

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

GreenServ Sterilization, LLC

has been granted permission to operate a solid waste management facility

located at

50 County Road 166

Oxford, Mississippi

in Sections 5 and 8, Township 8 South, Range 3 West
of Lafayette County

under the name of

GreenServ Sterilization Medical Waste Processing 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

DRAFT

AUTHORIZED SIGNATURE

MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY

Issued:
Expires:

Permit No. SW0360050585

CONDITIONS

A. EFFECT OF PERMIT

The permittee shall operate the solid waste management facility in accordance with the Mississippi Nonhazardous Solid Waste Management Regulations (Regulations), other applicable state and federal regulations, the approved application, and the 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 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, 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 days 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 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 Regulations.

E. SITE SPECIFIC OPERATING CONDITIONS

1. The permittee shall operate the facility in accordance with the approved plan of operations. The permittee shall submit any proposed modifications to the plan of operation in writing to the Department for approval, prior to implementation of any changes.
2. The permittee shall ensure that the operation of the facility is consistent with the approved service area described in the Three Rivers Regional Solid Waste Management Plan. Solid waste generated outside the approved service area for the facility shall not be accepted.
3. The permittee is authorized to accept and process the following wastes in accordance with the approved plan of operation:
 - a. Infectious medical wastes – which include solid and liquid wastes that may contain pathogens with sufficient virulence and quantity such that exposure to the waste by a susceptible host has been proven to result in an infectious disease as defined by the Mississippi State Department of Health (15 Miss. Admin. Code Pt. 16, Subpart 1) and/or the appropriate public health agency in the state of origin. Infectious medical wastes may include pathological wastes, such as tissues, organs, body parts, and body fluids that are removed during surgery and autopsy.

- b. Medical wastes – which include those wastes generated in direct patient care or in diagnostic or research areas that are non-infectious and non-hazardous, but may be aesthetically repugnant if found in the environment.
- c. Non-hazardous, non-controlled pharmaceutical waste – which include non-hazardous pharmaceuticals but does not include hazardous wastes or controlled substances.
- d. Associated medical facility wastes – which include other small amounts of solid wastes derived indirectly from patient care, diagnostic or research activities. Such wastes may include packaging and labeling wastes, empty containers, cardboard, scrap paper, and other similar wastes.

All wastes referenced in Conditions E.3.a.-d. of this permit will henceforth be referred to as “authorized wastes”.

- 4. The permittee shall ensure that the acceptance of unauthorized wastes at the facility is prohibited. Unauthorized wastes include any waste that is not described above or otherwise approved. These unauthorized wastes include but are not limited to, the following:
 - a. Hazardous waste as defined by and subject to the Mississippi Hazardous Waste Management Regulations and Subtitle C of the Federal Resource Conservation and Recovery Act.
 - b. Wastes containing regulated quantities or concentrations of radionuclides or radioactivity.
- 5. The permittee shall implement a program to ensure that incoming loads of authorized waste are appropriately labeled and containerized. All waste transport vehicles entering the facility shall be operated by properly licensed medical waste transporters (where required) and carry current United States Department of Transportation (USDOT) registration papers. The contents of each vehicle should be inspected prior to offloading to insure the wastes are adequately contained and appropriate for treatment.
- 6. The permittee shall process all authorized wastes within 72 hours of delivery to the facility, except as allowed in Part E.7.b of this permit.
- 7. The permittee shall ensure that the storage of all incoming, authorized waste and all processed waste is conducted in a manner consistent with the approved plan of operations and limited to the approved storage areas defined in the submitted application.

- a. The permittee shall ensure that the maximum storage limit for authorized wastes does not exceed the 72-hour processing rate of the facility's approved sterilization system.
 - b. If site operations dictate that temporary storage of untreated, authorized waste is necessary beyond 72 hours, the wastes shall be stored in a secured, enclosed, and refrigerated structure at or below 38°F until processed.
 - c. If the facility reaches the untreated waste storage capacity, then all incoming wastes shall be diverted to other approved facilities until storage capacity is available, unless otherwise approved by the Department.
 - d. The permittee shall ensure that the storage of treated wastes shall not exceed 160 cubic yards (four (4) full compaction unit roll-off containers), unless otherwise approved by the Department.
8. The permittee shall maintain adequate security and monitoring to prevent unauthorized access to the facility.
 9. The permittee shall ensure that all working surfaces that routinely come into contact with authorized waste are adequately cleaned and sterilized at least monthly by exposure to an approved chemical sterilizer or other approved sterilization process. If untreated wastes are spilled, the area shall be promptly cleaned and sterilized by exposure to an approved chemical sterilizer or other approved sterilization process.
 10. The permittee shall ensure that the waste treatment process attains a minimum temperature of 250° F and the processing time be a minimum of 30 minutes, except for pathological wastes. For pathological wastes, the permittee shall ensure that the waste treatment process attains a minimum temperature of 250° F and the processing time be a minimum of 60 minutes. If the temperature falls below 250° F at any time during the process, the process shall be restarted for the entire required processing time once the operating temperature exceeds 250° F.
 11. The permittee shall implement a Quality Assurance/Quality Control (QA/QC) program at the facility which minimally meets the requirements of the Mississippi State Department of Health regulations (15 Miss. Admin. Code Pt. 16, Subpart 1) to assure adequate sterilization conditions. In addition, the QA/QC program will include the following provisions:
 - a. The indicating thermometer monitoring system shall be checked and recorded during each complete treatment cycle to ensure attainment of proper temperature and time requirements to achieve sterilization of

the entire load.

- b. Indicating thermometers shall be checked for calibration at least annually.
 - c. A biological indicator shall be placed at the center of a load processed under standard operating conditions at least monthly to confirm the attainment of adequate sterilization conditions. The biological indicator to be utilized is *Bacillus stearothermophilus* with a mean population of 1×10^5 organisms per vial.
- 12. The permittee shall dispose of treated wastes at a permitted municipal solid waste landfill or other equivalent disposal facility in accordance with the approved plan of operation. Prior to changing the approved treated waste disposal plans, the permittee shall submit a written notice to the Department.
 - 13. The permittee shall ensure that regulated pressure vessels are installed, maintained, and certified in accordance with the Mississippi Department of Health Boiler and Pressure Vessel Safety Act and Rules and Regulations. A copy of the initial certification of the pressure units should be provided to the Department prior to waste acceptance.
 - 14. The permittee shall conduct a comprehensive maintenance check on all processing equipment at least annually to assure adequate treatment of wastes and to prevent potential downtime of the facility.
 - 15. The permittee shall ensure that any and all contaminated liquid at the facility resulting from the cleaning of the processing equipment, facility floor, authorized waste storage carts/containers, and other such surfaces which may have come into contact with authorized waste is collected and properly disposed of through the City of Oxford's wastewater treatment system, unless an alternative wastewater treatment facility is approved or otherwise determined necessary by the Department.
 - 16. The permittee shall ensure that no contaminant will be allowed to enter any waters of the State as a result of rainfall runoff or other discharge from the facility, which would cause a violation of any water quality standard established by the Department.
 - 17. The permittee shall ensure that inadvertent litter is collected and properly disposed on a daily basis in order to maintain the property in a sanitary manner.
 - 18. The permittee shall implement the fire prevention/protection plan described in the approved permit application to ensure the facility is

operated in a manner that precludes the potential for fires. This plan shall include the prohibition of open burning of wastes at the site. Should an accidental fire occur, the permittee shall take immediate action to extinguish the fire and shall notify the Department by the close of the Department's next business day.

19. The permittee shall ensure that all personnel are provided with appropriate personal protection equipment (PPE). PPE shall be required where a potential for exposure to infectious or injurious materials exists. PPE shall be replaced, repaired, cleaned, laundered, and/or disposed as needed by the permittee to maintain the safety and effectiveness of the PPE.
20. The permittee shall ensure that all employees involved in the handling and management of authorized waste shall receive thorough training as described in the approved plan of operation. The Department shall be immediately notified should an employee contract an illness, disease, infection, or other condition accredited to contact with wastes in the employment/operations of the facility.

F. RECORDKEEPING AND REPORTING REQUIREMENTS

1. The permittee shall complete a waste manifest for each load of authorized waste transported to the facility. The permittee shall retain one copy of the completed manifest and shall provide the transporter with at least one copy of the completed manifest. The Department shall have access to wastes manifests for review.
2. The permittee shall keep an accurate written daily record of deliveries of authorized wastes to the facility including the following:
 - a. The name of the waste hauler;
 - b. The source(s) of the waste;
 - c. The types of waste received;
 - d. The weight of solid waste, measured in tons, received at the facility. Facilities that do not have access to weight scales shall convert to tons from cubic yards using conversion factors as developed or approved by the Department; and
 - e. Other information associated with the management of solid waste at the facility as directed by the Department.

3. The permittee shall maintain records of routine maintenance, inspections and training. Such records shall be available for review by the Department upon request.
4. The permittee shall submit an annual summary report to the Department by February 28 for the preceding calendar year. At a minimum, the report shall include the following:
 - a. the total amount of authorized waste received and treated at the facility during the calendar year, in units of tons;
 - b. the source of wastes listed by county of origin with a clear indication of wastes originating from out-of-state counties and/or parishes;
 - c. a summary of QA/QC test results for the sterilization equipment and/or treated authorized wastes in the reporting year;
 - d. an updated disclosure statement for the permittee or contract operator (if applicable). If all information from the previously approved disclosure statement is unchanged, a letter stating such may be included in lieu of an updated disclosure statement;
 - e. a copy of relevant updated or renewed permits, licenses, or certifications (e.g. boiler certification) obtained in the calendar year required by the Mississippi Department of Health, the Mississippi Department of Transportation, or other state or federal agencies to operate this facility; and
 - f. other information associated with the management of solid waste at the facility as directed by the Department.

E. CLOSURE REQUIREMENTS

At least 60 days prior to the closure of this facility, a written closure plan describing the actions necessary to remove and properly dispose of all wastes and to deactivate and close the facility shall be submitted to the Department.