STATE OF MISSISSIPPI
SOLID WASTE MANAGEMENT PERMIT

TO OPERATE A SOLID WASTE MANAGEMENT FACILITY IN ACCORDANCE WITH THE REGULATIONS GOVERNING SOLID WASTE MANAGEMENT

THIS CERTIFIES THAT

MC Environmental, LLC

has been granted permission to operate a solid waste management facility

located at
Columbia-Purvis Road
Columbia, Mississippi
in Section 18, Township 3 North, Range 17 West
of Marion County

under the name of

MC Environmental Class I Rubbish Facility

This permit is issued in accordance with the provisions of the Mississippi Code Annotated, and the regulations and guidelines adopted and promulgated thereunder

MISSISSIPPI ENVIRONMENTAL QUALITY PERMIT BOARD

Mark Williams

AUTHORIZED SIGNATURE
MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY

Issued: **April 21, 2022**
Expires: **March 31, 2032**

Permit No. SW0460020606

80553 PER20210001

CONDITIONS

A. EFFECT OF PERMIT

The permittee shall operate the solid waste management facility in accordance with the Mississippi Nonhazardous Solid Waste Management Regulations (11 Miss. Admin. Code Pt. 4, Ch. 1), applicable federal regulations, and conditions of this permit. Any changes, alterations, or modifications of the above referenced regulations which pertain to any condition of this permit shall supersede and replace the affected conditions of this permit. In such instances, the permittee shall comply with the altered condition(s) of the Mississippi Nonhazardous Solid Waste Management Regulations.

B. PERMIT ACTIONS

This permit may be modified, revoked, and/or reissued for good cause or noncompliance with the terms and conditions of the permit. The filing of a request for a permit modification, revocation and reissuance, or termination or the notification of planned changes or anticipated noncompliance on the part of the permittee does not stay the applicability or enforceability of any permit condition.

C. SEVERABILITY

The provisions of the permit are severable, and if any provision of this permit or the application of any provision of this permit to any circumstance, is held invalid, the application of such provision to other circumstances, and the remainder of this permit shall not be affected thereby.

D. DUTIES AND REQUIREMENTS

1. Duty to Comply. The permittee shall comply with all conditions of this permit. Any permit noncompliance constitutes a violation of the solid waste law and regulations promulgated thereunder and is grounds for enforcement action, permit termination, revocation, reissuance, or modification, or for denial of a permit renewal application.

2. Duty to Reapply. If the permittee wishes to continue an activity authorized by this permit after the expiration date of this permit, the permittee must submit a complete application for a new permit at least 180 days before this permit expires.

3. Duty to Mitigate. The permittee shall take all reasonable steps to minimize, prevent, or correct any adverse impact on human health or the environment resulting from noncompliance with this permit.

4. Proper Operation and Maintenance. The permittee shall at all times properly operate and maintain all equipment and systems which are installed or used by the permittee to achieve compliance with the conditions of this permit and application as submitted and approved by the Department of Environmental Quality (Department).

5. Duty to Provide Information. The permittee shall furnish to the Department, within a reasonable time, any relevant information which the Department may request to determine whether cause exists for modifying, revoking, reissuing, or terminating this permit or to determine compliance with this permit.

6. Inspection and Entry. The permittee shall allow an authorized representative of the Department upon the presentation of credentials and other documents as may be required by law to:

   a. Enter on the permittee's premises where a regulated activity is located or conducted, or where records must be kept under the conditions of this permit;

   b. Have access to and copy at reasonable times any records that must be kept under the conditions of this permit;

   c. Inspect at reasonable times any facilities, equipment, practices, or operations regulated or required under this permit;

   d. Sample or monitor at reasonable times for the purposes of assuring permit compliance.

7. Property Rights. It is the responsibility of the permittee to possess and maintain a sufficient interest in or right to the use of the properties describes in this permit, including the access route(s).

   The issuance of this permit does not convey any property rights or interest in either real or personal property; nor does it authorize any injury to private property, invasion of personal rights, or impairment of previous contract rights; nor any infringement of Federal, State, or local laws or regulations outside the scope of authority under which this permit is issued.

8. Anticipated Noncompliance. The permittee shall give written notice to the Department at least thirty (30) days in advance of any planned changes in the permitted facility or activity which may result in noncompliance with the requirements of this permit or the Mississippi Nonhazardous Solid Waste Management Regulations.

9. Modification of Permits. Any proposed modification to the approved application or plan of operations resulting in an expansion of the facility or a significant change in the method of waste management must be approved by the Mississippi Environmental Quality Permit Board or the Board's Designee prior to implementation. Other proposed modification to the approved facility design or operations must be approved by the Department prior to implementation.

10. Transfer of Permits. This permit is not transferable to any person except after notice to and approval of the Mississippi Environmental Quality Permit Board. The Permit Board may require modification or revocation and reissuance of the permit to change the name of the permittee and incorporate such other requirements as

may be necessary.

11. Signature Requirements. The permittee shall ensure that an application for the re-issuance, modification or transfer of this permit and all reports required by this permit or by state regulations shall be signed in accordance with Rule 1.2.G of the Mississippi Nonhazardous Solid Waste Management Regulations.

12. Contract Operator. If the permittee executes a contract with a private entity to operate the rubbish site, a complete disclosure statement for the contractor shall be submitted and approved by the Permit Board or the Permit Board's Designee as set forth in state law and regulations prior to the contractor beginning operations.

E. SITE PREPARATION AND CONSTRUCTION REQUIREMENTS

1. The permittee shall ensure that the site preparation and construction activities are conducted in accordance with the Mississippi Nonhazardous Solid Waste Management Regulations and the approved plans, unless otherwise approved by the Department.

2. The permittee shall ensure that the construction of the components of the rubbish site is conducted by qualified and experienced personnel.

3. The permittee shall ensure that the approved disposal area is limited to the area defined in the application, consisting of a total of approximately 11 acres located in Section 18, Township 3 North, Range 17 West of Marion County.

4. The permittee shall ensure that any open burning of on-site land clearing debris, if necessary, is conducted in accordance with the following:

   a. Open burning shall be conducted in a manner that precludes off-site public nuisance conditions and shall comply with the buffer distances, management conditions, and allowable days defined by 11 Miss. Admin. Code, Pt. 2, R. 1.3.G;

   b. A setback of at least 100 yards shall be maintained between burn piles and any active or filled portions of the disposal area; and

   c. Open burning shall be conducted in compliance with all applicable local laws, ordinances, and/or regulations.

5. The permittee shall ensure that all rubbish disposal areas recognized by this permit action are prepared and constructed in accordance with the following conditions:

   a. Prior to construction, all borings drilled on the site in preparation of the permit application, which will not be converted to monitoring or supply wells, will be properly sealed in accordance with the requirements of the Office of Land and Water Resources of the Mississippi Department of Environmental Quality.

b. Prior to construction or preparation of a new disposal cell at the site, the cell boundaries shall be appropriately located and marked by a land surveyor licensed by the State of Mississippi to ensure construction within the approved area. Property line setback distances as indicated in the permit application shall be established and maintained.

c. The permittee shall notify the Department of an approximate construction schedule at least two weeks prior to beginning construction or preparation activities for a new disposal cell.

d. For the development of the disposal cells, the excavation of any overburden shall not occur below the subgrade elevations approved in the construction plan. Excavation shall be conducted in a manner that preserves the minimum geologic separation thickness of five (5) feet of naturally occurring soils between the uppermost aquifer and the base of the liner.

e. The storm water management system shall be constructed as per the approved plans; prior to the site preparation work or placement of any waste and in such a manner as to inhibit erosion, prevent loss of sediment from the site, and minimize storm water contact with the waste.

6. At least two weeks prior to the placement of rubbish in a newly constructed cell, the permittee shall notify the Department that the cell has been developed in compliance with the approved design plans.

7. Disposal Area Boundary Markers:

a. The permittee shall ensure that disposal area boundaries, including constructed cell boundaries, are clearly marked and maintained throughout the life of the facility. Placement of the permanent disposal area boundary markers shall comply with the following:

1. The markers shall be at least three (3) feet in height;

2. The markers shall be constructed of concrete posts, metal pipes, weather treated wood posts, metal fence posts or other suitable marker materials as approved by the Department;

3. The markers shall be placed in the ground at sufficient depth to facilitate permanence.

4. The permittee shall inspect the boundary markers monthly and repair or replace markers that have been damaged or inadvertently removed from the disposal boundary.

5. If markers are replaced, marker locations shall be re-established by a Professional Surveyor, registered with the State of Mississippi, and the

certified survey indicating the locations and GPS coordinates of the permanent markers with a cover letter shall be submitted to the Department within five (5) working days of installation.

b. The permittee shall ensure that the buffer distances to property lines and other receptors and other appropriate location restrictions are maintained as indicated in the approved application, unless otherwise approved by the Department.

F. SITE SPECIFIC OPERATING CONDITIONS

1. The permittee shall ensure that the facility is operated in accordance with applicable regulations and the approved plan of operation, unless otherwise approved by the Department.

2. The permittee shall ensure that the service area of the facility is consistent with the approved service area described in the Marion County Solid Waste Management Plan. Solid waste generated in areas not within the approved service area shall be prohibited from disposal.

3. The permittee shall ensure that disposal of waste within the approved disposal area is limited to the following acceptable rubbish wastes:

   a. Construction and demolition debris, such as wood, metal, etc.;

   b. Brick, mortar, concrete, stone, and asphalt;

   c. Cardboard boxes;

   d. Natural vegetation, such as tree limbs, stumps, and leaves;

   e. Appliances (other than refrigerators and air conditioners) which have had the motor removed;

   f. Furniture;

   g. Plastic, glass crockery, and metal, except containers;

   h. Sawdust, wood shavings, and wood chips; and

   i. Other similar wastes specifically approved by the Department.

4. The permittee shall obtain authorization from the Department prior to the disposal of any industrial solid wastes or other rubbish wastes possessing special characteristics that is not clearly authorized for disposal in Conditions F.3.

5. The permittee shall ensure that the following wastes are prohibited from disposal at this facility:

   a. Any acceptable waste which has been contaminated by a pollutant, such as a food or chemical, unless it can be demonstrated to the satisfaction of the Department that such waste has no adverse effect on the environment;

   b. Electronic wastes such as televisions, computers, and other similar items;

c. Household garbage and other food and drink waste;

d. Liquids, sludges, and contaminated soils;

e. Paint, paint buckets, oil containers, and chemical containers;

f. Engines, motors, whole tires, and all types of batteries;

g. Toxic, hazardous, or radioactive waste;

h. Regulated asbestos and asbestos containing material originating from a facility, as defined by the National Emission Standards for Hazardous Air Pollutants (40 CFR 61, Subpart M);

i. Medical waste;

j. Bulk fabric and paper loads, refrigerators, air conditioners, cut or shredded tires, and any metal, glass, plastic, or paper container, unless specifically approved by the Department, shall be prohibited from the disposal area. The Department shall consider the characteristics of the waste, the operating plan of the site, and other site-specific conditions in determining the acceptability of any such waste; and

k. Other wastes, which are specifically determined by the Department to have an adverse effect on the environment if disposed as rubbish.

6. The permittee shall implement and maintain adequate security and monitoring measures to prevent uncontrolled access and disposal. An attendant shall be on duty at any time access to the site is unsecured.

7. The permittee shall establish and maintain a site operator with a certificate of competency issued by the Commission in accordance with the Regulations for the Certification of Operators of Solid Waste Disposal Facilities. Such person shall have direct supervision over and be personally responsible for the daily operation and maintenance of the facility.

   In the event of the temporary loss of a certified operator for a legitimate cause, written notice shall be given to the Department within 7 days. Continued operation without a certified operator may continue on an interim basis for a period not to exceed 180 days, except for good cause shown upon petition to the Commission.

8. The permittee shall ensure that incoming and unauthorized waste shall be managed accordingly:

   a. Prior to disposal and unloading of each load, the operator or a designated, trained spotter shall visually inspect the load and remove any unauthorized wastes from the load.

   b. Incoming waste loads containing significant amounts of unauthorized wastes shall be refused disposal at the site.

   c. After unloading, all unauthorized wastes identified in the disposal area must be

immediately removed and properly disposed at an authorized disposal facility or placed in a waste receptacle for later transfer.

d. Wastes enclosed within bags or cardboard boxes shall be subject to random inspections to prevent the disposal of unauthorized wastes within the approved disposal area.

9. The permittee shall ensure that at least six (6) inches of earthen material are applied to the wastes at least once every two (2) weeks. The earthen cover should be applied as specified in the approved plan of operation. However, the permittee may be required to alter the frequency of the cover, by the Department, to maintain compliance, depending upon the amount or type of wastes received and/or other conditions at the site.

10. The permittee shall ensure that unloading and disposal of the rubbish waste are controlled by the operator and that rubbish disposal is confined to as small an area as practical for the daily operations.

11. The permittee shall operate the facility in a manner that minimizes windblown litter and prevents vector attraction. Windblown and scattered litter and debris around the disposal site and along the property access roads shall be collected at the end of every operating day and returned to the active working area for proper disposal or placed in a receptacle for disposal elsewhere as appropriate.

12. The permittee shall ensure that open burning of solid waste, except for land clearing debris generated on the site of the facility, is prohibited. Additionally, the permittee shall develop and implement appropriate fire prevention measures for the facility as described in the approved plan of operations. The permittee shall ensure that the fire prevention measures, at a minimum, include:

a. The prohibition of the open burning of solid waste, except as allowed by Condition E.4;

b. The proper installation, upgrade, and/or maintenance of all fire control equipment, water supplies, or dirt stockpiles as described in the approved plan of operation;

c. Procedures for actions to extinguish fires and limiting the off-site impacts of such fires; and

d. Procedures for notifying the Department of the fire and of the permittee's actions to extinguish the fire. Such notification shall be made by the close of the Department's next business day.

13. The permittee shall ensure that rubbish will not be disposed in standing water, in any waters of the state, nor in any manner that may result in washout of waste. Furthermore, the site shall be developed and contoured to direct storm water run-off/run-on away from the active disposal area and to prevent ponding of water.

14. The permittee shall be responsible for proper training and employment of an adequate number of employees to properly operate and maintain the facility.

15. The permittee shall ensure the availability and proper maintenance of equipment required to properly operate and maintain the facility.

16. The permittee shall ensure that filled areas of the site which have remaining capacity and which will not receive waste within thirty (30) days receive an intermediate cover of twelve (12) inches of earthen material. Any erosion occurring in covered areas shall be promptly repaired. An alternate intermediate cover system may be approved by the Department.

17. The permittee shall ensure that any area where waste has been disposed which has not received waste in the past twelve (12) months is covered in accordance with the closure requirements described in Rule 1.6.E of the Mississippi Nonhazardous Solid Waste Management Regulations and this permit.

G. RECORD-KEEPING AND REPORTING

1. The permittee shall keep an accurate written daily record of each load of solid wastes received at the facility including the following:

   a. The name of the waste hauler;

   b. The source of the waste;

   c. The types of waste received;

   d. The weight of solid waste, measured in tons, received at the facility. If the facility does not have access to weight scales, the facility shall convert to tons from cubic yards using conversion factors as developed or approved by the Department;

   e. Other information associated with the management of solid waste at the facility as directed by the Department.

2. The permittee shall maintain a copy of these records at the rubbish site or at another site approved by the Department. The records shall be made available to the Department for inspection upon request.

3. The permittee shall retain all records associated with the construction and/or operation of the facility for at least five years after the approved closure of the facility.

4. The permittee shall submit an annual report to the Department each year no later than February 28, to include information regarding the facility for the preceding calendar year. At a minimum, the report shall contain the following:

   a. The total amount of waste received at the disposal site during the calendar year, in units of tons,

b. The sources of waste listed by county or origin with a clear indication of waste originating from out-of-state counties; and

c. Estimated remaining capacity at the facility, in terms of acreage, cubic yards, and years remaining.

d. Other information associated with the management of solid waste at the facility as directed by the Department

H. CLOSURE/POST-CLOSURE

1. The permittee shall ensure that within thirty (30) days of completing a disposal area, at least two (2) feet of low permeable earthen cover shall be applied as final cover. Following soil placement, suitable vegetation shall be promptly established and maintained. Any significant areas of erosion occurring on completed disposal areas shall be promptly repaired.

2. The permittee shall ensure that the maximum elevation of the disposal cell, including the final cover system, does not exceed 290 feet above MSL. This maximum height shall be surveyed by a professional land surveyor, registered by the State of Mississippi. The certified survey shall be submitted to the Department upon final closure.

3. The permittee shall ensure that the disposal area final cover gradients are restricted to maximum slopes of 25% and minimum slopes of 4%, unless otherwise approved by the Department.

4. The permittee shall ensure that upon final closure of the site a construction quality assurance report for the final cover system is submitted to the Department. The report shall contain a certification from an independent professional engineer registered in Mississippi that verifies that the final cover complies with the closure requirements of Rule 1.6.E of the Mississippi Nonhazardous Solid waste Management Regulations and the conditions of this permit.

5. The permittee shall conduct post-closure monitoring and maintenance of the rubbish site for a minimum period of 10 years following certification of the final closure of the site, unless otherwise approved by the Department. At a minimum, post closure monitoring and maintenance activities shall include:

   a. Inspections of the final cover system by the permittee at least semi-annually and after any significant storm event impacting the area. Erosion, cracks, ponding, areas of distressed/dead vegetative cover, and similar problems noted during the inspections shall be promptly repaired;

   b. Routine mowing and maintenance of the established vegetative cover to prevent growth of unwanted vegetation, such as trees, that could impact the integrity of the final cover system; and

c. Maintenance of storm water and erosion control systems to limit run-on or run-off from damaging the final cover system or impacting areas any waters of the state.