Total Organic (as N)	X		2.4	86.5	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
h. Oil & Grease	X		8.8	223.2	3.6	91.3	< 1.4	< 33.2	53	mg/L	lbs/day	NA	NA	NA
i. Phosphorus (as P), Total (7723-14-0)	X		0.74	26.66	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
j. Radioactivity-(1) alpha, Total		X	< 0.1	NA	NA	NA	NA	NA	1	pCi/L	NA	NA	NA	NA
j. Radioactivity-(2) beta, Total [1]		X	6.13	NA	NA	NA	NA	NA	1	pCi/L	NA	NA	NA	NA
j. Radioactivity-(3) Radium, Total [1]		X	4.99	NA	NA	NA	NA	NA	1	pCi/L	NA	NA	NA	NA
j. Radioactivity-(4) Radium 226, Total [1]		X	1.54	NA	NA	NA	NA	NA	1	pCi/L	NA	NA	NA	NA
k. Sulfate (as SO_4) (14808-79-8)	X		742	26733	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
l. Sulfide (as S)		X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
m. Sulfite (as SO_3) (14265-45-3)		X	< 2	< 72	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
n. Surfactants		X	< 0.1	< 3.6	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
o. Aluminum, Total (7429-90-5)	X		0.751	27.058	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
p. Barium, Total (7440-39-3)	X		0.365	13.151	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
q. Boron, Total (7440-42-8)		X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
r. Cobalt, Total (7440-48-4)		X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
s. Iron, Total (7439-89-6)	X		0.875	31.525	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
t. Magnesium, Total (7439-95-4)	X		64.7	2331.1	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
u. Molybdenum, Total (7439-98-7)	X		0.180	6.485	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
v. Manganese, Total (7439-96-5)	X		0.039	1.405	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
w. Tin, Total (7440-31-5)		X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
x. Titanium, Total (7440-32-6)		X	< 0.5	< 18.0	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA

ENTERGY OPERATIONS, INC. – River Bend Station

EPA I.D. NUMBER LAD070664818

OUTFALL NUMBER 001

1. POLLUTANT AND CAS NUMBER	2 a. TESTING REQUIRED	2 b. BELIEVED PRESENT	2 c. BELIEVED ABSENT	3. EFFLUENT a. MAXIMUM DAILY VALUE (1) CONC.	a. MAXIMUM DAILY VALUE (2) MASS	b. MAXIMUM 30 DAY VALUE (1) CONC.	b. MAXIMUM 30 DAY VALUE (2) MASS	c. LONG TERM AVERAGE (LTA) (1) CONC.	c. LONG TERM AVERAGE (LTA) (2) MASS	d. NO. OF ANALYSES	4. UNITS a. CONC.	4. UNITS b. MASS	5. INTAKE (OPTIONAL) a. LTA VALUE (1) CONC.	a. LTA VALUE (2) MASS	b. NO. OF ANALYSES
Part C – Metals, Cyanide, and Total Phenols															
1M. Antimony, Total (7440-36-0)	X		X	< 0.042	< 1.513	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
2M. Arsenic, Total (7440-38-2)	X		X	< 0.01	< 0.36	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
3M. Beryllium, Total (7440-41-7)	X		X	< 0.001	< 0.036	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
4M. Cadmium, Total (7440-43-9)	X		X	< 0.0002	< 0.0072	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
Chromium III [2]			X	< 0.01	< 0.36	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
Chromium VI [2]			X	< 0.01	< 0.36	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
5M. Chromium, Total (7440-47-3)	X		X	< 0.01	< 0.36	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
6M. Copper, Total (7440-50-8)	X	X		0.112	4.035	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
7M. Lead, Total (7439-92-1)	X		X	< 0.005	< 0.180	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
8M. Mercury, Total (7439-97-6)	X		X	< 0.0002	< 0.0072	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
9M. Nickel, Total (7440-02-0)	X		X	< 0.015	< 0.540	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
10M. Selenium, Total (7782-49-2)	X		X	< 0.002	< 0.072	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
11M. Silver, Total (7440-22-4)	X		X	< 0.002	< 0.07	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
12M. Thallium, Total (7440-28-0)	X		X	< 0.003	< 0.108	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
13M. Zinc, Total (7440-66-6)	X	X		0.125	9.991	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
14M. Cyanide, Total (57-12-5)	X	X		0.004	0.144	0.306	7.475	0.171	4.085	53	mg/L	lbs/day	NA	NA	NA
15M. Phenols, Total	X	X		0.121	4.359	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
Dioxin															
2,3,7,8-Tetrachlorodibenzo-P-Dioxin(1764-01-6)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
Part C – Volatile Compounds															
1V. Acrolein (107-02-8)	X		X	< 25	< 0.90	NA	NA	NA	NA	1	ug/L	lbs/day	NA	NA	NA
2V. Acrylonitrile (107-13-1)	X		X	< 25	< 0.90	NA	NA	NA	NA	1	ug/L	lbs/day	NA	NA	NA
3V. Benzene (71-43-2)	X		X	< 5	< 0.18	NA	NA	NA	NA	1	ug/L	lbs/day	NA	NA	NA
4V. Bis (Chloromethyl) Ether(542-88-1) [3]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
5V. Bromoform (75-25-2)	X	X		5.23	0.19	NA	NA	NA	NA	1	ug/L	lbs/day	NA	NA	NA
6V. Carbon Tetrachloride (56-23-5)	X		X	< 5	< 0.18	NA	NA	NA	NA	1	ug/L	lbs/day	NA	NA	NA
7V. Chlorobenzene (108-90-7)	X		X	< 5	< 0.18	NA	NA	NA	NA	1	ug/L	lbs/day	NA	NA	NA
8V. Chlorodibromomethane (124-48-1)	X		X	< 5	< 0.18	NA	NA	NA	NA	1	ug/L	lbs/day	NA	NA	NA
9V. Chloroethane (75-00-3)	X		X	< 5	< 0.18	NA	NA	NA	NA	1	ug/L	lbs/day	NA	NA	NA
10V. 2-Chloroethylvinyl Ether(110-75-8) [4]	X		X	< 5	< 0.18	NA	NA	NA	NA	1	ug/L	lbs/day	NA	NA	NA
11V. Chloroform (67-66-3)	X		X	< 5	< 0.18	NA	NA	NA	NA	1	ug/L	lbs/day	NA	NA	NA
12V. Dichlorobromomethane (75-27-4)	X		X	< 5	< 0.18	NA	NA	NA	NA	1	ug/L	lbs/day	NA	NA	NA
13V. Dichlorodifluoromethane (75-71-8) [3]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
14V. 1,1-Dichloroethane (75-34-3)	X		X	< 5	< 0.18	NA	NA	NA	NA	1	ug/L	lbs/day	NA	NA	NA
15V. 1,2-Dichloroethane (107-06-2)	X		X	< 5	< 0.18	NA	NA	NA	NA	1	ug/L	lbs/day	NA	NA	NA
16M. 1,1-Dichloroethylene (75-35-4)	X		X	< 5	< 0.18	NA	NA	NA	NA	1	ug/L	lbs/day	NA	NA	NA
17V. 1,2-Dichloropropane (78-87-5)	X		X	< 5	< 0.18	NA	NA	NA	NA	1	ug/L	lbs/day	NA	NA	NA
18V. 1,3-Dichloropropylene (542-75-6)	X		X	< 5	< 0.18	NA	NA	NA	NA	1	ug/L	lbs/day	NA	NA	NA
19V. Ethylbenzene (100-41-4)	X		X	< 5	< 0.18	NA	NA	NA	NA	1	ug/L	lbs/day	NA	NA	NA
20V. Methyl Bromide (74-83-9)	X		X	< 5	< 0.18	NA	NA	NA	NA	1	ug/L	lbs/day	NA	NA	NA
21V. Methyl Chloride (74-87-3)	X		X	< 5	< 0.18	NA	NA	NA	NA	1	ug/L	lbs/day	NA	NA	NA
22V. Methylene Chloride (75-09-2)	X		X	< 10	< 0.36	NA	NA	NA	NA	1	ug/L	lbs/day	NA	NA	NA
23V. 1,1,2,2-Tetrachloroethane (79-34-5)	X		X	< 5	< 0.18	NA	NA	NA	NA	1	ug/L	lbs/day	NA	NA	NA

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24V. Tetrachloroethylene (127-18-4)	X		X	< 5	< 0.18	NA	NA	NA	NA	1	ug/L	lbs/day	NA	NA	NA
25V. Toluen[illegible]-88-3)	X		X	< 5	< 0.18	NA	NA	NA	NA	1	ug/L	lbs/day	NA	NA	NA
26V. 1,2-Trans-[illegible]chloroethylene (156-60-5)	X		X	< 5	< 0.18	NA	NA	NA	NA	1	ug/L	lbs/day	NA	NA	NA
27V. 1,1,1-Trichloroethane (71-55-6)	X		X	< 5	< 0.18	NA	NA	NA	NA	1	ug/L	lbs/day	NA	NA	NA
28V. 1,1,2-Trichloroethane (79-00-5)	X		X	< 5	< 0.18	NA	NA	NA	NA	1	ug/L	lbs/day	NA	NA	NA
29V. Trichloroethylene (79-01-6)	X		X	< 5	< 0.18	NA	NA	NA	NA	1	ug/L	lbs/day	NA	NA	NA
30V. Trichlorofluoromethane (75-69-4) (1)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
31V. Vinyl Chloride (75-01-4)	X		X	< 5	< 0.18	NA	NA	NA	NA	1	ug/L	lbs/day	NA	NA	NA
Part C–Acid Compounds															
1A. 2-Chlorophenol (95-57-8)	X		X	< 10	< 0.36	NA	NA	NA	NA	1	ug/L	lbs/day	NA	NA	NA
2A. 2,4-Dichlorophenol (120-83-2)	X		X	< 10	< 0.36	NA	NA	NA	NA	1	ug/L	lbs/day	NA	NA	NA
3A. 2,4-Dimethylphenol (105-67-9)	X		X	< 10	< 0.36	NA	NA	NA	NA	1	ug/L	lbs/day	NA	NA	NA
4A. 4,6-Dinitro-o-Cresol (534-52-1)	X		X	< 50	< 1.80	NA	NA	NA	NA	1	ug/L	lbs/day	NA	NA	[illegible]
5A. 2,4-Dinitrophenol (51-28-5)	X		X	< 50	< 1.80	NA	NA	NA	NA	1	ug/L	lbs/day	NA	NA	NA
6A. 2-Nitrophenol (88-75-5)	X		X	< 10	< 0.36	NA	NA	NA	NA	1	ug/L	lbs/day	NA	NA	NA
7A. 4-Nitrophenol (100-02-7)	X		X	< 50	< 1.80	NA	NA	NA	NA	1	ug/L	lbs/day	NA	NA	NA
8A. p-Chloro-m-Cresol (59-50-7)	X		X	< 10	< 0.36	NA	NA	NA	NA	1	ug/L	lbs/day	NA	NA	[illegible]
9A. Pentachlorophenol (87-86-5)	X		X	< 50	< 1.80	NA	NA	NA	NA	1	ug/L	lbs/day	NA	NA	NA
10A. Phenol (108-95-2)	X		X	< 10	< 0.36	NA	NA	NA	NA	1	ug/L	lbs/day	NA	NA	NA
11A. 2,4,6-Trichlorophenol (88-06-2)	X		X	< 10	< 0.36	NA	NA	NA	NA	1	ug/L	lbs/day	NA	NA	NA
Part C–Base/Neutral Compounds															
1B. Acenaphthene (83-32-9)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
2B. Acenaphthylene (208-96-8)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
3B. Anthracene (120-12-7)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
4B. Benzidine (92-87-5)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
5B. Benzo (a) Anthracene (56-55-3)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
6B. Benzo (a) Pyrene (50-32-8)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
7B. 3,4-Benzofluoranthene (205-99-2)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
8B. Benzo (g,h,i) Perylene (191-24-2)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
9B. Benzo (k) Fluoranthene (207-08-9)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
10B. Bis(2-Chloroethoxy)Methane(111-91-1)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
11B. Bis (2-Chloroethyl) Ether (111-44-4)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
12B. Bis (2-Chlorisopropyl) Ether (102-60-1)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
13B. Bis (2-Ethylhexyl) Phthalate (117-81-7)	X		X	< 10	< 0.36	NA	NA	NA	NA	1	ug/L	lbs/day	NA	NA	NA
14B. 4-Bromophenyl Phenyl Ether (101-55-3)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
15B. Butyl Benzyl Phthalate (85-68-7)	X		X	< 10	< 0.36	NA	NA	NA	NA	1	ug/L	lbs/day	NA	NA	NA
16B. 2-Chloronaphthalene (91-58-7)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
17B. 4-Chlorophenyl Phenyl Ether(7005-72-3)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
18B. Chrysene (218-01-9)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
19B. Dibenzo (a,h) Anthracene (53-70-3)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
20B. 1,2-Dichlorobenzene (95-50-1)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
21B. 1,3-Dichlorobenzene (541-73-1)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
22B. 1,4-Dichlorobenzene (106-46-7)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
23B. 3,3-Dichlorobenzidine (91-94-1)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA

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OUTFALL NUMBER 001

1. POLLUTANT AND CAS NUMBER	2 a. TESTING REQUIRED	2 b. BELIEVED PRESENT	2 c. BELIEVED ABSENT	3. EFFLUENT a. MAXIMUM DAILY VALUE (1) CONC.	a. MAXIMUM DAILY VALUE (2) MASS	b. MAXIMUM 30 DAY VALUE (1) CONC.	b. MAXIMUM 30 DAY VALUE (2) MASS	c. LONG TERM AVERAGE (LTA) (1) CONC.	c. LONG TERM AVERAGE (LTA) (2) MASS	d. NO. OF ANALYSES	4. UNITS a. CONC.	4. UNITS b. MASS	5. INTAKE (OPTIONAL) a. LTA VALUE (1) CONC.	a. LTA VALUE (2) MASS	b. NO. OF ANALYSES
24B. Diethyl Phthalate (84-66-2)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
25B. Dimethyl Phthalate (131-11-3)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
26B. Di-n-Butyl Phthalate (84-74-2)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
27B. 2,4-Dinitrotoluene (121-14-2)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
28B. 2,6-Dinitrotoluene (606-20-2)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
29B. Di-n-Octyl Phthalate (117-84-0)	X		X	< 10	< 0.36	NA	NA	NA	NA	1	ug/L	lbs/day	NA	NA	NA
30B. 1,2-Diphenylhydrazine (122-66-7) (3)	X		X	< 10	< 0.36	NA	NA	NA	NA	1	ug/L	lbs/day	NA	NA	NA
31B. Fluoranthene (206-44-0)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
32B. Fluorene (86-73-7)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
33B. Hexachlorobenzene (118-74-1)	X		X	< 0.05	< 0.002	NA	NA	NA	NA	1	ug/L	lbs/day	NA	NA	NA
34B. Hexachlorobutadiene (87-68-3)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
35B. Hexachlorocyclopentadiene (77-47-4)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
36B. Hexachloroethane (67-72-1)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
37B. Indeno (1,2,3-cd) Pyrene (193-39-5)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
38B. Isophorone (78-59-1)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
39B. Naphthalene (91-20-3)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
40B. Nitrobenzene (98-95-3)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
41B. N-Nitrosodimethylamine (62-75-9)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
42B. N-Nitrosodi-n-Propylamine (621-64-7)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
43B. N-Nitrosodiphenylamine (86-30-6)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
44B. Phenanthrene (85-01-8)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
45B. Pyrene (129-00-0)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
46B. 1,2,4-Trichlorobenzene (120-82-1)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
Part C–Pesticides															
1P. Aldrin (309-00-2)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
2P. alpha-BHC (319-84-6)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
3P. beta-BHC (319-85-7)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
4P. gamma-BHC (58-89-9)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
5P. delta-BHC (319-86-8)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
6P. Chlordane (57-74-9)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
7P. 4,4-DDT (50-29-3)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
8P. 4,4-DDE (72-55-9)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
9P. 4,4-DDD (72-54-8)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
10P. Dieldrin (60-57-1)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
11P. alpha-Endosulfan (115-29-7)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
12P. beta-Endosulfan (115-29-7)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
13P. Endosulfan Sulfate (1031-07-8)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
14P. Endrin (72-20-8)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
15P. Endrin Aldehyde (7421-93-4)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
16P. Heptachlor (76-44-8)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
17P. Heptachlor Epoxide (1024-57-3)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
18P. PCB-1242 (53469-21-9) (2)			X	< 1	< 0.03	NA	NA	NA	NA	1	ug/L	lbs/day	NA	NA	NA
19P. PCB-1254 (11097-69-1) (2)			X	< 1	< 0.03	NA	NA	NA	NA	1	ug/L	lbs/day	NA	NA	NA
20P. PCB-1221 (11104-28-2) (2)			X	< 1	< 0.03	NA	NA	NA	NA	1	ug/L	lbs/day	NA	NA	NA

ENTERGY OPERATIONS, INC. – River Bend Station

EPA I.D. NUMBER LAD070664818

OUTFALL NUMBER 001

1. POLLUTANT AND CAS NUMBER	2a. TESTING REQUIRED	2b. BELIEVED PRESENT	2c. BELIEVED ABSENT	3. EFFLUENT: a. MAXIMUM DAILY VALUE (1) CONC.	a. MAXIMUM DAILY VALUE (2) MASS	b. MAXIMUM 30 DAY VALUE (1) CONC.	b. MAXIMUM 30 DAY VALUE (2) MASS	c. LONG TERM AVERAGE (LTA) (1) CONC.	c. LONG TERM AVERAGE (LTA) (2) MASS	d. NO. OF ANALYSES	4. UNITS a. CONC.	4. UNITS b. MASS	5. INTAKE (OPTIONAL) a. LTA VALUE (1) CONC.	a. LTA VALUE (2) MASS	b. NO. OF ANALYSES
21P. PCB – 1232 (11141 – 16 – 5) (2)			X	< 1	< 0.03	NA	NA	NA	NA	1	ug/L	lbs/day	NA	NA	NA
22P. PCB – 1248 (12672 – 29 – 6) (2)			X	< 1	< 0.03	NA	NA	NA	NA	1	ug/L	lbs/day	NA	NA	NA
23P. PCB – 1260 (11096 – 82 – 5) (2)			X	< 1	< 0.03	NA	NA	NA	NA	1	ug/L	lbs/day	NA	NA	NA
24P. PCB – 1016 (12674 – 11 – 2) (2)			X	< 1	< 0.03	NA	NA	NA	NA	1	ug/L	lbs/day	NA	NA	NA
Total PCBs (2)			X	< 7	< 0.18	NA	NA	NA	NA	1	ug/L	lbs/day	NA	NA	NA
25P. Toxaphene (8001 – 35 – 2)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
Part C – Other Parameters															
Free Available Chlorine (6)			X	< 0.05	< 1.80	< 0.05	< 1.80	< 0.05	< 1.80	53	mg/L	lbs/day	NA	NA	NA

(1) Total beta, Total Radium, and Total Radium 226 are believed present within the anticipated background values for naturally occuring radioactive material. However, there is one intermittent low – level radioactivity source to Outfall 001 which is monitored at Outfall 002.

(2) These parameters are not required to be tested at Entergy's Outfall 001 due to provisions at 40 CFR 122.21(g)(7); however, they were tested for the purpose of screening for the potential for exceeding the applicable numerical criteria of the Louisiana Surface Water Quality Standards.

(3) These parameters are found on Table V of the U.S. Environmental Protection Agency Form 2C; however, they are not required to be tested in accordance with 40 CFR 122.21(g)(7) and 40 CFR 122 Appendix D Table II.

(4) 2 – Chloroethylvinyl Ether was not detected; it is known to hydrolyze in the presence of dilute acid.

(5) 1,2 – Diphenylhydrazine as Azobenzene.

(6) This pollutant is required to be analyzed at Outfall 001 by Entergy's NPDES Permit No. LA0042731 and LWDPS Permit No. WP 0409.

Notes: The daily average flow rate of 4.320 MGD obtained during the 24 – hour sampling period from 06/22 – 23/1995 was used to calculate the mass for those parameters (except for PCBs) for which only one laboratory analysis was performed. For PCBs, composite samples were obtained during the 24 – hour sampling period from 08/28 – 29/1995. A flow rate of 3.15 MGD obtained during this sampling event was used to calculate the mass for PCBs.

The monthly DMR forms for 24 months (February 1993 through January 1995) for flow data and 12 months (February 1994 – January 1995) for all other parameters were used to calculate the Maximum Daily Value, Maximum 30 Day Value, and the Long Term Average Value for those parameters that are routinely monitored pursuant to Entergy's NPDES and LWDPS permits.

The sample for Fecal Coliform analyses was collected on 6/28/95.

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

NA = Testing not required; no data available.

ENTERGY OPERATIONS, INC. – River Bend Station

EPA I.D. NUMBER LAD070664818

OUTFALL NUMBER 002 (1)

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

Part A

1. POLLUTANT	2. EFFLUENT a. MAXIMUM DAILY VALUE (1) CONC.	a. (2) MASS	b. MAXIMUM 30 DAY VALUE (1) CONC.	b. (2) MASS	c. LONG TERM AVERAGE (LTA) (1) CONC.	c. (2) MASS	d. NO. OF ANALYSES	3. UNITS a. CONC.	3. UNITS b. MASS	4. INTAKE (OPTIONAL) a. LTA VALUE (1) CONC.	a. (2) MASS	b. NO. OF ANALYSES
a. Biochemical Oxygen Demand (BOD)	< 3	< 0.8	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
b. Chemical Oxygen Demand (COD)	< 4	< 1.0	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
c. Total Organic Carbon (TOC)	< 2.2	< 0.6	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
d. Total Suspended Solids (TSS)	9.2	4.0	2.7	0.9	< 0.8	< 0.3	109	mg/L	lbs/day	NA	NA	NA
e. Ammonia (as N)	< 0.14	< 0.04	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
f. Flow	VALUE	0.214	VALUE	0.071	VALUE	0.039	634	MGD	NA	NA	NA	NA
g. Temperature (summer) (2)	VALUE	27.1 (25.0)	VALUE	NA	VALUE	NA	1	°C	NA	NA	NA	NA
h. Temperature (winter)	VALUE	NA	VALUE	NA	VALUE	NA	0	NA	NA	NA	NA	NA
	MINIMUM	MAXIMUM										
i. pH (2)	8.21 (6.50)	8.21 (6.50)					1	S.U.	NA	NA	NA	NA

Part B

1. POLLUTANT AND CAS NO.	2a. BELIEVED PRESENT	2b. BELIEVED ABSENT	3. EFFLUENT a. MAXIMUM DAILY VALUE (1) CONC.	a. (2) MASS	b. MAXIMUM 30 DAY VALUE (1) CONC.	b. (2) MASS	c. LONG TERM AVERAGE (LTA) (1) CONC.	c. (2) MASS	d. NO. OF ANALYSES	4. UNITS a. CONC.	4. UNITS b. MASS	5. INTAKE (OPTIONAL) a. LTA (1) CONC.	a. (2) MASS	B. NO. OF ANALYSES
a. Bromide (24959-67-9)		X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
b. Chlorine, Total Residual		X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
c. Color (True/Apparent) (2)	X		<15/<15 (1)	NA	NA	NA	NA	NA	1	APHA Units	NA	NA	NA	NA
d. Fecal Coliform		X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
e. Fluoride (16984-48-8)	X		< 0.15	< 0.04	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
f. Nitrate-Nitrite (as N)	X		< 0.42	< 0.12	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
g. Nitrogen, Total Organic (as N)		X	< 0.56	< 0.16	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
h. Oil & Grease	X		24.5	7.2	5.6	2.2	< 1.8	< 0.7	113	mg/L	lbs/day	NA	NA	NA
i. Phosphorus (as P), Total (7723-14-0)	X		< 0.60	< 0.17	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
j. Radioactivity-(1) alpha, Total (2)	X		< 0.1 (8.6)	NA	NA	NA	NA	NA	1	pCi/L	NA	NA	NA	NA
j. Radioactivity-(2) beta, Total (2)	X		< 0.1 (9530)	NA	NA	NA	NA	NA	1	pCi/L	NA	NA	NA	NA
j. Radioactivity-(3) Radium, Total (2) (See Note*)		X	< 0.1 (*)	NA	NA	NA	NA	NA	1	pCi/L	NA	NA	NA	NA
j. Radioactivity-(4) Radium 226, Total (2)		X	< 0.1 (< 0.3)	NA	NA	NA	NA	NA	1	pCi/L	NA	NA	NA	NA
k. Sulfate (as SO_4) (14808-79-8)	X		< 11.3	< 3.1	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
l. Sulfide (as S)		X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
m. Sulfite (as SO_3) (14265-45-3)	X		< 1.2	< 0.3	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
n. Surfactants		X	< 0.3	< 0.1	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
o. Aluminum, Total (7429-90-5)		X	< 0.13	< 0.04	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
p. Barium, Total (7440-39-3)		X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
q. Boron, Total (7440-42-8)		X	< 2.7	< 0.8	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
r. Cobalt, Total (7440-48-4)		X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
s. Iron, Total (7439-89-6)	X		0.112	0.031	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
t. Magnesium, Total (7439-95-4)	X		< 0.143	< 0.040	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
u. Molybdenum, Total (7439-98-7)		X	< 0.06	< 0.02	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
v. Manganese, Total (7439-96-5)	X		< 0.035	< 0.010	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
w. Tin, Total (7440-31-5)		X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
x. Titanium, Total (7440-32-6)		X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA

ENTERGY OPERATIONS, INC. – River Bend Station

EPA I.D. NUMBER LAD070664818

OUTFALL NUMBER 002 [1]

1. POLLUTANT AND CAS NUMBER	2 a. TESTING REQUIRED	2 b. BELIEVED PRESENT	2 c. BELIEVED ABSENT	3. EFFLUENT a. MAXIMUM DAILY VALUE (1) CONC.	(2) MASS	b. MAXIMUM 30 DAY VALUE (1) CONC.	(2) MASS	c. LONG TERM AVERAGE (LTA) (1) CONC.	(2) MASS	d. NO. OF ANALYSES	4. UNITS a. CONC.	b. MASS	5. INTAKE (OPTIONAL) a. LTA VALUE (1) CONC.	(2) MASS	b. NO. OF ANALYSES
Part C – Metals, Cyanide, and Total Phenols															
1M. Antimony, Total (7440-36-0)	X		X	< 0.25	< 0.07	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
2M. Arsenic, Total (7440-38-2)	X		X	< 0.05	< 0.01	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
3M. Beryllium, Total (7440-41-7)	X		X	< 0.002	< 0.001	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
4M. Cadmium, Total (7440-43-9)	X	X		< 0.004	< 0.001	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
5M. Chromium, Total (7440-47-3)	X		X	< 0.010	< 0.003	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
6M. Copper, Total (7440-50-8)	X	X		0.007	0.002	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
7M. Lead, Total (7439-92-1)	X		X	< 0.026	< 0.007	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
8M. Mercury, Total (7439-97-6)	X		X	< 0.0002	< 0.0001	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
9M. Nickel, Total (7440-02-0)	X		X	< 0.026	< 0.007	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
10M. Selenium, Total (7782-49-2)	X		X	< 0.047	< 0.013	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
11M. Silver, Total (7440-22-4)	X		X	< 0.006	< 0.002	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
12M. Thallium, Total (7440-28-0)	X		X	< 0.048	< 0.013	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
13M. Zinc, Total (7440-66-6)	X	X		< 0.029	< 0.008	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
14M. Cyanide, Total (57-12-5)	X		X	< 0.006	< 0.002	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
15M. Phenols, Total	X	X		< 0.140	< 0.039	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
Dioxin															
2,3,7,8-Tetrachlorodibenzo-P-Dioxin(1764-01-6)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
Part C – Volatile Compounds															
1V. Acrolein (107-02-8)	X		X	< 23	< 0.006	NA	NA	NA	NA	1	ug/L	lbs/day	NA	NA	NA
2V. Acrylonitrile (107-13-1)	X		X	< 23	< 0.006	NA	NA	NA	NA	1	ug/L	lbs/day	NA	NA	NA
3V. Benzene (71-43-2)	X		X	< 5	< 0.001	NA	NA	NA	NA	1	ug/L	lbs/day	NA	NA	NA
4V. Bis (Chloromethyl) Ether(542-88-1) [3]	NA	NA	NA	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
5V. Bromoform (75-25-2)	X		X	< 5	< 0.001	NA	NA	NA	NA	1	ug/L	lbs/day	NA	NA	NA
6V. Carbon Tetrachloride (56-23-5)	X		X	< 5	< 0.001	NA	NA	NA	NA	1	ug/L	lbs/day	NA	NA	NA
7V. Chlorobenzene (108-90-7)	X		X	< 5	< 0.001	NA	NA	NA	NA	1	ug/L	lbs/day	NA	NA	NA
8V. Chlorodibromomethane (124-48-1)	X		X	< 5	< 0.001	NA	NA	NA	NA	1	ug/L	lbs/day	NA	NA	NA
9V. Chloroethane (75-00-3)	X		X	< 7	< 0.002	NA	NA	NA	NA	1	ug/L	lbs/day	NA	NA	NA
10V. 2-Chloroethylvinyl Ether(110-75-8) [4]	X		X	< 5	< 0.001	NA	NA	NA	NA	1	ug/L	lbs/day	NA	NA	NA
11V. Chloroform (67-66-3)	X		X	< 5	< 0.001	NA	NA	NA	NA	1	ug/L	lbs/day	NA	NA	NA
12V. Dichlorobromomethane (75-27-4)	X		X	< 5	< 0.001	NA	NA	NA	NA	1	ug/L	lbs/day	NA	NA	NA
13V. Dichlorodifluoromethane (75-71-8) [3]	NA	NA	NA	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
14V. 1,1-Dichloroethane (75-34-3)	X		X	< 5	< 0.001	NA	NA	NA	NA	1	ug/L	lbs/day	NA	NA	NA
15V. 1,2-Dichloroethane (107-06-2)	X		X	< 5	< 0.001	NA	NA	NA	NA	1	ug/L	lbs/day	NA	NA	NA
16M. 1,1-Dichloroethylene (75-35-4)	X		X	< 5	< 0.001	NA	NA	NA	NA	1	ug/L	lbs/day	NA	NA	NA
17V. 1,2-Dichloropropane (78-87-5)	X		X	< 5	< 0.001	NA	NA	NA	NA	1	ug/L	lbs/day	NA	NA	NA
18V. 1,3-Dichloropropylene (542-75-6)	X		X	< 5	< 0.001	NA	NA	NA	NA	1	ug/L	lbs/day	NA	NA	NA
19V. Ethylbenzene (100-41-4)	X		X	< 5	< 0.001	NA	NA	NA	NA	1	ug/L	lbs/day	NA	NA	NA
20V. Methyl Bromide (74-83-9)	X		X	< 7	< 0.002	NA	NA	NA	NA	1	ug/L	lbs/day	NA	NA	NA
21V. Methyl Chloride (74-87-3)	X		X	< 7	< 0.002	NA	NA	NA	NA	1	ug/L	lbs/day	NA	NA	NA
22V. Methylene Chloride (75-09-2)	X		X	< 8	< 0.002	NA	NA	NA	NA	1	ug/L	lbs/day	NA	NA	NA
23V. 1,1,2,2-Tetrachloroethane (79-34-5)	X		X	< 5	< 0.001	NA	NA	NA	NA	1	ug/L	lbs/day	NA	NA	NA
24V. Tetrachloroethylene (127-18-4)	X		X	< 5	< 0.001	NA	NA	NA	NA	1	ug/L	lbs/day	NA	NA	NA
25V. Toluene (108-88-3)	X		X	< 5	< 0.001	NA	NA	NA	NA	1	ug/L	lbs/day	NA	NA	NA

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OUTFALL NUMBER 002 (1)

1. POLLUTANT AND CAS NUMBER	2 a. TESTING REQUIRED	2 b. BELIEVED PRESENT	2 c. BELIEVED ABSENT	3. EFFLUENT a. MAXIMUM DAILY VALUE (1) CONC.	a. MAXIMUM DAILY VALUE (2) MASS	b. MAXIMUM 30 DAY VALUE (1) CONC.	b. MAXIMUM 30 DAY VALUE (2) MASS	c. LONG TERM AVERAGE (LTA) (1) CONC.	c. LONG TERM AVERAGE (LTA) (2) MASS	d. NO. OF ANALYSES	4. UNITS a. CONC.	4. UNITS b. MASS	5. INTAKE (OPTIONAL) a. LTA VALUE (1) CONC.	a. LTA VALUE (2) MASS	b. NO. OF ANALYSES
25V 1,2-Trans-Dichloroethylene (156-60-5)	X		X	< 5	< 0.001	NA	NA	NA	NA	1	ug/L	lbs/day	NA	NA	NA
27V 1,1,1-Trichloroethane (71-55-6)	X		X	< 5	< 0.001	NA	NA	NA	NA	1	ug/L	lbs/day	NA	NA	NA
28V 1,1,2-Trichloroethane (79-00-5)	X		X	< 5	< 0.001	NA	NA	NA	NA	1	ug/L	lbs/day	NA	NA	NA
29V Trichloroethylene (79-01-6)	X		X	< 5	< 0.001	NA	NA	NA	NA	1	ug/L	lbs/day	NA	NA	NA
30V Trichlorofluoromethane (75-69-4) (3)	NA	NA	NA	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
31V Vinyl Chloride (75-01-4)	X		X	< 7	< 0.002	NA	NA	NA	NA	1	ug/L	lbs/day	NA	NA	NA
Part C–Acid Compounds															
1A 2-Chlorophenol (95-57-8)	X		X	< 10	< 0.003	NA	NA	NA	NA	1	ug/L	lbs/day	NA	NA	NA
2A 2,4-Dichlorophenol (120-83-2)	X		X	< 10	< 0.003	NA	NA	NA	NA	1	ug/L	lbs/day	NA	NA	NA
3A 2,4-Dimethylphenol (105-67-9)	X		X	< 10	< 0.003	NA	NA	NA	NA	1	ug/L	lbs/day	NA	NA	NA
4A 4,6-Dinitro-o-Cresol (534-52-1)	X		X	< 50	< 0.014	NA	NA	NA	NA	1	ug/L	lbs/day	NA	NA	NA
5A 2,4-Dinitrophenol (51-28-5)	X		X	< 50	< 0.014	NA	NA	NA	NA	1	ug/L	lbs/day	NA	NA	NA
6A 2-Nitrophenol (88-75-5)	X		X	< 10	< 0.003	NA	NA	NA	NA	1	ug/L	lbs/day	NA	NA	NA
7A 4-Nitrophenol (100-02-7)	X		X	< 50	< 0.014	NA	NA	NA	NA	1	ug/L	lbs/day	NA	NA	NA
8A p-Chloro-m-Cresol (59-50-7)	X		X	< 10	< 0.003	NA	NA	NA	NA	1	ug/L	lbs/day	NA	NA	NA
9A Pentachlorophenol (87-86-5)	X		X	< 50	< 0.014	NA	NA	NA	NA	1	ug/L	lbs/day	NA	NA	NA
10A Phenol (108-95-2)	X		X	< 10	< 0.003	NA	NA	NA	NA	1	ug/L	lbs/day	NA	NA	NA
11A 2,4,6-Trichlorophenol (88-06-2)	X		X	< 10	< 0.003	NA	NA	NA	NA	1	ug/L	lbs/day	NA	NA	NA
Part C–Base/Neutral Compounds															
1B Acenaphthene (83-32-9)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
2B Acenaphthylene (208-96-8)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
3B Anthracene (120-12-7)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
4B Benzidine (92-87-5)			X	NA	NA	NA	NA	NA	NA	C	NA	NA	NA	NA	NA
5B Benzo (a) Anthracene (56-55-3)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
6B Benzo (a) Pyrene (50-32-8)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
7B 3,4-Benzofluoranthene (205-99-2)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
8B Benzo (g,h,i) Perylene (191-24-2)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
9B Benzo (k) Fluoranthene (207-08-9)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
10B Bis(2-Chloroethoxy)Methane(111-91-1)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
11B Bis (2-Chloroethyl) Ether (111-44-4)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
12B Bis (2-Chlorisopropyl) Ether (102-60-1)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
13B Bis (2-Ethylhexyl) Phthalate (117-81-7)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
14B 4-Bromophenyl Phenyl Ether (101-55-3)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
15B Butyl Benzyl Phthalate (85-68-7)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
16B 2-Chloronaphthalene (91-58-7)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
17B 4-Chlorophenyl Phenyl Ether(7005-72-3)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
18B Chrysene (218-01-9)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
19B Dibenzo (a,h) Anthracene (53-70-3)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
20B 1,2-Dichlorobenzene (95-50-1)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
21B 1,3-Dichlorobenzene (541-73-1)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
22B 1,4-Dichlorobenzene (106-46-7)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
23B 3,3-Dichlorobenzidine (91-94-1)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
24B Diethyl Phthalate (84-66-2)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
25B Dimethyl Phthalate (131-11-3)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA

ENTERGY OPERATIONS, INC. – River Bend Station

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OUTFALL NUMBER 002 [1]

1. POLLUTANT AND CAS NUMBER	2 a. TESTING REQUIRED	2 b. BELIEVED PRESENT	2 c. BELIEVED ABSENT	3. EFFLUENT a. MAXIMUM DAILY VALUE (1) CONC.	3. a. (2) MASS	3. b. MAXIMUM 30 DAY VALUE (1) CONC.	3. b. (2) MASS	3. c. LONG TERM AVERAGE (LTA) (1) CONC.	3. c. (2) MASS	3. d. NO. OF ANALYSES	4. UNITS a. CONC.	4. b. MASS	5. INTAKE (OPTIONAL) a. LTA VALUE (1) CONC.	5. a. (2) MASS	5. b. NO. OF ANALYSES
26B. Di-n-Butyl Phthalaie (84-74-2)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
27B. 2,4-Dinitrotoluene (121-14-2)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
28B. 2,6-Dinitrotoluene (606-20-2)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
29B. Di-n-Octyl Phthalate (117-84-0)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
30B. 1,2-Diphenylhydrazine (122-66-7)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
31B. Fluoranthene (206-44-0)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
32B. Fluorene (86-73-7)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
33B. Hexachlorobenzene (118-74-1)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
34B. Hexachlorobutadiene (87-68-3)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
35B. Hexachlorocyclopentadiene (77-47-4)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
36B. Hexachloroethane (67-72-1)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
37B. Indeno (1,2,3-cd) Pyrene (193-39-5)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
38B. Isophorone (78-59-1)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
39B. Naphthalene (91-20-3)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
40B. Nitrobenzene (98-95-3)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
41B. N-Nitrosodimethylamine (62-75-9)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
42B. N-Nitrosodi-n-Propylamine (621-64-7)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
43B. N-Nitrosodiphenylamine (86-30-6)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
44B. Phenanthrene (85-01-8)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
45B. Pyrene (129-00-0)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
46B. 1,2,4-Trichlorobenzene (120-82-1)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
Part C–Pesticides															
1P. Aldrin (309-00-2)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
2P. alpha-BHC (319-84-6)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
3P. beta-BHC (319-85-7)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
4P. gamma-BHC (58-89-9)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
5P. delta-BHC (319-86-8)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
6P. Chlordane (57-74-9)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
7P. 4,4-DDT (50-29-3)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
8P. 4,4-DDE (72-55-9)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
9P. 4,4-DDD (72-54-8)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
10P. Dieldrin (60-57-1)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
11P. alpha-Endosulfan (115-29-7)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
12P. beta-Endosulfan (115-29-7)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
13P. Endosulfan Sulfate (1031-07-8)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
14P. Endrin (72-20-8)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
15P. Endrin Aldehyde (7421-93-4)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
16P. Heptachlor (76-44-8)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
17P. Heptachlor Epoxide (1024-57-3)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
18P. PCB-1242 (53469-21-9)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
19P. PCB-1254 (11097-69-1)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
20P. PCB-1221 (11104-28-2)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
21P. PCB-1232 (11141-16-5)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
22P. PCB-1248 (12672-29-6)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA

ENTERGY OPERATIONS, INC. – River Bend Station

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OUTFALL NUMBER 002 [1]

1. POLLUTANT AND CAS NUMBER	2 a. TESTING REQUIRED	2 b. BELIEVED PRESENT	2 c. BELIEVED ABSENT	3. EFFLUENT a. MAXIMUM DAILY VALUE (1) CONC.	3. a. MAXIMUM DAILY VALUE (2) MASS	3. b. MAXIMUM 30 DAY VALUE (1) CONC.	3. b. MAXIMUM 30 DAY VALUE (2) MASS	3. c. LONG TERM AVERAGE (LTA) (1) CONC.	3. c. LONG TERM AVERAGE (LTA) (2) MASS	3. d. NO. OF ANALYSES	4. UNITS a. CONC.	4. UNITS b. MASS	5. INTAKE (OPTIONAL) a. LTA VALUE (1) CONC.	5. a. LTA VALUE (2) MASS	5. b. NO. OF ANALYSES
23P. PCB-1260 (11096-82-5)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
24P. PCB-1016 (12674-11-2)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
25P. Toxaphene (8001-35-2)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA

[1] Outfall 002 consists of waste streams which are intermittently routed to two low-volume waste treatment systems [non-radioactive treatment system (002A) and low-level radioactive treatment system (002B)]. The discharges from each treatment system are separately sampled and analyzed. The separate results are combined (flow-weighted) and characterized as the final results for Outfall 002.

[2] The individual analytical results are shown for both Outfalls 002A and 002B (in parentheses) because it is inappropriate to flow-weight the results for this parameter.

[3] These parameters are found on Table V of the U.S. Environmental Protection Agency Form 2C; however, they are not required to be tested in accordance with 40 CFR 122.21(g)(7) and 40 CFR 122 Appendix D Table II.

[4] 2-Chloroethylvinyl Ether was not detected; it is known to hydrolyze in the presence of dilute acid.

Notes: The daily average combined flow rate of 0.033 MGD (0.018 MGD and 0.015 MGD at Outfalls 002A and 002B, respectively) obtained during the sampling period from 6/21/95 (002B) and 6/22/95 (002A) was used to calculate the mass for those parameters (except for mercury) for which only one laboratory analysis was performed.

A sample for mercury analysis was collected on 8/29/95 at Outfall 002A. The flow rate corresponding to this sample was 0.022 MGD. For Mercury, the results from the two separate sampling events (one at 002A on 8/29/95, and the other at 002B on 6/21/95) are combined (flow-weighted) to get the final results at Outfall 002.

The monthly DMR forms for 24 months (February 1993 through January 1995) for flow data and 12 months (February 1994 through January 1995) for all other parameters were used to calculate the Maximum Daily Value, Maximum 30 Day Value, and the Long Term Average Value for those parameters that are routinely monitored pursuant to Entergy's NPDES and LWDPS permits.

All analytical results reported with a "less than" sign (<) were either (1) not detected in the effluent sample at or above the analytical method detection limit achieved by the applicable laboratory analytical method or (2) not detected and quantifiable at the practical quanatitation limit achieved by the applicable laboratory analytical method. Also, if one of the results among the two samples (002A and 002B) was less than method detection limit, the combined result is reported with a "less than" sign (<). Further, if a parameter was detected at either 002A or 002B, then the parameter is believed present.

NA = Testing not required; no data available.

* No analytical data were available for Total Radium for Outfall 002B due to a laboratory error.

ENTERGY OPERATIONS, INC. – River Bend Station

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OUTFALL NUMBER 003 (1)

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

Part A

1. POLLUTANT	2. EFFLUENT a. MAXIMUM DAILY VALUE (1) CONC.	a. (2) MASS	b. MAXIMUM 30 DAY VALUE (1) CONC.	b. (2) MASS	c. LONG TERM AVERAGE (LTA) (1) CONC.	c. (2) MASS	d. NO. OF ANALYSES	3. UNITS a. CONC.	3. UNITS b. MASS	4. INTAKE (OPTIONAL) a. LTA VALUE (1) CONC.	a. (2) MASS	b. NO. OF ANALYSES
a. Biochemical Oxygen Demand (BOD)	< 1.0	< 0.003	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
b. Chemical Oxygen Demand (COD)	< 5.0	< 0.02	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
c. Total Organic Carbon (TOC)	3.7	0.01	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
d. Total Suspended Solids (TSS)	< 1	< 0.003	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
e. Ammonia (as N)	0.1	0.0002	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
f. Flow	VALUE	0.0004	VALUE	NA	VALUE	NA	1	MGD	NA	NA	NA	NA
g. Temperature (summer)	VALUE	31.1	VALUE	NA	VALUE	NA	1	°C	NA	NA	NA	NA
h. Temperature (winter)	VALUE	NA	VALUE	NA	VALUE	NA	0	NA	NA	NA	NA	NA
i. pH	MINIMUM 6.77	MAXIMUM 6.77					1	S.U.	NA	NA	NA	NA

Part B

1. POLLUTANT AND CAS NO.	2a. BELIEVED PRESENT	2b. BELIEVED ABSENT	3. EFFLUENT a. MAXIMUM DAILY VALUE (1) CONC.	a. (2) MASS	b. MAXIMUM 30 DAY VALUE (1) CONC.	b. (2) MASS	c. LONG TERM AVERAGE (LTA) (1) CONC.	c. (2) MASS	d. NO. OF ANALYSES	4. UNITS a. CONC.	4. UNITS b. MASS	5. INTAKE (OPTIONAL) a. LTA (1) CONC.	a. (2) MASS	B. NO. OF ANALYSES
a. Bromide (24959-67-9)		X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
b. Chlorine, Total Residual		X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
c. Color (True/Apparent)	X		22/25	NA	NA	NA	NA	NA	1	APHA Units	NA	NA	NA	NA
d. Fecal Coliform		X	< 1	NA	NA	NA	NA	NA	1	Col./100 ml	NA	NA	NA	NA
e. Fluoride (16984-48-8)		X	< 0.1	< 0.0003	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
f. Nitrate-Nitrite (as N)		X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
g. Nitrogen, Total Organic (as N)		X	< 1	< 0.003	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
h. Oil & Grease		X	< 1	< 0.003	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
i. Phosphorus (as P), Total (7723-14-0)		X	< 0.05	< 0.0002	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
j. Radioactivity-(1) alpha, Total		X	< 0.1	NA	NA	NA	NA	NA	1	pCi/L	NA	NA	NA	NA
j. Radioactivity-(2) beta, Total		X	< 0.1	NA	NA	NA	NA	NA	1	pCi/L	NA	NA	NA	NA
j. Radioactivity-(3) Radium, Total		X	< 0.1	NA	NA	NA	NA	NA	1	pCi/L	NA	NA	NA	NA
j. Radioactivity-(4) Radium 226, Total		X	< 0.1	NA	NA	NA	NA	NA	1	pCi/L	NA	NA	NA	NA
k. Sulfate (as SO_4) (14808-79-8)	X		93.6	0.3	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
l. Sulfide (as S)		X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
m. Sulfite (as SO_3) (14265-45-3)		X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
n. Surfactants		X	< 0.1	< 0.0003	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
o. Aluminum, Total (7429-90-5)		X	< 0.2	< 0.001	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
p. Barium, Total (7440-39-3)	X		0.120	0.0004	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
q. Boron, Total (7440-42-8)		X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
r. Cobalt, Total (7440-48-4)		X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
s. Iron, Total (7439-89-6)	X		0.309	0.001	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
t. Magnesium, Total (7439-95-4)	X		9.68	0.03	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
u. Molybdenum, Total (7439-98-7)		X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
v. Manganese, Total (7439-96-5)		X	< 0.02	< 0.000[illegible]	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
w. Tin, Total (7440-31-5)		X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
x. Titanium, Total (7440-32-6)		X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA

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OUTFALL NUMBER 003 (1)

1. POLLUTANT AND CAS NUMBER	2a. TESTING REQUIRED	2b. BELIEVED PRESENT	2c. BELIEVED ABSENT	3. EFFLUENT a. MAXIMUM DAILY VALUE (1) CONC.	3a. (2) MASS	3. b. MAXIMUM 30 DAY VALUE (1) CONC.	3b. (2) MASS	3. c. LONG TERM AVERAGE (LTA) (1) CONC.	3c. (2) MASS	3. d. NO. OF ANALYSES	4. UNITS a. CONC.	4. b. MASS	5. INTAKE (OPTIONAL) a. LTA VALUE (1) CONC.	5a. (2) MASS	5. b. NO. OF ANALYSES
Part C–Metals, Cyanide, and Total Phenols															
1M. Antimony, Total (7440-36-0)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
2M. Arsenic, Total (7440-38-2)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
3M. Beryllium, Total (7440-41-7)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
4M. Cadmium, Total (7440-43-9)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
5M. Chromium, Total (7440-47-3)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
6M. Copper, Total (7440-50-8)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
7M. Lead, Total (7439-92-1)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
8M. Mercury, Total (7439-97-6)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
9M. Nickel, Total (7440-02-0)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
10M. Selenium, Total (7782-49-2)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
11M. Silver, Total (7440-22-4)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
12M. Thallium, Total (7440-28-0)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
13M. Zinc, Total (7440-66-6)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
14M. Cyanide, Total (57-12-5)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
15M. Phenols, Total			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
Dioxin															
2,3,7,8-Tetrachlorodibenzo-P-Dioxin(1764-01-6)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
Part C–Volatile Compounds															
1V. Acrolein (107-02-8)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
2V. Acrylonitrile (107-13-1)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
3V. Benzene (71-43-2)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
4V. Bis (Chloromethyl) Ether(542-88-1)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
5V. Bromoform (75-25-2)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
6V. Carbon Tetrachloride (56-23-5)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
7V. Chlorobenzene (108-90-7)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
8V. Chlorodibromomethane (124-48-1)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
9V. Chloroethane (75-00-3)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
10V. 2-Chloroethylvinyl Ether(110-75-8)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
11V. Chloroform (67-66-3)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
12V. Dichlorobromomethane (75-27-4)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
13V. Dichlorodifluoromethane (75-71-8)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
14V. 1,1-Dichloroethane (75-34-3)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
15V. 1,2-Dichloroethane (107-06-2)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
16M. 1,1-Dichloroethylene (75-35-4)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
17V. 1,2-Dichloropropane (78-87-5)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
18V. 1,3-Dichloropropylene (542-75-6)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
19V. Ethylbenzene (100-41-4)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
20V. Methyl Bromide (74-83-9)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
21V. Methyl Chloride (74-87-3)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
22V. Methylene Chloride (75-09-2)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
23V. 1,1,2,2-Tetrachloroethane (79-34-5)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
24V. Tetrachloroathylene (127-18-4)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
25V. Toluene (108-88-3)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA

Continued

ENTERGY OPERATIONS, INC. – River Bend Station

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OUTFALL NUMBER 003 (1)

1. POLLUTANT AND CAS NUMBER	2a. TESTING REQUIRED	2b. BELIEVED PRESENT	2c. BELIEVED ABSENT	3. EFFLUENT a. MAXIMUM DAILY VALUE (1) CONC.	(2) MASS	b. MAXIMUM 30 DAY VALUE (1) CONC.	(2) MASS	c. LONG TERM AVERAGE (LTA) (1) CONC.	(2) MASS	d. NO. OF ANALYSES	4. UNITS a. CONC.	b. MASS	5. INTAKE (OPTIONAL) a. LTA VALUE (1) CONC.	(2) MASS	b. NO. OF ANALYSES
26V 1,2-Trans-Dichloroethylene (156-60-5)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
27V 1,1,1-Trichloroethane (71-55-6)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
28V 1,1,2-Trichloroethane (79-00-5)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
29V Trichloroethylene (79-01-6)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
30V Trichlorofluoromethane (75-69-4)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
31V Vinyl Chloride (75-01-4)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
Part C–Acid Compounds															
1A. 2-Chlorophenol (95-57-8)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
2A. 2,4-Dichlorophenol (120-83-2)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
3A. 2,4-Dimethylphenol (105-67-9)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
4A. 4,6-Dinitro-o-Cresol (534-52-1)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
5A. 2,4-Dinitrophenol (51-28-5)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
6A. 2-Nitrophenol (88-75-5)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
7A. 4-Nitrophenol (100-02-7)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
8A. p-Chloro-m-Cresol (59-50-7)			X	[illegible]	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
9A. Pentachlorophenol (87-86-5)			X	[illegible]	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
10A. Phenol (108-95-2)			X	[illegible]	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
11A. 2,4,6-Trichlorophenol (88-06-2)			X	[illegible]	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
Part C–Base/Neutral Compounds															
1B. Acenaphthene (83-32-9)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
2B. Acenaphthylene (208-96-8)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
3B. Anthracene (120-12-7)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
4B. Benzidine (92-87-5)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
5B. Benzo (a) Anthracene (56-55-3)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
6B. Benzo (a) Pyrene (50-32-8)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
7B. 3,4-Benzofluoranthene (205-99-2)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
8B. Benzo (g,h,i) Perylene (191-24-2)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
9B. Benzo (k) Fluoranthene (207-08-9)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
10B. Bis(2-Chloroethoxy)Methane(111-91-1)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
11B. Bis (2-Chloroethyl) Ether (111-44-4)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
12B. Bis (2-Chloroisopropyl) Ether (102-60-1)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
13B. Bis (2-Ethylhexyl) Phthalate (117-81-7)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
14B. 4-Bromophenyl Phenyl Ether (101-55-3)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
15B. Butyl Benzyl Phthalate (85-68-7)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
16B. 2-Chloronaphthalene (91-58-7)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
17B. 4-Chlorophenyl Phenyl Ether(7005-72-3)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
18B. Chrysene (218-01-9)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
19B. Dibenzo (a,h) Anthracene (53-70-3)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
20B. 1,2-Dichlorobenzene (95-50-1)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
21B. 1,3-Dichlorobenzene (541-73-1)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
22B. 1,4-Dichlorobenzene (106-46-7)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
23B. 3,3-Dichlorobenzidine (91-94-1)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
24B. Diethyl Phthalate (84-66-2)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
25B. Dimethyl Phthalate (131-11-3)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA

ENTERGY OPERATIONS, INC. – River Bend Station

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OUTFALL NUMBER 003 (1)

1. POLLUTANT AND CAS NUMBER	2a. TESTING REQUIRED	2b. BELIEVED PRESENT	2c. BELIEVED ABSENT	3. EFFLUENT a. MAXIMUM DAILY VALUE (1) CONC.	(2) MASS	b. MAXIMUM 30 DAY VALUE (1) CONC.	(2) MASS	c. LONG TERM AVERAGE (LTA) (1) CONC.	(2) MASS	d. NO. OF ANALYSES	4. UNITS a. CONC.	b. MASS	5. INTAKE (OPTIONAL) a. LTA VALUE (1) CONC.	(2) MASS	b. NO. OF ANALYSES
26B. Di-n-Butyl Phthalate (84-74-2)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
27B. 2,4-Dinitrotoluene (121-14-2)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
28B. 2,6-Dinitrotoluene (606-20-2)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
29B. Di-n-Octyl Phthalate (117-84-0)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
30B. 1,2-Diphenylhydrazine (122-66-7)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
31B. Fluoranthene (206-44-0)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
32B. Fluorene (86-73-7)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
33B. Hexachlorobenzene (118-74-1)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
34B. Hexachlorobutadiene (87-68-3)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
35B. Hexachlorocyclopentadiene (77-47-4)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
36B. Hexachloroethane (67-72-1)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
37B. Indeno (1,2,3-cd) Pyrene (193-39-5)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
38B. Isophorone (78-59-1)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
39B. Naphthalene (91-20-3)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
40B. Nitrobenzene (98-95-3)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
41B. N-Nitrosodimethylamine (62-75-9)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
42B. N-Nitrosodi-n-Propylamine (621-64-7)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
43B. N-Nitrosodiphenylamine (86-30-6)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
44B. Phenanthrene (85-01-8)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
45B. Pyrene (129-00-0)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
46B. 1,2,4-Trichlorobenzene (120-82-1)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
Part C–Pesticides															
1P. Aldrin (309-00-2)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
2P. alpha-BHC (319-84-6)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
3P. beta-BHC (319-85-7)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
4P. gamma-BHC (58-89-9)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
5P. delta-BHC (319-86-8)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
6P. Chlordane (57-74-9)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
7P. 4,4-DDT (50-29-3)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
8P. 4,4-DDE (72-55-9)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
9P. 4,4-DDD (72-54-8)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
10P. Dieldrin (60-57-1)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
11P. alpha-Endosulfan (115-29-7)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
12P. beta-Endosulfan (115-29-7)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
13P. Endosulfan Sulfate (1031-07-8)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
14P. Endrin (72-20-8)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
15P. Endrin Aldehyde (7421-93-4)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
16P. Heptachlor (76-44-8)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
17P. Heptachlor Epoxide (1024-57-3)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
18P. PCB-1242 (53469-21-9)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
19P. PCB-1254 (11097-69-1)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
20P. PCB-1221 (11104-28-2)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
21P. PCB-1232 (11141-16-5)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
22P. PCB-1248 (12672-29-6)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA

ENTERGY OPERATIONS, INC. – River Bend Station

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OUTFALL NUMBER 003 [1]

1. POLLUTANT AND CAS NUMBER	2 a. TESTING REQUIRED	2 b. BELIEVED PRESENT	2 c. BELIEVED ABSENT	3. EFFLUENT a. MAXIMUM DAILY VALUE (1) CONC.	(2) MASS	b. MAXIMUM 30 DAY VALUE (1) CONC.	(2) MASS	c. LONG TERM AVERAGE(LTA) (1) CONC.	(2) MASS	d. NO. OF ANALYSES	4. UNITS a. CONC.	b. MASS	5. INTAKE (OPTIONAL) a. LTA VALUE (1) CONC.	(2) MASS	b. NO. OF ANALYSES
23P. PCB – 1260 (11096 – 82 – 5)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
24P. PCB – 1016 (12674 – 11 – 2)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
25P. Toxaphene (8001 – 35 – 2)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA

[1] Outfall 003 consists of 3 separate sources: two oil/water separators which receive stormwater from the plant electric power distribution transformer yards, and a third oil/water separator which receives wastewater from non – radiologically contaminated power plant floor drains (well water, fire suppression water, and domestic potable water). It is the wastewater from the third separator (non – stormwater) that was sampled with the analytical results presented on this Form 2C. Table 5 in this document contains a summary of DMR data for Outfall 003, representing all three sources to the outfall.

Notes: The daily average flow rate of 0.0004 MGD obtained during the sampling event on 6/22/95 was used to calculate the mass for those parameters (except fecal coliform) for which only one laboratory analysis was performed.

The sample for fecal coliform analyses was collected on 6/28/95.

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

NA = Testing not required; no data available.

ENTERGY OPERATIONS, INC. – River Bend Station

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OUTFALL NUMBER 004

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

Part A

1. POLLUTANT	2. EFFLUENT a. MAXIMUM DAILY VALUE (1) CONC.	(2) MASS	b. MAXIMUM 30 DAY VALUE (1) CONC.	(2) MASS	c. LONG TERM AVERAGE (LTA) (1) CONC.	(2) MASS	d. NO. OF ANALYSES	3. UNITS a. CONC.	b. MASS	4. INTAKE (OPTIONAL) a. LTA VALUE (1) CONC.	(2) MASS	b. NO. OF ANALYSES
a. Biochemical Oxygen Demand (BOD)	16.88	2.39	4.30	0.59	1.60	0.23	54	mg/L	lbs/day	NA	NA	NA
b. Chemical Oxygen Demand (COD)	39.3	4.9	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
c. Total Organic Carbon (TOC)	14	1.8	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
d. Total Suspended Solids (TSS)	40.9	6.8	9.6	1.60	< 1.5	< 0.25	54	mg/L	lbs/day	NA	NA	NA
e. Ammonia (as N)	2.72	0.34	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
f. Flow	VALUE	0.043	VALUE	0.025	VALUE	0.016	731	MGD	NA	NA	NA	NA
g. Temperature (summer)	VALUE	27.6	VALUE	NA	VALUE	NA	1	°C	NA	NA	NA	NA
h. Temperature (winter)	VALUE	NA	VALUE	NA	VALUE	NA	0	NA	NA	NA	NA	NA
i. pH	MINIMUM 5.65	MAXIMUM 8.72					55	S.U.	NA	NA	NA	NA

Part B

1. POLLUTANT AND CAS NO.	2 a. BELIEVED PRESENT	2 b. BELIEVED ABSENT	3. EFFLUENT a. MAXIMUM DAILY VALUE (1) CONC.	(2) MASS	b. MAXIMUM 30 DAY VALUE (1) CONC.	(2) MASS	c. LONG TERM AVERAGE (LTA) (1) CONC.	(2) MASS	d. NO. OF ANALYSES	4. UNITS a. CONC.	b. MASS	5. INTAKE (OPTIONAL) a. LTA (1) CONC.	(2) MASS	B. NO. OF ANALYSES
a. Bromide (24959-67-9)		X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
b. Chlorine, Total Residual		X	< 0.05	< 0.01	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
c. Color (True/Apparent)	X		119/130	NA	NA	NA	NA	NA	1	APHA Units	NA	NA	NA	NA
d. Fecal Coliform		X	< 1	NA	< 1	NA	< 1	NA	4	Col./100 ml	NA	NA	NA	NA
e. Fluoride (16984-48-8)	X		1.95	0.24	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
f. Nitrate-Nitrite (as N)	X		52.6	6.6	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
g. Nitrogen, Total Organic (as N)		X	< 1	< 0.1	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
h. Oil & Grease		X	< 1	< 0.1	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
i. Phosphorus (as P), Total (7723-14-0)	X		10.1	1.3	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
j. Radioactivity - (1) alpha, Total		X	< 0.1	NA	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
j. Radioactivity - (2) beta, Total (1)		X	3.07	NA	NA	NA	NA	NA	1	pCi/L	NA	NA	NA	NA
j. Radioactivity - (3) Radium, Total		X	< 0.1	NA	NA	NA	NA	NA	1	pCi/L	NA	NA	NA	NA
j. Radioactivity - (4) Radium 226, Total		X	< 0.1	NA	NA	NA	NA	NA	1	pCi/L	NA	NA	NA	NA
k. Sulfate (as SO_4) (14808-79-8)	X		27.3	3.4	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
l. Sulfide (as S)		X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
m. Sulfite (as SO_3) (14265-45-3)		X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
n. Surfactants	X		0.13	0.02	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
o. Aluminum, Total (7429-90-5)		X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
p. Barium, Total (7440-39-3)		X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
q. Boron, Total (7440-42-8)		X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
r. Cobalt, Total (7440-48-4)		X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
s. Iron, Total (7439-89-6)	X		0.071	0.009	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
t. Magnesium, Total (7439-95-4)	X		2.99	0.37	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
u. Molybdenum, Total (7439-98-7)		X	NA	NA	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
v. Manganese, Total (7439-96-5)		X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
w. Tin, Total (7440-31-5)		X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
x. Titanium, Total (7440-32-6)		X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA

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OUTFALL NUMBER 004

1. POLLUTANT AND CAS NUMBER	2a. TESTING REQUIRED	2b. BELIEVED PRESENT	2c. BELIEVED ABSENT	3. EFFLUENT a. MAXIMUM DAILY VALUE (1) CONC.	(2) MASS	b. MAXIMUM 30 DAY VALUE (1) CONC.	(2) MASS	c. LONG TERM AVERAGE (LTA) (1) CONC.	(2) MASS	d. NO. OF ANALYSES	4. UNITS a. CONC.	b. MASS	5. INTAKE (OPTIONAL) a. LTA VALUE (1) CONC.	(2) MASS	b. NO. OF ANALYSES
Part C–Metals, Cyanide, and Total Phenols															
1M. Antimony, Total (7440-36-0)	X		X	< 0.042	< 0.01	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
2M. Arsenic, Total (7440-38-2)	X		X	< 0.01	< 0.001	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
3M. Beryllium, Total (7440-41-7)	X		X	< 0.001	< 0.0001	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
4M. Cadmium, Total (7440-43-9)	X		X	< 0.0002	< 0.00003	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
5M. Chromium, Total (7440-47-3)	X		X	< 0.01	< 0.001	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
6M. Copper, Total (7440-50-8)	X		X	< 0.005	< 0.001	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
7M. Lead, Total (7439-92-1)	X		X	< 0.005	< 0.001	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
8M. Mercury, Total (7439-97-6)	X		X	< 0.0002	< 0.00003	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
9M. Nickel, Total (7440-02-0)	X		X	< 0.015	< 0.002	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
10M. Selenium, Total (7782-49-2)	X		X	< 0.002	< 0.0003	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
11M. Silver, Total (7440-22-4)	X		X	< 0.002	< 0.0003	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
12M. Thallium, Total (7440-28-0)	X		X	< 0.003	< 0.0004	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
13M. Zinc, Total (7440-66-6)	X	X		0.326	0.041	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
14M. Cyanide, Total (57-12-5)			X	NA	NA	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
15M. Phenols, Total			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
Dioxin															
2,3,7,8-Tetrachlorodibenzo-P-Dioxin(1764-01-6)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
Part C–Volatile Compounds															
1V. Acrolein (107-02-8)	X		X	< 25	< 0.003	NA	NA	NA	NA	1	ug/L	lbs/day	NA	NA	NA
2V. Acrylonitrile (107-13-1)	X		X	< 25	< 0.003	NA	NA	NA	NA	1	ug/L	lbs/day	NA	NA	NA
3V. Benzene (71-43-2)	X		X	< 5	< 0.001	NA	NA	NA	NA	1	ug/L	lbs/day	NA	NA	NA
4V. Bis (Chloromethyl) Ether(542-88-1) (2)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
5V. Bromoform (75-25-2)	X		X	< 5	< 0.001	NA	NA	NA	NA	1	ug/L	lbs/day	NA	NA	NA
6V. Carbon Tetrachloride (56-23-5)	X		X	< 5	< 0.001	NA	NA	NA	NA	1	ug/L	lbs/day	NA	NA	NA
7V. Chlorobenzene (108-90-7)	X		X	< 5	< 0.001	NA	NA	NA	NA	1	ug/L	lbs/day	NA	NA	NA
8V. Chlorodibromomethane (124-48-1)	X		X	< 5	< 0.001	NA	NA	NA	NA	1	ug/L	lbs/day	NA	NA	NA
9V. Chloroethane (75-00-3)	X		X	< 5	< 0.001	NA	NA	NA	NA	1	ug/L	lbs/day	NA	NA	NA
10V. 2-Chloroethylvinyl Ether(110-75-8) (3)	X		X	< 5	< 0.00[illegible]	NA	NA	NA	NA	1	ug/L	lbs/day	NA	NA	NA
11V. Chloroform (67-66-3)	X		X	< 5	< 0.001	NA	NA	NA	NA	1	ug/L	lbs/day	NA	NA	NA
12V. Dichlorobromomethane (75-27-4)	X		X	< 5	< 0.001	NA	NA	NA	NA	1	ug/L	lbs/day	NA	NA	NA
13V. Dichlorodifluoromethane (75-71-8) (2)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
14V. 1,1-Dichloroethane (75-34-3)	X		X	< 5	< 0.001	NA	NA	NA	NA	1	ug/L	lbs/day	NA	NA	NA
15V. 1,2-Dichloroethane (107-06-2)	X		X	< 5	< 0.001	NA	NA	NA	NA	1	ug/L	lbs/day	NA	NA	NA
16M. 1,1-Dichloroethylene (75-35-4)	X		X	< 5	< 0.001	NA	NA	NA	NA	1	ug/L	lbs/day	NA	NA	NA
17V. 1,2-Dichloropropane (78-87-5)	X		X	< 5	< 0.001	NA	NA	NA	NA	1	ug/L	lbs/day	NA	NA	NA
18V. 1,3-Dichloropropylene (542-75-6)	X		X	< 5	< 0.001	NA	NA	NA	NA	1	ug/L	lbs/day	NA	NA	NA
19V. Ethylbenzene (100-41-4)	X		X	< 5	< 0.001	NA	NA	NA	NA	1	ug/L	lbs/day	NA	NA	NA
20V. Methyl Bromide (74-83-9)	X		X	< 5	< 0.001	NA	NA	NA	NA	1	ug/L	lbs/day	NA	NA	NA
21V. Methyl Chloride (74-87-3)	X		X	< 5	< 0.001	NA	NA	NA	NA	1	ug/L	lbs/day	NA	NA	NA
22V. Methylene Chloride (75-09-2)	X		X	< 10	< 0.001	NA	NA	NA	NA	1	ug/L	lbs/day	NA	NA	NA
23V. 1,1,2,2-Tetrachloroethane (79-34-5)	X		X	< 5	< 0.001	NA	NA	NA	NA	1	ug/L	lbs/day	NA	NA	NA
24V. Tetrachloroethylene (127-18-4)	X		X	< 5	< 0.001	NA	NA	NA	NA	1	ug/L	lbs/day	NA	NA	NA
25V. Toluene (108-88-3)	X		X	< 5	< 0.001	NA	NA	NA	NA	1	ug/L	lbs/day	NA	NA	NA

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1. POLLUTANT AND CAS NUMBER	2 a. TESTING REQUIRED	2 b. BELIEVED PRESENT	2 c. BELIEVED ABSENT	3. EFFLUENT a. MAXIMUM DAILY VALUE (1) CONC.	(2) MASS	b. MAXIMUM 30 DAY VALUE (1) CONC.	(2) MASS	c. LONG TERM AVERAGE (LTA) (1) CONC.	(2) MASS	d. NO. OF ANALYSES	4. UNITS a. CONC.	b. MASS	5. INTAKE (OPTIONAL) a. LTA VALUE (1) CONC.	(2) MASS	b. NO. OF ANALYSES
26V 1,2-Trans-Dichloroethylene (156-60-5)	X		X	< 5	< 0.001	NA	NA	NA	NA	1	ug/L	lbs/day	NA	NA	NA
27V 1,1,1-Trichloroethane (71-55-6)	X		X	< 5	< 0.001	NA	NA	NA	NA	1	ug/L	lbs/day	NA	NA	NA
28V 1,1,2-Trichloroethane (79-00-5)	X		X	< 5	< 0.001	NA	NA	NA	NA	1	ug/L	lbs/day	NA	NA	NA
29V Trichloroethylene (79-01-6)	X		X	< 5	< 0.001	NA	NA	NA	NA	1	ug/L	lbs/day	NA	NA	NA
30V Trichlorofluoromethane (75-69-4) (2)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
31V Vinyl Chloride (75-01-4)	X		X	< 5	< 0.001	NA	NA	NA	NA	1	ug/L	lbs/day	NA	NA	NA
Part C–Acid Compounds															
1A 2-Chlorophenol (95-57-8)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
2A 2,4-Dichlorophenol (120-83-2)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
3A 2,4-Dimethylphenol (105-67-9)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
4A 4,6-Dinitro-o-Cresol (534-52-1)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
5A 2,4-Dinitrophenol (51-28-5)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
6A 2-Nitrophenol (88-75-5)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
7A 4-Nitrophenol (100-02-7)	X		X	< 50	< 0.01	NA	NA	NA	NA	1	ug/L	lbs/day	NA	NA	NA
8A p-Chloro-m-Cresol (59-50-7)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
9A Pentachlorophenol (87-86-5)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
10A Phenol (108-95-2)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
11A 2,4,6-Trichlorophenol (88-06-2)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
Part C–Base/Neutral Compounds															
1B Acenaphthene (83-32-9)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
2B Acenaphthylene (208-96-8)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
3B Anthracene (120-12-7)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
4B Benzidine (92-87-5)	X		X	< 40	< 0.01	NA	NA	NA	NA	1	ug/L	lbs/day	NA	NA	NA
5B Benzo (a) Anthracene (56-55-3)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
6B Benzo (a) Pyrene (50-32-8)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
7B 3,4-Benzofluoranthene (205-99-2)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
8B Benzo (g,h,i) Perylene (191-24-2)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
9B Benzo (k) Fluoranthene (207-08-9)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
10B Bis(2-Chloroethoxy)Methane(111-91-1)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
11B Bis (2-Chloroethyl) Ether (111-44-4)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
12B Bis (2-Chlorisopropyl) Ether (102-60-1)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
13B Bis (2-Ethylhexyl) Phthalate (117-81-7)	X		X	< 10	< 0.001	NA	NA	NA	NA	1	ug/L	lbs/day	NA	NA	NA
14B 4-Bromophenyl Phenyl Ether (101-55-3)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
15B Butyl Benzyl Phthalate (85-68-7)	X		X	< 10	< 0.001	NA	NA	NA	NA	1	ug/L	lbs/day	NA	NA	NA
16B 2-Chloronaphthalene (91-58-7)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
17B 4-Chlorophenyl Phenyl Ether(7005-72-3)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
18B Chrysene (218-01-9)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
19B Dibenzo (a,h) Anthracene (53-70-3)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
20B 1,2-Dichlorobenzene (95-50-1)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
21B 1,3-Dichlorobenzene (541-73-1)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
22B 1,4-Dichlorobenzene (106-46-7)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
23B 3,3-Dichlorobenzidine (91-94-1)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
24B Diethyl Phthalate (84-66-2)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
25B Dimethyl Phthalate (131-11-3)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA

Continued

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1. POLLUTANT AND CAS NUMBER	2 a. TESTING REQUIRED	2 b. BELIEVED PRESENT	2 c. BELIEVED ABSENT	3. EFFLUENT a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE		c. LONG TERM AVERAGE (LTA)		d. NO. OF ANALYSES	4. UNITS a. CONC.	b. MASS	5. INTAKE (OPTIONAL) a. LTA VALUE		b. NO. OF ANALYSES
				(1) CONC.	(2) MASS	(1) CONC.	(2) MASS	(1) CONC.	(2) MASS				(1) CONC.	(2) MASS	
26B. Di-n-Butyl Phthalate (84-74-2)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
27B. 2,4-Dinitrotoluene (121-14-2)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
28B. 2,6-Dinitrotoluene (606-20-2)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
29B. Di-n-Octyl Phthalate (117-84-0)	X		X	< 10	< 0.001	NA	NA	NA	NA	1	ug/L	lbs/day	NA	NA	NA
30B. 1,2-Diphenylhydrazine (122-66-7) [4]	X		X	< 10	< 0.001	NA	NA	NA	NA	1	ug/L	lbs/day	NA	NA	NA
31B. Fluoranthene (206-44-0)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
32B. Fluorene (86-73-7)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
33B. Hexachlorobenzene (118-74-1)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
34B. Hexachlorobutadiene (87-68-3)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
35B. Hexachlorocyclopentadiene (77-47-4)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
36B. Hexachloroethane (67-72-1)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
37B. Indeno (1,2,3-cd) Pyrene (193-39-5)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
38B. Isophorone (78-59-1)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
39B. Naphthalene (91-20-3)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
40B. Nitrobenzene (98-95-3)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
41B. N-Nitrosodimethylamine (62-75-9)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
42B. N-Nitrosodi-n-Propylamine (621-64-7)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
43B. N-Nitrosodiphenylamine (86-30-6)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
44B. Phenanthrene (85-01-8)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
45B. Pyrene (129-00-0)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
46B. 1,2,4-Trichlorobenzene (120-82-1)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
Part C–Pesticides															
1P. Aldrin (309-00-2)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
2P. alpha-BHC (319-84-6)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
3P. beta-BHC (319-85-7)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
4P. gamma-BHC (58-89-9)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
5P. delta-BHC (319-86-8)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
6P. Chlordane (57-74-9)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
7P. 4,4-DDT (50-29-3)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
8P. 4,4-DDE (72-55-9)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
9P. 4,4-DDD (72-54-8)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
10P. Dieldrin (60-57-1)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
11P. alpha-Endosulfan (115-29-7)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
12P. beta-Endosulfan (115-29-7)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
13P. Endosulfan Sulfate (1031-07-8)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
14P. Endrin (72-20-8)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
15P. Endrin Aldehyde (7421-93-4)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
16P. Heptachlor (76-44-8)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
17P. Heptachlor Epoxide (1024-57-3)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
18P. PCB-1242 (53469-21-9)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
19P. PCB-1254 (11097-69-1)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
20P. PCB-1221 (11104-28-2)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
21P. PCB-1232 (11141-16-5)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
22P. PCB-1248 (12672-29-6)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA

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1. POLLUTANT AND CAS NUMBER	2 a. TESTING REQUIRED	2 b. BELIEVED PRESENT	2 c. BELIEVED ABSENT	3. EFFLUENT							4. UNITS		5. INTAKE (OPTIONAL)		
				a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE		c. LONG TERM AVERAGE (LTA)		d. NO. OF ANALYSES	a. CONC.	b. MASS	a. LTA VALUE		b. NO. OF ANALYSES
				(1) CONC.	(2) MASS	(1) CONC.	(2) MASS	(1) CONC.	(2) MASS				(1) CONC.	(2) MASS	
23P. PCB – 1260 (11096 – 82 – 5)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
24P. PCB – 1016 (12674 – 11 – 2)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
25P. Toxaphene (8001 – 35 – 2)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA

(1) Total beta is believed present within the anticipated background values for naturally occuring radioactive material.

(2) These parameters are found on Table V of the U.S. Environmental Protection Agency Form 2C; however, they are not required to be tested in accordance with 40 CFR 122.21(g)(7) and 40 CFR 122 Appendix D Table II.

(3) 2 – Chloroethylvinyl Ether was not detected; it is known to hydrolyze in the presence of dilute acid.

(4) 1,2 – Diphenylhydrazine as Azobenzene.

Notes: The daily average flow rate of 0.015 MGD obtained during the 24 – hour sampling period from 06/21 – 22/1995 was used to calculate the mass for those parameters for which only one laboratory analysis was performed.

The monthly DMR forms for 24 months (February 1993 through January 1994) for flow data and 12 months (February 1994 through January 1995) for all other parameters were used to calculate the Maximum Daily Value, Maximum 30 Day Value, and the Long Term Average Value for those parameters that are routinely monitored pursuant to Entergy's NPDES and LWDPS permits.

For the permit application, the sample for Fecal Coliform analyses was collected on 6/28/95, and not on 6/21 – 22/95 which was the sample date for the other parameters.

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

NA = Testing not required; no data available.

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

Part A

1. POLLUTANT	2. EFFLUENT: a. MAXIMUM DAILY VALUE (1) CONC.	a. (2) MASS	b. MAXIMUM 30 DAY VALUE (1) CONC.	b. (2) MASS	c. LONG TERM AVERAGE (LTA) (1) CONC.	c. (2) MASS	d. NO. OF ANALYSES	3. UNITS a. CONC.	3. UNITS b. MASS	4. INTAKE (OPTIONAL) a. LTA VALUE (1) CONC.	a. (2) MASS	b. NO. OF ANALYSES
a. Biochemical Oxygen Demand (BOD)	< 1	< 0.3	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
b. Chemical Oxygen Demand (COD)	< 5	< 1	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
c. Total Organic Carbon (TOC)	3.4	0.9	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
d. Total Suspended Solids (TSS) (1)(2)	3.0	< 0.25	3.0	0.03	< 1.2	< 0.06	7	mg/L	lbs/day	NA	NA	NA
e. Ammonia (as N)	< 0.1	< 0.03	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
f. Flow	VALUE	0.064	VALUE	0.064	VALUE	0.007	23	MGD	NA	NA	NA	NA
g. Temperature (summer)	VALUE	26.4	VALUE	NA	VALUE	NA	1	°C	NA	NA	NA	NA
h. Temperature (winter)	VALUE	NA	VALUE	NA	VALUE	NA	0	NA	NA	NA	NA	NA
	MINIMUM	MAXIMUM										
i. pH	6.52	8.70					7	S.U.	NA	NA	NA	NA

Part B

1. POLLUTANT AND CAS NO.	2a. BELIEVED PRESENT	2b. BELIEVED ABSENT	3. EFFLUENT: a. MAXIMUM DAILY VALUE (1) CONC.	a. (2) MASS	b. MAXIMUM 30 DAY VALUE (1) CONC.	b. (2) MASS	c. LONG TERM AVERAGE (LTA) (1) CONC.	c. (2) MASS	d. NO. OF ANALYSES	4. UNITS a. CONC.	4. UNITS b. MASS	5. INTAKE (OPTIONAL) a. LTA (1) CONC.	a. (2) MASS	B. NO. OF ANALYSES
a. Bromide (24959-67-9)		X	< 0.1	< 0.03	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
b. Chlorine, Total Residual		X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
c. Color (True/Apparent)	X		43/46	NA	NA	NA	NA	NA	1	APHA Units	NA	NA	NA	NA
d. Fecal Coliform		X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
e. Fluoride (16984-48-8)	X		0.17	0.04	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
f. Nitrate-Nitrite (as N)		X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
g. Nitrogen, Total Organic (as N)		X	< 1.0	< 0.25	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
h. Oil & Grease (1)	X		8.7	< 0.25	8.7	0.22	< 2.8	< 0.13	7	mg/L	lbs/day	NA	NA	NA
i. Phosphorus (as P), Total (7723-14-0)		X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
j. Radioactivity - (1) alpha, Total (3)		X	13.81	NA	NA	NA	NA	NA	1	pCi/L	NA	NA	NA	NA
j. Radioactivity - (2) beta, Total (3)		X	2.19	NA	NA	NA	NA	NA	1	pCi/L	NA	NA	NA	NA
j. Radioactivity - (3) Radium, Total		X	< 0.1	NA	NA	NA	NA	NA	1	pCi/L	NA	NA	NA	NA
j. Radioactivity - (4) Radium 226, Total		X	< 0.1	NA	NA	NA	NA	NA	1	pCi/L	NA	NA	NA	NA
k. Sulfate (as SO_4) (14808-79-8)	X		95.3	23.8	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
l. Sulfide (as S)		X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
m. Sulfite (as SO_3) (14265-45-3)		X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
n. Surfactants		X	< 0.1	< 0.03	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
o. Aluminum, Total (7429-90-5)		X	< 0.2	< 0.1	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
p. Barium, Total (7440-39-3)		X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
q. Boron, Total (7440-42-8)		X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
r. Cobalt, Total (7440-48-4)		X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
s. Iron, Total (7439-89-6)	X		0.826	0.207	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
t. Magnesium, Total (7439-95-4)	X		8.10	2.03	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
u. Molybdenum, Total (7439-98-7)		X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
v. Manganese, Total (7439-96-5)		X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
w. Tin, Total (7440-31-5)		X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
x. Titanium, Total (7440-32-6)		X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA

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1. POLLUTANT AND CAS NUMBER	2a. TESTING REQUIRED	2b. BELIEVED PRESENT	2c. BELIEVED ABSENT	3. EFFLUENT a. MAXIMUM DAILY VALUE (1) CONC.	(2) MASS	b. MAXIMUM 30 DAY VALUE (1) CONC.	(2) MASS	c. LONG TERM AVERAGE (LTA) (1) CONC.	(2) MASS	d. NO. OF ANALYSES	4. UNITS a. CONC.	b. MASS	5. INTAKE (OPTIONAL) a. LTA VALUE (1) CONC.	(2) MASS	b. NO. OF ANALYSES
Part C–Metals, Cyanide, and Total Phenols															
1M Antimony, Total (7440–36–0)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
2M Arsenic, Total (7440–38–2)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
3M Beryllium, Total (7440–41–7)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
4M Cadmium, Total (7440–43–9)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
5M Chromium, Total (7440–47–3)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
6M Copper, Total (7440–50–8)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
7M Lead, Total (7439–92–1)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
8M Mercury, Total (7439–97–6)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
9M Nickel, Total (7440–02–0)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
10M Selenium, Total (7782–49–2)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
11M Silver, Total (7440–22–4)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
12M Thallium, Total (7440–28–0)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
13M Zinc, Total (7440–66–6)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
14M Cyanide, Total (57–12–5)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
15M Phenols, Total			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
Dioxin															
2,3,7,8–Tetrachlorodibenzo–P–Dioxin(1764–01–6)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
Part C–Volatile Compounds															
1V Acrolein (107–02–8)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
2V Acrylonitrile (107–13–1)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
3V Benzene (71–43–2)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
4V Bis (Chloromethyl) Ether(542–88–1)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
5V Bromoform (75–25–2)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
6V Carbon Tetrachloride (56–23–5)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
7V Chlorobenzene (108–90–7)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
8V Chlorodibromomethane (124–48–1)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
9V Chloroethane (75–00–3)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
10V 2–Chloroethylvinyl Ether(110–75–8)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
11V Chloroform (67–66–3)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
12V Dichlorobromomethane (75–27–4)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
13V Dichlorodifluoromethane (75–71–8)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
14V 1,1–Dichloroethane (75–34–3)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
15V 1,2–Dichloroethane (107–06–2)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
16M 1,1–Dichloroethylene (75–35–4)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
17V 1,2–Dichloropropane (78–87–5)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
18V 1,3–Dichloropropylene (542–75–6)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
19V Ethylbenzene (100–41–4)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
20V Methyl Bromide (74–83–9)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
21V Methyl Chloride (74–87–3)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
22V Methylene Chloride (75–09–2)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
23V 1,1,2,2–Tetrachloroethane (79–34–5)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
24V Tetrachloroethylene (127–18–4)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
25V Toluene (108–88–3)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA

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26V. 1,2-Trans-Dichloroethylene (156-60-5)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
27V. 1,1,1-Trichloroethane (71-55-6)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
28V. 1,1,2-Trichloroethane (79-00-5)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
29V. Trichloroethylene (79-01-6)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
30V. Trichlorofluoromethane (75-69-4)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
31V. Vinyl Chloride (75-01-4)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
Part C–Acid Compounds															
1A. 2-Chlorophenol (95-57-8)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
2A. 2,4-Dichlorophenol (120-83-2)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
3A. 2,4-Dimethylphenol (105-67-9)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
4A. 4,6-Dinitro-o-Cresol (534-52-1)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
5A. 2,4-Dinitrophenol (51-28-5)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
6A. 2-Nitrophenol (88-75-5)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
7A. 4-Nitrophenol (100-02-7)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
8A. p-Chloro-m-Cresol (59-50-7)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
9A. Pentachlorophenol (87-86-5)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
10A. Phenol (108-95-2)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
11A. 2,4,6-Trichlorophenol (88-06-2)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
Part C–Base/Neutral Compounds															
1B. Acenaphthene (83-32-9)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
2B. Acenaphthylene (208-96-8)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
3B. Anthracene (120-12-7)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
4B. Benzidine (92-87-5)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
5B. Benzo (a) Anthracene (56-55-3)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
6B. Benzo (a) Pyrene (50-32-8)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
7B. 3,4-Benzofluoranthene (205-99-2)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
8B. Benzo (g,h,i) Perylene (191-24-2)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
9B. Benzo (k) Fluor[illegible]thene ([illegible]07-08-9)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
10B. Bis(2-Chlor[illegible] [illegible]ethane(111-91-1)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
11B. Bis [illegible]-Chloroet[illegible] Ether (111-44-4)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
12B. Bis (2-Chloroiso[illegible]yl) Ether (102-60-1)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
13B. Bi[illegible] (2-Ethylhexy[illegible] Phthalate (117-81-7)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
14B. [illegible]-Bromophenyl Phenyl Ether (101-55-3)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
15B. Butyl Benzyl Phthalate (85-68-7)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
16B. 2-Chloronaphthalene (91-58-7)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
17B. 4-[illegible]hlorophenyl Phenyl Ether(7005-72-3)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
18B. Chrysene (218-01-9)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
19B. Dibenzo (a,h) Anthracene (53-70-3)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
20B. 1,2-Dichlorobenzene (95-50-1)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
21B. 1,3-Dichlorobenzene (541-73-1)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
22B. 1,4-Dichlorobenzene (106-46-7)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
23B. 3,3-Dichlorobenzidine (91-94-1)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
24B. Diethyl Phthalate (84-66-2)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
25B. Dimethyl Phthalate (131-11-3)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA

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1. POLLUTANT AND CAS NUMBER	2 a. TESTING REQUIRED	2 b. BELIEVED PRESENT	2 c. BELIEVED ABSENT	3. EFFLUENT a. MAXIMUM DAILY VALUE (1) CONC.	(2) MASS	b. MAXIMUM 30 DAY VALUE (1) CONC.	(2) MASS	c. LONG TERM AVERAGE (LTA) (1) CONC.	(2) MASS	d. NO. OF ANALYSES	4. UNITS a. CONC.	b. MASS	5. INTAKE (OPTIONAL) a. LTA VALUE (1) CONC.	(2) MASS	b. NO. OF ANALYSES
26B. Di–n–Butyl Phthalate (84–74–2)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
27B. 2,4–Dinitrotoluene (121–14–2)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
28B. 2,6–Dinitrotoluene (606–20–2)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
29B. Di–n–Octyl Phthalate (117–84–0)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
30B. 1,2–Diphenylhydrazine (122–66–7)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
31B. Fluoranthene (206–44–0)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
32B. Fluorene (86–73–7)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
33B. Hexachlorobenzene (118–74–1)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
34B. Hexachlorobutadiene (87–68–3)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
35B. Hexachlorocyclopentadiene (77–47–4)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
36B. Hexachloroethane (67–72–1)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
37B. Indeno (1,2,3–cd) Pyrene (193–39–5)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
38B. Isophorone (78–59–1)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
39B. Naphthalene (91–20–3)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
40B. Nitrobenzene (98–95–3)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
41B. N–Nitrosodimethylamine (62–75–9)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
42B. N–Nitrosodi–n–Propylamine (621–64–7)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
43B. N–Nitrosodiphenylamine (86–30–6)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
44B. Phenanthrene (85–01–8)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
45B. Pyrene (129–00–0)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
46B. 1,2,4–Trichlorobenzene (120–82–1)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
Part C–Pesticides															
1P. Aldrin (309–00–2)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
2P. alpha–BHC (319–84–6)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
3P. beta–BHC (319–85–7)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
4P. gamma–BHC (58–89–9)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
5P. delta–BHC (319–86–8)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
6P. Chlordane (57–74–9)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
7P. 4,4–DDT (50–29–3)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
8P. 4,4–DDE (72–55–9)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
9P. 4,4–DDD (72–54–8)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
10P. Dieldrin (60–57–1)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
11P. alpha–Endosulfan (115–29–7)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
12P. beta–Endosulfan (115–29–7)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
13P. Endosulfan Sulfate (1031–07–8)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
14P. Endrin (72–20–8)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
15P. Endrin Aldehyde (7421–93–4)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
16P. Heptachlor (76–44–8)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
17P. Heptachlor Epoxide (1024–57–3)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
18P. PCB – 1242 (53469–21–9)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
19P. PCB – 1254 (11097–69–1)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
20P. PCB – 1221 (11104–28–2)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
21P. PCB – 1232 (11141–16–5)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
22P. PCB – 1248 (12672–29–6)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA

ENTERGY OPERATIONS, INC. – River Bend Station

EPA I.D. NUMBER LAD070664618

OUTFALL NUMBER 008

1. POLLUTANT AND CAS NUMBER	2a. TESTING REQUIRED	2b. BELIEVED PRESENT	2c. BELIEVED ABSENT	3. EFFLUENT: a. MAXIMUM DAILY VALUE (1) CONC.	3a. (2) MASS	3. b. MAXIMUM 30 DAY VALUE (1) CONC.	3b. (2) MASS	3. c. LONG TERM AVERAGE (LTA) (1) CONC.	3c. (2) MASS	3. d. NO. OF ANALYSES	4. UNITS a. CONC.	4. UNITS b. MASS	5. INTAKE (OPTIONAL) a. LTA VALUE (1) CONC.	5a. (2) MASS	5. b. NO. OF ANALYSES
23P. PCB – 1260 (11096–82–5)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
24P. PCB – 1016 (12674–11–2)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
25P. Toxaphene (8001–35–2)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA

(1) TSS and Oil & Grease were actually not detected on the permit application sampling event on 6/22/95. But, due to a very high flow rate on this day (0.030 MGD), the calculated maximum mass values were significantly greater than the TSS and Oil & Grease mass values when they were detected during routine sampling events (which were reported in the DMRs).

(2) The Long Term Average Value for TSS (mass) was calculated to be greater than the Maximum 30 Day Value due to a very high flow rate on 6/22/95 (permit application sampling event).

(3) Total alpha and Total beta are believed present within the anticipated background values for naturally occuring radioactive material.

Notes: The daily average flow rate of 0.030 MGD obtained during the sampling event on 6/22/95 was used to calculate the mass for those parameters for which only one laboratory analysis was performed.

The monthly DMR forms for 24 months (February 1993 through January 1995) for flow data and 12 months (February 1994 through January 1995) for all other parameters were used to calculate the Maximum Daily Value, Maximum 30 Day Value, and the Long Term Average Value for those parameters that are routinely monitored pursuant to Entergy's NPDES and LWDPS permits. For parameters routinely monitored at Outfall 008, analytical data collected for the permit application (6/22/95) were used to determine Maximum Daily Values and Long Term Average Values, but not Maximum 30 Day Values.

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

NA = Testing not required; no data available.

ENTERGY OPERATIONS, INC. – River Bend Station

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OUTFALL NUMBER ROR (1)

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

Part A

1. POLLUTANT	2. EFFLUENT a. MAXIMUM DAILY VALUE (1) CONC.	(2) MASS	b. MAXIMUM 30 DAY VALUE (1) CONC.	(2) MASS	c. LONG TERM AVERAGE (LTA) (1) CONC.	(2) MASS	d. NO. OF ANALYSES	3. UNITS a. CONC.	b. MASS	4. INTAKE (OPTIONAL) a. LTA VALUE (1) CONC.	(2) MASS	b. NO. OF ANALYSES
a. Biochemical Oxygen Demand (BOD)	< 1	< 0.1	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
b. Chemical Oxygen Demand (COD)	< 5	< 0.5	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
c. Total Organic Carbon (TOC)	6.5	0.6	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
d. Total Suspended Solids (TSS)	< 1	< 0.1	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
e. Ammonia (as N)	0.19	0.02	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
f. Flow	VALUE	0.011	VALUE	NA	VALUE	NA	1	MGD	NA	NA	NA	NA
g. Temperature (summer)	VALUE	29.6	VALUE	NA	VALUE	NA	1	°C	NA	NA	NA	NA
h. Temperature (winter)	VALUE	NA	VALUE	NA	VALUE	NA	0	NA	NA	NA	NA	NA
	MINIMUM	MAXIMUM										
i. pH	7.86	7.86					1	S.U.	NA	NA	NA	NA

Part B

1. POLLUTANT AND CAS NO.	2a. BELIEVED PRESENT	2b. BELIEVED ABSENT	3. EFFLUENT a. MAXIMUM DAILY VALUE (1) CONC.	(2) MASS	b. MAXIMUM 30 DAY VALUE (1) CONC.	(2) MASS	c. LONG TERM AVERAGE (LTA) (1) CONC.	(2) MASS	d. NO. OF ANALYSES	4. UNITS a. CONC.	b. MASS	5. INTAKE (OPTIONAL) a. LTA (1) CONC.	(2) MASS	B. NO. OF ANALYSES
a. Bromide (24959-67-9)		X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
b. Chlorine, Total Residual		X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
c. Color (True/Apparent)		X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
d. Fecal Coliform		X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
e. Fluoride (16984-48-8)		X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
f. Nitrate-Nitrite (as N)		X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
g. Nitrogen, Total Organic (as N)		X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
h. Oil & Grease		X	< 1.0	< 0.1	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
i. Phosphorus (as P), Total (7723-14-0)		X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
j. Radioactivity-(1) alpha, Total (2)		X	10.09	NA	NA	NA	NA	NA	1	pCi/L	NA	NA	NA	NA
j. Radioactivity-(2) beta, Total (2)		X	3.23	NA	NA	NA	NA	NA	1	pCi/L	NA	NA	NA	NA
j. Radioactivity-(3) Radium, Total (2)		X	0.22	NA	NA	NA	NA	NA	1	pCi/L	NA	NA	NA	NA
j. Radioactivity-(4) Radium 226, Total (2)		X	0.22	NA	NA	NA	NA	NA	1	pCi/L	NA	NA	NA	NA
k. Sulfate (as SO_4) (14808-79-8)	X		30.4	2.8	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
l. Sulfide (as S)		X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
m. Sulfite (as SO_3) (14265-45-3)		X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
n. Surfactants		X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
o. Aluminum, Total (7429-90-5)		X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
p. Barium, Total (7440-39-3)		X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
q. Boron, Total (7440-42-8)		X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
r. Cobalt, Total (7440-48-4)		X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
s. Iron, Total (7439-89-6)		X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
t. Magnesium, Total (7439-95-4)		X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
u. Molybdenum, Total (7439-98-7)		X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
v. Manganese, Total (7439-96-5)		X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
w. Tin, Total (7440-31-5)		X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
x. Titanium, Total (7440-32-6)		X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA

ENTERGY OPERATIONS, INC. – River Bend Station

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OUTFALL NUMBER RCR (1)

1. POLLUTANT AND CAS NUMBER	2 a. TESTING REQUIRED	2 b. BELIEVED PRESENT	2 c. BELIEVED ABSENT	3. EFFLUENT a. MAXIMUM DAILY VALUE (1) CONC.	(2) MASS	b. MAXIMUM 30 DAY VALUE (1) CONC.	(2) MASS	c. LONG TERM AVERAGE (LTA) (1) CONC.	(2) MASS	d. NO. OF ANALYSES	4. UNITS a. CONC.	b. MASS	5. INTAKE (OPTIONAL) a. LTA VALUE (1) CONC.	(2) MASS	b. NO. OF ANALYSES
Part C–Metals, Cyanide, and Total Phenols															
1M. Antimony, Total (7440–36–0)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
2M. Arsenic, Total (7440–38–2)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
3M. Beryllium, Total (7440–41–7)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
4M. Cadmium, Total (7440–43–9)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
5M. Chromium, Total (7440–47–3)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
6M. Copper, Total (7440–50–8)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
7M. Lead, Total (7439–92–1)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
8M. Mercury, Total (7439–97–6)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
9M. Nickel, Total (7440–02–0)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
10M. Selenium, Total (7782–49–2)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
11M. Silver, Total (7440–22–4)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
12M. Thallium, Total (7440–28–0)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
13M. Zinc, Total (7440–66–6)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
14M. Cyanide, Total (57–12–5)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
15M. Phenols, Total			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
Dioxin															
2,3,7,8–Tetrachlorodibenzo–P–Dioxin(1764–01–6)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
Part C–Volatile Compounds															
1V. Acrolein (107–02–8)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
2V. Acrylonitrile (107–13–1)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
3V. Benzene (71–43–2)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
4V. Bis (Chloromethyl) Ether(542–88–1)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
5V. Bromoform (75–25–2)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
6V. Carbon Tetrachloride (56–23–5)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
7V. Chlorobenzene (108–90–7)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
8V. Chlorodibromomethane (124–48–1)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
9V. Chloroethane (75–00–3)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
10V. 2–Chloroethylvinyl Ether(110–75–8)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
11V. Chloroform (67–66–3)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
12V. Dichlorobromomethane (75–27–4)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
13V. Dichlorodifluoromethane (75–71–8)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
14V. 1,1–Dichloroethane (75–34–3)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
15V. 1,2–Dichloroethane (107–06–2)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
16M. 1,1–Dichloroethylene (75–35–4)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
17V. 1,2–Dichloropropane (78–87–5)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
18V. 1,3–Dichloropropylene (542–75–6)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
19V. Ethylbenzene (100–41–4)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
20V. Methyl Bromide (74–83–9)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
21V. Methyl Chloride (74–87–3)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
22V. Methylene Chloride (75–09–2)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
23V. 1,1,2,2–Tetrachloroethane (79–34–5)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
24V. Tetrachloroethylene (127–18–4)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
25V. Toluene (108–88–3)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA

Continued

ENTERGY OPERATIONS, INC. – River Bend Station

EPA I.D. NUMBER LAD070664818

OUTFALL NUMBER ROR [1]

1. POLLUTANT AND CAS NUMBER	2 a. TESTING REQUIRED	2 b. BELIEVED PRESENT	2 c. BELIEVED ABSENT	3. EFFLUENT a. MAXIMUM DAILY VALUE (1) CONC.	(2) MASS	b. MAXIMUM 30 DAY VALUE (1) CONC.	(2) MASS	c. LONG TERM AVERAGE (LTA) (1) CONC.	(2) MASS	d. NO. OF ANALYSES	4. UNITS a. CONC.	b. MASS	5. INTAKE (OPTIONAL) a. LTA VALUE (1) CONC.	(2) MASS	b. NO. OF ANALYSES
26V. 1,2-Trans-Dichloroethylene (156-60-5)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
27V. 1,1,1-Trichloroethane (71-55-6)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
28V. 1,1,2-Trichloroethane (79-00-5)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
29V. Trichloroethylene (79-01-6)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
30V. Trichlorofluoromethane (75-69-4)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
31V. Vinyl Chloride (75-01-4)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
Part C–Acid Compounds															
1A. 2-Chlorophenol (95-57-8)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
2A. 2,4-Dichlorophenol (120-83-2)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
3A. 2,4-Dimethylphenol (105-67-9)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
4A. 4,6-Dinitro-o-Cresol (534-52-1)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
5A. 2,4-Dinitrophenol (51-28-5)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
6A. 2-Nitrophenol (88-75-5)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
7A. 4-Nitrophenol (100-02-7)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
8A. p-Chloro-m-Cresol (59-50-7)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
9A. Pentachlorophenol (87-86-5)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
10A. Phenol (108-95-2)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
11A. 2,4,6-Trichlorophenol (88-06-2)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
Part C–Base/Neutral Compounds															
1B. Acenaphthene (83-32-9)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
2B. Acenaphthylene (208-96-8)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
3B. Anthracene (120-12-7)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
4B. Benzidine (92-87-5)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
5B. Benzo (a) Anthracene (56-55-3)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
6B. Benzo (a) Pyrene (50-32-8)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
7B. 3,4-Benzofluoranthene (205-99-2)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
8B. Benzo (g,h,i) Perylene (191-24-2)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
9B. Benzo (k) Fluoranthene (207-08-9)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
10B. Bis(2-Chloroethoxy)Methane(111-91-1)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
11B. Bis (2-Chloroethyl) Ether (111-44-4)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
12B. Bis (2-Chlorisopropyl) Ether (102-60-1)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
13B. Bis (2-Ethylhexyl) Phthalate (117-81-7)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
14B. 4-Bromophenyl Phenyl Ether (101-55-3)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
15B. Butyl Benzyl Phthalate (85-68-7)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
16B. 2-Chloronaphthalene (91-58-7)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
17B. 4-Chlorophenyl Phenyl Ether(7005-72-3)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
18B. Chrysene (218-01-9)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
19B. Dibenzo (a,h) Anthracene (53-70-3)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
20B. 1,2-Dichlorobenzene (95-50-1)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
21B. 1,3-Dichlorobenzene (541-73-1)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
22B. 1,4-Dichlorobenzene (106-46-7)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
23B. 3,3-Dichlorobenzidine (91-94-1)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
24B. Diethyl Phthalate (84-66-2)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
25B. Dimethyl Phthalate (131-11-3)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA

ENTERGY OPERATIONS, INC. – River Bend Station

EPA I.D. NUMBER LAD070664818

OUTFALL NUMBER ROR [1]

1. POLLUTANT AND CAS NUMBER	2 a. TESTING REQUIRED	2 b. BELIEVED PRESENT	2 c. BELIEVED ABSENT	3. EFFLUENT a. MAXIMUM DAILY VALUE (1) CONC.	(2) MASS	b. MAXIMUM 30 DAY VALUE (1) CONC.	(2) MASS	c. LONG TERM AVERAGE (LTA) (1) CONC.	(2) MASS	d. NO. OF ANALYSES	4. UNITS a. CONC.	b. MASS	5. INTAKE (OPTIONAL) a. LTA VALUE (1) CONC.	(2) MASS	b. NO. OF ANALYSES
26B. Di-n-Butyl Phthalate (84-74-2)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
27B. 2,4-Dinitrotoluene (121-14-2)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
28B. 2,6-Dinitrotoluene (606-20-2)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
29B. Di-n-Octyl Phthalate (117-84-0)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
30B. 1,2-Diphenylhydrazine (122-66-7)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
31B. Fluoranthene (206-44-0)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
32B. Fluorene (86-73-7)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
33B. Hexachlorobenzene (118-74-1)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
34B. Hexachlorobutadiene (87-68-3)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
35B. Hexachlorocyclopentadiene (77-47-4)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
36B. Hexachloroethane (67-72-1)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
37B. Indeno (1,2,3-cd) Pyrene (193-39-5)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
38B. Isophorone (78-59-1)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
39B. Naphthalene (91-20-3)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
40B. Nitrobenzene (98-95-3)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
41B. N-Nitrosodimethylamine (62-75-9)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
42B. N-Nitrosodi-n-Propylamine (621-64-7)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
43B. N-Nitrosodiphenylamine (86-30-6)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
44B. Phenanthrene (85-01-8)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
45B. Pyrene (129-00-0)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
46B. 1,2,4-Trichlorobenzene (120-82-1)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
Part C–Pesticides															
1P. Aldrin (309-00-2)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
2P. alpha-BHC (319-84-6)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
3P. beta-BHC (319-85-7)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
4P. gamma-BHC (58-89-9)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
5P. delta-BHC (319-86-8)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
6P. Chlordane (57-74-9)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
7P. 4,4-DDT (50-29-3)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
8P. 4,4-DDE (72-55-9)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
9P. 4,4-DDD (72-54-8)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
10P. Dieldrin (60-57-1)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
11P. alpha-Endosulfan (115-29-7)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
12P. beta-Endosulfan (115-29-7)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
13P. Endosulfan Sulfate (1031-07-8)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
14P. Endrin (72-20-8)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
15P. Endrin Aldehyde (7421-93-4)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
16P. Heptachlor (76-44-8)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
17P. Heptachlor Epoxide (1024-57-3)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
18P. PCB-1242 (53469-21-9)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
19P. PCB-1254 (11097-69-1)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
20P. PCB-1221 (11104-28-2)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
21P. PCB-1232 (11141-16-5)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
22P. PCB-1248 (12672-29-6)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA

ENTERGY OPERATIONS, INC. – River Bend Station

EPA I.D. NUMBER LAD070664818

OUTFALL NUMBER ROR [1]

1. POLLUTANT AND CAS NUMBER	2 a. TESTING REQUIRED	2 b. BELIEVED PRESENT	2 c. BELIEVED ABSENT	3. EFFLUENT a. MAXIMUM DAILY VALUE (1) CONC.	(2) MASS	b. MAXIMUM 30 DAY VALUE (1) CONC.	(2) MASS	c. LONG TERM AVERAGE (LTA) (1) CONC.	(2) MASS	d. NO. OF ANALYSES	4. UNITS a. CONC.	b. MASS	5. INTAKE (OPTIONAL) a. LTA VALUE (1) CONC.	(2) MASS	b. NO. OF ANALYSES
23P. PCB-1260 (11096-82-5)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
24P. PCB-1016 (12674-11-2)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
25P. Toxaphene (8001-35-2)			X	NA	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
Part C – Other Parameters [3]															
Chlorides		X		55.7	5.1	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA
Total Dissolved Solids		X		596	55	NA	NA	NA	NA	1	mg/L	lbs/day	NA	NA	NA

[1] This source (reverse osmosis reject) is currently routed to Outfall 002; however, by this application, Entergy is requesting authorization to reroute this intermittent wastewater to Outfall 006.

[2] Total alpha, Total beta, Total Radium, and Total Radium 226 are believed present within the anticipated background values for naturally occurring radioactive material.

[3] These parameters are not required to be tested in accordance with 40 CFR 122 Appendix D, Table II, III or IV and are not found on Table V of the U.S. EPA Application Form 2C; however, they were tested because they were believed present and in order to characterize the effluent with respect to the request for authorization to reroute this discharge through Outfall 006.

Notes: A flow rate of 0.011 MGD obtained during the sampling event on 6/22/95 was used to calculate the mass for all parameters.

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

NA = Testing not required; no data available.

APPENDIX C

U.S. EPA APPLICATION FORM 2F

Please print or type in the unshaded areas only

EPA ID NUMBER *(copy from Item 1 of Form 1)*

LAD0070664818

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

FORM 2 F NPDES

EPA

United States Environmental Protection Agency
Washington, DC 20460

Application for Permit To Discharge Stormwater Discharges Associated with Industrial Activity

Paperwork Reduction Act Notice

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

I. Outfall Location

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

A. Outfall Number *(list)*	B. Latitude			C. Longitude			D. Receiving Water *(name)*
003	30°	45'	20"	91°	19'	49"	Grants Bayou (via East Creek)
							to Mississippi River
005	30°	45'	06"	91°	19'	38"	Grants Bayou to Mississippi River
006	30°	45'	12"	91°	19'	29"	Grants Bayou (via East Creek)
							to Mississippi River
007	30°	45'	02"	91°	19'	50"	Grants Bayou (via West Creek)
							to Mississippi River
009	30°	45'	32"	91°	19'	39"	Grants Bayou to Mississippi River

II. Improvements

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

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

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

III. Site Drainage Map

Attach a site map showing topography (or indicating the outline of drainage areas served by the outfall(s) covered in the application if a topographic map is unavailable) depicting the facility including: each of its intake and discharge structures; the drainage area of each storm water outfall; paved areas and buildings within the drainage area of each storm water outfall, each known past or present areas used for outdoor storage or disposal of significant materials, each existing structural control measure to reduce pollutants in storm water runoff, materials loading and access areas, areas where pesticides, herbicides, soil conditioners and fertilizers are applied; each of its hazardous waste treatment, storage or disposal units (including each area not required to have a RCRA permit which is used for accumulating hazardous waste under 40 CFR 262.34); each well where fluids from the facility are injected underground; springs, and other surface water bodies which receive storm water discharges from the facility. See Figures 1, 2, and 4.

Continue on Page 2

Continued from the Front

IV. Narrative Description of Pollutant Sources

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

Outfall Number	Area of Impervious Surface *(provide units)*	Total Area Drained *(provide units)*	Outfall Number	Area of Impervious Surface *(provide units)*	Total Area Drained *(provide units)*
003	0.2 Acres	0.2 Acres	007	30.9 Acres	89.6 Acres
005	5.3 Acres	8.1 Acres	009	2.7 Acres	10.9 Acres
006	23.0 Acres	26.7 Acres			

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

See Section 4.0 of document.

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

Outfall Number	Treatment	List Codes from Table 2F-1
	See Section 4.0 of document	

V. Nonstormwater Discharges

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

Name and Official Title *(type or print)*	Signature	Date Signed
Michael B. Sellman, General Manager, Plant Operations	M. A. Krupa for MBS	9-14-95

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

Best professional judgement, utilizing operator knowledge, field observations and aerial photography, was used to determined that no nonstormwater discharges contribute to or discharge through Outfall 009, and all nonstormwater discharges through Outfalls 003, 005, 006, and 007 are identified on the accompanying Form 2C (Appendix B).

VI. Significant Leaks or Spills

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

See Section 4.0 of document.

 Continue on Page 3

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

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Continued from Page 2

VII. Discharge Information

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

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

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

VIII. Biological Toxicity Testing Data

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

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

See Section 6.0 of document and Table 10.

IX. Contract Analysis Information

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

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

A. Name	B. Address	C. Area Code & Phone No.	D. Pollutants Analyzed
Inchcape Testing Services	7979 GSRI Ave. Baton Rouge, LA 70820	(504) 769-4900	All pollutants on Form 2F except pH, TRC, and FAC.

X. Certification

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

A. Name & Official Title *(type or print)*	B. Area Code and Phone No.
Michael B. Sellman, General Manager, Plant Operations	(504) 381-4200
C. Signature: M. A Krupa for MBS	D. Date Signed: 9-14-95

ENTERGY OPERATIONS, INC. – River Bend Station

EPA ID NUMBER
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OUTFALL NUMBER 003 [1]

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

Part A.

Pollutant and CAS Number	Maximum Values				Average Values				Number of Storm Events Sampled	Sources of Pollutants
	Grab Sample Taken During First 30 Minutes (mg/L)	Grab Sample Taken During First 30 Minutes (lbs/day)	Flow-weighted Composite (mg/L)	Flow-weighted Composite (lbs/day)	Grab Sample Taken During First 30 Minutes (mg/L)	Grab Sample Taken During First 30 Minutes (lbs/day)	Flow-weighted Composite (mg/L)	Flow-weighted Composite (lbs/day)		
Oil and Grease	< 1	< 0.004	< 1	< 0.01	NA	NA	NA	NA	1	NA
Biochemical Oxygen Demand (BOD_5)	< 1	< 0.004	< 1	< 0.01	NA	NA	NA	NA	1	NA
Chemical Oxygen Demand (COD)	38.2	0.2	38.8	0.3	NA	NA	NA	NA	1	NA
Total Suspended Solids (TSS)	< 1	< 0.004	4.0	0.03	NA	NA	NA	NA	1	(2) (3)
Total Kjeldahl Nitrogen (TKN)	< 1	< 0.004	< 1	< 0.01	NA	NA	NA	NA	1	(2) (3)
Nitrate plus Nitrite Nitrogen	0.05	0.0002	0.03	0.0002	NA	NA	NA	NA	1	NA
Total Phosphorus	< 0.05	< 0.0002	0.06	0.0005	NA	NA	NA	NA	1	(3)
pH	Min. 7.06	Max 7.06	Min. NA	Max NA	Min. NA	Max. NA	Min. NA	Max NA	1	(3)

Part B.

Pollutant and CAS Number	Maximum Values				Average Values				Number of Storm Events Sampled	Sources of Pollutants
	Grab Sample Taken During First 30 Minutes (mg/L)	Grab Sample Taken During First 30 Minutes (lbs/day)	Flow-weighted Composite (mg/L)	Flow-weighted Composite (lbs/day)	Grab Sample Taken During First 30 Minutes (mg/L)	Grab Sample Taken During First 30 Minutes (lbs/day)	Flow-weighted Composite (mg/L)	Flow-weighted Composite (lbs/day)		
Parameters Listed in NPDES/LWDPS Permits, and in Applicable Effluent Guidelines at 40 CFR 122.26(c)(1)(i)(E)(1) & (2):										
Total Organic Carbon (TOC)	14.3	0.1	17.3	0.1	NA	NA	NA	NA	1	(2) (3)
Temperature (° C)	26.1	NA	NA	NA	NA	NA	NA	NA	1	Ambient
Free Available Chlorine	< 0.05	< 0.0002	< 0.05	< 0.0004	NA	NA	NA	NA	1	NA
Total Residual Chlorine (TRC)	< 0.05	< 0.0002	< 0.05	< 0.0004	NA	NA	NA	NA	1	NA
Fecal Coliform (Colonies/100 ml)	9700	NA	5700	NA	NA	NA	NA	NA	1	(2) (3)
Zinc, Total	0.062	0.0003	0.143	0.001	NA	NA	NA	NA	1	(4)
Iron, Total	1.86	0.01	1.08	0.01	NA	NA	NA	NA	1	(4)
Copper, Total	0.011	0.00005	0.006	0.00005	NA	NA	NA	NA	1	(4)

Part C.

Pollutant and CAS Number	Maximum Values				Average Values				Number of Storm Events Sampled	Sources of Pollutants
	Grab Sample Taken During First 30 Minutes (mg/L)	Grab Sample Taken During First 30 Minutes (lbs/day)	Flow-weighted Composite (mg/L)	Flow-weighted Composite (lbs/day)	Grab Sample Taken During First 30 Minutes (mg/L)	Grab Sample Taken During First 30 Minutes (lbs/day)	Flow-weighted Composite (mg/L)	Flow-weighted Composite (lbs/day)		
Parameters Believed Potentially Present in 40 CFR 122 Appendix D Table II, III, IV, and Table 2F-3:										
Aluminium, Total	< 0.2	< 0.001	< 0.2	< 0.002	NA	NA	NA	NA	1	NA
Barium, Total	< 0.1	< 0.0004	< 0.1	< 0.001	NA	NA	NA	NA	1	NA
Color (True/Apparent) (APHA Units)	63/74	NA	69/75	NA	NA	NA	NA	NA	1	(2) (3)
Fluoride	0.16	0.001	0.25	0.002	NA	NA	NA	NA	1	(4)

ENTERGY OPERATIONS, INC. – River Bend Station

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OUTFALL NUMBER 003 [1]

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

Pollutant and CAS Number	Maximum Values				Average Values				Number of Storm Events Sampled	Sources of Pollutants
	Grab Sample Taken During First 30 Minutes (mg/L)	Grab Sample Taken During First 30 Minutes (lbs/day)	Flow–weighted Composite (mg/L)	Flow–weighted Composite (lbs/day)	Grab Sample Taken During First 30 Minutes (mg/L)	Grab Sample Taken During First 30 Minutes (lbs/day)	Flow–weighted Composite (mg/L)	Flow–weighted Composite (lbs/day)		
Manganese, Total	0.068	0.0003	0.068	0.001	NA	NA	NA	NA	1	(4)
Magnesium, Total	0.601	0.003	0.599	0.005	NA	NA	NA	NA	1	(4)
Organic Nitrogen, Total	< 1	< 0.004	< 1	< 0.01	NA	NA	NA	NA	1	NA
Radioactivity – (1) alpha, Total (pCi/L)	10.81	NA	< 0.1	NA	NA	NA	NA	NA	1	(3)
Radioactivity – (2) beta, Total (pCi/L)	< 0.1	NA	< 0.1	NA	NA	NA	NA	NA	1	NA
Radioactivity – (3) Radium, Total (pCi/L)	< 0.1	NA	< 0.1	NA	NA	NA	NA	NA	1	NA
Radioactivity – (4) Radium 226, Total (pCi/L)	< 0.1	NA	< 0.1	NA	NA	NA	NA	NA	1	NA
Sulfate	< 10	< 0.04	< 10	< 0.08	NA	NA	NA	NA	1	NA
Surfactants	0.22	0.001	0.22	0.002	NA	NA	NA	NA	1	(4)
Pollutant and CAS Number	**Maximum Values**				**Average Values**				**Number of Storm Events Sampled**	**Sources of Pollutants**
	Grab Sample Taken During First 30 Minutes (mg/L)	**Grab Sample Taken During First 30 Minutes (lbs/day)**	**Flow–weighted Composite (mg/L)**	**Flow–weighted Composite (lbs/day)**	**Grab Sample Taken During First 30 Minutes (mg/L)**	**Grab Sample Taken During First 30 Minutes (lbs/day)**	**Flow–weighted Composite (mg/L)**	**Flow–weighted Composite (lbs/day)**		
Other Parameters:										
Ammonia (as N) [5]	0.22	0.001	0.20	0.002	NA	NA	NA	NA	1	(4)

NA = Not applicable.

< = parameters analyzed were below the analytical quantitation limit.

NOTES:

The flow rate utilized to calculate mass for grab samples was an instantaneous estimate of 0.0005 MGD.

The flow rate utilized to calculate mass for flow–weighted composite samples was 0.010 MGD. This flow rate was an arithmetic average of instantaneous measurements conducted once during first flush and once during composite sampling.

FOOTNOTES:

[1] Outfall 003 consists of 3 separate sources: two oil/water separators which receive stormwater from the plant electric power distribution transformer yards (main and auxiliary), and a third oil/water separator which receives wastewater from non–radiologically contaminated power plant floor drains (well water, fire suppression water, and domestic potable water). It is the stormwater from the plant electric power distribution auxiliary transformer yard that was sampled with the analytical results presented on this Form 2F. These data are considered representative of stormwater from the second stormwater source to Outfall 003 (main transformer yard), which was not sampled as allowed at 40 CFR 122.21(g)(7). The two stormwater sources to Outfall 003 are considered substantially identical.

[2] Contact with facility roads and properties.

[3] Background levels from stormwater.

[4] Incidental to industrial activity.

[5] This pollutant was analyzed for, not because it was believed present in stormwater discharges, but rather because this pollutant is required to be tested at all outfalls in accordance with 40 CFR 122.21(g)(7)(i)(A).

ENTERGY OPERATIONS, INC. – River Bend Station

EPA ID NUMBER
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OUTFALL NUMBER 005

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

Part A.

Pollutant and CAS Number	Maximum Values				Average Values				Number of Storm Events Sampled	Sources of Pollutants
	Grab Sample Taken During First 30 Minutes (mg/L)	Grab Sample Taken During First 30 Minutes (lbs/day)	Flow-weighted Composite (mg/L)	Flow-weighted Composite (lbs/day)	Grab Sample Taken During First 30 Minutes (mg/L)	Grab Sample Taken During First 30 Minutes (lbs/day)	Flow-weighted Composite (mg/L)	Flow-weighted Composite (lbs/day)		
Oil and Grease	< 1	< 0.6	1.1	1.0	NA	NA	NA	NA	1	(1)
Biochemical Oxygen Demand (BOD_5)	1.6	1.0	2.2	2.0	NA	NA	NA	NA	1	(1) (2)
Chemical Oxygen Demand (COD)	25.1	15.1	23.9	21.5	NA	NA	NA	NA	1	(1) (2)
Total Suspended Solids (TSS)	8.0	4.8	8.0	7.2	NA	NA	NA	NA	1	(1) (2)
Total Kjeldahl Nitrogen (TKN)	< 1	< 0.6	< 1	< 0.9	NA	NA	NA	NA	1	(1) (2)
Nitrate plus Nitrite Nitrogen	0.22	0.13	0.08	0.07	NA	NA	NA	NA	1	NA
Total Phosphorus	< 0.05	< 0.03	< 0.05	< 0.05	NA	NA	NA	NA	1	(2)
pH	Min. 7.42	Max 7.42	Min. NA	Max NA	Min. NA	Max. NA	Min. NA	Max. NA	1	Ambient

Part B.

Pollutant and CAS Number	Maximum Values				Average Values				Number of Storm Events Sampled	Sources of Pollutants
	Grab Sample Taken During First 30 Minutes (mg/L)	Grab Sample Taken During First 30 Minutes (lbs/day)	Flow-weighted Composite (mg/L)	Flow-weighted Composite (lbs/day)	Grab Sample Taken During First 30 Minutes (mg/L)	Grab Sample Taken During First 30 Minutes (lbs/day)	Flow-weighted Composite (mg/L)	Flow-weighted Composite (lbs/day)		
Parameters Listed in NPDES/LWDPS Permits, and in Applicable Effluent Guidelines at 40 CFR 122.26(c)(1)(i)(E)(1) & (2):										
Total Organic Carbon (TOC)	10.9	6.5	9.1	8.2	NA	NA	NA	NA	1	(1) (2)
Temperature (° C)	25.1	NA	NA	NA	NA	NA	NA	NA	1	Ambient
Free Available Chlorine	< 0.05	< 0.03	< 0.05	< 0.05	NA	NA	NA	NA	1	NA
Total Residual Chlorine (TRC)	< 0.05	< 0.03	< 0.05	< 0.05	NA	NA	NA	NA	1	NA
Fecal Coliform (Colonies/100 ml)	12000	NA	8000	NA	NA	NA	NA	NA	1	(1) (2)
Zinc, Total	0.077	0.046	0.043	0.039	NA	NA	NA	NA	1	(3)
Iron, Total	0.652	0.392	1.07	0.96	NA	NA	NA	NA	1	(3)
Copper, Total	0.017	0.010	0.010	0.009	NA	NA	NA	NA	1	(3)

Part C.

Pollutant and CAS Number	Maximum Values				Average Values				Number of Storm Events Sampled	Sources of Pollutants
	Grab Sample Taken During First 30 Minutes (mg/L)	Grab Sample Taken During First 30 Minutes (lbs/day)	Flow-weighted Composite (mg/L)	Flow-weighted Composite (lbs/day)	Grab Sample Taken During First 30 Minutes (mg/L)	Grab Sample Taken During First 30 Minutes (lbs/day)	Flow-weighted Composite (mg/L)	Flow-weighted Composite (lbs/day)		
Parameters Believed Potentially Present in 40 CFR 122 Appendix D Table II, III, IV, and Table 2F-3:										
Bis (2 – Ethylhexyl) Phthalate	< 0.010	< 0.006	< 0.010	< 0.009	NA	NA	NA	NA	1	NA
Cadmium, Total	0.0010	0.0006	0.0014	0.0013	NA	NA	NA	NA	1	(3)
Chromium, Total	< 0.01	< 0.01	< 0.01	< 0.01	NA	NA	NA	NA	1	NA
Silver, Total	< 0.002	< 0.001	< 0.002	< 0.002	NA	NA	NA	NA	1	NA
Thallium, Total	< 0.003	< 0.002	< 0.003	< 0.003	NA	NA	NA	NA	1	NA
Aluminium, Total	0.374	0.225	0.918	0.827	NA	NA	NA	NA	1	(3)

Continued...

ENTERGY OPERATIONS, INC. – River Bend Station

EPA ID NUMBER LAD070664818

OUTFALL NUMBER 005

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

Pollutant and CAS Number	Maximum Values				Average Values				Number of Storm Events Sampled	Sources of Pollutants
	Grab Sample Taken During First 30 Minutes (mg/L)	Grab Sample Taken During First 30 Minutes (lbs/day)	Flow-weighted Composite (mg/L)	Flow-weighted Composite (lbs/day)	Grab Sample Taken During First 30 Minutes (mg/L)	Grab Sample Taken During First 30 Minutes (lbs/day)	Flow-weighted Composite (mg/L)	Flow-weighted Composite (lbs/day)		
Barium, Total	< 0.1	< 0.06	< 0.1	< 0.09	NA	NA	NA	NA	1	NA
Bromide	< 0.1	< 0.06	< 0.1	< 0.09	NA	NA	NA	NA	1	NA
Color (True/Apparent) (APHA Units)	134/168	NA	162/195	NA	NA	NA	NA	NA	1	(1) (2)
Fluoride	0.23	0.14	0.32	0.29	NA	NA	NA	NA	1	(3)
Manganese, Total	0.126	0.076	0.103	0.093	NA	NA	NA	NA	1	(3)
Magnesium, Total	2.86	1.72	4.21	3.79	NA	NA	NA	NA	1	(3)
Organic Nitrogen, Total	< 1	< 0.6	< 1	< 0.9	NA	NA	NA	NA	1	NA
Radioactivity - (1) alpha, Total (pCi/L)	< 0.1	NA	< 0.1	NA	NA	NA	NA	NA	1	NA
Radioactivity - (2) beta, Total (pCi/L)	2.00	NA	< 0.1	NA	NA	NA	NA	NA	1	(2)
Radioactivity - (3) Radium, Total (pCi/L)	< 0.1	NA	< 0.1	NA	NA	NA	NA	NA	1	NA
Radioactivity - (4) Radium 226, Total (pCi/L)	< 0.1	NA	< 0.1	NA	NA	NA	NA	NA	1	NA
Sulfate	< 10	< 6	< 10	< 9	NA	NA	NA	NA	1	NA
Surfactants	< 0.1	< 0.06	< 0.1	< 0.09	NA	NA	NA	NA	1	NA
Pollutant and CAS Number	Maximum Values				Average Values				Number of Storm Events Sampled	Sources of Pollutants
	Grab Sample Taken During First 30 Minutes (mg/L)	Grab Sample Taken During First 30 Minutes (lbs/day)	Flow-weighted Composite (mg/L)	Flow-weighted Composite (lbs/day)	Grab Sample Taken During First 30 Minutes (mg/L)	Grab Sample Taken During First 30 Minutes (lbs/day)	Flow-weighted Composite (mg/L)	Flow-weighted Composite (lbs/day)		
Other Parameters:										
Ammonia (as N) [4]	0.1	0.06	< 0.1	< 0.09	NA	NA	NA	NA	1	(3)

NA = Not applicable.

< = parameters analyzed were below the analytical quantitation limit.

NOTES:

The flow rate utilized to calculate mass for grab samples was an instantaneous estimate of 0.072 MGD.

The flow rate utilized to calculate mass for flow-weighted composite samples was 0.108 MGD. This flow rate was an arithmetic average of instantaneous measurements conducted once during first flush and once during composite sampling.

FOOTNOTES:

(1) Contact with facility roads and properties.

(2) Background levels from stormwater.

(3) Incidental to industrial activity.

(4) This pollutant was analyzed for, not because it was believed present in stormwater discharges, but rather because this pollutant is required to be tested at all outfalls in accordance with 40 CFR 122.21(g)(7)(i)(A).

ENTERGY OPERATIONS, INC. – River Bend Station

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OUTFALL NUMBER 006

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

Part A.

Pollutant and CAS Number	Maximum Values				Average Values				Number of Storm Events Sampled	Sources of Pollutants
	Grab Sample Taken During First 30 Minutes (mg/L)	Grab Sample Taken During First 30 Minutes (lbs/day)	Flow-weighted Composite (mg/L)	Flow-weighted Composite (lbs/day)	Grab Sample Taken During First 30 Minutes (mg/L)	Grab Sample Taken During First 30 Minutes (lbs/day)	Flow-weighted Composite (mg/L)	Flow-weighted Composite (lbs/day)		
Oil and Grease	< 1	< 2	< 1	< 4	NA	NA	NA	NA	1	NA
Biochemical Oxygen Demand (BOD_5)	2.2	5.3	3.7	15.6	NA	NA	NA	NA	1	(1) (2)
Chemical Oxygen Demand (COD)	28.2	67.7	19.3	81.1	NA	NA	NA	NA	1	(1) (2)
Total Suspended Solids (TSS)	308	740	164	689	NA	NA	NA	NA	1	(1) (2)
Total Kjeldahl Nitrogen (TKN)	< 1	< 2	< 1	< 4	NA	NA	NA	NA	1	NA
Nitrate plus Nitrite Nitrogen	0.35	0.84	0.53	2.23	NA	NA	NA	NA	1	(2)
Total Phosphorus	0.39	0.94	0.24	1.01	NA	NA	NA	NA	1	(2)
pH	Min. 7.60	Max 7.60	Min. NA	Max NA	Min. NA	Max. NA	Min. NA	Max. NA	1	Ambient

Part B.

Pollutant and CAS Number	Maximum Values				Average Values				Number of Storm Events Sampled	Sources of Pollutants
	Grab Sample Taken During First 30 Minutes (mg/L)	Grab Sample Taken During First 30 Minutes (lbs/day)	Flow-weighted Composite (mg/L)	Flow-weighted Composite (lbs/day)	Grab Sample Taken During First 30 Minutes (mg/L)	Grab Sample Taken During First 30 Minutes (lbs/day)	Flow-weighted Composite (mg/L)	Flow-weighted Composite (lbs/day)		
Parameters Listed in NPDES/LWDPS Permits, and in Applicable Effluent Guidelines at 40 CFR 122.26(c)(1)(i)(E)(1) & (2):										
Total Organic Carbon (TOC)	9.8	23.5	9.7	40.8	NA	NA	NA	NA	1	(1) (2)
Temperature (° C)	24.4	NA	NA	NA	NA	NA	NA	NA	1	Ambient
Free Available Chlorine	< 0.05	< 0.12	< 0.05	< 0.21	NA	NA	NA	NA	1	NA
Total Residual Chlorine (TRC)	< 0.05	< 0.12	< 0.05	< 0.21	NA	NA	NA	NA	1	NA
Fecal Coliform (Colonies/100 ml)	4300	NA	2100	NA	NA	NA	NA	NA	1	(1) (2)
Zinc, Total	0.089	0.214	0.156	0.656	NA	NA	NA	NA	1	(3)
Iron, Total	19.0	45.6	6.12	25.72	NA	NA	NA	NA	1	(3)
Copper, Total	0.017	0.041	0.011	0.046	NA	NA	NA	NA	1	(3)

Part C.

Pollutant and CAS Number	Maximum Values				Average Values				Number of Storm Events Sampled	Sources of Pollutants
	Grab Sample Taken During First 30 Minutes (mg/L)	Grab Sample Taken During First 30 Minutes (lbs/day)	Flow-weighted Composite (mg/L)	Flow-weighted Composite (lbs/day)	Grab Sample Taken During First 30 Minutes (mg/L)	Grab Sample Taken During First 30 Minutes (lbs/day)	Flow-weighted Composite (mg/L)	Flow-weighted Composite (lbs/day)		
Parameters Believed Potentially Present in 40 CFR 122 Appendix D Table II, III, IV, and Table 2F-3:										
Ethylbenzene	< 0.005	< 0.012	< 0.005	< 0.021	NA	NA	NA	NA	1	NA
Bis (2 – Ethylhexyl) Phthalate	< 0.010	< 0.024	< 0.010	< 0.042	NA	NA	NA	NA	1	NA
Chromium, Total	0.012	0.029	< 0.010	< 0.042	NA	NA	NA	NA	1	(3)
Aluminium, Total	17.6	42.3	6.63	27.87	NA	NA	NA	NA	1	(3)
Barium, Total	0.148	0.355	< 0.1	< 0.4	NA	NA	NA	NA	1	(3)
Color (True/Apparent) (APHA Units)	2400/4090	NA	1080/1400	NA	NA	NA	NA	NA	1	(1) (2)

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OUTFALL NUMBER 008

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

Pollutant and CAS Number	Maximum Values				Average Values				Number of Storm Events Sampled	Sources of Pollutants
	Grab Sample Taken During First 30 Minutes (mg/L)	Grab Sample Taken During First 30 Minutes (lbs/day)	Flow–weighted Composite (mg/L)	Flow–weighted Composite (lbs/day)	Grab Sample Taken During First 30 Minutes (mg/L)	Grab Sample Taken During First 30 Minutes (lbs/day)	Flow–weighted Composite (mg/L)	Flow–weighted Composite (lbs/day)		
Fluoride	0.34	0.82	0.18	0.76	NA	NA	NA	NA	1	(3)
Magnesium, Total	11.1	26.7	6.18	25.98	NA	NA	NA	NA	1	(3)
Organic Nitrogen, Total	< 1	< 2	< 1	< 4	NA	NA	NA	NA	1	NA
Radioactivity – (1) alpha, Total (pCi/L)	< 0.1	NA	< 0.1	NA	NA	NA	NA	NA	1	NA
Radioactivity – (2) beta, Total (pCi/L)	2.50	NA	< 0.1	NA	NA	NA	NA	NA	1	(2)
Radioactivity – (3) Radium, Total (pCi/L)	< 0.1	NA	0.17	NA	NA	NA	NA	NA	1	(2)
Radioactivity – (4) Radium 226, Total (pCi/L)	< 0.1	NA	0.10	NA	NA	NA	NA	NA	1	(2)
Sulfate	99.2	238.3	63.1	265.2	NA	NA	NA	NA	1	(3)
Surfactants	< 0.1	< 0.2	< 0.1	< 0.4	NA	NA	NA	NA	1	NA
Pollutant and CAS Number	**Maximum Values**				**Average Values**				**Number of Storm Events Sampled**	**Sources of Pollutants**
	Grab Sample Taken During First 30 Minutes (mg/L)	**Grab Sample Taken During First 30 Minutes (lbs/day)**	**Flow–weighted Composite (mg/L)**	**Flow–weighted Composite (lbs/day)**	**Grab Sample Taken During First 30 Minutes (mg/L)**	**Grab Sample Taken During First 30 Minutes (lbs/day)**	**Flow–weighted Composite (mg/L)**	**Flow–weighted Composite (lbs/day)**		
Other Parameters:										
Ammonia (as N) [4]	0.12	0.29	0.15	0.63	NA	NA	NA	NA	1	(3)

NA = Not applicable.

< = parameters analyzed were below the analytical quantitation limit.

NOTES:

The flow rate utilized to calculate mass for grab samples was an instantaneous estimate of 0.288 MGD.

The flow rate utilized to calculate mass for flow–weighted composite samples was 0.504 MGD. This flow rate was an arithmetic average of instantaneous measurements conducted once during first flush and once during composite sampling.

FOOTNOTES:

(1) Contact with facility roads and properties.

(2) Background levels from stormwater.

(3) Incidental to industrial activity.

(4) This pollutant was analyzed for, not because it was believed present in stormwater discharges, but rather because this pollutant is required to be tested at all outfalls in accordance with 40 CFR 122.21(g)(7)(i)(A).

OUTFALL NUMBER 007

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

Part A.

Pollutant and CAS Number	Maximum Values				Average Values				Number of Storm Events Sampled	Sources of Pollutants
	Grab Sample Taken During First 30 Minutes (mg/L)	Grab Sample Taken During First 30 Minutes (lbs/day)	Flow–weighted Composite (mg/L)	Flow–weighted Composite (lbs/day)	Grab Sample Taken During First 30 Minutes (mg/L)	Grab Sample Taken During First 30 Minutes (lbs/day)	Flow–weighted Composite (mg/L)	Flow–weighted Composite (lbs/day)		
Oil and Grease	< 1	< 6	< 1	< 9	NA	NA	NA	NA	1	NA
Biochemical Oxygen Demand (BOD_5)	1.6	9.6	3.9	35.1	NA	NA	NA	NA	1	(1) (2)
Chemical Oxygen Demand (COD)	20.4	122.5	12.5	112.6	NA	NA	NA	NA	1	(1) (2)
Total Suspended Solids (TSS)	54.0	324.3	40.0	360.3	NA	NA	NA	NA	1	(1) (2)
Total Kjeldahl Nitrogen (TKN)	< 1	< 6	< 1	< 9	NA	NA	NA	NA	1	NA
Nitrate plus Nitrite Nitrogen	0.50	3.00	0.35	3.15	NA	NA	NA	NA	1	(2)
Total Phosphorus	< 0.05	< 0.30	< 0.05	< 0.45	NA	NA	NA	NA	1	NA
pH	Min. 7.64	Max 7.64	Min. NA	Max NA	Min. NA	Max. NA	Min. NA	Max. NA	1	Ambient

Part B.

Pollutant and CAS Number	Maximum Values				Average Values				Number of Storm Events Sampled	Sources of Pollutants
	Grab Sample Taken During First 30 Minutes (mg/L)	Grab Sample Taken During First 30 Minutes (lbs/day)	Flow–weighted Composite (mg/L)	Flow–weighted Composite (lbs/day)	Grab Sample Taken During First 30 Minutes (mg/L)	Grab Sample Taken During First 30 Minutes (lbs/day)	Flow–weighted Composite (mg/L)	Flow–weighted Composite (lbs/day)		
Parameters Listed in NPDES/LWDPS Permits, and in Applicable Effluent Guidelines at 40 CFR 122.26(c)(1)(i)(E)(1) & (2):										
Total Organic Carbon (TOC)	5.5	33.0	5.9	53.1	NA	NA	NA	NA	1	(1) (2)
Temperature (° C)	23.9	NA	NA	NA	NA	NA	NA	NA	1	Ambient
Free Available Chlorine	< 0.05	< 0.30	< 0.05	< 0.45	NA	NA	NA	NA	1	NA
Total Residual Chlorine (TRC)	< 0.05	< 0.30	< 0.05	< 0.45	NA	NA	NA	NA	1	NA
Fecal Coliform (Colonies/100 ml)	TNTC	NA	16000	NA	NA	NA	NA	NA	1	NA
Zinc, Total	0.061	0.366	0.042	0.378	NA	NA	NA	NA	1	(1) (2)
Iron, Total	1.79	10.75	1.72	15.49	NA	NA	NA	NA	1	(3)
Copper, Total	< 0.005	< 0.030	0.015	0.135	NA	NA	NA	NA	1	(3)

Part C.

Pollutant and CAS Number	Maximum Values				Average Values				Number of Storm Events Sampled	Sources of Pollutants
	Grab Sample Taken During First 30 Minutes (mg/L)	Grab Sample Taken During First 30 Minutes (lbs/day)	Flow–weighted Composite (mg/L)	Flow–weighted Composite (lbs/day)	Grab Sample Taken During First 30 Minutes (mg/L)	Grab Sample Taken During First 30 Minutes (lbs/day)	Flow–weighted Composite (mg/L)	Flow–weighted Composite (lbs/day)		
Parameters Believed Potentially Present in 40 CFR 122 Appendix D Table II, III, IV, and Table 2F–3:										
Ethylbenzene	< 0.005	< 0.030	< 0.005	< 0.045	NA	NA	NA	NA	1	NA
Toluene	< 0.005	< 0.030	< 0.005	< 0.045	NA	NA	NA	NA	1	NA
Cadmium, Total	< 0.0002	< 0.0012	0.0003	0.0027	NA	NA	NA	NA	1	NA
Chromium, Total	< 0.01	< 0.06	< 0.01	< 0.09	NA	NA	NA	NA	1	(3)
Nickel, Total	< 0.015	< 0.090	< 0.015	< 0.135	NA	NA	NA	NA	1	NA
Thallium, Total	< 0.003	< 0.018	< 0.003	< 0.027	NA	NA	NA	NA	1	NA

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OUTFALL NUMBER 007

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

Pollutant and CAS Number	Maximum Values				Average Values				Number of Storm Events Sampled	Sources of Pollutants
	Grab Sample Taken During First 30 Minutes (mg/L)	Grab Sample Taken During First 30 Minutes (lbs/day)	Flow–weighted Composite (mg/L)	Flow–weighted Composite (lbs/day)	Grab Sample Taken During First 30 Minutes (mg/L)	Grab Sample Taken During First 30 Minutes (lbs/day)	Flow–weighted Composite (mg/L)	Flow–weighted Composite (lbs/day)		
Aluminium, Total	1.99	11.95	2.54	22.88	NA	NA	NA	NA	1	(3)
Barium, Total	< 0.1	< 0.6	< 0.1	< 0.9	NA	NA	NA	NA	1	NA
Bromide	< 0.1	< 0.6	< 0.1	< 0.9	NA	NA	NA	NA	1	NA
Color (True/Apparent) (APHA Units)	387/485	NA	248/439	NA	NA	NA	NA	NA	1	(1) (2)
Fluoride	< 0.1	< 0.6	0.30	2.70	NA	NA	NA	NA	1	(3)
Magnesium, Total	1.74	10.45	2.05	18.46	NA	NA	NA	NA	1	(3)
Manganese, Total	0.044	0.264	0.048	0.432	NA	NA	NA	NA	1	(3)
Organic Nitrogen, Total	< 1	< 6	< 1	< 9	NA	NA	NA	NA	1	NA
Radioactivity – (1) alpha, Total (pCi/L)	< 0.1	NA	< 0.1	NA	NA	NA	NA	NA	1	NA
Radioactivity – (2) beta, Total (pCi/L)	3.19	NA	< 0.1	NA	NA	NA	NA	NA	1	(2)
Radioactivity – (3) Radium, Total (pCi/L)	< 0.1	NA	< 0.1	NA	NA	NA	NA	NA	1	NA
Radioactivity – (4) Radium 226, Total (pCi/L)	< 0.1	NA	< 0.1	NA	NA	NA	NA	NA	1	NA
Sulfate	15.2	91.3	13.5	121.6	NA	NA	NA	NA	1	(3)
Surfactants	< 0.1	< 0.6	< 0.1	< 0.9	NA	NA	NA	NA	1	NA
Titanium, Total	< 0.5	< 3.0	< 0.5	< 4.5	NA	NA	NA	NA	1	NA

Pollutant and CAS Number	Maximum Values				Average Values				Number of Storm Events Sampled	Sources of Pollutants
	Grab Sample Taken During First 30 Minutes (mg/L)	Grab Sample Taken During First 30 Minutes (lbs/day)	Flow–weighted Composite (mg/L)	Flow–weighted Composite (lbs/day)	Grab Sample Taken During First 30 Minutes (mg/L)	Grab Sample Taken During First 30 Minutes (lbs/day)	Flow–weighted Composite (mg/L)	Flow–weighted Composite (lbs/day)		
Other Parameters:										
Ammonia (as N) [4]	0.12	0.72	< 0.10	< 0.90	NA	NA	NA	NA	1	(3)

NA = Not applicable.

< = parameters analyzed were below the analytical quantitation limit.

TNTC = Too numerous to count

NOTES:

The flow rate utilized to calculate mass for grab samples was an instantaneous estimate of 0.72 MGD.

The flow rate utilized to calculate mass for flow–weighted composite samples was 1.08 MGD. This flow rate was an arithmetic average of instantaneous measurements conducted once during first flush and once during composite sampling.

FOOTNOTES:

(1) Contact with facility roads and properties.

(2) Background levels from stormwater.

(3) Incidental to industrial activity.

(4) This pollutant was analyzed for, not because it was believed present in stormwater discharges, but rather because this pollutant is required to be tested at all outfalls in accordance with 40 CFR 122.21(g)(7)(i)(A).

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OUTFALL NUMBER 009

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

Part A.

Pollutant and CAS Number	Maximum Values: Grab Sample Taken During First 30 Minutes (mg/L)	Maximum Values: Grab Sample Taken During First 30 Minutes (lbs/day)	Maximum Values: Flow-weighted Composite (mg/L)	Maximum Values: Flow-weighted Composite (lbs/day)	Average Values: Grab Sample Taken During First 30 Minutes (mg/L)	Average Values: Grab Sample Taken During First 30 Minutes (lbs/day)	Average Values: Flow-weighted Composite (mg/L)	Average Values: Flow-weighted Composite (lbs/day)	Number of Storm Events Sampled	Sources of Pollutants
Oil and Grease	< 1	< 0.01	< 1	< 0.06	NA	NA	NA	NA	1	NA
Biochemical Oxygen Demand (BOD_5)	2.6	0.02	4.7	0.30	NA	NA	NA	NA	1	(1) (2)
Chemical Oxygen Demand (COD)	56.0	0.3	29.2	1.8	NA	NA	NA	NA	1	(1) (2)
Total Suspended Solids (TSS)	52.0	0.3	62.0	3.9	NA	NA	NA	NA	1	(1) (2)
Total Kjeldahl Nitrogen (TKN)	1.3	0.01	1.4	0.09	NA	NA	NA	NA	1	(1) (2)
Nitrate plus Nitrite Nitrogen	0.77	0.005	0.49	0.031	NA	NA	NA	NA	1	(2)
Total Phosphorus	0.63	0.004	0.21	0.013	NA	NA	NA	NA	1	(2)
pH	Min. 7.99	Max 7.99	Min. NA	Max NA	Min. NA	Max. NA	Min. NA	Max. NA	1	Ambient

Part B.

Pollutant and CAS Number	Maximum Values: Grab Sample Taken During First 30 Minutes (mg/L)	Maximum Values: Grab Sample Taken During First 30 Minutes (lbs/day)	Maximum Values: Flow-weighted Composite (mg/L)	Maximum Values: Flow-weighted Composite (lbs/day)	Average Values: Grab Sample Taken During First 30 Minutes (mg/L)	Average Values: Grab Sample Taken During First 30 Minutes (lbs/day)	Average Values: Flow-weighted Composite (mg/L)	Average Values: Flow-weighted Composite (lbs/day)	Number of Storm Events Sampled	Sources of Pollutants
Parameters Listed in NPDES/LWDPS Permits, and in Applicable Effluent Guidelines at 40 CFR 122.26(c)(1)(i)(E)(1) & (2):										
Total Organic Carbon (TOC)	17.2	0.1	12.9	0.8	NA	NA	NA	NA	1	(1) (2)
Temperature (° C)	22.1	NA	NA	NA	NA	NA	NA	NA	1	Ambient
Free Available Chlorine	< 0.05	< 0.0003	< 0.05	< 0.0032	NA	NA	NA	NA	1	NA
Total Residual Chlorine (TRC)	< 0.05	< 0.0003	< 0.05	< 0.0032	NA	NA	NA	NA	1	NA
Fecal Coliform (Colonies/100 ml)	26000	NA	10600	NA	NA	NA	NA	NA	1	NA
Zinc, Total	0.050	0.0003	0.059	0.0037	NA	NA	NA	NA	1	(1) (2)
Iron, Total	2.12	0.01	3.52	0.22	NA	NA	NA	NA	1	(3)
Copper, Total	0.014	0.0001	0.016	0.0010	NA	NA	NA	NA	1	(3)

Part C.

Pollutant and CAS Number	Maximum Values: Grab Sample Taken During First 30 Minutes (mg/L)	Maximum Values: Grab Sample Taken During First 30 Minutes (lbs/day)	Maximum Values: Flow-weighted Composite (mg/L)	Maximum Values: Flow-weighted Composite (lbs/day)	Average Values: Grab Sample Taken During First 30 Minutes (mg/L)	Average Values: Grab Sample Taken During First 30 Minutes (lbs/day)	Average Values: Flow-weighted Composite (mg/L)	Average Values: Flow-weighted Composite (lbs/day)	Number of Storm Events Sampled	Sources of Pollutants
Parameters Believed Potentially Present in 40 CFR 122 Appendix D Table II, III, IV, and Table 2F-3:										
Antimony, Total	< 0.042	< 0.0003	< 0.042	< 0.0026	NA	NA	NA	NA	1	NA
Cadmium, Total	0.0004	0.000002	0.0004	0.000025	NA	NA	NA	NA	1	(3)
Chromium, Total	< 0.01	< 0.0001	< 0.01	< 0.0006	NA	NA	NA	NA	1	NA
Nickel, Total	< 0.015	< 0.0001	0.025	0.0016	NA	NA	NA	NA	1	(3)
Selenium, Total	< 0.002	< 0.00001	< 0.002	< 0.00013	NA	NA	NA	NA	1	NA
Silver, Total	< 0.002	< 0.00001	< 0.002	< 0.00013	NA	NA	NA	NA	1	NA
Thallium, Total	< 0.003	< 0.00002	< 0.003	< 0.00019	NA	NA	NA	NA	1	NA

Continued

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OUTFALL NUMBER 009

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

Pollutant and CAS Number	Maximum Values				Average Values				Number of Storm Events Sampled	Sources of Pollutants
	Grab Sample Taken During First 30 Minutes (mg/L)	Grab Sample Taken During First 30 Minutes (lbs/day)	Flow-weighted Composite (mg/L)	Flow-weighted Composite (lbs/day)	Grab Sample Taken During First 30 Minutes (mg/L)	Grab Sample Taken During First 30 Minutes (lbs/day)	Flow-weighted Composite (mg/L)	Flow-weighted Composite (lbs/day)		
Phenols, Total	< 0.005	< 0.00003	< 0.005	< 0.00032	NA	NA	NA	NA	1	NA
Aluminium, Total	1.77	0.01	3.36	0.21	NA	NA	NA	NA	1	(3)
Barium, Total	< 0.1	< 0.001	< 0.1	< 0.006	NA	NA	NA	NA	1	NA
Bromide	0.19	0.001	0.27	0.017	NA	NA	NA	NA	1	(3)
Color (True/Apparent) (APHA Units)	249/468	NA	376/903	NA	NA	NA	NA	NA	1	(1) (2)
Fluoride	0.63	0.004	0.24	0.015	NA	NA	NA	NA	1	(3)
Magnesium, Total	5.70	0.03	4.91	0.31	NA	NA	NA	NA	1	(3)
Manganese, Total	0.057	0.0003	0.053	0.0033	NA	NA	NA	NA	1	(3)
Organic Nitrogen, Total	1.1	0.01	1.22	0.08	NA	NA	NA	NA	1	(2)
Radioactivity – (1) alpha, Total (pCi/L)	< 0.1	NA	< 0.1	NA	NA	NA	NA	NA	1	NA
Radioactivity – (2) beta, Total (pCi/L)	4.25	NA	5.19	NA	NA	NA	NA	NA	1	(2)
Radioactivity – (3) Radium, Total (pCi/L)	0.16	NA	0.15	NA	NA	NA	NA	NA	1	(2)
Radioactivity – (4) Radium 226, Total (pCi/L)	< 0.1	NA	0.15	NA	NA	NA	NA	NA	1	(2)
Sulfate	66.3	0.4	46.6	2.9	NA	NA	NA	NA	1	(3)
Surfactants	< 0.1	< 0.001	< 0.1	< 0.006	NA	NA	NA	NA	1	NA
Titanium, Total	< 0.5	< 0.003	< 0.5	< 0.032	NA	NA	NA	NA	1	NA
Pollutant and CAS Number	**Maximum Values**				**Average Values**				**Number of Storm Events Sampled**	**Sources of Pollutants**
	Grab Sample Taken During First 30 Minutes (mg/L)	Grab Sample Taken During First 30 Minutes (lbs/day)	Flow-weighted Composite (mg/L)	Flow-weighted Composite (lbs/day)	Grab Sample Taken During First 30 Minutes (mg/L)	Grab Sample Taken During First 30 Minutes (lbs/day)	Flow-weighted Composite (mg/L)	Flow-weighted Composite (lbs/day)		
Other Parameters:										
Ammonia (as N) [4]	0.20	0.001	0.18	0.011	NA	NA	NA	NA	1	(3)

NA = Not applicable.
< = parameters analyzed were below the analytical quantitation limit.

NOTES:

The flow rate utilized to calculate mass for grab samples was an instantaneous estimate of 0.0007 MGD.

The flow rate utilized to calculate mass for flow-weighted composite samples was 0.0076 MGD. This flow rate was an arithmetic average of instantaneous measurements conducted once during first flush and once during composite sampling.

FOOTNOTES:

(1) Contact with facility roads and properties.
(2) Background levels from stormwater.
(3) Incidental to industrial activity.
(4) This pollutant was analyzed for, not because it was believed present in stormwater discharges, but rather because this pollutant is required to be tested at all outfalls in accordance with 40 CFR 122.21(g)(7)(i)(A).

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

1. Date of Storm Event	2. Duration of Storm Event *(in minutes)*	3. Total rainfall during storm event *(in inches)*	4. Number of hours between beginning of storm measured and end of previous measurable rain event	5. Maximum flow rate during rain event *(gallons/minute or specify units)*	6. Total flow from rain event *(gallons or specify units)*
7/5/95	220	0.32	96	003 (1 gpm) 005 (100 gpm) 006 (500 gpm) 007 (1000 gpm) 009 (10 gpm)	003 (1000 gals.) 005 (19000 gals.) 006 (184000 gals.) 007 (318000 gals.) 009 (32000 gals.)

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

For Item 5, flow rates were estimated at Outfalls 003, 005, and 009 by timing the filling of a container of known volume. For Outfalls 006 and 007, flow rates were estimated by timing an object floating down the discharge pathway and multiplying by the cross-sectional area of the drainage feature (i.e. ditch).

For Item 6, total flow (or volume) for each outfall was estimated using runoff calculations of the formula Q=cia where Q=flow, c=runoff coefficient, i=rainfall intensity, and a=area.

APPENDIX D

MAY 23, 1995 LETTER FROM LDEQ ON BIOMONITORING TESTING

State of Louisiana

Department of Environmental Quality

Edwin W. Edwards, Governor

MAY 23 1995

William A. Kucharski, Secretary

Certified Mail # 121090R

File # LA0042731
Ref # WP0409

Entergy
River Bend Station
P.O. Box 220
St. Francisville, Louisiana 70775

Attention: Keith Stoma

Dear Mr. Stoma:

RE: Zebra Mussel Control Request.

The Office of Water Resources has received and reviewed Entergy's letter dated April 25, 1995, requesting permission to treat the Mississippi River water system with the non-oxidizing mulluscicide Calgon H-130. This Office has no objection to the one time treatment with this Molluscicide. or Betz CT-2 as per conversation with DEQ (Ronnie Bean) on 5/31/95 @ 1000 RL 5/31/95

The current Louisiana permit language for major facilities in Part II Section 3. d. ii; states that the permittee must collect a 24-hour sample for biomonitoring representative of any periodic episode of chlorination, biocide usage or other potentially toxic substance discharge. In accordance with this provision, Entergy must perform a 48 hour acute freshwater biomonitoring test on a flow proportioned composite sample of the discharge taken during the zebra mussel treatment. Toxicity test procedures and quality assurance requirements for tests using Ceriodaphnia dubia and Pimephales promelas are specified in the EPA manual "Methods for Measuring the Acute Toxicity of Effluents and Receiving Waters to Freshwater and Marine Organisms", EPA/600/4-90/027. Dilutions of 0.8%, 0.6%, 0.4%, 0.3%, and 0.2% effluent must be tested.

Entergy must also verify, through appropriate testing, the discharge concentration of the molluscicide. Results of the biomonitoring, the testing for residual, and the detection limit of the residual test method used should be sent to the attention of Ronnie Bean of the Office of Water Resources.

Should you have any questions concerning this matter, please feel free to contact Ronnie Bean at (504) 765-0525.

Sincerely,

J. Dale Givens, Assistant Secretary
Office of Water Resources

JDG/RAB

c: Capital Regional Office

Phil Jennings, W6-PT
U.S.EPA, Region 6