

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

Applewhite Recycling Systems, LLC

has been granted permission to operate a solid waste management facility

located at

4205 Beasley Road

Gautier, Mississippi 39553

in Section: 27, Township: 7 South, Range: 7 West
of Jackson County

under the name of

Applewhite Recycling Systems, LLC Class I Rubbish Site

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



AUTHORIZED SIGNATURE

MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY

Issued: December 19, 2017

Expires: November 30, 2027

Permit No. SW0300020582

CONDITIONS

A. EFFECT OF PERMIT

The permittee shall operate the solid waste management facility in accordance with the Mississippi Nonhazardous Solid Waste Management Regulations, applicable state and federal regulations, the approved application and the conditions of this permit.

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, 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 Mississippi Code Annotated and regulations promulgated thereunder and is grounds for enforcement action; permit 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 before the expiration date of this permit.
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, or reissuing 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 described 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 the authority under which this permit is issued.
8. Anticipated Noncompliance. The permittee shall give written notice to the Department at least 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 Permit Board or the Board's Designee. The Permit Board may require modification of this permit or revocation and issuance of a new permit to change the name of the permittee and incorporate such other requirements as may be necessary.
11. Disclosure. The permittee shall submit an updated disclosure statement to the Department by February 28 of each year. If all information from the previously submitted disclosure statement is unchanged, a letter stating such may be submitted in lieu of an updated disclosure statement.
12. 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.

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 submitted application consisting of a total of approximately 37.2 acres of the property located in Section 27, Township 7 South, Range 7 West, of Jackson County. The disposal area is divided into two areas consisting of approximately 13.4 acres north of Mary Walker Bayou and approximately 23.8 acres south of Mary Walker Bayou.
4. The permittee shall ensure that any open burning of land clearing debris generated on-site, if necessary, be conducted in accordance with the following:
 - a. Open burning shall be conducted in a manner that precludes off-site public nuisance conditions and that complies 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 any applicable local laws, ordinances, and/or regulations.
5. The permittee shall ensure that each construction phase of the rubbish disposal area north of Mary Walker Bayou is prepared and constructed in accordance with the following conditions. The requirements do not apply to the construction of disposal cells south of Mary Walker Bayou since these cells are constructed.
- 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. 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. No excavation shall occur in the portions of the rubbish disposal area containing the historic, closed waste disposal area.
 - d. The constructed bottom and sidewall liners for the disposal area north of Mary Walker Bayou shall consist of a geosynthetic clay liner (GCL) as described in the approved construction plan, unless an alternate liner design is submitted and approved by the Department. In the portions of the disposal area containing the historic, closed waste disposal area, the permittee shall ensure that at least 2 feet of adequate earthen materials exist prior to placement of the GCL. All surfaces below the GCL shall be compact, smooth, and uniform. After placing the GCL, the permittee shall ensure that at least 24 inches of adequate earthen materials exist on top of the GCL as protective layer prior to waste placement.
 - e. Field tests on the GCL or other disposal cell construction components shall be conducted in accordance to the approved construction quality assurance plan.

- f. The storm water management system shall be constructed as per the approved plans prior to the site preparation work and in such a manner so 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, a construction quality assurance (CQA) report shall be submitted to the Department that demonstrates the liner and sidewall has been constructed in compliance with all applicable sections of the state regulations and approved construction quality assurance plan. The report shall contain a certification from an independent registered professional engineer (registered by the State of Mississippi) that the area has been constructed according to the approved design plans and all applicable sections of the state regulations. The report shall also include field logs, results of testing, subgrade survey, top of liner survey and construction testing methods. Engineering drawings submitted with the report shall contain GPS coordinates of the constructed disposal cell within the total permitted disposal area.
 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 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. Additionally, a 3-foot earthen berm shall be constructed and maintained between the disposal area boundary and delineated wetland areas.

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 Jackson 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 may request approval from the Department for the disposal of an industrial solid waste or other waste that is not clearly authorized for disposal in Section F.3 above but that may possess rubbish characteristics. Approval must be received from the Department prior to acceptance within the disposal area.
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 found must be immediately removed from the disposal area 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 inches of earthen cover are applied to the wastes at least every two weeks. 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 the active rubbish disposal area 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;
 - 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 construct and operate the facility in accordance with any applicable requirements of the U. S. Army Corps of Engineers, the U.S. Fish and Wildlife Service, and the Mississippi Department of Archives and History.
15. The permittee shall be responsible for proper training and employment of an adequate number of employees to properly operate the facility.
16. The permittee shall ensure the availability and proper maintenance of equipment required to properly operate and maintain the facility.
17. The permittee shall ensure that filled areas of the site which have remaining capacity and which will not receive waste within 30 days receive an intermediate cover of twelve inches of earthen cover. Any erosion occurring in covered areas shall be promptly repaired. An alternate intermediate cover system may be approved by the Department.
18. 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 facility 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 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 cells, including the final cover system, does not exceed 72 feet above MSL north of Mary Walker Bayou and 96 feet above MSL south of Mary Walker Bayou. 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 by the State of 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.
5. The post closure monitoring period for the rubbish site shall be a minimum of 10 years following certification of the final closure of the site, unless otherwise approved by the Department. At a minimum, post closure monitoring activities shall include:
 - a. semi-annual inspections of the final cover system by the permittee. Erosion, cracks, ponding, 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.
 - c. maintenance of storm water and erosion control systems to limit run-on or run-off from damaging the final cover system or impacting the nearby wetland areas.