



SCOTT A. THOMPSON  
Executive Director

OKLAHOMA DEPARTMENT OF ENVIRONMENTAL QUALITY

KEVIN STITT  
Governor

August 25, 2020

Mr. Joseph Wignarajah  
Oklahoma Medical Waste Disposal  
PO Box 1833  
Tulsa, OK 74101

Re: Tier III Solid Waste Permit  
OK Medical Waste Disposal  
Oklahoma County  
Permit No. 3555068

Dear Mr. Wignarajah:

The Oklahoma Department of Environmental Quality (DEQ) initially received an application for a Tier III solid waste permit for a new commercial regulated medical waste processing facility on February 3, 2020, with supplemental information submitted on February 12, 2020 and March 23, 2020. The application was prepared by A&M Engineering on behalf of OK Medical Waste Disposal, LLC. The "Application Notice of Filing" was published in the *Choctaw Times* on February 5, 2020. There was no request for a process meeting. DEQ determined the application to be administratively complete on March 2, 2020.

The application was determined to be technically complete by DEQ, with a Draft Solid Waste Permit issued on April 21, 2020. The "Notice of Draft Permit" was published in the *Choctaw Times* on April 29, 2020, initiating a 30-day public comment period and opportunity to request a public meeting. DEQ received comments from OK Medical Waste Disposal to the Draft Permit on May 12, 2020. The comments identified errors in the draft permit and the revisions are reflected in the proposed permit. No requests for a public meeting were received.

The Proposed Solid Waste Permit was issued on June 30, 2020. "Notice of the Proposed Permit" was published in the *Choctaw Times* on July 15, 2020, initiating a 20-day period for the public to request an administrative hearing. No requests were received.

**Please be advised that DEQ considers your application to be in compliance with the rules and regulations of DEQ and is issuing the enclosed solid waste permit for a new commercial regulated medical waste processing facility. A permit number has been assigned to OK Medical Waste Disposal.**

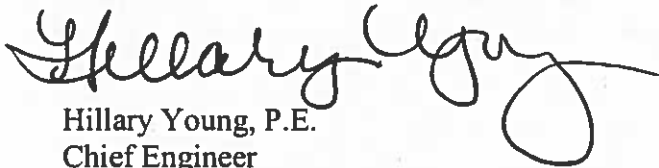
When the approved closure cost estimate is fully funded, please contact DEQ for approval to accept waste. Also, please be reminded of permit condition B(7), which requires submittal of a copy of the completed temporary easement, including the permit number, recorded in the county land records office within 60 days of execution of the permit.



Mr. Joseph Wignarajah  
August 25, 2020  
Page 2 of 2

Should you have any questions, please contact Kaylee Shiplet of my staff at (405) 702-5196 or [Kaylee.shiplet@deq.ok.gov](mailto:Kaylee.shiplet@deq.ok.gov).

Sincerely,

A handwritten signature in black ink, appearing to read "Hillary Young". The signature is fluid and cursive, with a large loop at the end of the last name.

Hillary Young, P.E.  
Chief Engineer  
Land Protection Division

HY/ks

Enclosures: Solid Waste Permit

cc: Orphius I. Mohammad, P.E., A&M Engineering



SCOTT A. THOMPSON  
Executive Director

OKLAHOMA DEPARTMENT OF ENVIRONMENTAL QUALITY

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# SOLID WASTE PERMIT

The Department of Environmental Quality hereby approves the following permit:

**Permit Number:** 3555068  
**Facility:** OK Medical Waste Disposal, LLC  
**Facility Type:** Commercial Medical Waste Processing Facility  
**County:** Oklahoma County  
**Expiration Date:** Upon Department of Environmental Quality Approval of Final Closure

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OK Medical Waste Disposal, LLC, having complied with the requirements of the law, is hereby granted permission to construct and operate a Commercial Medical Waste Processing Facility located at 475 Neil Boulevard, Harrah, Oklahoma. The proposed facility will be built on an approximately 5-acre tract of land owned by OK Medical Waste Disposal, LLC. The tract is located in Lot 3 Block 2 of the Harrah Industrial Park being a part of Section 1, Township 11 North, Range 1 East of the I.M., Oklahoma County, Oklahoma.

The facility will accept, store and treat regulated medical waste to achieve microbial inactivity, as well as process medical marijuana waste, medical records, and non-hazardous pharmaceuticals for disposal. The facility will receive regulated medical waste from generators all over Oklahoma. The medical waste will be accepted in sealed containers, inspected for acceptance, then treated for disposal at an approved landfill. The treated waste will be transported to a permitted municipal solid waste landfill for final disposal.

Accepted waste will be mixed and treated using a BioSAFE STI Series 2000 autoclave, an integrated system of mechanical destruction (shredding) and thermal treatment (sterilization). The autoclave utilizes a shredder to render the waste unrecognizable through size reduction (increased surface area) prior to applying steam and a 2,500-ppm solution of sodium hypochlorite for microbial inactivation. After a minimum residence time of one (1) hour at 205°F - 212°F, the treated waste is discharged from the auger into a top-loading, sealed compactor, which will be transported to an approved municipal landfill for final disposal. Total waste processed through the autoclave per day is estimated to be 4,000 pounds, and a maximum of 48,000 pounds per day. Wastewater from the facility is discharged into the City of Harrah sewer system.

Microbial inactivation is verified by placing self-contained biological indicators (SCBI) into the mixed and shredded waste prior to sterilization. After an incubation period of 24 hours, the biological indicators are checked for growth. No-growth indicates that effective waste treatment has been achieved. If growth is detected, the operating parameters of the BioSAFE STI Series 2000 autoclave will be monitored and the entire system will halt operation and will not resume operation until all



# SOLID WASTE PERMIT (Continued)

systems have been verified as operating within parameters. The waste that produced the microbial growth will be either retreated in the BioSAFE STI Series 2000 autoclave or repackaged and transferred to a facility permitted to accept the regulated medical waste for treatment.

This Permit has been prepared by the Oklahoma Department of Environmental Quality, pursuant to its authority under the Oklahoma Solid Waste Management Act, 27A O.S. § 2-10-101 *et seq.*, and Oklahoma Administrative Code (OAC) 252:515 (Rules) of the Oklahoma Department of Environmental Quality promulgated thereunder. It sets forth conditions and requirements for the construction, operation, maintenance and financial assurance obligations of the OK Medical Waste Disposal regulated medical waste processing facility.

The Permittee is allowed to accept, manage and treat regulated medical waste, as defined in OAC 252:515-1-2, at the Department of Environmental Quality approved commercial regulated medical waste processing facility in accordance with the conditions of this Permit. The facility may also accept, process and dispose of medical marijuana waste (defined in 63 O.S. § 428.1), in addition to roots, stems, stalks, and fan leaves of the marijuana plant; medical records; and non-hazardous pharmaceuticals. Any storage, treatment, and/or disposal of all other wastes not authorized in this Permit are prohibited. Any receipt, storage or disposal of any weight or volume of hazardous waste is strictly prohibited.

This Permit may be further modified, revoked and reissued, or terminated for cause as specified in 27A O.S. § 2-3-502 and OAC 252:4. 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 or any other law providing for protection of public health or the environment from an imminent or substantial endangerment.

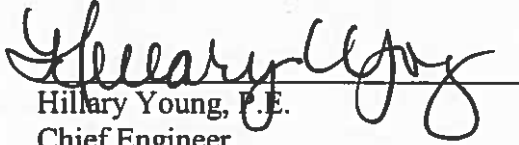
Issuance of this Permit does not convey any property rights of any sort or any exclusive privilege; nor does it authorize any injury to persons or property, any invasion of other private rights, or any infringement of state or local laws or regulations.

The provisions of this Permit are severable. If any part or provision of this Permit or the application of any provision of this Permit to any circumstance is held invalid by a court of competent jurisdiction, the decision of that court or the application of such provision to other circumstances and the remainder of this Permit shall not be affected thereby.

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**The permittee is authorized to operate in conformity with the application submitted to the Land Protection Division on February 3, 2020 with supplemental information submitted on February 12, 2020 and March 23, 2020. Commencing operations under this permit constitutes acceptance of, and consent to, the conditions contained herein.**

# SOLID WASTE PERMIT (Continued)



Hillary Young, P.E.  
Chief Engineer  
Land Protection Division

Date: 8-18-20



for Kelly Dixon  
Director  
Land Protection Division

Date: 8/19/2020



Scott A. Thompson  
Executive Director  
Department of Environmental Quality

Date: 8-19-2020

THIS PERMIT IS BASED ON DATA, DESIGN CRITERIA, PLANS, AND SPECIFICATIONS PRESENTED IN THE OK MEDICAL WASTE DISPOSAL APPLICATION, AS REVISED AND SUPPLEMENTED, WHICH ARE HEREBY APPROVED BY DEQ AND INCORPORATED BY REFERENCE HEREIN. ANY INACCURACIES FOUND IN THE APPLICATION OR SUPPORTING DOCUMENTATION MAY PROVIDE CAUSE FOR POTENTIAL ENFORCEMENT ACTION AGAINST OK MEDICAL WASTE DISPOSAL, LLC AND/OR THE MODIFICATION OR REVOCATION OF THIS PERMIT.

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## OK Medical Waste Disposal

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### A. PERMIT SUMMARY

1. **Name of Site:** OK Medical Waste Disposal
2. **Type of Site:** Commercial Regulated Medical Waste Processing Facility
3. **Name of Applicant, Applicant Representative and Applicant Address:**  
OK Medical Waste Disposal, LLC  
Joseph Wignarajah  
Lonnie McPheter  
PO Box 1833  
Tulsa, Oklahoma 74101
4. **Map and Street Location of Site**  
475 Neil Boulevard  
Harrah, Oklahoma 73045  
Oklahoma County, Oklahoma
5. **Type of Waste(s) to be Accepted:** Regulated Medical Waste as defined in OAC 252:515-1-2 and other wastes including:
  - a. Outdated, off- specification, or mislabeled over-the-counter medicines that are non-hazardous;
  - b. Non-Hazardous Pharmaceutical waste not included above;
  - c. Medical marijuana waste defined in 63 O.S. § 428.1, in addition to roots, stems, stalks, fan leaves, and seeds;
  - d. Medical records or other NHIW that requires the destruction of any personally identifiable information.
6. **Source(s) of Waste:** Regulated Medical Wastes and other wastes identified within the permit received from hospitals, doctor's offices, clinics, veterinary facilities, and medical research facilities; and medical marijuana from processing facilities, dispensaries, growers, and testing laboratories
7. **Estimated Volume of Regulated Medical Waste to be Received:** 4,000 pounds per day or 2 tons, maximum 48,000 pounds per day or 24 tons
8. **Population or Population Equivalent to be Served:** 6,960,000 persons
9. **Number of Acres in Permitted Boundary:** Approximately 5 acres including the 10,000 square feet processing Building and 50 foot buffer zone

## **OK Medical Waste Disposal**

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- 10. Legal Right to Property:** OK Medical Waste Disposal, LLC owns the property on which the proposed facility will be located: 475 Neil Boulevard, Harrah, Oklahoma. The property consists of an approximately 5-acre tract of land located in Lot 3 Block 2 of the Harrah Industrial Park, being a part of Section 1, Township 11 North, Range 1 East of the I.M., Oklahoma County, Oklahoma.
- 11. Location Restrictions:** The facility has met the following: 100-year flood plain, Scenic Rivers, Recreation/preservation areas, endangered or threatened species, public water supply, and wetlands.
- 12. Estimated Active Life of Site Prior to Final Closure:** This Permit shall continue in effect until DEQ approves the final closure. The active life of site may also be influenced or determined by other permits issued to the OK Medical Waste Disposal facility.

### **B. GENERAL CONDITIONS**

- 1. Duty to Comply:** OK Medical Waste Disposal shall comply with the Oklahoma Solid Waste Management Act 27A O.S. § 2-10-101 *et seq.* (Act), the Environmental Quality Code (Code) and Rules promulgated thereunder, OAC 252:515 (Rules), including referenced provisions of the Oklahoma Administrative Code, and all conditions of this permit. Any permit noncompliance constitutes a violation of this permit and is grounds for enforcement action; including permit modification, administrative civil penalties, summary suspension or revocation, and denial of a pending permit application.
- 2. Duty to Apply:** OK Medical Waste Disposal shall apply for a permit modification when such application is required by Oklahoma Administrative Code 252:4 and 515.
- 3. Need to Halt or Reduce Activity Not a Defense:** It shall not be a defense in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit.
- 4. Duty to Mitigate:** OK Medical Waste Disposal shall take all reasonable steps to minimize or correct any adverse impact on the environment and the public health resulting from noncompliance with this permit or site operation.
- 5. Proper Operation and Maintenance:** OK Medical Waste Disposal shall at all times properly operate and maintain all facilities and systems of treatment and control which are installed or used by OK Medical Waste Disposal. Proper operation and maintenance includes effective performance of operations and adequate funding, operator staffing and training, and the provision of appropriate waste-handling equipment.



## OK Medical Waste Disposal

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6. **Duty to Provide Information:** OK Medical Waste Disposal shall also furnish to DEQ, upon its request, copies of records required to be kept by this permit and OAC 252:515. OK Medical Waste Disposal shall furnish to DEQ within a time specified, any information that DEQ may request to determine:
  - a. Whether cause exists for modifying, amending, suspending, or revoking this permit;
  - b. Compliance with this permit; and
  - c. Whether a new or modified permit should be issued.
7. **Temporary Easement:** OAC 252:515-3-34(c) requires OK Medical Waste Disposal, LLC to execute a temporary easement allowing DEQ and/or its contractors the right to access the property to perform closure, post-closure monitoring, or corrective action in the event of default by the owner/operator. The temporary easement in the Application will be completed and recorded at the county land records office upon approval of the permit. OK Medical Waste Disposal shall submit a stamped copy of the recorded easement to DEQ within 60 days of execution of this permit. If a modification of the permit boundary of the facility is required by OK Medical Waste Disposal, the temporary easement must be updated and submitted with an application for a permit modification.
8. **Air Criteria:** OK Medical Waste Disposal shall ensure that it does not violate any applicable requirements of the Oklahoma Clean Air Act, as amended, or rules promulgated thereunder. Under no circumstances will OK Medical Waste Disposal personnel burn solid waste or any other waste at the facility. OK Medical Waste Disposal's equipment emits neither dust nor other emissions that would cause the facility to exceed air quality standards.
9. **Inspection and Entry:** OK Medical Waste Disposal shall allow authorized representatives of DEQ, upon the presentation of credentials as may be required by law, to:
  - a. Enter upon the permitted site or where records required by this permit are kept;
  - 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 site construction, transportation, waste storage, waste processing and waste management operations; and
  - d. Sample or monitor, for the purpose of assuring compliance with this permit, any substances or parameters at any location.
10. **Laboratory Analyses:** Samples and measurements taken for the purpose of monitoring microbial activity shall be representative of the monitored waste. OK Medical Waste Disposal will use microbial inactivity verification methods to ensure treatment standards are met. The methods include placing biological indicators in perforated PVC containers into the shredded waste prior to the one hour of sterilization. The PVC container is removed; then

## **OK Medical Waste Disposal**

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biological indicators will be incubated and monitored for microbial growth. OK Medical Waste Disposal will apply to DEQ for a permit modification if the laboratory method of verifying microbial inactivity requires updating. Microbial inactivation, as defined in OAC 252:515-23-2, is required. All waste loads that fail the microbial inactivity verification method will be re-sterilized.

- 11. Records:** OK Medical Waste Disposal shall keep on file at its commercial regulated medical waste processing facility this permit, the permit application, all modifications to this permit, all modification applications for this permit and copies of all:
  - a. Other permits issued by city, county, state and federal agencies;
  - b. As-built facility construction plans, drawings and specifications;
  - c. Repair and maintenance records;
  - d. All calibration and monitoring data;
  - e. A daily log to record operational information, including the quantity of regulated medical waste received and the quantity of regulated medical waste shipped off-site for disposal;
  - f. A record of all laboratory analyses and results performed to verify microbial inactivity;
  - g. All training records including types of training required, all training received, duration of training, and continuing training;
  - h. Reports filed with DEQ; and
  - i. Closure records
  
- 12. Reporting Requirements:** OK Medical Waste Disposal shall give notice to DEQ as soon as possible of any planned physical alterations or additions to the permitted facility and of any planned changes in the permit or activity that may result in noncompliance with permit requirements. In the event that OK Medical Waste Disposal becomes aware that it failed to submit any relevant facts or submitted incorrect information in the permit application or in any report to DEQ, it shall promptly submit correct facts or information. Failure to make a prompt submission is grounds for an enforcement action and for the modification or revocation of this permit.

All reports, notifications, or other information required by this permit to be submitted to DEQ should be sent to DEQ by verifiable delivery at the following address:

Oklahoma Department of Environmental Quality  
Land Protection Division  
P.O. Box 1677  
Oklahoma City, OK 73101-1677

- 13. Suspended Operations:** Pursuant to OAC 252:515-3-5 (d), OK Medical Waste Disposal may suspend operations with the following actions:
- a. Provide prior written notice to DEQ of the intent to **suspend development or operations**;
  - b. Suspension of development or operations beyond one year in duration requires DEQ approval and annual renewal;
  - c. If site development or operations remain suspended for more than one year, without DEQ approval to continue suspension, the facility is deemed to be in the process of final closure and must perform closure activities in accordance with the approved closure plans; and
  - d. Post full financial assurance in accordance with OAC 252:515-27 and the approved cost estimates.
- 14. Resuming Operations:** If OK Medical Waste Disposal ceases operations, then prior to resuming such operations, the permit must be modified if, in the opinion of DEQ, the permit does not comply with all current laws and regulations.
- 15. Consent to Conditions:** Commencing work under this permit will constitute consent to all permit conditions.

**C. CONSTRUCTION CONDITIONS**

- 1. Construction Authorization:** OK Medical Waste Disposal shall be constructed in accordance with the data, design criteria, plans, and specifications in the permit application, the Act and Rules and the specific conditions set forth in this permit for individual components of construction.
- 2. Construction of Surface Water and Runoff Controls:** OK Medical Waste Disposal shall construct and maintain the site as specified in the permit application. OK Medical Waste Disposal shall operate in a manner that minimizes contact of surface water drainage and runoff from the waste. Sealed compactors for treated waste located outside of the process building will be covered by canopies.
- 3. Certification of Construction:** OK Medical Waste Disposal shall submit to DEQ, by certified mail or hand delivery, a letter, stamped by a Professional Engineer, certifying that the facility is constructed in accordance with the approved plans and specifications.
- 4. Review of Certification of Construction:** DEQ shall review all completion reports and certifications and may conduct an on-site inspection to verify that the construction of the

facility complies with all regulatory and permit requirements.

- 5. Operation of Regulated Medical Waste Processing Facility:** OK Medical Waste Disposal shall not accept waste or commence operation of the commercial regulated medical waste processing facility until DEQ provides written confirmation of an acceptance of the certificate of construction.

**D. OPERATING CONDITIONS**

OK Medical Waste Disposal shall be authorized to operate the BioSAFE STI Series 2000 autoclave continuously (24 hours per day, every day of the year).

- 1. Prohibited Wastes:** OAC 252:515-19-31 and OAC 252:515-23-31 prohibit all wastes except regulated medical waste to be accepted at the OK Medical Waste Disposal facility. OK Medical Waste Disposal shall follow its waste exclusion plan in Tab 3 of the Application. OK Medical Waste Disposal has requested a variance to accept specific types of NHIW (such as medical records, non-hazardous pharmaceuticals), and Medical Marijuana Waste as stated in the Permit Application. The variance is accepted with the following conditions:
  - a. mix the waste streams and process the mixture in the BioSAFE STI Series 2000 regulated medical waste treatment autoclave system;
  - b. verify microbial inactivation as described in Section B.10 above by placing biological indicators into the shredded waste mixture prior to sterilization and monitoring for growth after treatment and an incubation period of 24 hours. No-growth indicates that effective waste treatment has been achieved. If growth is detected, waste that produced the microbial growth will be either retreated in the BioSAFE STI Series 2000 autoclave or repackaged and transferred to a facility permitted to accept the regulated medical waste and medical marijuana waste for treatment.
- 2. Public Access Control (OAC 252:515-19-32):** OK Medical Waste Disposal is surrounded by a six-foot high fence with a locking gate to prohibit unauthorized access to and uncontrolled dumping at the facility. The processing building and office will be locked during non-operating hours.
- 3. Measuring Waste (OAC 252:515-19-33):** All wastes received at OK Medical Waste Disposal shall be measured by weight or by volume, recorded in the operating record, and made available to the DEQ upon request. If scales are installed, they shall be tested and certified annually in accordance with the requirements of the Oklahoma Department of Agriculture, Food, and Forestry.

## **OK Medical Waste Disposal**

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- 4. Disease Vector Control (OAC 252:515-19-37):** OK Medical Waste Disposal shall control disease vectors by cleaning the interior of the processing building on a daily basis. If necessary, OK Medical Waste Disposal will employ a commercial pest control vendor utilizing techniques appropriate for the protection of human health and the environment to control disease vectors.
- 5. Placement of Waste (OAC 252:515-19-38):** OK Medical Waste Disposal shall not allow discharge of any water from the facility that has contacted regulated medical waste. OK Medical Waste Disposal shall maintain a buffer zone of fifty (50) feet between all waste processing and/or handling areas and adjacent property/permit boundary.
- 6. Salvage and Recycling (OAC 252:515-19-39):** OK Medical Waste Disposal is prohibited from salvage and recycling any portion of the regulated medical waste.
- 7. Operating Records and Reporting (OAC 252:515-19-40):** OK Medical Waste Disposal shall maintain the approved operating plan, and all operating records concerning the planning, construction, operation and closing of the facility. OK Medical Waste Disposal shall maintain all records required by OAC 252:515 until the post-closure monitoring period, if necessary, is terminated. Operating Records shall include:
  - a. Repair and maintenance records including:**
    - i.** A log of preventative maintenance including the schedule for preventative maintenance on the BioSAFE STI Series 2000 autoclave. This includes the attached radiation detector;
    - ii.** A log of events when the BioSAFE STI Series 2000 autoclave operation does not meet microbial inactivity standards indicating the cause and all maintenance required; and
    - iii.** A log of events when the BioSAFE STI Series 2000 autoclave is inoperative, indicating the cause and all maintenance required;
  - b.** The maximum amount of waste in storage, refrigerated at a maximum of 45°F, when the BioSAFE STI Series 2000 autoclave is inoperative;
  - c.** The amount of waste not processed within 96 hours and transported to an alternate permitted treatment facility when the BioSAFE STI Series 2000 autoclave is inoperative;
  - d.** The duration of the diversion, if regulated medical waste is diverted to an alternate permitted treatment facility, and the approximate volume diverted;
  - e.** Any waste rejected from the permitted final disposal facility;
  - f.** All calibration and monitoring data;
  - g.** A daily log to record operational information, including the quantity of regulated medical

## **OK Medical Waste Disposal**

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waste received, the quantity of regulated medical waste treated and the quantity of regulated medical waste shipped off-site for disposal;

- h.** A record of all laboratory analyses and results performed to verify microbial inactivity;
- i.** A copy of the operating instructions/procedures shall be permanently and prominently mounted near the BioSAFE STI Series 2000 autoclave; and
- j.** A copy of the Contingency Plan shall be permanently and prominently mounted near the BioSAFE STI Series 2000 autoclave;

The following records shall be retained on-site for a period of at least two years following dates of recording, and shall be made available to regulatory personnel upon request:

- k.** BioSAFE STI Series 2000 autoclave sterilizer water discharge temperatures (continuous when operating);
- l.** Waste weights as charged to the BioSAFE STI Series 2000 autoclave (daily and 12-month rolling total);
- m.** Hours of operation for the BioSAFE STI Series 2000 autoclave.

**8. Applicability and Exclusions (OAC 252:515-23-1):** OK Medical Waste Disposal is a permitted commercial regulated medical waste processing facility involved in the handling, storage, and treatment of regulated medical waste and may be subject to requirements of the federal Occupational Safety and Health Administration (29 CFR 1910.1030), or other federal or state agencies. The management of Animal and Plant Health Inspection Service (APHIS) waste is regulated by the USDA and Customs and Border Protection (CBP). Regulated medical waste appropriate for processing using the BioSAFE STI Series 2000 autoclave shall be treated onsite. Regulated medical waste requiring incineration shall be transferred to an appropriately permitted facility for processing.

**9. Treatment (OAC 252:515-23-4):** OK Medical Waste Disposal shall treat regulated medical waste by steam sterilization using the BioSAFE STI Series 2000 autoclave. The steam sterilization is conducted at sufficient temperature and pressure for a sufficient time to consistently achieve microbial inactivation. Untreated sharps are treated by steam sterilization.

**10. Compacting Prohibited (OAC 252:515-23-5):** OK Medical Waste Disposal does not compact un-treated regulated medical waste. The treated waste (non-regulated medical waste) will be compacted prior to transportation to a permitted final disposal facility.

**11. General (OAC 252:515-23-31):** Decontamination facilities shall be maintained at OK Medical Waste Disposal for use in the event that regulated medical waste contacts personnel.

## **OK Medical Waste Disposal**

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Operators shall use proper Personal Protective Equipment at all times as described in the Application.

- 12. Radiation (OAC 252:515-23-32):** OK Medical Waste Disposal shall maintain the BioSAFE STI Series 2000 autoclave's fixed radiation detector to scan all waste accepted for treatment. Hand-held radiation detectors, capable of detecting radiation sources as small as 0.25 millicuries of Cs137, will be used to scan incoming waste containers upon arrival. The containers are scanned individually and unacceptable containers are immediately returned to the generator. The hand-held radiation detector will be used to manually screen waste when the fixed radiation detectors detect radioactive wastes.
- 13. Contingency Plan (OAC 252:515-23-33):** OK Medical Waste Disposal shall maintain the approved Contingency Plan.
- 14. Emergency Response (OAC 252:515-23-34):** OK Medical Waste Disposal shall maintain the approved emergency response agreement with the City of Harrah.
- 15. Storage (OAC 252:515-23-35):** OK Medical Waste Disposal shall process all wastes or place the wastes into refrigerated storage, at 45°F, within 24 hours of delivery. If processing has not occurred within 96 hours, waste shall be transported to an alternate permitted site.
- 16. Trained Personnel On-site (OAC 252:515-29-3):** Trained personnel shall be on-site during all hours the facility is open to accept regulated medical waste.
- 17. Containers:** After the waste is dumped into the system, the system activates a high temperature spray rinse cycle to clean residual waste left in the container.

### **E. PERSONNEL TRAINING**

OK Medical Waste Disposal shall conduct personnel training. Personnel shall receive training initially, when job functions change and annually. OK Medical Waste Disposal shall maintain training documents and records, for a period of at least three years after termination of employment for all personnel.

Employee training shall be performed as required by the job classifications included in the Training Plan in Tab 6 of the Application. OK Medical Waste Disposal may provide training in the following areas:

- a. Administrative procedures;
- b. Waste exclusion training as required by OAC 252:515-29-3(c);

## OK Medical Waste Disposal

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- c. Bloodborne pathogens as required by 29 C.F.R. 1910.1030;
- d. Proper use and operation of the BioSAFE STI Series 2000 autoclave;
- e. Proper Quality Assurance/Quality Control procedures for performing the STI Chem-Clav process to verify microbial inactivity including all sample processing and biological culture procedures. If OK Medical Waste Disposal determines another test method will be used for verification of microbial inactivity, a Permit Modification application shall be submitted to DEQ including validation data for the proposed test method;
- f. Proper use and operation of the hand-held radiation detector in accordance with the manufacturer's specifications;
- g. Safety training and safety operations;
- h. Accident prevention;
- i. The Contingency Plan; and
- j. All other training listed in the Application, Training Plan or deemed necessary by OK Medical Waste Disposal.

OK Medical Waste Disposal shall instruct all non-employees allowed into the facility in the facility evacuation routes and procedures. All non-employees must be informed of any information required by the permit or the Application.

### **F. INCIDENT REPORTING**

- 1 Twenty-Four Hour Reporting:** OK Medical Waste Disposal shall report to DEQ any noncompliance which may endanger health or the environment. Any such information shall be reported orally within 24 hours from the time OK Medical Waste Disposal becomes aware of the circumstances. The report shall include the following:
  - a. Information concerning release of any waste that may cause an endangerment to public drinking water supplies; Any information of a release or discharge of regulated medical waste, or of a fire or explosion at the facility which could threaten the environment or human health outside the facility.
  - b. The description of the occurrence and its cause shall include:
    - i. Name, address, and telephone number of the owner or operator;
    - ii. Name, address, and telephone number of the facility;



- iii. Date, time, and type of incident;
- iv. Name, quantity and generator of materials involved;
- v. The extent of injuries, if any;
- vi. An assessment of actual or potential hazards to the environment and human health outside the facility;
- vii. Estimated quantity and disposition of recovered material that resulted from the incident; and
- viii. If the occurrence is determined to be a result of faulty equipment, then similar equipment throughout the facility will be replaced to prevent the same occurrence.

**2 Written Incident Report:** A written incident report shall also be submitted to DEQ within five (5) days of the time OK Medical Waste Disposal becomes aware of the incident. The written report shall contain a description of the situation and the cause; the period(s) of the situation (including exact dates and times); whether the situation has been corrected; and, if not, the anticipated time it is expected to continue; and steps taken or planned to reduce, eliminate, and prevent recurrence of the situations. OK Medical Waste Disposal may request DEQ to extend the five-day written notice requirement in favor of a written report within 15 days.

**G. CLOSURE CONDITIONS**

OK Medical Waste Disposal shall close the facility in accordance with the approved closure plan and in a manner that minimizes or eliminates the need for further maintenance and controls. The facility will either clean close the facility or enter post-closure status to minimize the escape of contaminants into the environment.

**1. Closure Cost Estimates:** OK Medical Waste Disposal shall:

- a. Submit closure cost estimates in accordance with OAC 252:515 Subchapter 27 to DEQ for approval;
- b. Submit the estimate(s) in a detailed written estimate(s), in current dollars, of the cost of hiring a third party to close the commercial regulated medical waste processing facility in accordance with the permit, the approved closure plan and OAC 252:515 at any time during its active life;
- c. Calculate the cost estimate to be equal to the cost of closing the facility when the extent and manner of its operation would make closure the most expensive, as indicated by the approved closure plan;

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- d. Increase closure cost estimates and the amount of financial assurance provided if, at any time during the active life, changes to the closure plan or facility conditions increase the maximum cost of closure; and
        - e. OK Medical Waste Disposal must adjust the closure cost estimates annually and submit the revised cost estimate to DEQ for approval no later than April 9<sup>th</sup> of each year unless instructed otherwise by DEQ. If there are no significant changes to the closure plan, the closure cost estimate may be adjusted by use of an inflation factor derived from the most recent "Implicit Price Deflator for Gross National Product" or the "Implicit Price Deflator for Gross Domestic Product" published by the U.S. Department of Commerce. The inflation factors are posted on the DEQ website after February 1<sup>st</sup> of each year.
2. **Closure Plan:** OAC 252:515-25-2 requires OK Medical Waste Disposal to maintain an approved closure plan for the facility. The Closure Plan contained in the Application and the regulations contained in OAC 252:515-25 will be followed for clean closure of the commercial regulated medical waste processing facility.
3. **Timelines:** OK Medical Waste Disposal shall follow the timelines below for notifications and certifications of closure to be submitted to DEQ:
  - a. OK Medical Waste Disposal shall give notification to DEQ at least thirty (30) days prior to closure of the facility.
  - b. Closure activities shall start within ninety (90) days after receiving the last shipment of regulated medical waste at the facility or upon DEQ approval of closure;
  - a. Closure activities shall be completed according to the approved Closure Plan within one hundred eighty (180) days after closure activities are initiated;
  - b. Certification of final closure: Within sixty (60) days after the completion of final closure for the entire site, OK Medical Waste Disposal shall submit to DEQ a notarized statement signed by an authorized representative of OK Medical Waste Disposal, and a certification, signed and sealed by an independent professional engineer registered in the State of Oklahoma, that the site was closed in accordance with the approved closure plan, the permit, and all applicable Rules.
  - c. Closure approval: Final closure of the site must be in accordance with this permit, the approved closure plan, and regulatory requirements and must be approved in writing by DEQ.
4. **Closure Plan Changes:** If OK Medical Waste Disposal proposes to alter the closure plan as set forth in the relevant sections of the Application, OK Medical Waste Disposal shall notify DEQ prior to altering the closure plan and shall apply for a permit modification.
5. **Final Closure:** If DEQ finds that OK Medical Waste Disposal cannot clean - close the

facility, DEQ shall require OK Medical Waste Disposal to enter into post-closure care. DEQ must approve the final closure of OK Medical Waste Disposal before the post-closure period can begin.

**H. FINANCIAL ASSURANCE**

1. Financial assurance will be for the performance cost of closure and for post-closure, and/or corrective action if required by DEQ. OK Medical Waste Disposal shall provide closure cost updates to DEQ for approval:
  - a. If changes occur during the construction of the facility that increase the estimated closure costs above those approved in the Application;
  - b. If circumstances require the facility to establish post-closure, and/or corrective action costs;
  - c. Upon completion of the construction of the facility prior to acceptance of wastes;
  - d. Annually, no later than April 9<sup>th</sup> of each year;
  - e. For the required annual update to the closure cost estimates, OK Medical Waste Disposal may use the methods outlined in by OAC 252:515-27-34(a).; and
  - f. If any changes occur during the operation of the facility that require post-closure and corrective action costs be submitted to DEQ.
2. OK Medical Waste Disposal shall establish financial assurance prior to the initial receipt of waste in accordance with OAC 252:515-27-2(a). OK Medical Waste Disposal shall maintain financial assurance continuously until released from the requirement to maintain such assurance by demonstrating compliance with items (1) and (2) of OAC 252:515-27-3.

**I. INCORPORATION BY REFERENCE**

The following document is hereby incorporated by reference and constitutes the complete application: Revised application submitted by OK Medical Waste Disposal, LLC, originally submitted to the Land Protection Division on February 3, 2020 with supplemental information submitted on February 12, 2020, and March 23, 2020.