DRAFT PERMIT RATIONALE FOR REISSUANCE

Boondock Eddies LLC

Wayne County

Waynesboro, Mississippi

Water NPDES No. MS0055328

June 16, 2022

1. FACILITY INFORMATION

Facility Name: Boondock Eddies LLC

Facility Address: 11 County Lake Denham Road

Waynesboro, MS 39367

Waynesboro,

Permit No.: MS0055328

SIC: 5812

Permit Writer: Rusty Parrish

EPD Branch: Water II Branch

1. NATURE OF BUSINESS

Boondock Eddies LLC operates as a restaurant.

1. EFFLUENT AND RECEIVING STREAM FLOW DATA

Outfall 001 discharges an average of 0.002 MGD of domestic sanitary wastewater into Patton Creek (7Q10 = 0.37 cfs).

1. TYPE OF WASTEWATER TREATMENT

Domestic wastewater is collected and treated via two aerobic treatment units (ATU).

1. 303(d) and TOTAL MAXIMUM DAILY LOADS (TMDLs) ISSUES

Patton Creek does not appear on the Mississippi 2022 List of Impaired Water Bodies. The following TMDLs are applicable:

* Nutrients (Organic Enrichment, Total Phosphorus, and Ammonia Toxicity) – Chickasawhay River – Greene and Wayne Counties – June 2005; ID: 405063008
* Sediment – Pascagoula River Basin – May 2005; ID: 405051703
* DDT and Toxaphene – Pascagoula River Basin – January 2004 – ID: 404011301
* Fecal Coliform – Chickasawhay River – Clarke, Wayne, and Greene Counties
* Mercury – Pascagoula River – Pascagoula River Basin – March 2005; ID: 405031801
* Fecal Coliform – Pascagoula River – Pascagoula River Basin – December 1999; ID: 499121505

1. EPA APPLICABLE CATEGORICAL GUIDELINES

There are no EPA applicable categorical guidelines.

VII. DATA FROM MISSISSIPPI SMALL DOMESTIC NPDES APPLICATION

Application testing waiver was requested and approved.

1. PROPOSED FINAL LIMITATIONS

Outfall 001

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Parameter | Current Permit Limit (CPL) | | Present Permit Limit (PPL) | | Basis |
| Average | Maximum | Average | Maximum |
| Flow | 0.002 MGD | Report | 0.002 MGD | Report | Design |
| pH | 6.0 SU (min) | 9.0 SU | 6.0 SU (min) | 9.0 SU | MSWQS |
| Chlorine | 0.1 mg/L (min) | 1.0 mg/L | 0.1 mg/L (min) | 1.0 mg/L | DG |
| E. coli | 126 col./100 mL | 410 col./100 mL | 126 col./100 mL | 410 col./100 mL | MSWQS |
| BOD5 | 30 mg/L | 45 mg/L | 30 mg/L | 45 mg/L | DG |
| TTS | 30 mg/L | 45 mg/L | 30 mg/L | 45 mg/L | DG |

DG = Domestic Guidelines; MSWQS = Mississippi Water Quality Standards

Total residual chlorine and flow shall be monitored weekly; chlorine shall be tested via grab sampling, and flow shall be tested via instantaneous sampling. E. coli, Biochemical Oxygen Demand, 5-day (BOD5), pH, and Total Suspended Solids (TSS) shall be monitored annually via grab sampling. Analytical results shall be submitted annually.

E. coli replaced fecal coliform bacteria as the bacterial indicator in the MSWQS.