



Entergy Operations, Inc.
5485 U.S. Highway 61
St. Francisville, LA 70775

May 27, 2014

U.S. Nuclear Regulatory Commission
Document Control Desk
OWFN-P1-17
11555 Rockville Pike
Rockville, MD 20852-2738

Subject: LPDES (# LA0042731) Permit Minor Modification
River Bend Station – Unit 1
License No. NPF-47
Docket No. 50-458

File No.: G1.11.7, G9.5
RBG-47470
ENV-L-14-011

Ladies and Gentlemen:

Enclosed is a copy of a minor modification to the River Bend Station Louisiana Pollutant Discharge Elimination System (LPDES) permit effective May 1, 2014. This is submitted as required by Appendix B, Environmental Protection Plan (Nonradiological), Section 3.2 to Facility Operating License NPF-47.

Please contact me at 225-381-3701 if you have any questions.

Sincerely,

A handwritten signature in cursive script, appearing to read "Wm Spell".

William H. Spell
Senior Environmental Specialist

WHS/lbw
Enclosure

C001
NRR

BOBBY JINDAL
GOVERNOR



PEGGY M. HATCH
SECRETARY

State of Louisiana
DEPARTMENT OF ENVIRONMENTAL QUALITY
ENVIRONMENTAL SERVICES

April 25, 2014

CERTIFIED MAIL 7013 0600 0001 3242 3569 **-RETURN RECEIPT REQUEST**

File No.: LA0042731
AI No.: 2889
Activity No.: PER20140002

Mr. William H. Spell, HP/Chem Specialist
Entergy Operations, Inc.
River Bend Station
5485 U. S. Highway 61
St. Francisville, LA 70775

RE: Minor modification of Louisiana Pollutant Discharge Elimination System (LPDES) permit LA0042731 issued to Entergy Operations, Inc.'s River Bend Station, located at 5485 U. S. Highway 61 in St. Francisville, West Feliciana Parish.

Dear Mr. Spell:

Final LPDES permit LA0042731 for Entergy Operations, Inc.'s River Bend Station was effective on October 1, 2011. However, the permit contained errors in the monitoring and reporting requirements language for several of the pollutant parameters at Outfalls 201 and 003. The following modifications have been made to correct the errors:

1. Outfall 201 – Two new footnotes have been added to clarify the proper monitoring frequency and Discharge Monitoring Report (DMR) reporting requirements for TSS, as it relates to maintenance activities. If maintenance activity discharges occur during the quarter, quarterly total suspended solids (TSS) sampling is not required. TSS must be sampled weekly and the results reported on the 201A DMR. A notation shall be made on the 201Q DMR stating the dates maintenance activities occurred and on which month's DMR TSS results were reported. Changes were made to Part I, Pages 5 and 6 of 17 of the permit. See footnotes 5 and 6.
2. Outfall 003 - Two new footnotes have been added to clarify the proper monitoring frequency and DMR reporting requirements for Flow, Oil & Grease, and pH, as related to low volume wastewater discharges. If low volume wastewater discharges occur during the quarter, quarterly monitoring for Flow, Oil & Grease, and pH is not required. Flow, Oil & Grease, and pH must be monitored monthly and the results reported on the 003A DMR. A notation shall be made on the 003Q DMR stating the dates low volume wastewater discharges occurred and on which month's DMR Flow, Oil & Grease, and pH results were reported. Changes were made to Part I, Pages 12 and 12A of 17 of the permit. Please note that the footnotes for Outfall 003 were renumbered to accommodate these changes. See footnotes 2 and 3 for changes to the monitoring and reporting requirements.

Attached are the modified Effluent Limitations and Monitoring Requirements pages reflecting the above changes and a modified title page. Please replace the appropriate pages in LPDES permit LA0042731 with these revisions. All other conditions of the permit shall continue unchanged and remain valid until the expiration date of the permit.

The permit modification fee has been waived because this is an Agency initiated minor modification of LPDES permit LA0042731.

Monitoring results should be reported on a Discharge Monitoring Report (DMR) form per the schedule specified. A copy of the form to be used is attached for your convenience.

Should you have any questions concerning any part of the permit modification, please contact Lisa Kemp of the Office of Environmental Services at the address on the first page or by telephone at (225) 219-3195. To ensure that all correspondence regarding this facility is properly filed, please reference your Agency Interest number 2889 and LPDES permit number LA0042731 on all future correspondence to this Department.

Sincerely,



Scott Guilliams, Administrator
Water Permits Division

lwk

Attachment(s): including modified title page, modified permit pages and DMR form

c: IO-W

cc: Lisa Kemp
Michelle Bickham
Jenniffer Sheppard
Water Permits Division

Ms. Evelyn Rosborough (6WQ-CA)
U. S. Environmental Protection
Agency, Region VI

Permit Compliance Unit
Capital Regional Office
Office of Environmental Compliance

PERMIT No.: LA0042731

AI No.: 2889



OFFICE OF ENVIRONMENTAL SERVICES
Water Discharge Permit

Pursuant to the Clean Water Act, as amended (33 U.S.C. 1251 *et seq.*), and the Louisiana Environmental Quality Act, as amended (La. R. S. 30:2001 *et seq.*), rules and regulations effective or promulgated under the authority of said Acts, and in reliance on statements and representations heretofore made in the application, a Louisiana Pollutant Discharge Elimination System permit is issued authorizing

Entergy Operations, Inc.
River Bend Station
5845 U. S. Highway 61
St. Francisville, LA 70775

Type Facility: steam electric generating facility

Location: 5845 U. S. Highway 61 in St. Francisville
West Feliciana Parish

Receiving Waters: Mississippi River (Outfalls 001, 101, 201, 301, 401, 501, 601, 006, 007) and
Grant's Bayou (Outfalls 002, 003, 004, 104, 005, 007) (Subsegment 070201)


to discharge in accordance with effluent limitations, monitoring requirements, and other conditions set forth in Parts I, II, and III attached hereto.

This permit and the authorization to discharge were effective on October 1, 2011, and shall expire five (5) years from the original effective date of the permit.

This permit was not previously modified.

This permit modification shall become effective on May 1, 2014

Issued on April 22, 2014


Scott Guilliams, Administrator
Water Permits Division

EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS (continued)

During the period beginning the effective date of the modification and lasting through the expiration date the permittee is authorized to discharge from:

Internal Outfall 201, the intermittent discharge of treated sanitary wastewater; also, during maintenance activities, sanitary wastewater may be combined with previously monitored hydrostatic test wastewater, wastewater from floor drains of the control building and the diesel generator oil/water separator (and other low volume wastewaters as defined in 40 CFR 423), and maintenance wastewaters and may be routed to Outfall 002 (*4).

Such discharges shall be limited and monitored by the permittee as specified below:

Effluent Characteristic	STORET Code	Discharge Limitations				Monitoring Requirements	
		(lbs/day, UNLESS STATED)		Other Units (mg/L, UNLESS STATED)		Measurement Frequency (*1)	Sample Type
		Monthly Average	Daily Maximum	Monthly Average	Daily Maximum		
Flow-MGD	50050	Report	Report	---	---	1/quarter	Estimate
BOD ₅	00310	---	---	30	45	1/quarter	Grab
TSS	00530	---	---	30	45	1/quarter (*5) (*6)	Grab
Fecal Coliform colonies/100 ml (*2)	74055	---	---	200	400	1/quarter	Grab

In addition to the above monitoring requirements, the following limitations and monitoring frequencies are applicable during maintenance activities:

Effluent Characteristic	STORET Code	Discharge Limitations				Monitoring Requirements	
		(lbs/day, UNLESS STATED)		Other Units (mg/L, UNLESS STATED)		Measurement Frequency (*3)	Sample Type
		Monthly Average	Daily Maximum	Monthly Average	Daily Maximum		
Flow-MGD	50050	Report	Report	---	---	1/week	Estimate
TSS	00530	---	---	30	45	1/week (*6)	Grab
Oil & Grease	03582	---	---	15	20	1/week	Grab

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):

Internal Outfall 201, at the point of discharge from the sewage treatment plant prior to combining with the waters of Final Outfall 001 or Final Outfall 002.

FOOTNOTE(S):

(*1) When discharging.

PART I

Modified Page 6 of 17
Permit No. LA0042731
AI No. 2889

EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS (Internal Outfall 201 continued)

- (*2) Future water quality studies may indicate potential toxicity from the presence of residual chlorine in the treatment facility's effluent. Therefore, the permittee is hereby advised that a future Total Residual Chlorine Limit may be required if chlorine is used as a method of disinfection. In many cases, this becomes a NO MEASURABLE Total Residual Chlorine Limit.
- (*3) Samples shall be representative of discharges occurring during maintenance activities.
- (*4) Discharge Monitoring Reports must be submitted for BOTH Outfall 201 operational scenarios. If either scenario does not discharge within the monitoring period, mark "no discharge" on the top right hand corner of the DMR for that operational scenario.
- (*5) If no maintenance activity discharges occur during the quarter, total suspended solids (TSS) must be sampled quarterly and the results shall be reported on the 201Q DMR. A notation shall be made on the 201A DMR stating that no maintenance activities occurred during the quarter.
- (*6) If maintenance activity discharges occur during the quarter, quarterly TSS sampling is not required. TSS must be sampled weekly and the results shall be reported on the 201A DMR. A notation shall be made on the 201Q DMR stating the dates maintenance activity discharges occurred and on which month's DMR TSS monitoring results were reported.

EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS (continued)

During the period beginning the effective date of the modification and lasting through the expiration date the permittee is authorized to discharge from:

Outfall 003, the intermittent discharge of stormwater runoff from the reactor building, turbine building, services building, clarifiers, main transformer yard and auxiliary transformer yard; maintenance wastewaters including but not limited to flushing of piping systems and vessels (including Fire Protection Water Supply System and Automatic Sprinkler System); low volume wastewaters including but not limited to reverse osmosis reject water from the standby service water polishing system, effluent from floor drains within power plant buildings (domestic potable water, well water, reject mobile reverse osmosis and fire suppression water treated in the fire pump house oil/water separator), air compressor condensate, and reverse osmosis reject water from makeup water polishing system; air conditioning condensate, previously monitored hydrostatic test wastewater, and de minimis quantities of cooling tower drift/mist (*6).

Such discharges shall be limited and monitored by the permittee as specified below:

Effluent Characteristic	STORET Code	Discharge Limitations				Monitoring Requirements	
		Monthly Average	Daily Maximum	Other Units (lbs/day, UNLESS STATED) (mg/L, UNLESS STATED)		Measurement Frequency (*1)	Sample Type
Flow-MGD	50050	---	Report	---	---	1/quarter (*2) (*3)	Estimate
TOC	00680	---	---	---	50	1/quarter	Grab
Oil & Grease	03582	---	---	---	15	1/quarter (*2) (*3)	Grab
TSS	00530	---	---	---	100	1/month (*4)	Grab
pH Minimum/Maximum Values (standard units)	00400	---	---	6.0 (*5) (Min)	9.0 (*5) (Max)	1/quarter (*2) (*3)	Grab

There shall be no discharge of floating solids or visible foam in other than trace amounts, nor of free oil or other oil materials, nor of toxic materials in quantities such as to cause acute toxicity to aquatic organisms. Furthermore, there shall be no visible sheen or stains attributable to this discharge.

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):

Outfall 003, at the point of discharge from the plant drainage ditch system along the East Creek prior to combining with other waters.

FOOTNOTE(S):

- (*1) When discharging.
- (*2) If no low volume wastewater discharges occur during the quarter, Flow, Oil & Grease, and pH must be monitored quarterly and the results reported on the 003Q DMR. A notation shall be made on the 003A DMR stating that no discharges of low volume wastewaters occurred during the quarter.
- (*3) Sampling shall be monthly when discharging low volume wastewaters. If low volume wastewater discharges occur during the quarter, quarterly Flow, Oil & Grease, and pH monitoring is not required. Flow, Oil & Grease, and pH must be monitored monthly and the results shall be reported on the 003A DMR. A notation shall be made on the 003Q DMR stating the dates low volume wastewater discharges occurred and on which month's DMR Flow, Oil & Grease, and pH monitoring results were reported.

PART I

Modified Page 12A of 17
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AI No. 2889

EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS (Outfall 003continued)

- (*4) When discharging low volume wastewater, total suspended solids shall be monitored and reported as required above.
- (*5) The permittee shall report on the Discharge Monitoring Reports both the minimum and maximum instantaneous pH values measured.
- (*6) Discharge Monitoring Reports must be submitted for BOTH operational scenarios: (1) discharges which do not include low volume wastewaters; and (2) discharges which include low volume wastewaters. If either scenario does not discharge within the monitoring period, mark "no discharge" on the top right hand corner of the DMR for that operational scenario.