

PERMIT RATIONALE FOR ISSUANCE
 Sean Vidrine, Paradise Ranch RV Resort
 Walthall County
 Tylertown, Mississippi
 Water NPDES No. MS0062596
 March 2021

- I. CLASSIFICATION – NPDES Commercial
- II. DESCRIPTION OF WASTEWATER – Domestic Wastewater
- III. DESCRIPTION OF WASTEWATER TREATMENT – Domestic wastewater is collected and treated biologically by means of an extended aeration activated sludge treatment facility and chlorine disinfection prior to discharge. Only one discharge to surface waters is described within the application.
- IV. RECEIVING WATERS – Unnamed tributary of the Bogue Chitto. The receiving waters are located in the Pearl River drainage basin. The unnamed tributary is classified as Fish and Wildlife and the Bogue Chitto is classified as Recreational. At the point of discharge, the receiving stream does not appear on the current State of Mississippi 303(d) List of Impaired Waterbodies. Completed Total Maximum Daily Loads (TMDLs) for Mercury and Fecal Coliform exist for the receiving stream. The discharge should not be a contributor of mercury to the receiving stream and the discharge is required to disinfect to meet water quality standards for pathogens, so the discharge complies with the conditions of the TMDLs.
- V. APPLICABLE GUIDELINES – 11 Mississippi Admin Code pt. 6, Commercial Facility Guidelines (Technology), State of Mississippi Water Quality Criteria (MSWQS)
- VI. SUMMARY OF DISCHARGE LIMITATIONS –

<u>Parameter</u>	<u>Value</u>	<u>Basis</u>
Flow	0.0705 MGD	Design
BOD	30 mg/l	Technology
NH3-N	3 mg/l	WLA
Minimum DO	6.0 mg/l	WLA
TSS	30 mg/l	Technology
Chlorine, Total Residual	0.011 mg/l	MSWQS
E. Coli	126 Col./100mL	MSWQS
pH	6.0 to 9.0 S.U.	MSWQS
Total Nitrogen	Report lbs/day	WLA
Total Phosphorus	Report lbs/day	WLA

Minimum and maximum values for influent pH, dissolved oxygen in the aeration basin, and 30-minute sludge settleability in the aeration basin must also be reported.

MDEQ received an antidegradation report on August 17, 2020 for a proposed 0.0705 MGD discharge to serve an RV park and campground into an unnamed tributary of the Bogue Chitto. The review of the antidegradation report was completed on September 23, 2020.

The Office of Pollution Control must concur with plans and specifications for the installation or modification of the wastewater treatment facility and sewer collection system prior to the commencement of construction. After the completion of the project, the permittee must, through a letter signed by a professional engineer, certify to the Office of Pollution Control that the project has been constructed in accordance with submitted plans and specifications. If any changes to the initially reviewed plans and specifications are made, "as-built" drawings with a list of all changes must also be submitted