



Biohazardous Medical Waste Facility Plan

Stryker Sustainability Solutions
6635 West Frye Road
Chandler, AZ 85226

I. Letter of Transmittal

Brian Salta
10232 S. 51st Street
Phoenix, AZ 85044

September 19, 2022

To the Arizona Department of Environmental Quality,

The following document contains the ADEQ Biohazardous Medical Waste Facility Plan Application for the following:

Stryker Sustainability Solutions
6635 West Frye Road
Chandler, AZ 85226

For questions regarding this application please contact me.

Regards,

Brian Salta, Facilities Manager
Phone: 602.503.5261
Email: brian.salta@stryker.com

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III. General Information

a. Name of the facility

Stryker Sustainability Solutions Inc.

b. General Description of Facility Operation

The facility will house operations and support activities for receiving, sorting, remanufacturing, and storage of specialty surgical and medical devices. The estimated volume of biohazardous medical waste is estimated to be approximately 220,000 pounds per month or 2,640,000 pounds per year. The expected start date for operations is October 2022.

The used surgical and medical devices will be received by a trailer from UPS and sorted. Medical devices are sorted by what Stryker is approved by the FDA to remanufacture. All other devices not meeting product acceptance criteria, or are found to be damaged, are rejected and deemed biohazardous medical waste, segregated, and placed into red 96-gal biohazardous waste containers lined with red plastic bags. Once filled, each 96-gal biohazardous waste container will be sealed and loaded into an unrefrigerated trailer owned by an approved biohazardous medical waste service provider (Stericycle). Once the trailer is filled to capacity, it is picked up by trailer owner for proper transport and disposal of the biohazardous waste. Medical devices that pass initial screening undergo preliminary cleaning (if needed) using manual cleaning methods. While the trailer is on the loading dock, only employees can access the trailer interior. The trailer interior is inaccessible to outside traffic, and protected from potential hazards such as rain, insects, and rodents. The access door to the trailer will be locked and will remain locked outside of business operating hours. Full trailers shall be picked up on a daily basis, except for weekends and holidays. The maximum time waste will be stored at the facility will be 5 days.

c. Owner Information:

- a. Contact name: Sven Tustin
- b. Contact's Phone number: 602-515-0884
- c. Contact's email address: stustin@conor.com
- d. Company Name: Conor Commercial Real Estate
- e. Company Address: 6720 North Scottsdale Road
Scottsdale, AZ 85253

d. Operator Information:

- a. Contact name: Brian Salta
- b. Contact's Phone number: 602-503-5261
- c. Contact's email address: brian.salta@stryker.com
- d. Company Name: Stryker Sustainability Solutions, Inc.
- e. Company Address: 10232 South 51st Street
Phoenix, AZ 85044

e. Agent Information:

The agent information is the same as the Operator Information.

f. Facility Information:

- a. Physical Location of the facility:

6635 West Frye Road
Chandler, AZ 85226

- b. Mailing address of the facility:

10232 South 51st Street
Phoenix, AZ 85044

- c. Legal Description of the Facility:

The legal description of the building is Lot 6 of Lotus Project according to the plat of record in the office of the county of Maricopa County Arizona, recorded in book 1574 plats, page 11. The Range is 4 East and in Section 33.

- d. County assessor's book, map and parcel number:

A parcel located in the south half of section 33, township 1 south, range 4 east, of the Gila and Salt River base and meridian, Maricopa county.

- e. Overall Site Plan:

See Attachment 1

- f. Aerial map and vicinity map:

See Attachment 2

IV. Location Restrictions

- a. There are no irrigation grandfathered rights that are appurtenant to the facility according to A.R.S 49-772(A)(1).
- b. The Flood zone designation for this area is zone X, defined as: areas of 0.2% annual chance flood: areas of 1% annual chance flood with average depths of less than 1 Foot or with drainage areas less than 1 square mile; and areas protected by levees from 1% annual chance flood. Map number 04013C2715L.

V. Administrative Determinations

- a. Please see Attachment 3 for a copy of the first page of the commercial lease reference pages.
- b. A certificate of disclosure is not required for this facility.

VI. Other Approvals/Demonstrations

- a. No air permits are needed for the operations of the facility. However, an air permit is being obtained for an onsite emergency standby generator.

VII. Operating Criteria

Storage, Transfer and Treatment Facilities

- a. Item 1
 - i. Shipments of surgical devices will arrive at the facility via UPS in 55-foot trailers. The trailers will be backed into a dedicated inbound/receiving loading dock in the warehouse where the sealed surgical device containers will be unloaded and transferred to the sorting/decon area. The containers will be unsealed and opened in the sorting/decon area where the contents of the container will be sorted. Damaged and non-conforming devices are

rejected and will be placed into rigid, 96-gallon biohazardous waste bins with hinged lids and lined with red biohazardous waste plastic bags. Once filled, the red biohazardous waste bins will be wheeled out of the sorting/decon area and loaded into a 55-foot trailer docked at a dedicated outbound loading dock. The 55-foot trailer will be owned by a licensed biohazardous waste vendor (Stericycle) and will be hauled away by the same licensed biohazardous waste vendor. The sorting/decon area will be a segregated area from the rest of the building. The facility will not be accepting other types of solid waste, so Section R18-13-1411(1) will not apply. All entry points into the receiving/sorting area will prominently display the universal biohazard symbol as prescribed in R18-13-1401 to meet Section R18-13-1411(2). The receiving/sorting area will be constructed of sealed concrete with rubber base walls and epoxy paint so that the area surfaces are smooth, easily cleanable, and impervious to liquids and resistant to corrosion by disinfecting agents and hot water per Section R18-13-1411(3). All biohazardous waste generated will be stored inside a fully covered trailer to protect the biohazardous waste from contact with water, precipitation, wind, or animals per Section R18-13-1411(4). The requirements of Section R18-13-1411(6) do not apply to the facility, because the facility is accepting only regulated medical devices and not accepting biohazardous waste. Any damaged containers of regulated medical devices will either be immediately rejected and the entire contents placed into a biohazardous waste container, or the contents will be immediately sorted per the aforementioned sorting procedures to comply with Section R18-13-1411(7). The sorting/decon areas will be cleaned daily by sweeping the floors to remove all visible particles and wiping down all tables, tools, and sorting surfaces with an EPA-approved chemical disinfectant (like Cavicide) and isopropyl alcohol to meet Section R18-13-1411(8). Any soiled areas will be scrubbed using a bleach solution and EPA-approved chemical disinfectant.

- ii. The maximum storage time that the biohazardous medical waste will remain at the facility will be no more than five (5) days. No refrigerated storage areas will be present because the facility will be handling non-putrescible biohazardous waste and the storage time meets the requirements of Section R18-13-1411(5).
- iii. All rejected medical devices will be placed in the rigid biohazardous waste bins lined with a red biohazardous waste plastic bag. Once filled, these bins will be wheeled into a fully covered trailer at the dedicated outbound loading dock as described in i. above.
- iv. Stryker will have a backup secondary licensed biohazardous waste transporter to haul away the trailer of biohazardous waste in the event that the primary biohazardous waste transporter experiences a delay in retrieval of the waste at the facility.

- b. Item 2
 - i. The incoming surgical devices will be contained in rigid, rectangular, teal-colored, plastic containers with hinged lids that are secured with plastic zip ties. The container size is approximately 28 gallons and is shipped in outer packaging like a plastic bag or cardboard box. No documentation accompanies the incoming shipments, because these shipments come from a consolidation center that receives the medical devices from the different hospitals.
 - ii. See section (i.) above.
- c. Item 3
 - i. Any damaged containers of regulated medical devices will either be immediately rejected and the entire contents placed into a biohazardous waste container, or the contents will be immediately sorted to comply with Section R18-13-1411(7).
 - ii. Any medical sharps encountered during the sorting process will be placed in rigid biohazardous sharps containers and disposed of accordingly.
- d. Item 4
 - i. The 55-foot trailers provided by the licensed transporter (Stericycle) for storing and transporting the biohazardous waste will be cleaned as needed using a disinfectant (Spirit II) and pressure washed. The rigid biohazardous containers will be cleaned after every use.
- e. Item 5
 - i. The waste generator manifests for each outbound shipment of biohazardous waste will be kept either in electronic or paper form per the guidance in Section R18-13-1411(6).

Items applicable only to treatment facilities

Information requested from this section are not applicable because this site is not a treatment facility.

VIII. Design Criteria

a. Item 1

- i. The overall design of the facility showing sufficient detail of orientation and geometry to the facility structural components are in Attachment 4.
 1. Facility access points and traffic routing: See Attachment 1.
 2. Drawing that clearly label structures such as inspection areas, employee cleanup areas, and equipment clean up areas: See Attachment 4.
 3. Drawing that clearly label within the facility disposal areas, storage and transfer areas, major equipment, drains, and other design features: See Attachment 4.
 4. Drawing that clearly label where fences, gates, and litter control structures are situated on the property: See Attachment 1.
 5. Storm water management structures: See Attachment 5.
- ii. The storm water management structures and drains are as shown on Attachment 5. One dry well is installed on the property as shown on the Attachment 5. All biohazardous medical waste will be handled within the building or inside the fully covered trailer as it is parked in the loading dock. This setup will protect the waste from contact with precipitation and stormwater.
- iii. The biohazardous waste being handled at the facility is in a solid state. Any potential spill would involve very small amounts of residual liquids that may be trapped within the rejected devices. Any spill will be cleaned and soaked up using absorbent pads or pourable absorbent. The spill cleanup material will be disposed of as either biohazard waste or hazardous waste depending on the type of material that was spilled.
- iv. Stryker will be using a licensed biohazardous medical waste service provider, Stericycle, that owns and maintains the storage trailer that will meet the requirements in Section R18-13-1411.

b. Item 2

- i. The biohazard symbol will be prominently displayed according to Section R18-13-1401, throughout the facility where biohazardous waste is located as required by Section R18-13-1411(2) and at entrances to these areas.

- ii. The receiving/sorting area will be constructed of sealed concrete with rubber base walls and epoxy paint so that the area surfaces are smooth, easily cleanable, and impervious to liquids and resistant to corrosion by disinfecting agents and hot water per Section R18-13-1411(3). Please see surface call out detail in Attachment 6.
- iii. All biohazardous waste generated inside the building will first be placed in the rigid, 96-gallon biohazardous waste containers. These containers will then be stored inside a fully covered trailer to protect the biohazardous waste from contact with water, precipitation, wind, or animals per Section R18-13-1411(4).

c. Item 3

Biomedical waste will be stored within the facility as follows according to Section R18-13-1408.

- i. Biohazardous waste storage containers will be supplied and delivered to the facility by the licensed biohazardous waste service provider (Stericycle). The containers will be cleaned by the biohazardous waste service provider at their facility after every use.
- ii. Biohazardous waste will be stored inside the fully covered 55-foot trailers. These trailers will be secured and inaccessible during off-hours.
- iii. Used medical devices that are deemed biohazardous medical waste will be immediately placed into the rigid, 96-gallon biohazardous waste container lined with a red plastic bag to ensure that there is no confusing these wastes from other types of solid waste.