

INTRODUCTION

OJD Engineering (OJD) is pleased to submit this registration application for the proposed MedCare Environmental Solutions, Inc. medical waste treatment facility. The application documents the existing and proposed features for a proposed municipal solid waste Type V medical waste treatment facility located on 9119 Billy The Kid Street, in the City of El Paso and within El Paso County, Texas.

MedCare Environmental Solutions, Inc. with corporate headquarters in Amarillo, Texas is a privately held Texas Corporation organized on September 22, 2017. MedCare Environmental Solutions, Inc. is owned and managed by waste industry and management professionals that have combined industry experience of more than 50 years. The primary focus for MedCare is to provide medical waste generators with exceptional personalized service of the highest quality; utilizing innovative technology in the handling and disposal of medical waste in an environmentally safe and economical manner.

MedCare Environmental Solutions, Inc. is a biohazardous medical waste management company which provides for the collection, transport, handling, and treatment/disposal of biohazardous medical waste collected from biohazardous medical waste generator customers in the States of Texas, New Mexico, and Arizona. The current and proposed customers serviced in the listed States include (but are not limited to) private physician offices, dental offices, hospitals, university medical school facilities, governmental medical facilities, cancer research facilities, medical laboratories, surgery centers, skilled nursing facilities, rehabilitation care facilities, and veterinarian offices.

Currently, MedCare Environmental Solutions, Inc. operations provide that biohazardous medical (special) waste collected from generators in the referenced States be transported directly to a contracted out of State treatment facility or transported for storage to the MedCare Environmental Solutions, Inc. State of New Mexico registered Collection/Storage Station located at 320 North Compress, Las Cruces, New Mexico. From the Las Cruces, New Mexico Collection/Storage Station the medical (special)

waste is transported (in accord with New Mexico Regulations) to a treatment and disposal facility with which MedCare Environmental Solutions, Inc. has signed Agreements.

MedCare Environmental Solutions, Inc. utilizes only USDOT approved container systems for the collection, handling and transport of biohazardous waste. These containers further meet all the packaging requirements for State regulations (including the State of Arizona) and are labeled to meet all Federal and State regulations. The primary containers used by MedCare Environmental Solutions, Inc. are: 10 to 17 gallon single deposit, 31 gallon to 43 gallon plastic reusable, and 95 gallon to over 200 gallon large bulk mobile medical waste containers.

MedCare primary contacts are as follows:

- a) Nord S. Sorensen; President/CEO
Direct Telephone No: 806-355-3035
Mobile Telephone No: 505-235-0969
E-Mail Address: nord@medcareenvironmental.com

- b) Charbel Kodaisy; Vice President
E-Mail Address: ckodaisy@medcareenvironmental.com

Biohazardous (Regulated Medical Waste) Materials Managed

The following are types of biohazardous medical waste appropriate for MedCare Environmental Solutions, Inc. to be accepted for storage, treatment, and transfer:

- Cultures and stocks: Discarded cultures and stocks generated in the diagnosis, treatment, or immunization of a human being or animal or in any research relating to that diagnosis, treatment, or immunization, or in the production or testing of biological.

- Human blood and blood products: Discarded products and materials containing free-flowing blood or free-flowing blood components.
- Human pathological waste: Discarded organs and body parts removed during surgery. (Human pathologic wastes do not include the head or spinal column.)
- Medical sharps: Discarded sharps used in animal or human patient care, medical research, or clinical laboratories, including hypodermic needles, syringes, pipettes, scalpel blades, blood vials, needles attached to tubing, broken and unbroken glassware, and slides and coverslips.
- Research animal wastes: Animal carcasses, body parts, and bedding of animals that have been infected with agents that product, or may produce, human infection.
- Trace contaminated chemotherapy waste (only empty containers/bags are acceptable): Materials involved in the preparation and administration of chemotherapy drugs, including ampoules, gloves, gowns, IV bags, pads, syringes, tubing, and empty chemotherapy vials.
- Non-hazardous/non-controlled discarded pharmaceuticals: Discarded pharmaceutical products/medications that are non-controlled substances that are regulated by the United States Drug Enforcement Agency, including prescription and over-the-counter medication.
- Materials accepted for recycling may only be accepted from health care-related facilities as long as the recyclable materials have not been mixed or come into contact with medical waste. Materials mixed or contacting medical waste shall be managed as medical waste.
- Types of waste that are not registered for treatment at the Facility will be scheduled by the Facility, for intermediate storage and final transfer to an approved off-site treatment/disposal facility as per the proposed registration authorization conditions. The Facility will accept/treat the following types of waste: Regulated Medical Waste, Pathology, Trace Chemotherapy, Non-Hazardous Non-Controlled Pharmaceuticals.

Excluded Materials

The following types of waste are prohibited from acceptance for MedCare Environmental Solutions, Inc. to collect, transport, transfer, or store:

- Non-decayed radioactive waste/radioactive materials – a substance that contains unstable-radioactive-atoms that give off radiation as they decay.
- Hazardous waste – waste material, such as nuclear waste or industrial byproduct, that is potentially damaging to the environment and harmful to humans and other organisms.
- Household waste (The only household generated waste to be accepted will be in accordance with 30 TAC §326.61(h) - solid waste comprising of garbage and rubbish (such as bottles, cans, clothing, compost, disposables, food packaging, food scraps, newspapers and magazines, and yard trimmings) that originates from private homes or apartments.
- Industrial and commercial process waste - is the waste produced by industrial activity which includes any material that is rendered useless during a manufacturing process such as that of factories, industries, mills, and mining operations. Commercial waste means solid waste generated by stores, offices, restaurants, warehouses and nonmanufacturing activities at industrial facilities.
- Human remains - The body of a deceased person, in whole or in parts, regardless of its stage of decomposition.
- Bulk Liquid chemotherapy waste - is any chemotherapy drugs or materials used in the process of administering treatment that are not considered empty. These can be unused medications, vials, tubing and syringes, as well as materials used to clean up spills and gloves, gowns and masks used by healthcare professionals.

Biohazardous Materials and Medical Waste Management Operations

A. Transport and Initial Receipt of Medical (Infectious) Waste

Biohazardous medical waste is accepted only from MedCare Environmental Solutions, Inc. owned trucks, hauling from MedCare waste generator customers; and from registered medical waste transporters hauling waste from other company customers or transfer facilities; with all customers or registered transporters having

signed Agreements with the MedCare Environmental Solutions, Inc. (Company). The Company only accepts biohazardous medical waste which is properly packaged in USDOT transport plastic reusable containers which are furnished by the Operation (as described in this plan), or medical waste packaged in USDOT transport disposable containers furnished by the Customer. During each Customer Service call the MedCare Environmental Solutions, Inc. Service Representative (Driver) receives the Customer generated containerized waste, verifying that the Customer containers are properly bar-coded as to waste type and container size; then the Representative scans the container bar code of each container of Customer generated medical waste, recording the acceptance of the containerized waste operation into the transport unit computer system. The transport unit computer system is downloaded into the MedCare Environmental Solutions, Inc. main computer operating system on a calendar day basis, after the Service Representative has completed all Customer Service Calls for each calendar day

B. Waste delivered from the Customer/Generator to the Collection/Storage/Treatment Facility

Arriving Waste Check-in:

When a company truck or other company registered transporter hauling biohazardous medical waste arrives at the Collection/Storage/Treatment Facility, the driver delivers all his original documentation to the Facility office for verification of accuracy and proper generator authentication. After the manifest verification process has been completed, the Regional/Operation Manager (or designate) accepts the waste for placement at the Collection/Storage/Treatment Facility, and signs the original Medical Waste (Special) Waste Tracking Document acknowledging receipt of the medical waste.

After receipt of the medical waste at the Collection/Storage/Treatment Facility; the Company operation personnel scan the bar codes and weigh each container; recording the waste into the Operation waste tracking computer program.

Storage and Disposal Transport Operation

After receipt of Company medical (infectious) waste, the containerized biohazardous medical waste (ready for on-site treatment or shipment to another off-site disposal facility) is placed in the storage area of the Collection/Storage/Treatment Facility; in either a non-refrigerated dry storage area or in a provided refrigerated storage area (unit), with the date of storage written on each container bar code label. The storage area is used only to hold waste until treatment or until a refrigerated van trailer is available for waste disposal transport. As empty refrigerated van trailers are available; the Operation personnel move the containers of medical waste from the storage area to the process/treatment area or to the refrigerated van trailers; with the transport vehicles being scheduled for transport to the State approved medical (infectious) waste disposal facility by the Regional/Operation Manager. Storage area(s) for source-separated or recyclable materials from medical waste facilities must be provided that are separate from solid waste processing areas. Control of odors, vectors, and windblown waste from the storage area shall be maintained. For putrescible or biohazardous untreated medical waste, maintaining a temperature of 45 degrees Fahrenheit or less during pre-collection storage is optional. Such medical waste stored for longer than 72 hours during post-collection storage period shall be maintained at a temperature of 45 degrees Fahrenheit or less.

C. Operation Documentation and Record Keeping System

The company utilizes a computer software program to track all biohazardous medical waste accepted by the Company; including waste delivered to the Collection/Storage Facility, and from that Collection/Storage Facility to final disposal; and waste delivered from the customer waste generator to final disposal. This computer software (through use of bar codes) allows the Company to identify and weight specific containers of medical waste generated by the individual customers and accepted by the Operation. The utilization of this software allows the Company operation to produce waste reports for the regulators and waste generators documenting the flow of the waste from acceptance at the Customer's (generator's) location, to arrival and storage at the Collection/Storage Facility, to transport to the State approved treatment facility.

The software program provides for a electronic “Biohazardous Medical (Special) Waste Tracking Document” to be used for the documentation of the transport of biohazardous medical waste.

This Tracking Document identifies the waste customer/generator, the waste hauler, the collection/storage station, the number of containers collected from customer, the total weight of the waste collected, and the final waste treatment facility. The original Biohazardous Medical (Special) Waste Tracking Document is maintained through all transport operations; with the Company operation maintaining a copy of the fully signed original document in the Customer/Generator’s business file; while the original (or electronic copy) fully signed document is returned to the Customer/Generator via E-Mail for their records.

Further, the software program allows the Company the capability to issue the Customer (generator) and individual computerized waste manifest and disposal document. Each document records the waste generator, the date of waste receipt at the Collection/Storage Facility or the Treatment Facility, the identification of each container bar code, the net weight of each container of waste received, the Treatment Facility location and state registration number, and the date the waste was received at the Treatment Facility. Further, the software program provides accurate documentation for the billing of customers, and produces a series of management reports to evaluate such items as the loading (weight) of waste containers by generator, and the volume of waste for any given time period. All biohazardous medical waste tracking and accounting records are maintained by MedCare and Compliance Publishing Corporation.

According to Section 326.5, “...no person may cause, suffer, allow, or permit the collection, storage, transportation, processing, or disposal, or the use or operation of a solid waste facility to store, process, or dispose of solid waste in violation of the THSC, or any regulations, rules, registration, license, order of the commission, or in such manner that causes: (1) the discharge or imminent threat of discharge of medical waste into or adjacent to the waters in the state without obtaining specific authorization for the

discharge from the commission; (2) the creation and maintenance of a nuisance; or (3) the endangerment of the human health and welfare or the environment.

MedCare Environmental Solutions, as a stand-alone facility, proposes to treat medical waste from unaffiliated generators. As such, MedCare qualifies for TCEQ authorization through the registration process. The proposed facility will be designed to treat waste using steam sterilization and shredding. All of the anticipated materials to be received and processed at the proposed facility will be medical waste or wastes requiring steam sterilization and shredding. The following types of waste require steam sterilization and shredding: Regulated Medical Waste, Pathology, Trace Chemotherapy, Non-Hazardous Non-Controlled Pharmaceuticals. Upon autoclaving, the sterilized by-product will then be shredded; leaving a shredded waste by-product that is sterilized, unrecognizable, classified as regular municipal solid waste, and with an approximate 80% volume reduction. The shredded waste by-product is conveyed into a waste compactor, which compacts the waste into a 30 or 40 cubic yard roll-off container.

Once treated, the medical waste will be transported off site to an independently owned, operated, and registered municipal solid waste landfill facility. Any collected recyclables will be stored and periodically transported off site to an independently owned, operated, and registered recycling or disposal facility.

The proposed activities requiring a TCEQ registration include the treatment and handling of medical waste and sharps. These activities will require autoclave, or steam sterilization, sharps shredder, compaction, and storage systems. Supplemental to these activities but not necessarily requiring registration are paper shredder, wash area, and recyclables storage systems. Even though these supplemental activities may not require registration, they are included and discussed in this registration application with respect to the proposed medical waste functions.

The application is divided into Sections; Introduction, and §326.71 through §326.77. Graphics and attachments are included with each part as applicable.

Section §326.71 includes the TCEQ application forms, surrounding landowner contact information, and required text, maps and exhibits supporting the general application.

Section §326.73 describes the opportunity of public meeting and posting notice signs of the facility and surrounding area. Section §326.75, also referred to as the Site Operating Plan, includes the facility functions and design with supporting information. Section §326.77, describes the duration, limits and additional registration conditions at the facility.