PERMIT RATIONALE FOR REISSUANCE

Corner Fuel Center LLC

3984 US Highway 48 South, Hattiesburg

Forrest County, Mississippi

Water NPDES No. MS0049425

March 10, 2021

EPD Branch: Water II Branch Permit Writer: Becky Williams SIC Code: 5989

1. NATURE OF BUSINESS

A retail fueling facility where trucks are refueled.

1. EFFLUENT AND RECEIVING STREAM FLOW DATA

Wastewater from windshield and truck washing discharges into a ditch then into Braiden Creek.

1. APPLICALBLE 303(d) LISTINGS AND TOTAL MAXIMUM DAILY LOADS (TMDLs)

This permit complies with the following TMDLs:

Fecal Coliform – Pascagoula River – Pascagoula River Basin – December 1999 – ID# 499121505

Phase I Mercury – Pascagoula River – Pascagoula River Basin – March 2005 – ID# 405031801

1. TYPE OF WASTEWATER TREATMENT

 Sedimentation followed by Oil and Water Separation.

1. EPA APPLICABLE CATEGORICAL GUIDELINES

None

1. DATA FROM MISSISSIPPI SMALL DOMESTIC NPDES APPLICATION

Application testing waiver was requested and approved.

VII. PROPOSED FINAL LIMITATIONS

1. Average Permit Limitations

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Parameter** | **Water Quality Limitation** | **Current Permit Limitation (CPL)** | **Proposed Permit Limitation (PPL)** | **Basis** |
| Flow | --- | Report | Report | CPL |
| pH | 6.0 SU | 6.0 SU | 6.0 SU | MSWQS |
| Oil & Grease | 1/ | 10 mg/L | 10 mg/L | 2/ |
| Total Suspended Solids | ----- | 30 mg/L | 30 mg/L | 2/ |
| Benzene | ----- | 0.05 mg/L | 0.05 mg/L | 3/ |
| Total BETX | ----- | 0.075 mg/L | 0.075 mg/L | 3/ |

1. Maximum Permit Limitations

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Parameter** | **Water Quality Limitation** | **Current Permit Limitation (CPL)** | **Proposed Permit Limitation (PPL)** | **Basis** |
| Flow | --- | Report | Report | CPL |
| PH | 9.0 SU | 9.0 SU | 9.0 SU | MSWQS |
| Oil & Grease | 1/ | 15 mg/L | 15 mg/L | 2/ |
| Total Suspended Solids | ----- | 45 mg/L | 45 mg/L | 2/ |
| Benzene | ----- | 0.075 mg/L | 0.075 mg/L | 3/ |
| Total BETX | ----- | 1.12 mg/L | 1.12 mg/L | 3/ |

MSWQS = Mississippi Water Quality Standards

1/No Visible Sheen

2/Proposed permit limits for Oil and Grease and Total Suspended Solids are comparable to limits placed in similar permits in the State of Mississippi.

3/EPA Model Permit for UST Cleanups

All parameters shall be sampled monthly. Flow shall be measured instantaneously with all other parameters being sampled utilizing a grab sample of the effluent.

Total BETX shall be measured as the sum of benzene, ethylbenzene, toluene, and xylenes. EPA Methods 602, 624, 1624 or an equivalent approved method shall be used for the measurement of benzene, ethylbenzene and toluene. EPA Methods 8240, 8020 or an equivalent approved method, shall be used for the measurement of xylene including ortho-, meta-, and para-xylene.