



Everett Griffith, Jr. & Associates Inc.
ENGINEERS • SURVEYORS

February 4, 2022

Kristen A. Hernandez, Project Manager
Municipal Solid Waste Permits (MC-124)
Texas Commission on Environmental Quality
P.O. Box 13087
Austin, TX 78711-3087
Phone: (512) 239-5090

SENT BY CERTIFIED MAIL

Re: R&J Recycling and Disposal Medical Waste Facility (Center, Texas)
Application for Medical Waste Registration (MSW Registration No. 40325)
Response to NOD dated January 7, 2022 (Tracking No. 27010188)

Dear Ms. Hernandez:

This letter and the attached submittals are in response to the NOD dated January 7, 2022. As requested, each of the comments from your NOD e-mail are provided in the table below followed by a response. The responses indicate the location of each revision in the Application for Medical Waste Registration or its attachments. For ease of reading, the comments are listed in bold font and their responses are in italic font:

NT1. Show on facility map separation of storage bins for both facilities.

Empty bins for the transfer station are currently stored in the existing Covered Bin Storage building. When the Medical Waste Facility goes into operation, a portion of that building will be dedicated to the storage solely of empty bins from the Medical Waste Facility. The two areas will be partitioned by a barrier and signs will clearly identify both areas so that the bins from each facility will remain separate. The figure entitled Facility Layout (Medical Waste Building) in Attachment 2A has been modified to reflect this.

T2. Coordination with TxDOT stated traffic would be 2 vehicles per day but it was stated in Section 2.2, Table 2 a future increase of up to 50 vehicles.

As noted in Table 2, the Medical Waste Facility expects to receive 2 vehicles per day at start up. However, by the Year 2030 it is hoped to be operating at its full permitted capacity of 35 tons/day which would correspond to approximately 50 vehicles per day to accommodate that capacity. Additional correspondence with TxDOT has been initiated (refer to attached e-mail correspondence for inclusion in Attachment 10) to discuss this. However, response from TxDOT has been delayed due to a Covid-19 outbreak in the local office. We will forward the TxDOT response to you as soon as it is received for inclusion in Attachment 10.

NT3. Include required statements.

The statements have been added to Section 5.20 of Attachment 17.

T4.	Provide a complete process diagram with narrative for all the types of waste received at the facility. <i>A narrative has been added to Attachment 7. Please refer to the attached figure entitled <u>Narrative for Process Flow Diagram</u>.</i>
T5.	Revise table to include waste carts as described in Attachment 8. <i>Waste carts have been added to Table 3 in Section 2.5 of the Application for Medical Waste Registration.</i>
T6.	Explain how the design shall be sufficient to control and contain a worst-case spill or release. <i>This information has been added to Section 5.1 of Attachment 17.</i>
T7.	Include required statement. <i>The statement has been added to Section 5.1 of Attachment 17.</i>
T8.	Include last date of intended receipt of waste in notice requirements. <i>The last date of intended receipt of waste has been added to the notice requirements listed in Section 3.1 of the Application for Medical Waste Registration.</i>
T9.	Total closure cost did not match overall sum on Table 4. <i>The discrepancy appears to be due to round-off. The values in the table are rounded off to the nearest dollar.</i>
NT10.	Address financial assurance for each phase of operation. <i>Section 5.16 of Attachment 17 has been modified to address financial assurance for each phase of operation of the proposed medical waste facility.</i>
T11.	Separate equipment operator and waste handlers in their own categories of job functions. Provide description of general instruction that the personnel shall follow. <i>There was a typo in the original application: "waste handler" should instead have read "equipment operator". It is anticipated that a single equipment operator will be able to operate the medical waste facility during normal day-to-day operations. Section 4.1 of the Application for Medical Waste Registration has been modified accordingly.</i>
T12.	Provide list of prohibited waste. Add that untreated medical waste will be refrigerated at 45 degrees Fahrenheit or less. Specify how each waste stream will be processed. Describe how loading and storage areas for untreated medical will be secure from inadvertent human exposure. <i>Section 4.2 of the Application for Medical Waste has been updated with a description of prohibited waste. A statement regarding the refrigeration of untreated medical waste was included. In addition, a description of processing and secureness of waste has also been added.</i>

T13. Include statement to address rule.
<i>Section 4.3 of the Application for Medical Waste Registration has been modified to address the rule.</i>
T14. Include required statement.
<i>The statement has been added to Section 5.2 of Attachment 17.</i>
T15. Include facility parking in facility layout map.
<i>The figure entitled <u>Facility Layout (Medical Waste Building)</u> in Attachment 2A has been modified to show parking.</i>
NT16. Provide justification for alternative operating hours.
<i>This been added to Section 4.5 of the Application.</i>
T17. Include alternative processing or disposal procedures.
<i>Section 5.11 of Attachment 17 has been updated to address this item.</i>
NT18. Provide location of sanitation stations on facility layout map. Describe the disinfection procedures to be used for all surfaces that may come into contact with untreated medical waste in the event of a spill.
<i>A note has been added to the figure entitled <u>Facility Layout (Medical Waste Building)</u> in Attachment 2A detailing the location of sanitation facilities.</i>
T19. Describe odor abating measures.
<i>Section 5.13 of Attachment 17 has been modified to provide more details regarding odor abatement measures at the facility.</i>
T20. Include the facility's health and safety plan.
<i>A copy of the facility's health and safety plan has been attached. It is included in the new Attachment 18 to be added to the application.</i>
T21. Include statements addressing rule.
<i>Section 5.15 of Attachment 17 has been updated to address the rule.</i>

The following is a summary of the items included in this submittal:

1. Correspondence Cover Sheet (Form TCEQ-20714). The TCEQ tracking number also indicated therein.
2. Cover letter (this document)
3. An original and two (2) unmarked copies of the revised figure entitled *Facility Layout (Medical Waste Building)* is attached herewith. A marked copy indicating changes has also been included. The figure has been three-hole punched for replacement in Attachment 2A.

4. An original and two (2) copies of the latest correspondence with the local TxDOT office. These have been three-hole punched for inclusion in Attachment 10.
5. An original and two (2) unmarked copies of the revised Attachment 17 (Section 5 - Other Site Operating Plan, Financial Assurance, and Closure Requirements). These have all been three hole punched for replacement in Attachment 17. A marked copy in redline/strike-out format is also included that shows the revisions.
6. An original and two (2) copies of the figure entitled *Narrative for Process Flow Diagram*. These have been three-hole punched to allow for their addition to Attachment 7 of the application.
7. An original and two (2) unmarked copies of the revised Form TCEQ-20789 (Application for a Medical Waste Registration). One (1) marked copy is also included in which the revisions are indicated by yellow highlighting. Please note that Form TCEQ-20789 is attached herewith in its entirety in order to maintain coherency of page numbering. All submitted pages include the revision date in the header. The copies have also been three-hole punched for ease of inclusion in the three-ring binders that hold the original application submittal for this facility.

As requested, this submittal also includes a new signed Applicant Certification and Signature (Section 6, Page 23).


Please use these submittals to replace the original pages in the three-ring binders containing the registration application for this facility.

8. An original and two (2) unmarked copies of the facility's health and safety plan has been attached herewith as the new Attachment 18. These have been three-hole punched for addition to the three-ring binder that hold the original application submittal for this facility.

As requested, an unmarked copy of the above items is being mailed to Mr. Charlie Adams at the TCEQ Region 10 Office in Beaumont. An electronic copy of these items will also be posted on the designated website for the facility.

If you have any questions, comments, or require any additional information regarding this project, please do not hesitate to contact either Bob Staehs, P.E. (Project Manager) or myself at (936) 634-5528.

Sincerely,



Craig Largent

encl.

cc: Ms. Stacy Wershing, Owner - R&J Recycling and Disposal
Mr. Charlie Adams - TCEQ Region 10 Office



Texas Commission on Environmental Quality

Waste Permits Division Correspondence Cover Sheet

Date: February 3, 2022

Facility Name: R&J Recycling and Disposal Medical Waste Facility

Permit or Registration No.: 40325

Nature of Correspondence:

☐ Initial/New

☒ Response/Revision to TCEQ Tracking No.: 27010188 (from subject line of TCEQ letter regarding initial submission)

Affix this cover sheet to the front of your submission to the Waste Permits Division. Check appropriate box for type of correspondence. Contact WPD at (512) 239-2335 if you have questions regarding this form.

Table 1 - Municipal Solid Waste Correspondence

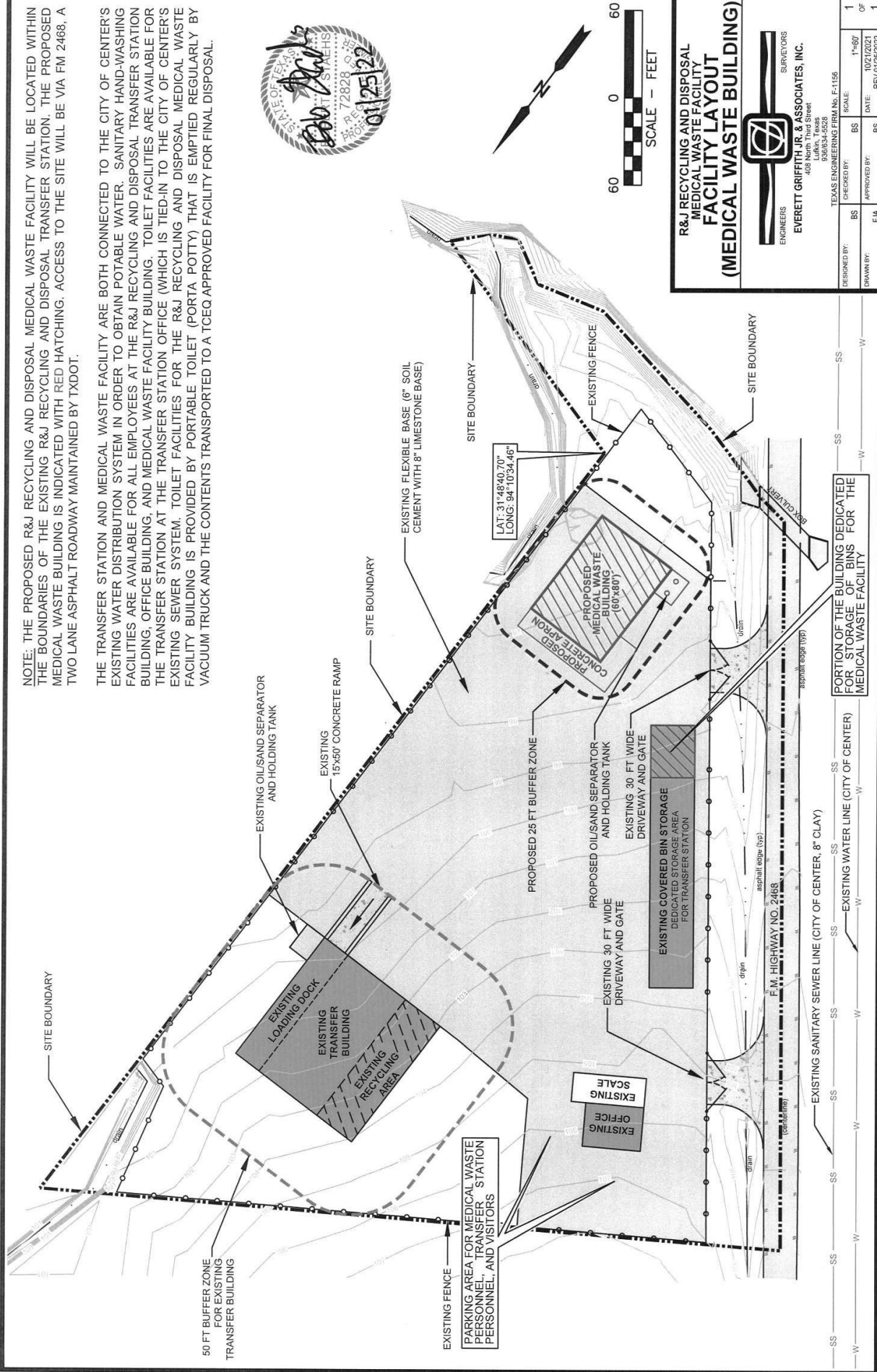
Applications	Reports and Notifications
<input type="checkbox"/> New Notice of Intent	<input type="checkbox"/> Alternative Daily Cover Report
<input type="checkbox"/> Notice of Intent Revision	<input type="checkbox"/> Closure Report
<input type="checkbox"/> New Permit (including Subchapter T)	<input type="checkbox"/> Compost Report
<input checked="" type="checkbox"/> New Registration (including Subchapter T)	<input type="checkbox"/> Groundwater Alternate Source Demonstration
<input type="checkbox"/> Major Amendment	<input type="checkbox"/> Groundwater Corrective Action
<input type="checkbox"/> Minor Amendment	<input type="checkbox"/> Groundwater Monitoring Report
<input type="checkbox"/> Limited Scope Major Amendment	<input type="checkbox"/> Groundwater Background Evaluation
<input type="checkbox"/> Notice Modification	<input type="checkbox"/> Landfill Gas Corrective Action
<input type="checkbox"/> Non-Notice Modification	<input type="checkbox"/> Landfill Gas Monitoring
<input type="checkbox"/> Transfer/Name Change Modification	<input type="checkbox"/> Liner Evaluation Report
<input type="checkbox"/> Temporary Authorization	<input type="checkbox"/> Soil Boring Plan
<input type="checkbox"/> Voluntary Revocation	<input type="checkbox"/> Special Waste Request
<input type="checkbox"/> Subchapter T Disturbance Non-Enclosed Structure	<input type="checkbox"/> Other:
<input checked="" type="checkbox"/> Other: Response to NOD dated 01-07-2022	

Table 2 - Industrial & Hazardous Waste Correspondence

Applications	Reports and Responses
<input type="checkbox"/> New	<input type="checkbox"/> Annual/Biennial Site Activity Report
<input type="checkbox"/> Renewal	<input type="checkbox"/> CPT Plan/Result
<input type="checkbox"/> Post-Closure Order	<input type="checkbox"/> Closure Certification/Report
<input type="checkbox"/> Major Amendment	<input type="checkbox"/> Construction Certification/Report
<input type="checkbox"/> Minor Amendment	<input type="checkbox"/> CPT Plan/Result
<input type="checkbox"/> CCR Registration	<input type="checkbox"/> Extension Request
<input type="checkbox"/> CCR Registration Major Amendment	<input type="checkbox"/> Groundwater Monitoring Report
<input type="checkbox"/> CCR Registration Minor Amendment	<input type="checkbox"/> Interim Status Change
<input type="checkbox"/> Class 3 Modification	<input type="checkbox"/> Interim Status Closure Plan
<input type="checkbox"/> Class 2 Modification	<input type="checkbox"/> Soil Core Monitoring Report
<input type="checkbox"/> Class 1 ED Modification	<input type="checkbox"/> Treatability Study
<input type="checkbox"/> Class 1 Modification	<input type="checkbox"/> Trial Burn Plan/Result
<input type="checkbox"/> Endorsement	<input type="checkbox"/> Unsaturated Zone Monitoring Report
<input type="checkbox"/> Temporary Authorization	<input type="checkbox"/> Waste Minimization Report
<input type="checkbox"/> Voluntary Revocation	<input type="checkbox"/> Other:
<input type="checkbox"/> 335.6 Notification	
<input type="checkbox"/> Other:	

NOTE: THE PROPOSED R&J RECYCLING AND DISPOSAL MEDICAL WASTE FACILITY WILL BE LOCATED WITHIN THE BOUNDARIES OF THE EXISTING R&J RECYCLING AND DISPOSAL TRANSFER STATION. THE PROPOSED MEDICAL WASTE BUILDING IS INDICATED WITH RED HATCHING. ACCESS TO THE SITE WILL BE VIA FM 2468, A TWO LANE ASPHALT ROADWAY MAINTAINED BY TxDOT.

THE TRANSFER STATION AND MEDICAL WASTE FACILITY ARE BOTH CONNECTED TO THE CITY OF CENTER'S EXISTING WATER DISTRIBUTION SYSTEM IN ORDER TO OBTAIN POTABLE WATER. SANITARY HAND-WASHING FACILITIES ARE AVAILABLE FOR ALL EMPLOYEES AT THE R&J RECYCLING AND DISPOSAL TRANSFER STATION BUILDING, OFFICE BUILDING, AND MEDICAL WASTE FACILITY BUILDING. TOILET FACILITIES ARE AVAILABLE FOR THE TRANSFER STATION AT THE TRANSFER STATION OFFICE (WHICH IS TIED-IN TO THE CITY OF CENTER'S EXISTING SEWER SYSTEM). TOILET FACILITIES FOR THE R&J RECYCLING AND DISPOSAL MEDICAL WASTE FACILITY BUILDING IS PROVIDED BY PORTABLE TOILET (PORTA POTTY) THAT IS EMPTIED REGULARLY BY VACUUM TRUCK AND THE CONTENTS TRANSPORTED TO A TCEQ APPROVED FACILITY FOR FINAL DISPOSAL.



**R&J RECYCLING AND DISPOSAL
MEDICAL WASTE FACILITY
FACILITY LAYOUT
(MEDICAL WASTE BUILDING)**

ENGINEERS SURVEYORS
EVERETT GRIFFITH JR. & ASSOCIATES, INC.

DESIGNED BY:	BS	CHECKED BY:	BS	SCALE:	1"=60'	1 OF 1
DRAWN BY:	FJA	APPROVED BY:	RS	DATE:	10/21/2021 REV 01/25/2022	

Fw: R & J Medical Waste Facility

From: Bob Staehs (bstaehs@everettgriffith.com)

To: clargent@everettgriffith.com; roland.marshall@txdot.gov; clint.norton@txdot.gov

Date: Tuesday, January 25, 2022, 09:56 AM CST

FYI

----- Forwarded Message -----

From: Bob Staehs <bstaehs@everettgriffith.com>

To: Jaci Burton <jacqueline.burton@txdot.gov>

Sent: Tuesday, January 25, 2022, 09:27:11 AM CST

Subject: R & J Medical Waste Facility

Hello Jaci:

We are working on registering the above referenced facility on CR 2468 with the TCEQ. One requirement of the TCEQ was to contact TxDOT about expected traffic count which I did back in December. TxDOT's response was no problem. The facility is expecting 2 cargo vans per day at facility opening with expected 50 vans per day at full operating conditions in 2030. Please review these conditions at full capacity at let me know if TxDOT has any concerns. I'll forward TxDOT's response to the TCEQ.

Thank you for your cooperation in this matter.

Bob Staehs, P.E.

EGA Engineers

Fw: Automatic reply: R & J Medical Waste Facility

From: Bob Staehs (bstaehs@everettgriffith.com)

To: clargent@everettgriffith.com

Date: Tuesday, January 25, 2022, 09:54 AM CST

FYI

----- Forwarded Message -----

From: Jaci Burton <jacqueline.burton@txdot.gov>

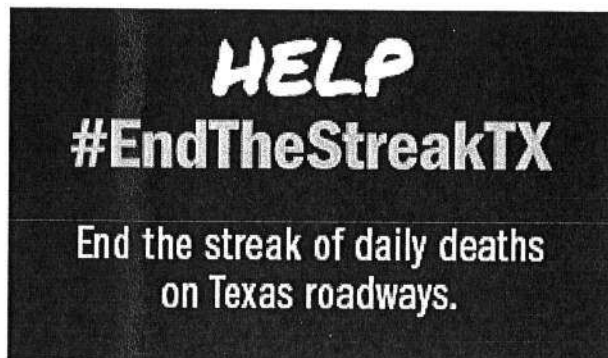
To: Bob Staehs <bstaehs@everettgriffith.com>

Sent: Tuesday, January 25, 2022, 09:30:15 AM CST

Subject: Automatic reply: R & J Medical Waste Facility

I am currently out of the office with COVID. I will check emails periodically. I expect to return to the office Monday, Jan 31. If you have an immediate need, please contact the office at 936-598-4113.

A Texas Department of Transportation message



SECTION 5 - OTHER SITE OPERATING PLAN, FINANCIAL ASSURANCE, AND CLOSURE REQUIREMENTS

As required by Form TCEQ-20789 (Application for Medical Waste Registration), the items referenced under Section 5 are addressed below:

- 5.1 STORAGE [30 TAC §326.75(d)]** - All medical waste will be stored in a manner that does not create a nuisance. All medical waste materials will remain in sealed containers or bags as they are placed in the processing unit. All waste processing will be conducted inside the proposed Medical Waste Building in an area that is separate from indoor waste storage. In accordance with 30 TAC §326.75(i)(3), all processing areas will be inside of the facility and all stored waste will be inside of the facility or stored in an enclosed roll-off container or trailer outdoors in order to control and contain spills and contaminated water from leaving the facility. In accordance with 30 TAC §326.71(i)(4), the storage of medical waste at this facility will be done in a secure manner that affords it protection from theft, vandalism, rain, water, wind, and inadvertent human (or animal) exposure. The waste will be managed in such a manner as to avoid providing a breeding place or food for insects or rodents and to not generate noxious odors.

Operations will occur within the enclosed Medical Waste Building. The surrounding will be contoured in such a way that stormwater runoff will be directed around or away from the Medical Waste Facility building. In addition, the entrances to the building will be equipped with roll-over curbs that will provide a physical barrier to prevent runoff from entering the building.

Untreated medical waste will need to be temporarily stored on site in designated indoor and outdoor areas. Once waste has been treated it will be placed in enclosed roll-off containers and hauled to a TCEQ-permitted landfill facility for disposal, no longer than 7 days after processing. The treated waste will be contained in appropriate containers which are leak proof and will be kept securely closed to prevent spillage. Control of odors, vectors, and windblown waste from the roll-off container and storage area will be maintained.

The roll-off containers will be operated and maintained in such a way as not to create a public nuisance through material loss or spillage, odor, vector breeding or harborage, or other condition. The roll-off containers will contain materials in such a manner that does not provide exposure, therefore eliminating the potential for the introduction of vectors and material loss or spillage. The roll-off containers will be hauled to a permitted landfill on a regular basis.

Any free liquids received at the facility shall be packaged with sufficient sorbent material to absorb 100% of the free liquids within the package in accordance with 49 Code of Federal Regulations (CFR) 173.197(c)(2). Therefore, there will be no free liquids generated during potential spills. Any wastewater generated on-site will be stored in the on-site 500 gallon contaminated water holding tank. In addition, the floor of the Medical Waste Facility building is sloped toward a central drain that leads to the oil/sand separator and 500 gallon holding tank. Contaminated water from washing will be directed to the holding tank. This tank will be emptied on an as-needed basis and the contents transported by registered hauler to a TCEQ authorized facility for final disposal.

- 5.2 RECORDKEEPING AND REPORTING [30 TAC §326.75(e)]** - A copy of the registration, the approved registration application, as-built plans, specifications, and any other required plan or documents related to the R&J Recycling and Disposal Medical Waste Facility will be maintained at the office of the R&J Recycling and Disposal Transfer Station as part of the facility's operating record. These documents will be made available for inspection by TCEQ representatives upon request.

The operator will record and maintain the information required in §326.75(e)(2)(A-E) in the Facility Operating Record. The owner or operator will sign all reports and other information requested by the executive director (per §305.44(a) relating to Signatories to Applications and 30 TAC §326.75(e)(3)) or by an authorized representative of the owner or operator.

Should there be a change in an individual or position, a new authorization satisfying the requirements of §326.75(e)(3) will be submitted to the executive director prior to or together with, any reports, information, or applications to be signed by an authorized representative, in accordance with §326.75(e)(3)(B).

All information contained in the Operating Record will be furnished upon request to the executive director and shall be made available during the facility's operating hours for inspection by the executive director and other times mutually agreeable to the TCEQ and the operator. The executive director may set alternative schedules for recordkeeping and notification requirements as specified in 30 TAC 326.75(e)(6).

The owner or operator shall retain all information contained within the operating record and the different plans required for the facility for the life of the facility. The owner or operator will retain all information contained within the Operating Record and the various plans required for the Facility for the life of the operation.

Each load of untreated medical waste will be reviewed upon receipt to ensure the proper documentation has been provided and that the R&J Recycling and Disposal Medical Waste Facility is named as the designated facility to receive the waste. Shipping documents will be signed and at least one copy provided to the transporter. The owner or operator will retain a copy for the Facility Operating Record and within 45 days after the delivery is received, a written or electronic copy of the shipping document will be returned to the generator, including the total weight of waste received and a statement that the medical waste was treated in accordance with 25 TAC §1.136.

- 5.3 FIRE PROTECTION PLAN [30 TAC §326.75(f)]** - An adequate supply of water under pressure is available at the facility. Firefighting equipment will be readily available and accessible at the existing R&J Recycling and Disposal Transfer Station and at the proposed R&J Recycling and Disposal Medical Waste Facility building located within its boundaries. Fire extinguishers are located throughout the existing transfer station and will also be located within the proposed Medical Waste Building. Fire extinguishers are typically 5-pound ABC type. In addition, a standard water hose will be available for initial firefighting.

A Fire Protection Plan is in place at the existing transfer station and will also apply to the proposed Medical Waste Building as well. The Fire Protection Plan is in compliance with local fire codes and includes the measures for fire protection, procedures for using fire protection measures, employee training and safety procedures, notification protocol, etc.

In the event of a fire, the facility supervisor will immediately call the City of Center Fire Department by dialing 911. In addition, if it can be safely accomplished, the facility personnel will attempt to extinguish the fire with a hand-held fire extinguisher provided at the site. Facility personnel will be trained to observe incoming loads in the transport vehicles to ascertain that there is no fire in the load while performing his inspection. If a fire is observed, the vehicle will unload on a designated area of paved ground.

- 5.3.1 FIRE PROTECTION** - The following steps are taken regularly by facility personnel in order to prevent fires:

- Check every load for fire before it is unloaded. Be alert for signs of burning waste such as smoke, steam, or heat being released from incoming waste loads.
- Do not allow open flames in the unloading areas or near the roll-off containers.
- Keep the grass within the site area mowed and do not allow grass, leaves, trash, or other combustibles to accumulate.
- Do not keep fuel or other combustibles in non-approved containers.
- Inspect the fire extinguisher to ensure it is in operating condition, that it does not have an

expired date, and be aware of where it is.

- This will be a "No Smoking" facility.
- Routinely clean equipment that is used to move waste in order to remove any potentially combustible material which might cause equipment overheating and increase fire potential.

5.3.2 PROCEDURES IN THE EVENT OF A FIRE - The facility staff will take the following steps if a fire is discovered:

- Contact the Center Fire Department by calling 911 or (936) 598-3288.
- Alert other facility personnel.
- Assess the extent of the fire, possibilities for the fire to spread, and alternatives for extinguishing the fire.
- If it appears that the fire can be safely fought with available fire extinguisher(s) until the arrival of the Fire Department, attempt to contain or extinguish the fire. Under no circumstances shall the transfer station personnel place themselves or anyone helping them in danger of being injured.
- Upon arrive of Fire Department personnel, direct them to the fire and provide assistance as appropriate.
- Be familiar with the use and limitations of firefighting equipment available on-site. Do not attempt to fight the fire alone or without adequate personal protective equipment.

5.3.3 FIRE EQUIPMENT - Dry chemical fire extinguishers shall be provided for all structures, waste management equipment, and vehicles at the facility. All fire extinguishers at the facility will be inspected on an annual basis and recharged as necessary by a qualified service company. The extinguishers will display a current inspection tag. Inspection and recharging of extinguishers will be performed following each use. A telephone is also available at the site to call the Fire Department.

An adequate supply of water at sufficient pressure for fire fighting is supplied to the facility from the City of Center's water distribution system. In addition, the Center Fire Department (3 miles away) will be the first responder to the facility in the event of a fire. The fire department is equipped with fire trucks that carry their own supply of water for fighting fires.

5.3.4 FIRE PROTECTION TRAINING - Like the rest of the Transfer Station personnel, the Medical Waste Building personnel will receive fire safety training when hired. They shall also be given instructions on fire fighting techniques and given safety precautions to ensure their well being. The training of on-site personnel in firefighting techniques, fire prevention, response and the fire protection aspects of this Site Operating Plan will be provided by local fire departments or other established professionals on an annual basis.

Training shall include fighting all types of fires (including vehicle fires) that could occur from material deposited in the transfer station. The local fire department will be given information on the types of materials that it is possible for the Medical Waste Facility to contain so that the Fire Department may use proper techniques. Personnel will be familiar with the use and limitations of firefighting equipment available on-site. Records of this training will be included in the operating record. Personnel will not attempt to fight the fire alone or without adequate personal protective equipment.

5.3.5 FIRE FIGHTING METHODS - There are four components necessary to start and sustain a fire: (1) Fuel or Reducing Agent; (2) Heat; (3) Self-sustaining chemical reaction; and (4) Oxygen or oxidizing agent. A fire can be extinguished by taking away any of those four components. The

most common methods available to accomplish this by facility personnel are as follows:

- Chemical Flame Inhibition - This utilizes dry chemical or halogenated agents to interrupt the combustion reaction and stop flaming. This method is effective on gas and liquid fuels because they must flame to burn. Chemical flame inhibition can be provided by the hand-held fire extinguishers that are provided at the facility. Small fires might be controlled with these extinguishers.
- Application of Water - The application of water does several things to help extinguish a fire. First of all, water vaporizes when it comes into contact with the fire and the conversion from a liquid to steam absorbs massive amounts of heat. Without heat, the fuel no longer has the conditions required to sustain the fire. In addition, the steam also dilutes the oxygen in the air and can lower it to a concentration below the minimum amount that is required for the flame to burn. The application of water can be provided by on-site water hoses using the pressurized water provided to the facility by the City of Center's water distribution system.
- Fuel Removal - Removing fuel that is in the path of the fire will help to contain fire and prevent its spread. If it can be done safely, burning material should be separated from other waste. Similarly, if a fire is too large to be effectively extinguished it may be more feasible to isolate it and allow it to burn until all of its fuel is consumed, at which point the fire will self-extinguish.

5.3.6 TCEQ NOTIFICATION - After any fire (related to waste management activities that cannot be extinguished within 10 minutes of discovery) occurs, the TCEQ regional office will be contacted. The notification to the regional office will include:

- Contacting by telephone as soon as possible, but no later than 4 hours following fire discovery, and
- Providing a written description of the cause and extent of fire and the resulting fire response within 14 days of the fire detection.

The facility will provide to the appropriate TCEQ regional office as much information as possible regarding the fire and fire-fighting efforts, as soon as possible after the fire occurs. The fire prevention and fire control procedures for the facility will be revisited following the occurrence of a significant fire to determine if modifications are warranted.

5.4 ACCESS ROADS, VEHICLE PARKING, AND SAFETY MEASURES [30 TAC §326.75(g)(2)] - The proposed R&J Recycling and Disposal Medical Waste Facility will be located within the boundaries of the existing R&J Recycling and Disposal Transfer Station. The transfer station is equipped with all-weather drives to allow vehicular access to the facility from FM 2468. This roadway has been designed to accommodate the expected traffic flow and is equipped with two travel lanes to provide safe on-site access for commercial collection vehicles. The paved entry driveways and gravel surface will eliminate dust and mud being tracked to and from the facility. The roadway design includes adequate turning radii for vehicles that will use the roadway and to avoid the disruption of normal traffic patterns. Adequate vehicle parking is also provided for employees, visitors, and equipment. Access to the Medical Waste Facility Building will only be provided during waste acceptance hours when an attendant is present; and entrance gates will be locked when the facility is unattended. Safety bumpers at hoppers will be provided, where applicable. An attendant shall be on-site during operating hours. The operating area within the Medical Waste Building will be enclosed by walls and all transport unit storage areas are enclosed by walls and/or fencing..

The existing Transfer Station is surrounded by a security fence and access is controlled via two gates that are monitored during operating hours (or locked on any occasion where the facility is not in operation). Traffic will enter through the facility's gates and proceed to the Medical Waste Building. Appropriate signage will be utilized to indicate where medical waste vehicles are to unload. Additional signage will be posted to discourage indiscriminate dumping. The unloading area of the Medical Waste

Facility will be monitored by the facility supervisor (or approved designee). It is the responsibility of the facility supervisor to inform persons using the transfer station when they are violating the regulations of the transfer station. If they refuse to take corrective action or continue to violate those regulations, the supervisor shall immediately notify the Shelby County Sheriff's Office and/or the Center Police Department at 911 and request assistance. The Sheriff's Department and Center Police Departments can also be reached (936) 598-5600 and (936) 598-2788, respectively.

- 5.5 UNLOADING OF WASTE [30 TAC §326.75(h)]** - The unloading of medical waste will be confined to designated unloading area within the proposed Medical Waste Facility building. An attendant will monitor all incoming loads of waste. Appropriate signage and/or facility personnel will direct vehicles to the appropriate unloading areas. This facility is not required to accept any medical waste that may cause problems in maintaining compliance with the Site Operating Plan. If unacceptable wastes are identified they will be refused and returned to their place of origin for proper handling. Pathological, non-hazardous pharmaceutical, and trace chemotherapeutic wastes may be stored and processed at the facility.

The unloading of waste in areas not specified for this activity will be prohibited. Should any waste be deposited in an unauthorized area, it will be removed immediately and treated, stored, or disposed of properly.

The unloading of prohibited wastes at the Facility will not be allowed. Prohibited waste will be returned immediately to the transporter or generator of the waste or transported to an appropriately permitted facility.

To prevent the exceedance of the requested maximum waste storage volume, all excess waste will be diverted/transferred to a TCEQ-approved facility for treatment, storage, or disposal.

- 5.6 RECORDING OF APPLICABLE ALTERNATIVE HOURS [30 TAC §326.75(i)(3)]** - Not applicable.

- 5.7 SIGNS AT FACILITY ENTRANCE [30 TAC §326.75(j)]** - A sign for the proposed R&J Recycling and Disposal Medical Waste Facility will be conspicuously displayed at both entrances to the R&J Recycling and Disposal Transfer Station. The signs will each measure at least four feet by four feet with letters at least three inches in height stating the facility name; type of facility; the hours and days of operation; the authorization number of the facility; and facility rules.

- 5.8 CONTROL OF WINDBLOWN MATERIAL AND LITTER [30 TAC §326.75(k)]** - The existing R&J Recycling and Disposal Transfer Station is completely enclosed by a chain link fence. The facility and surrounding area is patrolled by facility personnel at least once per day on days when the facility is in operation and cleaned of any windblown material.

Processing and storage areas of the proposed R&J Recycling and Disposal Medical Waste Facility are completely enclosed and any waste stored outside of the building will be stored in a completely enclosed transportation container. As such, windblown litter is not anticipated at the Medical Waste Facility. However, site personnel will patrol the entire property (as described above) and any identified litter will be cleaned up the same day.

- 5.9 FACILITY ACCESS ROADS [30 TAC §326.75(l)]** - The facility is accessed by FM 2468, an all-weather paved roadway, and the R&J Recycling and Disposal Transfer Station is equipped with all-weather drives to allow vehicular access to the facility.

The presence of mud is not anticipated on the facility roadways or parking areas; however, if mud does become present, facility personnel will implement measures to minimize the tracking of mud and debris onto public roadways. Airborne dust is not anticipated to be a nuisance at the Facility; however, if airborne dust is observed facility personnel will implement measures, such as wetting of on-site roadways to prevent dust from becoming airborne.

The on-site drives and parking areas are maintained by the owner/operator. FM 2468 is maintained by TxDOT. The owner/operator will coordinate with TxDOT, as necessary, to ensure that depressions, ruts,

and potholes are addressed.

- 5.10 NOISE POLLUTION AND VISUAL SCREENING [30 TAC §326.75(m)]** - All processing and storage except enclosed trailer storage of waste to be processed on-site or transported to an off-site facility will be conducted inside of the enclosed Medical Waste Building to prevent potential noise and visual impacts. All other activities, such as transportation and maintenance activities, are not anticipated to produce noise pollution or adverse visual impacts. Buffer zones will aid in mitigation of noise and add to visual screening.

The proposed R&J Recycling and Disposal Medical Waste Facility will be located within the boundaries of the existing R&J Recycling and Disposal Transfer Station and will be screened by the transfer station's existing fence.

- 5.11 OVERLOADING AND BREAKDOWN [30 TAC §326.75(n)]** - The design capacity of the facility shall not be exceeded during operation. The facility shall not accumulate solid waste in quantities that cannot be processed within such time as will preclude the creation of odors, insect breeding, or harborage of other vectors. If such accumulations occur, additional solid waste shall not be received until the adverse conditions are abated.

If a significant work stoppage should occur due to a mechanical breakdown or other causes, the facility shall accordingly restrict the receiving of solid waste. Under such circumstances, incoming solid waste shall be diverted to an approved backup processing or disposal facility. If the work stoppage is anticipated to last long enough to create objectionable odors, insect breeding, or harborage of vectors, steps shall be taken to remove the accumulated solid waste from the facility to an approved backup processing or disposal facility.

In the event that the facility becomes inoperable for periods longer than 24 hours, all incoming untreated medical waste will be diverted or transferred to a TCEQ-approved facility for treatment, storage, or disposal. Treated waste will be hauled to an authorized facility for disposal.

- 5.12 SANITATION [30 TAC §326.75(o)]** - The facility will be connected to the City of Center's existing water distribution system in order to obtain potable water. Sanitary hand-washing facilities are available for all employees at the R&J Recycling and Disposal Transfer Station. Toilet facilities for the R&J Recycling and Disposal Medical Waste Facility building will be provided by portable toilet (porta potty) that will be emptied regularly by vacuum truck and the contents transported to a TCEQ approved facility for final disposal.

All working surfaces that come in contact with wastes shall be washed down on at least a weekly basis at the completion of processing. The operator may use an Environmental Protection Agency (EPA)-approved disinfectant for cleaning of all surfaces that come into contact with untreated medical waste in the event of a spill. Processing areas that operate on a continuous basis shall be swept daily and washed down at least twice per week.

In order to prevent the creation of odors or an attraction to vectors, wash water will not be allowed to accumulate on-site; rather, it will be directed to an oil-sand separator and contaminated water holding tank. The holding tank will be emptied as-needed and its contents hauled via vacuum truck (operated by a third-party hauler) to a TCEQ approved facility for final disposal.

- 5.13 VENTILATION AND AIR POLLUTION CONTROL [30 TAC §326.75(p)]** - The R&J Recycling and Disposal Medical Waste Facility building will be a covered building with adequate ventilation. Air emissions from the Medical Waste Facility building are not expected to cause or contribute to a condition of air pollution as defined in the Texas Clean Air Act. The operator will prevent nuisance odors from leaving the boundary of the facility. All medical waste processing units will be controlled and contained in an enclosed building which will assist in the control of potential odors. Treated waste storage will be contained in roll-off containers equipped with covers for vector and nuisance odor control and to prevent treated medical waste contact with precipitation, and wind. The roll-off containers will be covered when not being actively loaded. Any free liquids received at the facility shall be packaged with sufficient sorbent material to absorb 100% of the free liquids within the package in accordance with

49 Code of Federal Regulations (CFR) 173.197(c)(2). Therefore, there will be no free liquids generated during potential spills which will assist in the control of potential nuisance odors. Contaminated waters will not be generated from processing equipment. Any contaminated wash water generated at the facility will be controlled by concrete floors and rollover curbs that will direct contaminated water to the central drain, thence to the oil/sand separator and holding tank. All accumulated wastewater will be disposed off-site at a TCEQ-authorized facility. If nuisance odors are found to be passing the facility boundary, the operator may suspend operations until the nuisance is abated or immediately take action to abate the nuisance.

This Facility will comply with all applicable regulations regarding air emissions and will obtain any required authorization from the TCEQ, Air Permits Division. This Facility will operate under 30 TAC §330 Subchapter U.

5.14 HEALTH AND SAFETY [30 TAC §326.75(q)] - Facility personnel shall be trained in the appropriate sections of the facility's health and safety plan.

5.15 DISPOSAL OF TREATED MEDICAL WASTE [30 TAC 326.75(r)] - As provided by 30 TAC §326.75(r), treated microbiological waste, blood, blood products, body fluids, laboratory specimens of blood and tissue, and animal bedding may be disposed of in a permitted landfill. The owner/operator will dispose of treated medical waste in a permitted landfill.

Any markings that identify the waste as a medical waste will be covered with a label that identifies the waste as treated medical waste before disposal. The identification of the waste as treated may be accomplished using color-coded, disposable containers for the treated waste or by a label that states that the contents of the disposable container have been treated in accordance with the provisions of 25 TAC §1.136.

Treated waste will be accompanied by a shipping document that includes a statement that the medical waste was treated in accordance with 25 TAC §1.136 (relating to Approved Methods of Treatment and Disposition).

This facility will not be equipped with an incinerator. Therefore, no incinerator ash will be generated at this facility.

Treated carcasses and body parts of animals designated as a medical waste may, after treatment, be disposed of in a permitted landfill in accordance with Chapter 330 of this title. The collection and transportation of these wastes shall conform to the applicable local ordinance or rule, if such ordinance or rule is more stringent than this subsection.

Treated recognizable human body parts, tissues, fetuses, organs, and the products of human abortions, spontaneous or induced, shall not be disposed of in a municipal solid waste landfill. These items shall be disposed of in accordance with the provisions of 25 TAC §1.136(a)(4).

Sharps treated and containerized with one of the approved methods as described under 25 TAC §1.136(a)(5) shall be disposed of in a permitted landfill in accordance with Chapter 330 of this title. Unused sharps shall be disposed of as treated sharps.

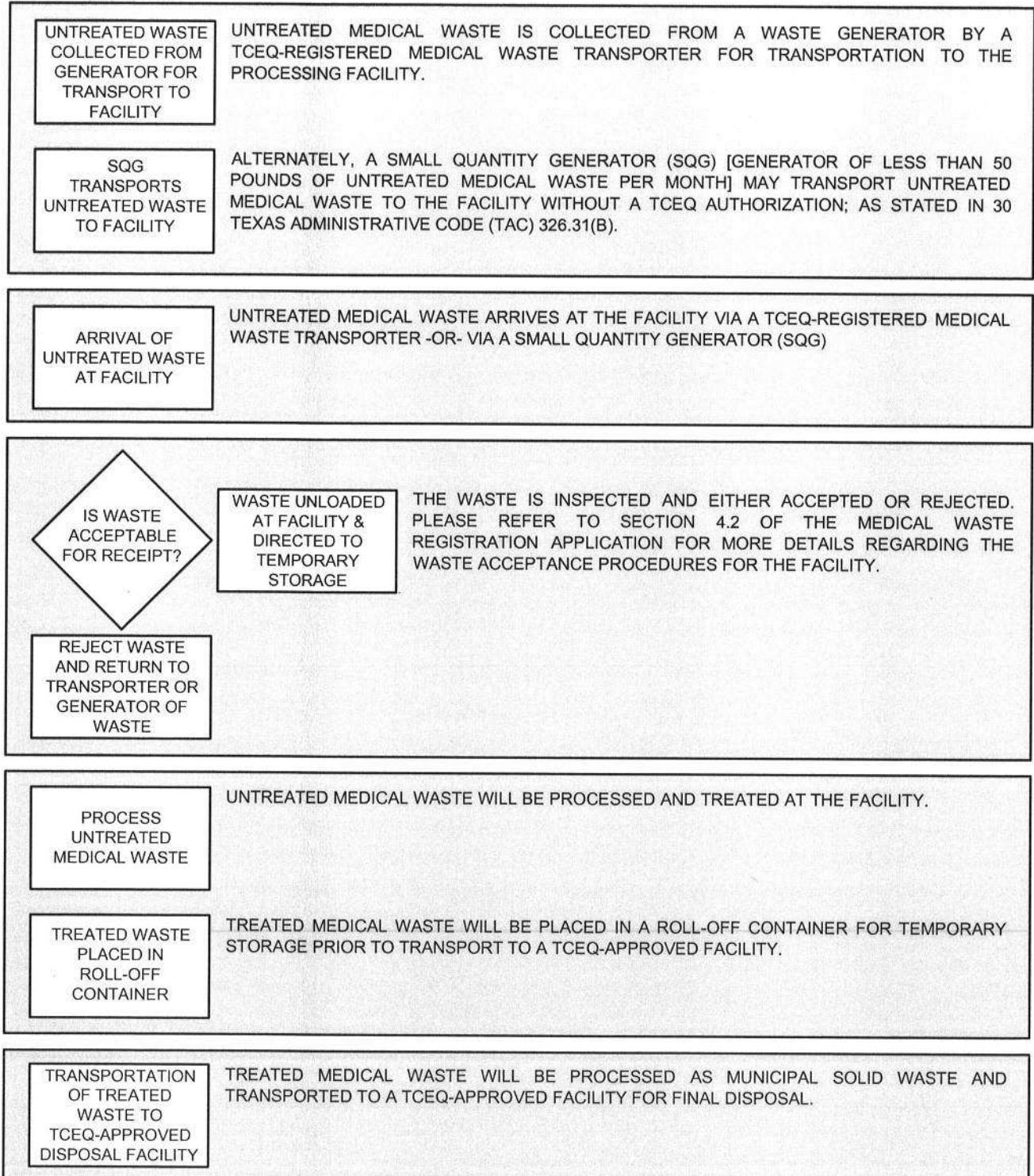
5.16 FINANCIAL ASSURANCE [30 TAC §326.71(n)] - The following sections address financial assurance for each phase of operation:

- Prior to Initial Receipt of Waste - A copy of the documentation required to demonstrate financial assurance as specified in Chapter 37, Subchapter R of this title (relating to Financial Assurance for Municipal Solid Waste Facilities) shall be submitted 60 days prior to the initial receipt of waste.
- During Operational Life of the Facility - Continuous financial assurance coverage for closure must be provided until all requirements of the final closure plan have been completed and the facility is determined to be closed in writing by the executive director.

- 5.17 NOTICE OF CLOSURE [30 TAC §326.71(l)(1)]** - No later than 90 days prior to the initiation of a final facility closure, the owner or operator shall, through a published notice in the newspaper(s) of largest circulation in the vicinity of the facility, provide public notice for final facility closure. This notice shall provide the name, address, and physical location of the facility; the registration number, as appropriate; and the last date of intended receipt of waste. The owner or operator shall also make available an adequate number of copies of the approved final closure plan for public access and review. The owner or operator shall also provide written notification to the executive director of the intent to close the facility and place this notice of intent in the operating record.
- 5.18 SIGN INSTALLATION [30 TAC §326.71(l)(2)]** - Upon facility closure notification to the executive director, the required signs will be posted at the main entrance and all other frequently used points of access for the facility notifying all parties that may utilize the facility about the proposed closing date. The signs will state that after the closing date, acceptance of waste at the facility will be prohibited. After the date of closure, the gates will be shut and locked to prevent unauthorized dumping.
- 5.19 CERTIFICATION OF CLOSURE [30 TAC §326.71(l)(3)]** - Within ten days after completion of final closure activities of a facility, the owner and operator shall submit to the executive director by registered mail:
- (A) Certification - A certification, signed by an independent licensed professional engineer, verifying that final facility closure has been completed in accordance with the approved closure plan. The submittal to the executive director shall include all applicable documentation necessary for certification of final facility closure; and
 - (B) Request for Voluntary Revocation - A request for voluntary revocation of the facility registration will be made at the time of closure.
- 5.20 FACILITY SURFACE WATER DRAINAGE [30 TAC §326.71(f)(1)-(3)]** - In keeping with the requirements of 30 TAC §326.71(f)(1)-(3), the owner/operator will ensure that the facility will be constructed, maintained, and operated to manage run-on and run-off during the peak discharge of a 25-year rainfall event. Operations will occur within the enclosed Medical Waste Building which will protect against rainfall. The ground surrounding the Medical Waste Building will also be contoured such that stormwater runoff will be directed around or away from the building. In addition, the entrances to the building will be equipped with roll-over curbs that will provide a physical barrier to prevent runoff from entering the building. This will prevent the off-site discharge of waste and feedstock material, including, but not limited to, in-process and/or processed materials. It will also minimize surface water running onto, into, and off the treatment area. The owner/operator will obtain the appropriate Texas Pollutant Discharge Elimination System storm water permit coverage if required.

ATTACHMENT 7 NARRATIVE FOR PROCESS FLOW DIAGRAM

THE PROCESS FLOW DIAGRAM ILLUSTRATES THE STORAGE, PROCESSING, TRANSFERRING, AND DISPOSAL SEQUENCES FOR THE MEDICAL WASTE ANTICIPATED AT THE PROPOSED R&J MEDICAL WASTE FACILITY. THE FOLLOWING NARRATIVE IS PROVIDED FOR EACH ELEMENT IN THE PROCESS FLOW DIAGRAM:



Texas Commission on Environmental Quality
Application for a Medical Waste Registration
R&J Recycling & Disposal Medical Waste Facility

Registration 40325

Center, Shelby County, Texas

Initial Application Date: 10/21/2021

Application Revision Date: 01/25/2022

Prepared for

Stacy Wershing (Owner/Operator)

306 FM 2468

Center, Texas 75935

Prepared by

Bob Staehs, P.E.

Everett Griffith, Jr. & Associates, Inc.

Firm No. F-1156

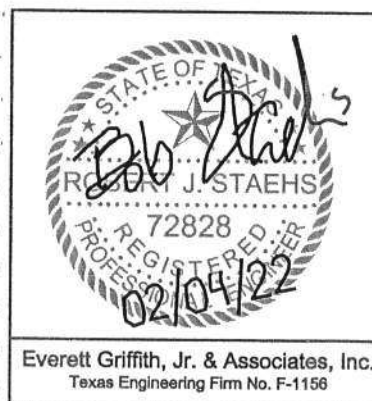
408 North Third Street

Lufkin, Texas 75902



Table of Contents

Section 1— General Information	3
1.1 Facility Information (must match regulated entity information on Core Data Form)	3
1.2 Applicant Information	3
1.3 Governmental Entities Information	4
1.4 Posting of Application on Website [30 TAC §326.69(e)]	6
1.5 Copy of Application for Public Viewing	6
1.6 Notice of Opportunity to Request Public Meeting	7
1.7 Application Fee	7
1.8 Facility Supervisor's License [30 TAC §326.71(c)]	7
Section 2— Facility Design Information	8
2.1 Impact on Surrounding Area [30 TAC §326.71(a)(5)(A) & (B)]	8
2.2 Transportation [30 TAC §326.71(e)]	9
2.3 Floodplain and Wetlands [30 TAC §326.71(f)]	11
2.4 Buffer Zones and Easement Protection [30 TAC §326.71(h)(3)]	11
2.5 Waste Management Unit Designs [30 TAC §326.71(i)]	11
2.6 Treatment Requirements [30 TAC §326.71(j)]	13
Section 3— Facility Closure	14
3.1 Closure Plan [30 TAC §326.71(k)]	14
3.2 Closure Cost Estimate [30 TAC §326.71(m)]	14
Section 4— Site Operating Plan	13
4.1 General [30 TAC §326.75(a)]	13
4.2 Waste Acceptance [30 TAC §326.75(b)]	14
4.3 Generated Waste [30 TAC §326.75(c)]	15
4.4 Access Control [30 TAC §326.75(g)]	15
4.5 Operating Hours [(30 TAC §326.75(i)]	17
Section 5— Other Site Operating Plan, Financial Assurance, and Closure Requirements	18
Section 6— Applicant Certification and Signature	17
Certification by Applicant or Authorized Signatory [30 TAC §305.44]	17
Applicant's Delegation of Signature Authority [30 TAC §305.43]	17
Section 7— Property Owner Affidavit	18
Affidavit [30 TAC §326.71(b)]	18
Attachments	19
Instructions	21
How to Use this Form	21
Where to Submit this Form and Get Help	21
Engineer Seal and Firm Number	21
Certification and Signatures	21
Required Attachments	21
Additional Attachments (as applicable)	23



Section 1—General Information

1.1 Facility Information (must match regulated entity information on Core Data Form)

Facility Name: R&J Recycling And Disposal Medical Waste Facility

Regulated Entity Reference No. (if issued): RN PENDING

Physical or Street Address (if available): 306 FM 2468

City: Center County: Shelby State: TX Zip Code: 75935

(Area Code) Telephone Number: (936) 591-9695 Email Address: jirybarren@gmail.com

Latitude (Degrees, Minutes, Seconds, or Decimal Degrees): 31°48'41.32"N (or 31.8115°N)

Longitude (Degree, Minutes, Seconds, or Decimal Degrees): 94°10'35.16"W (or 94.1764°W)

Activities Conducted at the Facility (check all that apply)

☐ Storage ☒ Treatment ☒ Transfer ☐ Other: _____

Describe the location of the facility with respect to known or easily identifiable landmarks:

The facility located on FM 2468 approximately 830 feet northwest of the intersection of FM 2468 and FM 699 in Shelby County, Texas in the city of Center, Texas

Detail access routes from the nearest United States or state highway to the facility:

The nearest highway is SH 7. From the intersection of SH 7 and Loop 500 located north of the city of Center, go approximately 0.53 miles north west on Loop 500 to FM 699; thence approximately 0.70 miles south on FM 699 to FM 2468; thence approximately 830 feet northwest along FM 2468 to the facility.

1.2 Applicant Information

The owner of a facility is the applicant, to whom the registration would be issued.

Owner of Facility (must match customer information on Core Data Form)

Owner Name: Stacy Wershing

Contact Person's Name: Stacy Wershing Title: Owner

Customer Reference No. (if issued): CN603019555

Mailing Address: P.O. Box 2047

City: Center County: Shelby State: Texas Zip Code: 75935

(Area Code) Telephone Number: (936) 591-9695 Email Address: jirybarren@gmail.com

Operator of Facility (if not the same as Owner of Facility)

Operator Name: Same as Owner

Contact Person's Name: Same as Owner Title: Same as Owner

Customer Reference No. (if issued): CN Same as Owner

Mailing Address: Same as Owner

City: Same as Owner County: Same as Owner State: _____ Zip Code: _____

(Area Code) Telephone Number: Same as Owner Email Address: Same as Owner

Consultant (if applicable)

Firm Name: Everett Griffith, Jr. & Associates, Inc.

Texas Board of Professional Engineers Firm Registration Number: F-1156

Contact Person's Name: Bob Staehs Title: P.E.

Texas Board of Professional Engineers License Number (if applicable): 72828

Mailing Address: P.O. Box 1746

City: Lufkin County: Angelina State: Texas Zip Code: 75902

(Area Code) Telephone Number: (936) 634-5528 Email Address: bstaehs@everettgriffith.com

1.3 Governmental Entities Information

Texas Department of Transportation

District: Lufkin

District Engineer's Name: Kelly O. Morris, P.E.

Street Address or P.O. Box: 1805 N. Timberland Drive

City: Lufkin County: Angelina State: TX Zip Code: 75901

(Area Code) Telephone Number: (936) 633-4321 Email Address: kelly.morris@txdot.gov

Local Government Authority Responsible for Road Maintenance (if applicable)

Agency Name: TxDOT

Contact Person's Name: Clint Norton (Maintenance Supervisor)

Street Address or P.O. Box: 638 SH 7 E.

City: Center County: Shelby State: TX Zip Code: 75935

(Area Code) Telephone Number: (936) 598-4113 Email Address: clint.norton@txdot.gov

City Mayor

City Name: City of Center, Texas

City Mayor's Name: The Honorable David Chadwick

Mailing Address: 617 Tenaha Street

City: Center County: Shelby State: TX Zip Code: 75935

(Area Code) Telephone Number: (936)598-2941 Email Address: dchadwick@centertexas.org

Council of Governments (COG)

COG Name: Deep East Texas Council of Governments (DETCOG)

COG Representative's Name: Judge Allison Harbison

COG Representative's Title: Shelby County Judge

Street Address or P.O. Box: 210 Premier Dr.

City: Jasper County: Jasper State: TX Zip Code: 75951

(Area Code) Telephone Number: (409) 384-5704 Email Address: lhunt@detcog.org

Local Government Jurisdiction

Is the facility located outside the territorial limits or extraterritorial jurisdiction of a city or town? (30 TAC §326.67(a)) Yes ☐ No ☒

If yes, and county requires a license, you must obtain a license from the county, and the county must send a copy of the license to the appropriate TCEQ regional office.

City Health Authority (if applicable)

Agency Name: N/A

Contact Person's Name: N/A

Street Address or P.O. Box: N/A

City: N/A County: N/A State: TX Zip Code: N/A

(Area Code) Telephone Number: N/A Email Address: N/A

County Judge Information

County Judge's Name: Honorable Allison Harbison

Street Address or P.O. Box: 200 San Augustine Box 6

City: Center County: Shelby State: TX Zip Code: 75935

(Area Code) Telephone Number: 936-598-3863 Email Address: n/a

County Health Authority (if applicable)

Agency Name: Public Health Region 4 and 5 North

Contact Person's Name: Sharon Huff, MD, MS (Regional Director)

Street Address or P.O. Box: 2521 W Front St

City: Tyler County: Smith State: TX Zip Code: 75702

(Area Code) Telephone Number: (903) 533-5264 Email Address: sharon.huff@dshs.texas.gov

State Representative

House District Number: 9

Representative's Name: Chris Paddie

District Office Address: 102 West Houston St.

City: Marshall County: Harrison State: TX Zip Code: 75670

(Area Code) Telephone Number: (903) 935-1141 Email Address: _____

State Senator

Senate District Number: 3

State Senator's Name: Robert Nichols

District Office Address: 329 Neches Street

City: Jacksonville County: Cherokee State: TX Zip Code: 75766

(Area Code) Telephone Number: (903) 589-3003 Email Address: _____

1.4 Posting of Application on Website [30 TAC §326.69(e)]

Provide the web address (URL) of the publicly accessible internet website where the application and all revisions will be posted:

http://www.rolloffgarbage.com

1.5 Copy of Application for Public Viewing

Name of the Public Place: Fannie Brown Booth Memorial Library

Physical Address: 619 Tenaha Street

City: Center County: Shelby State: TX Zip Code: 75935

(Area Code) Telephone Number: (936) 598-5522

1.6 Notice of Opportunity to Request Public Meeting

Notice Requirement

The owner or operator is required by 30 TAC §326.73 to provide notice of the opportunity to request a public meeting, and to post notice signs.

Indicate the party responsible for publishing notice:

☒ Applicant (Owner or Operator) ☐ Consultant

1.7 Application Fee [30 TAC §330.59(h)(2)]

The application fee for a registration is \$150.

Indicate how the application fee was paid. Attach a photocopy of the check or a copy of the electronic payment receipt.

Check ☒ Online ☐

If paid online, e-Pay confirmation number: N/A

1.8 Facility Supervisor's License [30 TAC §326.71(c)]

Indicate the type of license that the Solid Waste Facility Supervisor (as defined in 30 TAC Chapter 30), will obtain prior to commencing facility operations:

Class A ☐ Class B ☒

Section 2—Facility Design Information

2.1 Impact on Surrounding Area [30 TAC §326.71(a)(5)(A) & (B)]

This section addresses the facility's impacts on cities, communities, groups of property owners, or individuals (attach additional pages to answer the following questions, if necessary):

Describe the character of the surrounding area land uses within one mile of the facility:

The proposed medical waste facility will be located within the boundaries of the existing R&J Recycling and Disposal Transfer Station. The transfer station is located within the incorporated limits of the city of Center in an area that is zoned for 'Manufacturing'. The properties located to the north and west of the facility are also zoned for manufacturing, while the property immediately south of the site is zoned "General Commercial". The property immediately to the east of facility is located outside of the city limits and is not zoned; however, it is currently undeveloped and being utilized as pasture.

A total area of approximately 2,280 acres lies within 1 mile of the facility's boundaries. Approximately 1,406 acres (62%) of this area is located within the incorporated limits of the city of Center, Texas. A copy of the 2021 City of Center Zoning Map has been attached with this application; for reference, that map has been modified to include an overlay showing the boundaries of the project site and a 1 mile radius from them. Land use in these areas are assumed to correspond to their current zoning. The remaining 874 acres (38%) of the area within a mile of the facility lies outside of the city limits in the un-incorporated areas of Shelby County, Texas. Land use there is estimated from aerial photographs of the area and on-ground observations.

Based on the above information, the area within 1 mile of the facility's boundaries can generally be broken down into the following land uses: approximately 12% commercial use; approximately 14% manufacturing; approximately 35% residential areas; approximately 37% undeveloped or agricultural usage; and approximately 2% occupied by water areas (such as ponds). Please refer to the attached land use maps for more information.

Identify growth trends within five miles of the facility with directions of major development:

A review of aerial photos taken over the last two decades shows that the majority of the growth that has occurred within five miles of the facility has taken place within the City of Center. Specifically, the majority of residential and commercial growth in the area has occurred to the southwest of the project site within the City of Center along Hurst Street (Highway 96) in a northwesterly direction from the intersection of Hurst Street with Highway 7. The recent extension of Loop 500 has also spurred limited commercial growth to the east of the project site in a narrow strip along Loop 500 starting at its intersection with Highway 87 and extending north along the loop to its intersection with Highway 7.

The population projections for the City of Center as obtained from the Texas Water Development Board (TWDB) 2021 Regional Water Plan were utilized to get an indication of potential future growth in the area. The TWDB projections expect a population growth of

7.55% over the next decade. Positive population growth is expected through the Year 2070, with the overall growth rate declining from the high of 7.55% to 4.37% in the decade between 2060 and 2070.

Indicate the approximate number of residences and other uses (e.g. schools, churches, cemeteries, historic structures and commercial sites, etc.) within one mile of the facility:

The Environmental Protection Agency's EJScreen website was consulted for information regarding population densities within a one-mile radius of the facility. Based on that information, there are approximately 760 housing units within a mile of the facility and a corresponding population of approximately 1,416 people. EJScreen lists the population density of the area to be 474 people per square mile.

Portions of the City of Center, Texas lie within a 1 mile radius of the facility. As a result, there are numerous commercial establishments within a mile of the facility. Center Middle School is located approximately 0.70 miles southwest of the facility and the Center Special Education campus is located approximately 0.75 miles southwest of the facility. There are several churches located within 1 mile of the facility: Open Door Baptist Church and CME Church Lanetown are located approximately 0.49 miles to the south; Central Baptist Church is located approximately 0.62 miles to the south; Heritage Baptist Church is located approximately 0.79 miles to the southwest; Carroll's Chapel CME Church is located approximately 0.95 miles to the south; New Life Church is located approximately 1.00 mile to the southwest; and First United Methodist Church is located 1.00 mile to the south. There is one known cemetery located approximately 1.0 mile to the south of the facility. There are no known historic structures located within 1.0 mile of the facility.

Indicate the distance to the nearest residence(s): 730 ☒ feet ☐ miles

Provide directions to the nearest residence(s):

The nearest residence is located approximately 730 feet to the northeast of the facility's boundary.

Indicate the distance to the nearest commercial establishment(s): 150 ☒ feet ☐ miles

Provide directions to the nearest commercial establishment(s):

The nearest commercial building is located approximately 150 feet southwest of the facility's boundary.

2.2 Transportation [30 TAC §326.71(e)]

Access Roads

Complete Table 1 regarding the roads that will be used to access the site.

Table 1. Roads That Will be Used to Access the Site.

Name of Road	Surface Type and Number of Lanes
FM 2468 (directly accesses the facility)	Asphalt; Two lanes

Name of Road	Surface Type and Number of Lanes
FM 699 (roadway within 1 mile of the facility)	Asphalt; Two lanes
Loop 500 (major roadway within 1 mile of facility)	Asphalt; Two travel lanes, one turn lane, paved shoulders

Daily Traffic Volume

Complete Table 2 regarding existing and expected volume of vehicular traffic on access roads within one mile of the facility, and the projected volume of traffic expected to be generated by the facility on access roads within one mile of the facility.

Table 2. Traffic Volume.

Vehicle Traffic	Volume (vehicles per day)
Existing Vehicle Traffic	<p>Note: Average. Annual Daily Traffic (AADT) listed below was obtained from TxDOT (2019 District Traffic data)</p> <p>FM 2468 directly accesses the site (1,013 AADT)</p> <p>FM 699: 1,090 AADT (0.58 mi. SE of site)</p> <p>FM 699: 1,769 AADT (0.59 mi. SW of site)</p> <p>Loop 500: 2,690 AADT (1.12 mi. NW of site)</p> <p>Loop 500: 3,142 AADT (1.08 mi. NE of site)</p>
Expected Vehicle Traffic	<p>Based on a growth rate 7.55% for the decade, the following estimates apply to the roadways by the Year 2030: 1,090 AADT for FM 2468; 1,905 AADT for FM 699; and 3,380 AADT for Loop 500</p>
Projected Vehicle Traffic Generated by Facility	<p>Approximately 2 per day at start up.</p> <p>Ultimately 50 per day in the Year 2030 when the maximum of 35 tons/day is expected to be reached</p>

Describe the source of or method used to obtain the volumes (attach additional pages to answer this question if necessary):

The Average. Annual Daily Traffic (AADT) counts were obtained from TxDOT District Traffic Counts. Increase in traffic to the Year 2030 was based on the 7.55% growth projection for the decade as noted in Section 2.1 (above).

If traffic volume was determined by counts in the field, indicate the locations where the counts were conducted (attach additional pages to answer this question if necessary):

Locations of traffic counts are indicated in Table 2 (above)

2.3 Floodplain and Wetlands [30 TAC §326.71(f)]

Will the facility be located within a 100-year floodplain?

Yes ☐

No ☒

Identify the floodplain zone N/A

Attach a copy of the Federal Emergency Management Administration administrator (FEMA) flood map for the area.

If the facility will be within a 100-year floodplain, attach documentation demonstrating that the facility is designed and will be operated in a manner to prevent washout of waste during a 100-year storm event, or that the facility has obtained a conditional letter of map amendment from the FEMA.

Will the facility be located in wetlands?

Yes ☐

No ☒

If yes, attach documentation to the extent required under Clean Water Act, §404 or applicable state wetlands laws.

2.4 Buffer Zones and Easement Protection [30 TAC §326.71(h)(3)]

Is the buffer zone in any location at the facility less than 25 feet wide?

Yes ☐

No ☒

If yes, describe your alternative buffer zone and how it will allow access for emergency response and maintenance (attach additional pages to answer this question if necessary):

N/A

2.5 Waste Management Unit Designs [30 TAC §326.71(i)]

Waste Management Unit Details

List each waste management unit in Table 3. Include attachments documenting manufacturer specifications.

Table 3. Design Details and Manufacturer Specifications for Waste Management Units.

Unit Type	Minimum Number of Units	Design Details	Approximate Dimensions	Approximate Capacity per Unit
AMB Ecosteryl Shredding & Microwave Unit (or equivalent)	1	Moist heat disinfection – shredding and microwave sterilization	40'-0" L 12'-0" W 17'-0" H	660 pounds per 1-hour cycle

Unit Type	Minimum Number of Units	Design Details	Approximate Dimensions	Approximate Capacity per Unit
Roll off container	1	Coverable, typical	22'-11" L 7'-9" W 4'-6" H	20 cubic yards
Contaminated Water Holding Tank	1	Polyethylene, Plastic, Double-walled, Storage Tank	3.5' DIA. 7' L	500 gallons
Waste Cart	1	Plastic, Wheeled	2' x 4'x 4'	1.2 cubic yards

Foundations and Supports

Provide a generalized description of construction materials for slab and subsurface supports of all storage and processing components (attach additional pages to answer this question if necessary):

Medical waste processing, transfer, and storage will be conducted inside the proposed Medical Waste building at the R&J Recycling and Disposal Transfer Station. The proposed metal building will be equipped with an 8" thick concrete slab. The slab will be capable of supporting the building, processing units, storage units, and all proposed operations. The waste processing units will sit directly on the building foundation.

Contaminated Water Management

Describe how storage and processing areas will be designed to control and contain spills and prevent contaminated water from leaving the facility. For unenclosed containment areas, also account for precipitation from a 25-year, 24-hour storm (attach additional pages to answer this question if necessary):

All medical waste transfer operations and processing will be conducted inside of the proposed Medical Waste building at the existing R&J Recycling and Disposal Transfer Station. The surrounding ground will be contoured to slope away from the building in order to divert runoff away from the facility. The enclosed metal building will be equipped with three 16 feet wide by 16 feet tall roll-up doors that can be closed if needed to shield the entries from windblown rainfall. Each entry will also be equipped with a roll-over curb to prevent any outside runoff from entering the building and to prevent any wash water from flowing out.

The proposed medical waste processing equipment will not generate wastewater. Any free liquids received at the facility shall be packaged with sufficient sorbent material to absorb 100% of the free liquids within the package in accordance with 49 Code of Federal Regulations (CFR) 173.197(c)(2). Therefore, there will be no free liquids generated during potential spills.

The floor of the building will slope toward a central drain to collect any washwater that might occur inside the building and direct it to the oil-sand separator and holding tank. The oil-sand separator and holding tank will be below-ground closed-top tanks with a maximum storage volume of 500 gallons each and will be located outside near the southwest corner of the building. The holding tank will be emptied on an as-needed basis by vacuum truck and the contents hauled by a certified transporter to a TCEQ approved facility for disposal. The holding tank will be of double walled construction which will allow it to provide secondary containment should the primary inner tank be compromised. The tank will be sized so that the double wall structure will provide a minimum of 110% containment around the primary tank, which will be sufficient to control and contain a worst-case spill or release from that unit. In the unlikely event that a breach of both tank walls occurs, the unit will be repaired or replaced and all affected areas will be remediated by removing contaminated soil and transporting it to a TCEQ approved facility for disposal and then replacing it with clean backfill.

Treated waste will be stored in roll-off containers equipped with covers for vector and nuisance odor control and to prevent treated medical waste contact with precipitation and wind. The roll-off containers will be covered when not being actively loaded.

2.6 Treatment Requirements [30 TAC §326.71(j)]

Attach a written procedure for the operation and testing of any equipment used, and for the preparation of any chemicals used in treatment.

Section 3—Facility Closure

3.1 Closure Plan [30 TAC §326.71(k)]

The operator must comply with the closure requirements listed in 30 TAC §326.71(k).

List other activities that the facility will conduct during closure, if any (attach additional pages to answer this question if necessary):

All waste and any recovered materials or residues will be removed from the facility upon closure by the Owner/Operator. The waste processing units will be decontaminated, dismantled, and removed from the site. The equipment and processing areas of the facility will be disinfected. The Owner/Operator will complete closure of the facility within 180 days following the last acceptance of processed or unprocessed materials, unless otherwise directed or approved in writing by the executive director. No later than 90 days prior to the initiation of facility closure, the Owner/Operator will, through a public notice in the newspaper of largest circulation in the vicinity of the facility, provide public notice for final facility closure. The notice will include the name, address, and physical location of the facility; the permit, registration, or notification number, as appropriate, the last date of intended receipt of waste, and the number of copies of the approved final closure and post-closure plans for public access and review. The Owner/Operator will also provide written notification to the Executive Director of the intent to close the Facility and will place this notice of intent in the operating record. In addition to notification of the Executive Director, a minimum of one sign will be posted at the main entrance and all other frequently used points of access for the facility, notifying all persons who may utilize the facility of the date of closing for the entire facility and the prohibition against further receipt of waste materials after the stated date. Suitable barriers will be installed at all gates and access points to adequately prevent the unauthorized dumping of waste at the closed facility. Within ten days of completing final closure activities at the facility, the Owner/Operator will submit a certification, signed by an independent licensed professional engineer, verifying that final Facility closure has been completed in accordance with the approved Closure Plan. The owner or operator will submit to the executive director all applicable documentation necessary for certification of final facility closure. Upon final closure of this facility, the Owner/Operator will request a voluntary revocation of the facility registration.

3.2 Closure Cost Estimate [30 TAC §326.71(m)]

Provide itemized closure cost estimates in Table 4. The cost estimates must meet the requirements listed in 30 TAC §326.71(m).

Attach documents detailing any additional unit closure costs not itemized. Enter the total of those additional unit closure costs on line 13 of the closure cost worksheet in Table 4.

Table 4. Closure Cost Estimates Worksheet.

Item No.	Item Description	Unit of Measurement	Quantity	Unit Cost	Total Cost
1	Site Evaluation and Engineering Review	NA	1	1000	1000
2	Bid Document and Procurement	NA	1	1200	1200
3	Contract Award and Administration	NA	1	100	100
4	Clean-Up, Removal and Transport of Waste Stored On-Site	NA	1	11250	11250
5	Disposal of Waste at an Authorized Facility	TON	50	30	1500
6	Waste Treatment	TON	50	250	12500
7	Process Units Dismantling	NA	1	5600	5600
8	Wash Down and Disinfection of Facility and Processing Units	NA	1	4335	4335
9	Vector Control	NA	1	120	120
10	Site Security	NA	1	20	20
11	Signs, Newspaper Notice and TCEQ Notice	NA	1	200	200
12	Facility Inspection and Closure Certification by Licensed Engineer	NA	1	500	500
13	Additional Storage and Processing Unit Closure Cost Items (describe in attachments)	Disposal of 500 gallon contaminated water holding tank	NA	NA	325
14	Storage and Processing Unit Closure Costs Subtotal	NA	NA	NA	38650
15	Contingency Cost (15%)	NA	NA	NA	5798
16	Total Closure Cost Estimate	NA	NA	NA	44448

Section 4—Site Operating Plan

4.1 General [30 TAC §326.75(a)]

Provide the function and minimum qualifications for each category of key personnel to be employed at the facility including supervisory personnel in the chain of command (attach additional pages to answer this question if necessary):

Supervisor - The proposed medical waste facility will be located at the existing R&J Recycling and Disposal Transfer Station and will be overseen by the Transfer Station's existing supervisor. The Supervisor is licensed in accordance with Chapter 30, Subchapters A and F and holds and maintains a MSW Supervisor Occupational license Grade B or above. He is directly responsible to the facility's owner and oversees daily work operations, equipment maintenance and repair, and personnel safety.

Equipment Operator - The Equipment Operator will be stationed at the proposed Medical Waste building. The Operator is responsible for operating the facility in compliance with the Site Operating Plan. His duties include controlling access to the facility, screening incoming medical waste, operating the processing equipment, record keeping, managing waste flow, and general housekeeping. The minimum qualification for Equipment Operator is general facility and regulatory knowledge.

Describe the procedures that the operating personnel will follow for the detection and prevention regarding the receipt of prohibited wastes, including random inspections of packaging of incoming loads, records, and training (attach additional pages to answer this question if necessary):

A variety of procedures will be utilized to detect prohibited wastes and prevent their reception at the facility. These procedures include: (1) Random inspections of incoming loads; (2) Establishing contracts with customers that specifically detail allowable wastes versus those that are prohibited; (3) Record and manifest inspections; (4) Training personnel to recognize prohibited waste and informing facility customers of prohibited wastes.

Facility personnel will also inform waste transportation drivers of facility requirements and screening for prohibited wastes. This information may also be posted on facility signs or provided as a written list to customers and drivers.

If facility personnel identify prohibited waste (or portions of prohibited waste) within a collection vehicle, that vehicle (or portions of waste within that vehicle) will be rejected and immediately sent back to the waste generator.

4.2 Waste Acceptance [30 TAC §326.75(b)]

Describe all sources and characteristics of medical wastes to be received for storage and processing or disposal (attach additional pages to answer this question if necessary):

The proposed facility will accept, store, and process medical waste as defined in §326.3(23), trace chemotherapeutic waste, non-hazardous pharmaceutical waste, and other healthcare-related items that have come into contact with medical waste. Waste falling outside of that definition will be prohibited at this facility. Regulated hazardous wastes and regulated radioactive will not be accepted or processed at the Facility. Untreated waste in storage for 72 hours or more will be refrigerated to at least 45 degrees Fahrenheit or be transported off-site to an authorized facility for treatment. Acceptable medical waste will generally originate from health care institutions, hospitals, physician's offices, clinics, labs, and veterinary facilities. All medical waste will be transported by either the owner or operator or other properly registered haulers. Waste received at the facility will be accompanied by an approved manifest identifying the generator, address of origin, and number of containers. Medical waste (including trace chemotherapeutic waste, non-hazardous pharmaceutical waste, and sharps) will be stored and processed as a single waste stream.

Trained personnel will inspect each load of incoming waste to prevent prohibited wastes from being accepted at the facility. If unacceptable wastes are identified during inspection they will be refused and returned to their place of origin for proper handling. As noted in the previous paragraph, medical waste will be stored and processed as a single waste stream. After inspection, accepted untreated waste will be unloaded at the facility directly to temporary storage. It will then be processed; afterward, the treated waste will be placed in roll-off containers and transported offsite to a TCEQ approved facility for final disposal. Treated and untreated waste will be stored in covered containers in secure areas in order to prevent inadvertent human exposure.

There are no waste constituents or characteristics that could be a limiting parameter that may impact or influence the design and operation of this Facility; thus, no parameter limitations are specified herein.

Additionally, the owner/operator may allow small quantity generators (SQGs) [generators of less than 50 pounds of untreated medical waste per month] to transport sharps, sharps containers, and medical waste to the facility for treatment and disposal after acknowledging and signing an owner/operator-provided form listing all accepted and prohibited wastes of the Facility. This waste stream will be screened and accepted or rejected as described above. Facility personnel will ensure that loading and storage areas are secure from inadvertent human exposure.

Describe the sources and characteristics of recyclable materials, if applicable, to be received for storage and processing (attach additional pages to answer this question if necessary):

Not applicable

Maximum amount of waste to be received daily: 35 ☐ pounds/day ☒ tons /day

Maximum amount of waste to be stored at any point in time: 50 ☐ pounds ☒ tons

Maximum length of time waste is to remain at the facility: 30 ☐ hours ☒ days

Specify the maximum time that unprocessed and processed wastes will be allowed to remain on-site:

Processed: 7 ☐ hours ☒ days

Unprocessed: 72 ☒ hours ☐ days

Identify the intended disposition of processed and unprocessed waste received at the facility (attach additional pages to answer this question if necessary):

Treated waste will be sent to a TCEQ approved municipal solid waste landfill for disposal. Untreated medical waste will be managed in accordance with 25 TAC Subchapter K and applicable sections found in 30 TAC Chapter 326.

4.3 Generated Waste [30 TAC §326.75(c)]

Describe how all liquids and solid waste resulting from the facility operations will be disposed of in a manner that will not cause surface water and groundwater pollution (attach additional pages to answer this question if necessary):

All wash water will be directed into an on-site oil/sand separator and contaminated water holding tank located adjacent to the R&J Recycling and Disposal Medical Waste Facility building. The holding tank will be emptied on an as needed basis by vacuum truck and then transported by an authorized transporter to a TCEQ-authorized facility for final disposal. No wastewaters will be discharged from this facility. Management of wastewater will be in accordance with local, state, and federal requirements. No off-site discharge of contaminated waters are anticipated for this facility; off-site discharge of contaminated waters shall be made only after approval under the Texas Pollutant Discharge Elimination System authority.

All processed waste will be stored on-site in roll off containers with covers prior to its transport to and final disposal at a TCEQ approved facility. All necessary authorizations and approvals will be obtained and retained within the operating record at the site and a copy will be provided to the TCEQ. All solid waste resulting from the operation of the facility will be disposed of in a manner that will not cause surface water or groundwater pollution. All solid waste generated by the Facility will be processed and disposed at an authorized solid waste management facility.

4.4 Access Control [30 TAC §326.75(g)]

Describe how public access to the facility will be controlled (attach additional pages to answer this question if necessary):

The proposed R&J Recycling and Disposal Medical Facility will be located within the proposed Medical Waste Building located within the boundaries of the existing R&J Recycling and Disposal Transfer Station. The transfer station itself is currently enclosed by a six-foot tall intruder-resistant chain link fence. Access to the transfer station is via two driveways from FM 2468 and these entrances will be equipped with gates. The gates are monitored during facility operations to prevent unauthorized vehicles, pedestrian traffic, and livestock from accessing the facility. The gates will be locked on nights, holidays, or any other time the facility will be unattended by R&J Recycling and Disposal personnel. Facility personnel inspect the integrity of the fences, gates, and locks on a daily basis on the days when the facility is in operation. Any access control breaches will be repaired as needed.

The proposed Medical Waste Building has will have personnel doors and bay doors which will be closed and locked when not in use. An attendant shall be on-site during operating hours and when waste is being loaded or unloaded to or from vehicles. Waste storage units (roll off containers) will be located within the R&J Recycling and Disposal Transfer Station's perimeter fencing.

Describe how access roads and parking areas will be maintained to control dust and prevent mud from being tracked off-site (attach additional pages to answer this question if necessary):

The proposed R&J Recycling and Disposal Medical Waste Facility will be located within the boundaries of the existing R&J Recycling and Disposal Transfer Station. The transfer station is currently equipped with all weather drives and parking areas that eliminate dust and mud from being tracked to and from the facility. Similarly, access to the facility is via FM 2468, which is paved with asphalt and will not create a dust issue. As such, dust from on-site and other access roadways is not expected to become a nuisance to surrounding areas. However, in the unlikely event that a problem does arise, water will be used to control windblown dust. Within the Facility boundary, a standard garden hose connected to an on-site water spigot may be sufficient to apply water.

Regrading, repair, and maintenance of the internal roadway will be conducted by R&J Recycling and Disposal on an as-needed basis to eliminate or minimize depressions, ruts, and potholes. Maintenance of FM 2468 will be performed by the Texas Department of Transportation (TxDOT).

Access to the facility will be controlled by a perimeter fence, with lockable gates. Identify or describe the type of fence that will be installed at the facility:

- ☐ A four-foot-high barbed wire fence;
- ☒ A six-foot-high chain-link fence; or
- ☐ Other:

4.5 Operating Hours [(30 TAC §326.75(i))]

Provide the operating hours of the facility; ***include justification for hours outside of 7:00 a.m. to 7:00 p.m., Monday through Friday:***

The proposed R&J Recycling and Disposal Medical Waste Facility will be located within the boundaries of the existing R&J Recycling and Disposal Transfer Station. The permitted hours for the existing Transfer Station are continuous (i.e. operating 24-hours a day, 7 days a week). As such, it is requested that the Medical Waste Facility's operating hours also be continuous (24-hours a day, 7 days a week) in order to match the operating hours previously approved by the TCEQ for the Transfer Station. This will avoid any potential disruptions to operations and facility access that might potentially occur if the facilities were on different schedules. In addition, these hours are also necessary in order to accommodate those businesses that require transport of medical waste outside of regular business hours.

List the alternative operating hours, if any, of up to five days in a calendar-year period:

n/a

Section 5—Other Site Operating Plan, Financial Assurance, and Closure Requirements

Attach additional pages describing how the facility will comply with the following requirements.

- 30 TAC §326.75(d), Storage
- 30 TAC §326.75(e), Recordkeeping and Reporting
- 30 TAC §326.75(f), Fire protection Plan
- 30 TAC §326.75(g)(2), Access Roads, Vehicle Parking, and Safety Measures
- 30 TAC §326.75(g), Access Control
- 30 TAC §326.75(h), Unloading of Waste
- 30 TAC §326.75(i)(3), Recording of Applicable Alternative Hours (if used)
- 30 TAC §326.75(j), Signs at Facility Entrances
- 30 TAC §326.75(k), Control of Windblown Material and Litter
- 30 TAC §326.75(l), Facility Access Roads
- 30 TAC §326.75(m), Noise Pollution and Visual Screening
- 30 TAC §326.75(n), Overloading and Breakdown
- 30 TAC §326.75(o), Sanitation
- 30 TAC §326.75(p), Ventilation and Air Pollution Control
- 30 TAC §326.75(q), Health and Safety
- 30 TAC §326.75(r), Disposal of Treated Medical Waste (if applicable)
- 30 TAC §326.71(n); Financial Assurance
- 30 TAC §326.71(l)(1); provide notice for final facility closure and information for the public and executive director no later than 90 days prior to initiating final closure.
- 30 TAC §326.71(l)(2); install signs and barriers upon notification of final closure to the executive director.
- 30 TAC §326.71(l)(3); provide certification of closure, and a request for voluntary revocation of facility registration within 10 days after completion of final closure of the facility.

Section 6—Applicant Certification and Signature

The applicant is the person or entity who would be the owner of the facility and in whose name the registration would be issued. If the application is signed by an authorized representative for the applicant, the applicant must complete the delegation of signature authority.

Certification by Applicant or Authorized Signatory [30 TAC §305.44]

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Name of applicant, or other person authorized to sign: Stacy Wershing

Title of person signing: Owner

Signature: [Signature]

Date: 02-03-2022

Notarization

SUBSCRIBED AND SWORN to before me by the said Stacy Wershing

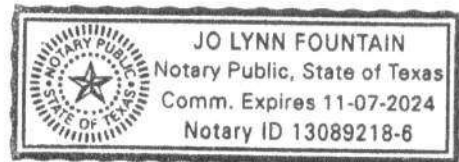
On this 3rd day of February, 2022

My commission expires on the 7th day of November

[Signature]
Notary Public in and for

Shelby

County, Texas



Applicant's Delegation of Signature Authority [30 TAC §305.43]

I hereby delegate the person named below as my representative and hereby authorize said representative to sign any application, submit additional information as may be requested by the Commission; and appear for me at any hearing or before the Commission in conjunction with this request for a Texas Water Code or Texas Solid Waste Disposal Act permit. I further understand that I am responsible for the contents of this application, for oral statements given by my authorized representative in support of the application, and for compliance with the terms and conditions of any permit which might be issued based upon this application.

Name of applicant's representative: N/A

Name of person who is the applicant, or officer or official representing corporation or public agency that is the applicant: N/A

Signature: N/A

Date: N/A

Notarization

SUBSCRIBED AND SWORN to before me by the said N/A

On this N/A day of N/A

My commission expires on the N/A day of N/A, N/A

N/A

Notary Public in and for

N/A

County, Texas

Section 7—Property Owner Affidavit

Affidavit [30 TAC §326.71(b)]

This section must be completed by the owner of the property on which the facility would be located.

I am the owner of the land on which the proposed facility would be located. I acknowledge that the State of Texas may hold me either jointly or severally responsible for the operation, maintenance, and closure of the facility. I further acknowledge that the facility owner or operator and the State of Texas shall have access to the property during the active life and after closure for the purpose of inspection and maintenance.

Property owner name: Stacy Wershing

Signature: _____ Date: _____

Notarization

SUBSCRIBED AND SWORN to before me by the said _____

On this _____ day of _____,

My commission expires on the _____ day of _____,

Notary Public in and for

_____ County, Texas

Attachments

Table Att-1. Required Attachments

Attachments	Attachment No.
General Location Map	1
Facility Access Map	2
Facility Layout Map	2
Land Use Map	3
Land Ownership Map	4
Land Ownership List	4
Land Ownership Hard Copy and Electronic Mailing List or Mailing Labels	Attached
Metes and Bounds Drawing and Description	5
Copy of Authorization to Discharge Wastewater to a Treatment Facility	6
Process Flow Diagrams and Narrative	7
Procedures for Operation and Testing of Treatment Equipment, if applicable	8
Procedures for Preparation of any Chemical used in Treatment, if applicable	n/a
Verification of Legal Status	9
Texas Department of Transportation Coordination Letters	10
Entity Exercising Maintenance Responsibility of Public Roadway, if applicable	10
FEMA Map	11
<input type="checkbox"/> Facility Design Demonstration for Flood Management, or <input type="checkbox"/> Conditional Letter of Map Amendment from FEMA, if applicable	n/a
Wetland Documentation, if applicable	n/a
Council of Governments Review Request Coordination Letters	12

Table Att-2. Additional Attachments; check all that apply.

Attachments	Attachment No.
<input checked="" type="checkbox"/> TCEQ Core Data Form(s)	13
<input checked="" type="checkbox"/> Fee Receipt or copy of check	14
<input checked="" type="checkbox"/> Published Zoning Map	15
<input type="checkbox"/> Delegation of Signatory Authority	n/a
<input checked="" type="checkbox"/> Manufacturer Specifications for Waste Management Units	16
<input checked="" type="checkbox"/> Additional Storage and Processing Unit Closure Cost Items	17
<input type="checkbox"/> Confidential Documents	n/a

ATTACHMENT 18

HEALTH AND SAFETY PLAN

HEALTH & SAFETY PLAN OVERVIEW

It is the R&J Recycling and Disposal Medical Waste Facility's policy is that all employees be provided with a safe and healthy place of employment in accordance with 29 CFR 1910 Occupational Safety and Health Association (OSHA) standards.

Identification of hazardous conditions may be accomplished at the planning and design stage, as a result of workplace inspections or by employee reports. All recognized safety and health hazards shall be eliminated or controlled as quickly as possible, subject to priorities based upon the degree of risk posed by the hazards. The preferred method of hazard abatement shall be through application of engineering controls or substitution of less hazardous processes or materials. Reliance on personal protective equipment (PPE) is acceptable only when other methods are proven to be technically and/or economically infeasible.

Safety rules are developed with input from supervision and employees and address behaviors and work practices that can lead to accidents and injuries. Each employee should become familiar with and follow general and departmental safety rules.

Supervisors must enforce safe work practices through strict adherence to safety rules. Most accidents can be prevented if everyone uses assigned safety equipment and follows the established rules. To operate a safe and successful business, we must work as a team to: Think Safe, Work Safe, and be Safe.

THINK SAFE, WORK SAFE, AND BE SAFE

Why work safely? Work safely for the most important people in your life - your family. If you are injured at work, they are the people most directly affected. A work-related injury could cause you to be unable to play with your children or take part in recreational activities or hobbies.

What is working safely? Wearing required PPE (such as safety glasses), completing every task the correct way, not taking hazardous shortcuts, paying attention to the task at hand and asking your supervisor how to complete unfamiliar tasks.

1. **YOUR SAFETY RIGHTS** - You have several important rights concerning safety, which are protected by federal, state and local laws of which you should be aware. They are:
 - The right to a safe work-place free from recognized hazards;
 - The right to request information on safety and health hazards in the workplace, precautions that may be taken and procedures to be followed if an employee is injured or exposed to toxic substances;
 - The right to know about the hazards associated with the chemicals you work with, and safety procedures you need to follow to protect yourself from those hazards;
 - The right to question any instruction that requires you to disobey a safety rule, puts yourself or someone else in unnecessary danger of serious injury or requires you to perform a task for which you have not been trained to perform in a safe manner;
 - The right to access your medical and exposure records; and
 - The right of freedom from retaliation for demanding your safety rights.
2. **YOUR SAFETY RESPONSIBILITIES** - You also have some important responsibilities concerning safety. These are:
 - The responsibility of reporting all injuries and illnesses to your supervisor, no matter how small;
 - The responsibility of always following the safety rules for every task you perform;

- The responsibility of reporting any hazards you see;
- The responsibility of helping your co-workers recognize unsafe actions or conditions they cause; and
- The responsibility of asking about the safety rules you are not sure about.

3. **EMPLOYEE SAFETY RULES** - It is impractical to list or include all safety rules for all the possible tasks you may have to do, but the following overview has been prepared to help you avoid hazards that may cause injury while doing some of the more common tasks you may be asked to do. Study and follow the rules provided in this booklet and ask your supervisor for additional guidance when tasked to do a task with which you are not familiar or that this document does not cover. Failure to follow safety rules and/or safe practices will result in disciplinary action, up to and including termination.

GENERAL SAFETY RULES	
Read and follow the safety notices and other information that is posted.	
Observe and follow all safety instructions, signs, and operation procedures.	
Help your fellow employee when they ask for assistance or when needed for their safety. Never participate in "horseplay". Horseplay that results in injury is often not covered by Workers' Compensation.	
Clean up spills immediately.	
Report all unsafe conditions, hazards, or equipment immediately. Make sure other people are warned of the problem so that they may avoid it.	
Wear personal protective equipment as required to reduce injury potential. Use gloves, safety glasses, back support belts etc. as necessary.	
Never stand on chairs, furniture, or anything other than an approved ladder or step-stool	
Never use intoxicating beverages or controlled drugs before or during work. Prescription medication should only be used at work with your Doctor's approval and after notification to your supervisor in cases where impairment may result.	

4. **ACCESS TO EMPLOYEE EXPOSURE & MEDICAL RECORDS** - Whenever an employee or designated representative requests access to a record, the Facility's owner or operator will assure that access is provided in a reasonable time, place and manner. If the Facility's owner or operator cannot reasonably provide access to the record within fifteen (15) working days, the company will within the fifteen (15) working days apprise the employee or designated representative requesting the record of the reason for the delay and the earliest date when the record can be made available.
5. **BLOODBORNE PATHOGENS** - Unless you have received proper bloodborne pathogen training and have at least been offered the Hepatitis B vaccination series, DO NOT touch any blood or other body fluid or material contaminated with these fluids. If you accidentally come in contact with another person's blood or body fluid, immediately notify your supervisor so that you can be medically evaluated by a physician for possible exposure to bloodborne pathogens.
6. **INJURIES & ACCIDENTS** - All injuries and accidents must be reported immediately to your supervisor. This includes first aid injuries and close calls/near misses.

First Aid injuries must be documented on the first aid log.

Accidents and injuries resulting in medical treatment must be documented on an accident investigation form.

Not reporting an injury or accident immediately will result in disciplinary action.

Failure to report work related injuries and illnesses in a timely manner may result in denial of benefits under the workers' compensation law.

7. **WORKERS' COMPENSATION FRAUD** - The Facility's owner/operator is committed to every employee who incurs a legitimate work-related injury or illness. However, any suspected fraudulent claim will be turned over to the company's Workers' Compensation insurer and the State Attorney General's Office for investigation. Workers' Compensation Fraud is a very serious crime and will be prosecuted to the fullest extent of the law. Fraud results in high Workers' Compensation insurance premiums and productivity interruption affecting the company's ability to remain competitive in the marketplace. This in turn affects all employee's job security and wages. All employees are encouraged to immediately report any suspected fraud to his/her supervisor. Complete confidentiality will be maintained.
8. **HORSE PLAY** - Horse Play (pranks, scuffling, wrestling, throwing material at others, etc.) is not allowed under any circumstances. This type of behavior often results in injuries.
9. **DISCIPLINARY ACTION** - Disregarding safety rules or established safety practices will result in immediate dismissal or at least being written up and suspended. Examples of violations:
 - Not wearing required PPE
 - Not immediately reporting an injury or damage
 - Committing an unsafe act such as removing a guard
 - Operating a piece of equipment, you are not authorized to operate, such as forklift
10. **RETURN TO WORK POLICY** - All injured employees that return to work with medically authorized restrictions will be accommodated in a modified duty position until they can return to full capacity. Every effort will be made to return employees on medical restrictions to their normal position with modifications to meet the required medical restrictions. When it is not possible to accommodate employees at their normal position an alternative task, within the scope of the restrictions, will be assigned.
11. **DRUG & ALCOHOL TESTING** - The alcohol and drug-testing program is intended to eliminate the use of illegal drugs, alcohol, and other controlled substances in the workplace. Designed solely for the benefit of our employees, this program will provide reasonable safety on the job and protection from offending individuals. Drugs and alcohol tests will be administered under the following conditions:
 - To any employee when there is reasonable suspicion that he/she is under the influence of illegal drugs or alcohol
 - To any employee who is involved in a near miss or a workplace accident that causes property damage or requires examination and/or treatment by a licensed physician or medical facility
 - Upon application for employment and as a condition of employment
12. **REFUSING A DRUG AND/OR ALCOHOL TEST** - An employee's refusal to submit to testing as stated above shall be grounds for immediate discharge.
13. **HAZARD COMMUNICATION STANDARD** - All chemicals must be labeled with at least the name of the chemical & manufacturer. Never remove, obscure or deface original hazard labels or markings unless you replace it with equivalent information.
Bulk chemicals and chemicals with a recognized or assigned hazard must be labeled with the Hazard Management Information System (HMIS) or National Fire protection Association (NFPA). In these systems, the higher the number rating (i.e., HMIS or NFPA), the more hazardous the chemical.

A list of hazardous materials used in the workplace is kept in the Safety Manager's office.

Always use required and recommended PPE when working with any chemical.

Specific Hazards The marking in the bottom white square (HMIS) or rectangle (NFPA)	
OXY	Oxidizer (causes fire through release of oxygen)
ACID	Acid
ALK	Alkali (high pH)
CORR	Corrosive (both CORR and ALK material create burns on human skin)
-W-	Water reactive, use no water
...	Radiation hazard

14. SAFETY DATA SHEET (SDS) - These are standardized forms that relay in-depth information on material and chemical health hazards, reactivity, flammability chemical properties, guidelines on usage and storage. The SDSs are located in the Safety Manager's office. Anytime you need an SDS, ask your supervisor and he or she will provide one for you.

15. REQUIRED PPE - Your supervisor will inform you of the PPE required to perform your specific job safely. For example:

- Safety Glasses are required to be worn at all times.
- Face shield and gloves are required when working with corrosives.
- Proper eye, face and hand protection must always be worn when operating a welder or cutting torch.
- Face shield, safety glasses, gloves and hearing protection are required for all grinding activities.
- Gloves are required to be worn when handling materials that might result in injury to the hand(s).

If an injury is sustained due to failure to wear required PPE, any benefits and/or compensation under Workers' Compensation may be reduced to the minimum required by law, including forfeiture of benefits and/or compensation.

16. CARE OF PPE - Inspect all PPE prior to using each time. If any part of your PPE is damaged see your supervisor for a replacement. Store all PPE in a clean, dry and secure place. If your PPE is lost or stolen, you may be charged for a replacement.

17. LIMITATIONS OF PPE - PPE cannot protect from all hazards in all situations. That is why OSHA requires it as a last resort when other protective measures cannot be achieved. For example: airborne dirt and sparks can travel underneath and around the lens of safety glasses, leather gloves can be cut through, and respirators may fail or leak.

18. EYE SAFETY - Never rub your face or eyes with dirty hand or while wearing a glove. If you get something in your eye never rub it with your finger, this will only make it worse. If something is in your eye, blink several times then use an eye wash. Always wear the required eye protection.

19. LOCK OUT TAG OUT (CONTROL OF HAZARDOUS ENERGY) - All machines being serviced must be locked out. If you ever see a lock or a danger tag on a machine, it is locked out for repairs. Never try to start a locked-out machine or remove the lock or tag unless you are authorized to do so and have followed the written procedure for re-energization and return to service for that machine.

Only trained and authorized maintenance employees can lockout a machine.

20. ELECTRICAL SAFETY - Only trained maintenance employees are authorized to conduct

troubleshooting or electrical repairs. Do not attempt any maintenance activities you are not trained or authorized to conduct. Never use a damaged extension cord or any other piece of damaged equipment, and never use electrical equipment in damp or wet areas.

21. **FORKLIFTS** - Only licensed and certified operators are authorized to operate forklifts. Do not operate mobile equipment until you pass the required training and are certified. Never stand on raised forks or on a pallet on the forklift or place any body part under raised forks, pallet or other load.

Always keep a buffer distance of at least six (6) feet from all directions of possible travel and insure the lift operator knows you will walk in front of or behind the lift. Never stand in an area where a load could fall off forks and strike you or ride on a forklift as a passenger.

22. **MACHINE SAFETY** - Never try to operate equipment you are not familiar with or are not trained to operate, reach into a machine while it is operating, or place hands in areas where there are moving parts or crush zones.

23. **MACHINE GUARDING** - Never remove a guard from a machine, use any machines with a guard missing, reach around a guard or "rig" or bypass a guard. Report guard issues immediately to your supervisor.

24. **HOUSEKEEPING** - Do not leave lumber, scrap or garbage on the floor. Items not stored correctly will cause a trip hazard. Water or oil on the floor will create slip hazards for employees or forklifts. Clean up or immediately notify your supervisor of these conditions.

25. **LIFTING AND MOVING MATERIAL** - Always check the weight of an object prior to lifting the object. If it seems heavy get help from another person or use an authorized forklift or crane. Plan the path of travel before the lift. Lift with your legs keeping your back straight, and never twist while carrying a load.

26. **FIRE PROCEDURES** - OSHA defines an incipient stage fire as a fire in the initial or beginning stage that can be controlled or extinguished by portable fire extinguishers, Class II standpipe, or small hose systems without the need for protective clothing or breathing apparatus.

If you find a fire smaller than a small trash can (incipient stage), you can try and put it out if you are trained in the use of fire extinguishers. For any larger fire, sound the alarm, notify your supervisor, evacuate the building, and assemble in your designated area outside. Report any missing coworkers to your supervisor.

27. **FIRE EXTINGUISHERS** - Authorized and trained employees can use the fire extinguishers located throughout the site to fight incipient stage fires.

USING A FIRE EXTINGUISHER	
To use a fire extinguisher, remember PASS	
P	Pull the pin
A	Aim at the base of the fire
S	Squeeze the handle
S	Sweep the base of the fire

Report any missing, damaged or depleted extinguishers to your supervisor.

TRAINING TOPICS COVERED IN THIS EMPLOYEE HEALTH AND SAFETY PLAN

- GENERAL HEALTH & SAFETY POLICIES
- THE IMPORTANCE OF WORKING SAFELY & WHAT IT INVOLVES
- YOUR SAFETY RIGHTS
- EMPLOYEE RESPONSIBILITIES
- EMPLOYEE SAFETY RULES
- EMPLOYEE ACCESS TO EXPOSURE & MEDICAL RECORDS
- BLOODBORNE PATHOGENS - GENERAL AWARENESS
- REPORTING OF INJURIES AND ACCIDENTS
- SEEKING MEDICAL TREATMENT FOR WORK RELATED INJURIES
- WORKERS' COMPENSATION FRAUD
- HORSE PLAY
- DISCIPLINARY ACTION
- RETURN TO WORK POLICY
- DRUG & ALCOHOL TESTING POLICY
- OSHA'S HAZARD COMMUNICATION STANDARD
- PERSONAL PROTECTIVE EQUIPMENT (PPE)
- JOB REQUIREMENTS
- CARE & LIMITATIONS OF PPE
- EYE SAFETY
- LOCKOUT / TAG-OUT (CONTROL OF HAZARDOUS ENERGY)
- ELECTRICAL SAFETY
- FORKLIFT OPERATION
- MACHINE SAFETY & GUARDING
- LIFTING & MOVING MATERIAL HOUSE KEEPING
- FIRE PROCEDURES
- USE OF FIRE EXTINGUISHERS

I HAVE READ AND UNDERSTAND ALL OF THE INFORMATION COVERED IN THE SAFETY PLAN:

EMPLOYEE SIGNATURE

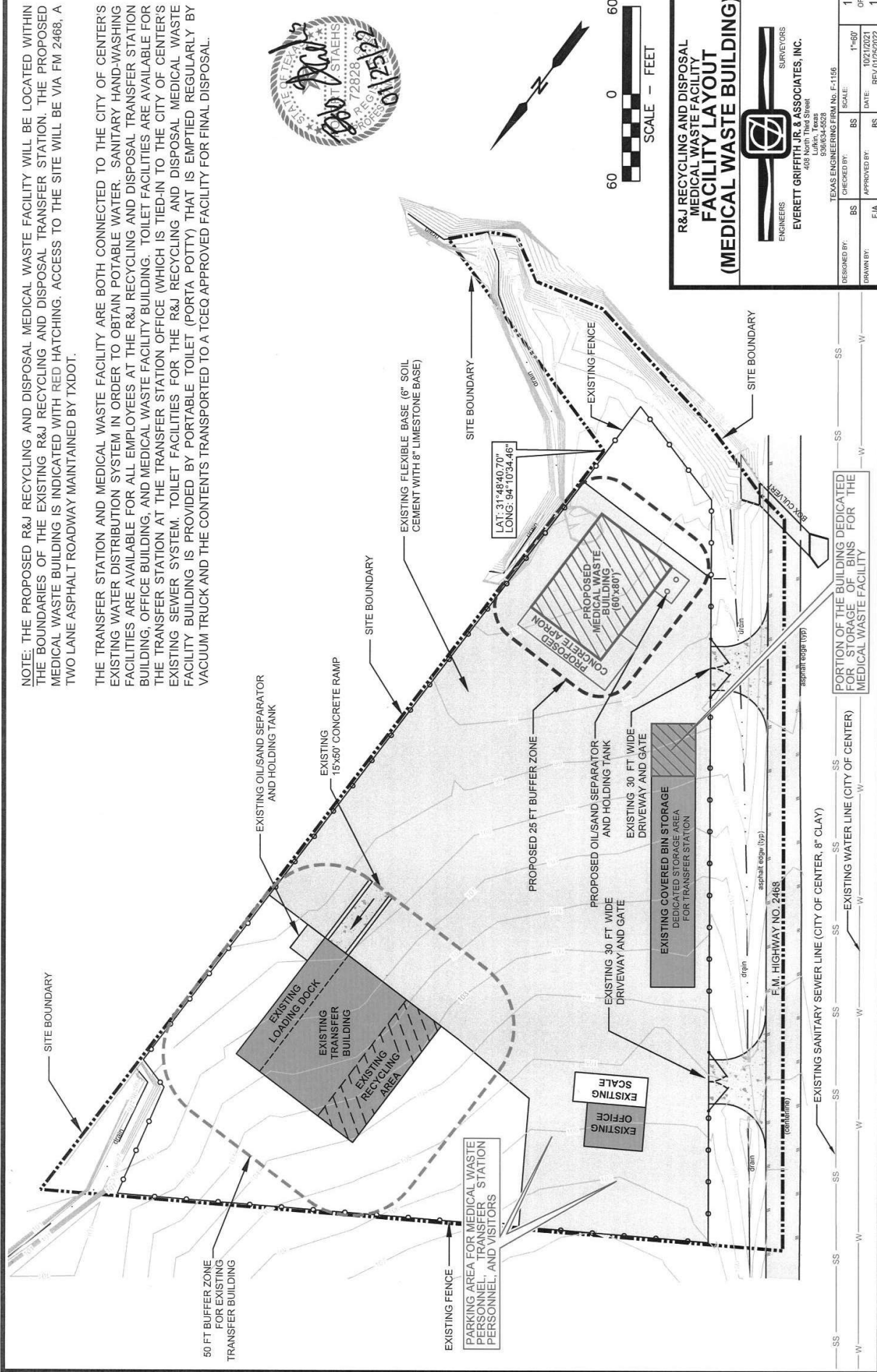
DATE

WITNESS SIGNATURE

DATE

NOTE: THE PROPOSED R&J RECYCLING AND DISPOSAL MEDICAL WASTE FACILITY WILL BE LOCATED WITHIN THE BOUNDARIES OF THE EXISTING R&J RECYCLING AND DISPOSAL TRANSFER STATION. THE PROPOSED MEDICAL WASTE BUILDING IS INDICATED WITH RED HATCHING. ACCESS TO THE SITE WILL BE VIA FM 2488, A TWO LANE ASPHALT ROADWAY MAINTAINED BY TXDOT.

THE TRANSFER STATION AND MEDICAL WASTE FACILITY ARE BOTH CONNECTED TO THE CITY OF CENTER'S EXISTING WATER DISTRIBUTION SYSTEM IN ORDER TO OBTAIN POTABLE WATER. SANITARY HAND-WASHING FACILITIES ARE AVAILABLE FOR ALL EMPLOYEES AT THE R&J RECYCLING AND DISPOSAL TRANSFER STATION BUILDING, OFFICE BUILDING, AND MEDICAL WASTE FACILITY BUILDING. TOILET FACILITIES ARE AVAILABLE FOR THE TRANSFER STATION AT THE TRANSFER STATION OFFICE (WHICH IS TIED-IN TO THE CITY OF CENTER'S EXISTING SEWER SYSTEM). TOILET FACILITIES FOR THE R&J RECYCLING AND DISPOSAL MEDICAL WASTE FACILITY BUILDING IS PROVIDED BY PORTABLE TOILET (PORTA POTTY) THAT IS EMPTIED REGULARLY BY VACUUM TRUCK AND THE CONTENTS TRANSPORTED TO A TCEQ APPROVED FACILITY FOR FINAL DISPOSAL.



**R&J RECYCLING AND DISPOSAL
MEDICAL WASTE FACILITY
FACILITY LAYOUT
(MEDICAL WASTE BUILDING)**

EVERETT GRIFFITH JR. & ASSOCIATES, INC.
408 North Third Street
Lufkin, Texas

DESIGNED BY:	BS	CHECKED BY:	BS	SCALE:	1"=60'
DRAWN BY:	FIA	APPROVED BY:	BS	DATE:	10/21/2021 REV 01/25/2022

PORTION OF THE BUILDING DEDICATED FOR STORAGE OF BINS FOR THE MEDICAL WASTE FACILITY

---\$S---\$S---\$S---\$S---

EXISTING WATER LINE (CITY OF CENTER)

1

ATTACHMENT 17

**SECTION 5 - OTHER SITE OPERATING PLAN,
FINANCIAL ASSURANCE, AND CLOSURE REQUIREMENTS**

As required by Form TCEQ-20789 (Application for Medical Waste Registration), the items referenced under Section 5 are addressed below:

- 5.1 STORAGE [30 TAC §326.75(d)]** - All medical waste will be stored in a manner that does not create a nuisance. All medical waste materials will remain in sealed containers or bags as they are placed in the processing unit. All waste processing will be conducted inside the proposed Medical Waste Building in an area that is separate from indoor waste storage. In accordance with 30 TAC §326.75(i)(3), all processing areas will be inside of the facility and all stored waste will be inside of the facility or stored in an enclosed roll-off container or trailer outdoors in order to control and contain spills and contaminated water from leaving the facility. In accordance with 30 TAC §326.71(i)(4), the storage of medical waste at this facility will be done in a secure manner that affords it protection from theft, vandalism, rain, water, wind, and inadvertent human (or animal) exposure. The waste will be managed in such a manner as to avoid providing a breeding place or food for insects or rodents and to not generate noxious odors.

Operations will occur within the enclosed Medical Waste Building. The surrounding will be contoured in such a way that stormwater runoff will be directed around or away from the Medical Waste Facility building. In addition, the entrances to the building will be equipped with roll-over curbs that will provide a physical barrier to prevent runoff from entering the building.

Untreated medical waste will need to be temporarily stored on site in designated indoor and outdoor areas. Once waste has been treated it will be placed in enclosed roll-off containers and hauled to a TCEQ-permitted landfill facility for disposal, no longer than 7 days after processing. The treated waste will be contained in appropriate containers which are leak proof and will be kept securely closed to prevent spillage. Control of odors, vectors, and windblown waste from the roll-off container and storage area will be maintained.

The roll-off containers will be operated and maintained in such a way as not to create a public nuisance through material loss or spillage, odor, vector breeding or harborage, or other condition. The roll-off containers will contain materials in such a manner that does not provide exposure, therefore eliminating the potential for the introduction of vectors and material loss or spillage. The roll-off containers will be hauled to a permitted landfill on a regular basis.

Any free liquids received at the facility shall be packaged with sufficient sorbent material to absorb 100% of the free liquids within the package in accordance with 49 Code of Federal Regulations (CFR) 173.197(c)(2). Therefore, there will be no free liquids generated during potential spills. Any wastewater generated on-site will be stored in the on-site 500 gallon contaminated water holding tank. In addition, the floor of the Medical Waste Facility building is sloped toward a central drain that leads to the oil/sand separator and 500 gallon holding tank. Contaminated water from washing will be directed to the holding tank. This tank will be emptied on an as-needed basis and the contents transported by registered hauler to a TCEQ authorized facility for final disposal.

- 5.2 RECORDKEEPING AND REPORTING [30 TAC §326.75(e)]** - A copy of the registration, the approved registration application, as-built plans, specifications, and any other required plan or documents related to the R&J Recycling and Disposal Medical Waste Facility will be maintained at the office of the R&J Recycling and Disposal Transfer Station as part of the facility's operating record. These documents will be made available for inspection by TCEQ representatives upon request.

The operator will record and maintain the information required in §326.75(e)(2)(A-E) in the Facility Operating Record. The owner or operator will sign all reports and other information requested by the executive director (per §305.44(a) relating to Signatories to Applications and 30 TAC §326.75(e)(3)) or by an authorized representative of the owner or operator.

Should there be a change in an individual or position, a new authorization satisfying the requirements of §326.75(e)(3) will be submitted to the executive director prior to or together with, any reports, information, or applications to be signed by an authorized representative, in accordance with §326.75(e)(3)(B).

All information contained in the Operating Record will be furnished upon request to the executive director and shall be made available during the facility's operating hours for inspection by the executive director and other times mutually agreeable to the TCEQ and the operator. The executive director may set alternative schedules for recordkeeping and notification requirements as specified in 30 TAC 326.75(e)(6).

The owner or operator shall retain all information contained within the operating record and the different plans required for the facility for the life of the facility. The owner or operator will retain all information contained within the Operating Record and the various plans required for the Facility for the life of the operation.

Each load of untreated medical waste will be reviewed upon receipt to ensure the proper documentation has been provided and that the R&J Recycling and Disposal Medical Waste Facility is named as the designated facility to receive the waste. Shipping documents will be signed and at least one copy provided to the transporter. The owner or operator will retain a copy for the Facility Operating Record and within 45 days after the delivery is received, a written or electronic copy of the shipping document will be returned to the generator, including the total weight of waste received and a statement that the medical waste was treated in accordance with 25 TAC §1.136.

- 5.3 FIRE PROTECTION PLAN [30 TAC §326.75(f)]** - An adequate supply of water under pressure is available at the facility. Firefighting equipment will be readily available and accessible at the existing R&J Recycling and Disposal Transfer Station and at the proposed R&J Recycling and Disposal Medical Waste Facility building located within its boundaries. Fire extinguishers are located throughout the existing transfer station and will also be located within the proposed Medical Waste Building. Fire extinguishers are typically 5-pound ABC type. In addition, a standard water hose will be available for initial firefighting.

A Fire Protection Plan is in place at the existing transfer station and will also apply to the proposed Medical Waste Building as well. The Fire Protection Plan is in compliance with local fire codes and includes the measures for fire protection, procedures for using fire protection measures, employee training and safety procedures, notification protocol, etc.

In the event of a fire, the facility supervisor will immediately call the City of Center Fire Department by dialing 911. In addition, if it can be safely accomplished, the facility personnel will attempt to extinguish the fire with a hand-held fire extinguisher provided at the site. Facility personnel will be trained to observe incoming loads in the transport vehicles to ascertain that there is no fire in the load while performing his inspection. If a fire is observed, the vehicle will unload on a designated area of paved ground.

- 5.3.1 FIRE PROTECTION** - The following steps are taken regularly by facility personnel in order to prevent fires:

- Check every load for fire before it is unloaded. Be alert for signs of burning waste such as smoke, steam, or heat being released from incoming waste loads.
- Do not allow open flames in the unloading areas or near the roll-off containers.
- Keep the grass within the site area mowed and do not allow grass, leaves, trash, or other combustibles to accumulate.
- Do not keep fuel or other combustibles in non-approved containers.
- Inspect the fire extinguisher to ensure it is in operating condition, that it does not have an

expired date, and be aware of where it is.

- This will be a "No Smoking" facility.
- Routinely clean equipment that is used to move waste in order to remove any potentially combustible material which might cause equipment overheating and increase fire potential.

5.3.2 PROCEDURES IN THE EVENT OF A FIRE - The facility staff will take the following steps if a fire is discovered:

- Contact the Center Fire Department by calling 911 or (936) 598-3288.
- Alert other facility personnel.
- Assess the extent of the fire, possibilities for the fire to spread, and alternatives for extinguishing the fire.
- If it appears that the fire can be safely fought with available fire extinguisher(s) until the arrival of the Fire Department, attempt to contain or extinguish the fire. Under no circumstances shall the transfer station personnel place themselves or anyone helping them in danger of being injured.
- Upon arrive of Fire Department personnel, direct them to the fire and provide assistance as appropriate.
- Be familiar with the use and limitations of firefighting equipment available on-site. Do not attempt to fight the fire alone or without adequate personal protective equipment.

5.3.3 FIRE EQUIPMENT - Dry chemical fire extinguishers shall be provided for all structures, waste management equipment, and vehicles at the facility. All fire extinguishers at the facility will be inspected on an annual basis and recharged as necessary by a qualified service company. The extinguishers will display a current inspection tag. Inspection and recharging of extinguishers will be performed following each use. A telephone is also available at the site to call the Fire Department.

An adequate supply of water at sufficient pressure for fire fighting is supplied to the facility from the City of Center's water distribution system. In addition, the Center Fire Department (3 miles away) will be the first responder to the facility in the event of a fire. The fire department is equipped with fire trucks that carry their own supply of water for fighting fires.

5.3.4 FIRE PROTECTION TRAINING - Like the rest of the Transfer Station personnel, the Medical Waste Building personnel will receive fire safety training when hired. They shall also be given instructions on fire fighting techniques and given safety precautions to ensure their well being. The training of on-site personnel in firefighting techniques, fire prevention, response and the fire protection aspects of this Site Operating Plan will be provided by local fire departments or other established professionals on an annual basis.

Training shall include fighting all types of fires (including vehicle fires) that could occur from material deposited in the transfer station. The local fire department will be given information on the types of materials that it is possible for the Medical Waste Facility to contain so that the Fire Department may use proper techniques. Personnel will be familiar with the use and limitations of firefighting equipment available on-site. Records of this training will be included in the operating record. Personnel will not attempt to fight the fire alone or without adequate personal protective equipment.

5.3.5 FIRE FIGHTING METHODS - There are four components necessary to start and sustain a fire: (1) Fuel or Reducing Agent; (2) Heat; (3) Self-sustaining chemical reaction; and (4) Oxygen or oxidizing agent. A fire can be extinguished by taking away any of those four components. The

most common methods available to accomplish this by facility personnel are as follows:

- Chemical Flame Inhibition - This utilizes dry chemical or halogenated agents to interrupt the combustion reaction and stop flaming. This method is effective on gas and liquid fuels because they must flame to burn. Chemical flame inhibition can be provided by the hand-held fire extinguishers that are provided at the facility. Small fires might be controlled with these extinguishers.
- Application of Water - The application of water does several things to help extinguish a fire. First of all, water vaporizes when it comes into contact with the fire and the conversion from a liquid to steam absorbs massive amounts of heat. Without heat, the fuel no longer has the conditions required to sustain the fire. In addition, the steam also dilutes the oxygen in the air and can lower it to a concentration below the minimum amount that is required for the flame to burn. The application of water can be provided by on-site water hoses using the pressurized water provided to the facility by the City of Center's water distribution system.
- Fuel Removal - Removing fuel that is in the path of the fire will help to contain fire and prevent its spread. If it can be done safely, burning material should be separated from other waste. Similarly, if a fire is too large to be effectively extinguished it may be more feasible to isolate it and allow it to burn until all of its fuel is consumed, at which point the fire will self-extinguish.

5.3.6 TCEQ NOTIFICATION - After any fire (related to waste management activities that cannot be extinguished within 10 minutes of discovery) occurs, the TCEQ regional office will be contacted. The notification to the regional office will include:

- Contacting by telephone as soon as possible, but no later than 4 hours following fire discovery, and
- Providing a written description of the cause and extent of fire and the resulting fire response within 14 days of the fire detection.

The facility will provide to the appropriate TCEQ regional office as much information as possible regarding the fire and fire-fighting efforts, as soon as possible after the fire occurs. The fire prevention and fire control procedures for the facility will be revisited following the occurrence of a significant fire to determine if modifications are warranted.

5.4 ACCESS ROADS, VEHICLE PARKING, AND SAFETY MEASURES [30 TAC §326.75(g)(2)] - The proposed R&J Recycling and Disposal Medical Waste Facility will be located within the boundaries of the existing R&J Recycling and Disposal Transfer Station. The transfer station is equipped with all-weather drives to allow vehicular access to the facility from FM 2468. This roadway has been designed to accommodate the expected traffic flow and is equipped with two travel lanes to provide safe on-site access for commercial collection vehicles. The paved entry driveways and gravel surface will eliminate dust and mud being tracked to and from the facility. The roadway design includes adequate turning radii for vehicles that will use the roadway and to avoid the disruption of normal traffic patterns. Adequate vehicle parking is also provided for employees, visitors, and equipment. Access to the Medical Waste Facility Building will only be provided during waste acceptance hours when an attendant is present; and entrance gates will be locked when the facility is unattended. Safety bumpers at hoppers will be provided, where applicable. An attendant shall be on-site during operating hours. The operating area within the Medical Waste Building will be enclosed by walls and all transport unit storage areas are enclosed by walls and/or fencing..

The existing Transfer Station is surrounded by a security fence and access is controlled via two gates that are monitored during operating hours (or locked on any occasion where the facility is not in operation). Traffic will enter through the facility's gates and proceed to the Medical Waste Building. Appropriate signage will be utilized to indicate where medical waste vehicles are to unload. Additional signage will be posted to discourage indiscriminate dumping. The unloading area of the Medical Waste

Facility will be monitored by the facility supervisor (or approved designee). It is the responsibility of the facility supervisor to inform persons using the transfer station when they are violating the regulations of the transfer station. If they refuse to take corrective action or continue to violate those regulations, the supervisor shall immediately notify the Shelby County Sheriff's Office and/or the Center Police Department at 911 and request assistance. The Sheriff's Department and Center Police Departments can also be reached (936) 598-5600 and (936) 598-2788, respectively.

- 5.5 UNLOADING OF WASTE [30 TAC §326.75(h)]** - The unloading of medical waste will be confined to designated unloading area within the proposed Medical Waste Facility building. An attendant will monitor all incoming loads of waste. Appropriate signage and/or facility personnel will direct vehicles to the appropriate unloading areas. This facility is not required to accept any medical waste that may cause problems in maintaining compliance with the Site Operating Plan. If unacceptable wastes are identified they will be refused and returned to their place of origin for proper handling. Pathological, non-hazardous pharmaceutical, and trace chemotherapeutic wastes may be stored and processed at the facility.

The unloading of waste in areas not specified for this activity will be prohibited. Should any waste be deposited in an unauthorized area, it will be removed immediately and treated, stored, or disposed of properly.

The unloading of prohibited wastes at the Facility will not be allowed. Prohibited waste will be returned immediately to the transporter or generator of the waste or transported to an appropriately permitted facility.

To prevent the exceedance of the requested maximum waste storage volume, all excess waste will be diverted/transferred to a TCEQ-approved facility for treatment, storage, or disposal.

- 5.6 RECORDING OF APPLICABLE ALTERNATIVE HOURS [30 TAC §326.75(i)(3)]** - Not applicable.

- 5.7 SIGNS AT FACILITY ENTRANCE [30 TAC §326.75(j)]** - A sign for the proposed R&J Recycling and Disposal Medical Waste Facility will be conspicuously displayed at both entrances to the R&J Recycling and Disposal Transfer Station. The signs will each measure at least four feet by four feet with letters at least three inches in height stating the facility name; type of facility; the hours and days of operation; the authorization number of the facility; and facility rules.

- 5.8 CONTROL OF WINDBLOWN MATERIAL AND LITTER [30 TAC §326.75(k)]** - The existing R&J Recycling and Disposal Transfer Station is completely enclosed by a chain link fence. The facility and surrounding area is patrolled by facility personnel at least once per day on days when the facility is in operation and cleaned of any windblown material.

Processing and storage areas of the proposed R&J Recycling and Disposal Medical Waste Facility are completely enclosed and any waste stored outside of the building will be stored in a completely enclosed transportation container. As such, windblown litter is not anticipated at the Medical Waste Facility. However, site personnel will patrol the entire property (as described above) and any identified litter will be cleaned up the same day.

- 5.9 FACILITY ACCESS ROADS [30 TAC §326.75(l)]** - The facility is accessed by FM 2468, an all-weather paved roadway, and the R&J Recycling and Disposal Transfer Station is equipped with all-weather drives to allow vehicular access to the facility.

The presence of mud is not anticipated on the facility roadways or parking areas; however, if mud does become present, facility personnel will implement measures to minimize the tracking of mud and debris onto public roadways. Airborne dust is not anticipated to be a nuisance at the Facility; however, if airborne dust is observed facility personnel will implement measures, such as wetting of on-site roadways to prevent dust from becoming airborne.

The on-site drives and parking areas are maintained by the owner/operator. FM 2468 is maintained by TxDOT. The owner/operator will coordinate with TxDOT, as necessary, to ensure that depressions, ruts,

and potholes are addressed.

- 5.10 NOISE POLLUTION AND VISUAL SCREENING [30 TAC §326.75(m)]** - All processing and storage except enclosed trailer storage of waste to be processed on-site or transported to an off-site facility will be conducted inside of the enclosed Medical Waste Building to prevent potential noise and visual impacts. All other activities, such as transportation and maintenance activities, are not anticipated to produce noise pollution or adverse visual impacts. Buffer zones will aid in mitigation of noise and add to visual screening.

The proposed R&J Recycling and Disposal Medical Waste Facility will be located within the boundaries of the existing R&J Recycling and Disposal Transfer Station and will be screened by the transfer station's existing fence.

- 5.11 OVERLOADING AND BREAKDOWN [30 TAC §326.75(n)]** - The design capacity of the facility shall not be exceeded during operation. The facility shall not accumulate solid waste in quantities that cannot be processed within such time as will preclude the creation of odors, insect breeding, or harborage of other vectors. If such accumulations occur, additional solid waste shall not be received until the adverse conditions are abated.

If a significant work stoppage should occur due to a mechanical breakdown or other causes, the facility shall accordingly restrict the receiving of solid waste. Under such circumstances, incoming solid waste shall be diverted to an approved backup processing or disposal facility. If the work stoppage is anticipated to last long enough to create objectionable odors, insect breeding, or harborage of vectors, steps shall be taken to remove the accumulated solid waste from the facility to an approved backup processing or disposal facility.

~~The owner or operator shall have alternative processing or disposal procedures for the solid waste in the event that the facility becomes inoperable for periods longer than 24 hours.~~ In the event that the facility becomes inoperable for periods longer than 24 hours, all incoming untreated medical waste will be diverted or transferred to a TCEQ-approved facility for treatment, storage, or disposal. Treated waste will be hauled to an authorized facility for disposal.

- 5.12 SANITATION [30 TAC §326.75(o)]** - The facility will be connected to the City of Center's existing water distribution system in order to obtain potable water. Sanitary hand-washing facilities are available for all employees at the R&J Recycling and Disposal Transfer Station. Toilet facilities for the R&J Recycling and Disposal Medical Waste Facility building will be provided by portable toilet (porta potty) that will be emptied regularly by vacuum truck and the contents transported to a TCEQ approved facility for final disposal.

All working surfaces that come in contact with wastes shall be washed down on at least a weekly basis at the completion of processing. The operator may use an Environmental Protection Agency (EPA)-approved disinfectant for cleaning of all surfaces that come into contact with untreated medical waste in the event of a spill. Processing areas that operate on a continuous basis shall be swept daily and washed down at least twice per week.

In order to prevent the creation of odors or an attraction to vectors, wash water will not be allowed to accumulate on-site; rather, it will be directed to an oil-sand separator and contaminated water holding tank. The holding tank will be emptied as-needed and its contents hauled via vacuum truck (operated by a third-party hauler) to a TCEQ approved facility for final disposal.

- 5.13 VENTILATION AND AIR POLLUTION CONTROL [30 TAC §326.75(p)]** - The R&J Recycling and Disposal Medical Waste Facility building will be a covered building with adequate ventilation. Air emissions from the Medical Waste Facility building are not expected to cause or contribute to a condition of air pollution as defined in the Texas Clean Air Act. The operator will prevent nuisance odors from leaving the boundary of the facility. All medical waste processing units will be controlled and contained in an enclosed building which will assist in the control of potential odors. Treated waste storage will be contained in roll-off containers equipped with covers for vector and nuisance odor control and to prevent treated medical waste contact with precipitation, and wind. The roll-off containers will

be covered when not being actively loaded. Any free liquids received at the facility shall be packaged with sufficient sorbent material to absorb 100% of the free liquids within the package in accordance with 49 Code of Federal Regulations (CFR) 173.197(c)(2). Therefore, there will be no free liquids generated during potential spills which will assist in the control of potential nuisance odors. Contaminated waters will not be generated from processing equipment. Any contaminated wash water generated at the facility will be controlled by concrete floors and rollover curbs that will direct contaminated water to the central drain, thence to the oil/sand separator and holding tank. All accumulated wastewater will be disposed off-site at a TCEQ-authorized facility. If nuisance odors are found to be passing the facility boundary, the operator may suspend operations until the nuisance is abated or immediately take action to abate the nuisance.

This Facility will comply with all applicable regulations regarding air emissions and will obtain any required authorization from the TCEQ, Air Permits Division. This Facility will operate under 30 TAC §330 Subchapter U.

5.14 HEALTH AND SAFETY [30 TAC §326.75(q)] - Facility personnel shall be trained in the appropriate sections of the facility's health and safety plan.

5.15 DISPOSAL OF TREATED MEDICAL WASTE [30 TAC 326.75(r)] - As provided by 30 TAC §326.75(r), treated microbiological waste, blood, blood products, body fluids, laboratory specimens of blood and tissue, and animal bedding may be disposed of in a permitted landfill. The owner/operator will dispose of treated medical waste in a permitted landfill.

Any markings that identify the waste as a medical waste will be covered with a label that identifies the waste as treated medical waste before disposal. The identification of the waste as treated may be accomplished using color-coded, disposable containers for the treated waste or by a label that states that the contents of the disposable container have been treated in accordance with the provisions of 25 TAC §1.136.

Treated waste will be accompanied by a shipping document that includes a statement that the medical waste was treated in accordance with 25 TAC §1.136 (relating to Approved Methods of Treatment and Disposition).

This facility will not be equipped with an incinerator. Therefore, no incinerator ash will be generated at this facility.

Treated carcasses and body parts of animals designated as a medical waste may, after treatment, be disposed of in a permitted landfill in accordance with Chapter 330 of this title. The collection and transportation of these wastes shall conform to the applicable local ordinance or rule, if such ordinance or rule is more stringent than this subsection.

Treated recognizable human body parts, tissues, fetuses, organs, and the products of human abortions, spontaneous or induced, shall not be disposed of in a municipal solid waste landfill. These items shall be disposed of in accordance with the provisions of 25 TAC §1.136(a)(4).

Sharps treated and containerized with one of the approved methods as described under 25 TAC §1.136(a)(5) shall be disposed of in a permitted landfill in accordance with Chapter 330 of this title. Unused sharps shall be disposed of as treated sharps.

5.16 FINANCIAL ASSURANCE [30 TAC §326.71(n)] - ~~Financial assurance.~~ The following sections address financial assurance for each phase of operation:

- Prior to Initial Receipt of Waste - A copy of the documentation required to demonstrate financial assurance as specified in Chapter 37, Subchapter R of this title (relating to Financial Assurance for Municipal Solid Waste Facilities) shall be submitted 60 days prior to the initial receipt of waste.
- During Operational Lift of the Facility - Continuous financial assurance coverage for closure must be provided until all requirements of the final closure plan have been completed and the facility is

determined to be closed in writing by the executive director.

- 5.17 NOTICE OF CLOSURE [30 TAC §326.71(I)(1)]** - No later than 90 days prior to the initiation of a final facility closure, the owner or operator shall, through a published notice in the newspaper(s) of largest circulation in the vicinity of the facility, provide public notice for final facility closure. This notice shall provide the name, address, and physical location of the facility; the registration number, as appropriate; and the last date of intended receipt of waste. The owner or operator shall also make available an adequate number of copies of the approved final closure plan for public access and review. The owner or operator shall also provide written notification to the executive director of the intent to close the facility and place this notice of intent in the operating record.
- 5.18 SIGN INSTALLATION [30 TAC §326.71(I)(2)]** - Upon facility closure notification to the executive director, the required signs will be posted at the main entrance and all other frequently used points of access for the facility notifying all parties that may utilize the facility about the proposed closing date. The signs will state that after the closing date, acceptance of waste at the facility will be prohibited. After the date of closure, the gates will be shut and locked to prevent unauthorized dumping.
- 5.19 CERTIFICATION OF CLOSURE [30 TAC §326.71(I)(3)]** - Within ten days after completion of final closure activities of a facility, the owner and operator shall submit to the executive director by registered mail:
- (A) Certification - A certification, signed by an independent licensed professional engineer, verifying that final facility closure has been completed in accordance with the approved closure plan. The submittal to the executive director shall include all applicable documentation necessary for certification of final facility closure; and
 - (B) Request for Voluntary Revocation - A request for voluntary revocation of the facility registration will be made at the time of closure.
- 5.20 FACILITY SURFACE WATER DRAINAGE [30 TAC §326.71(f)(1)-(3)]** - In keeping with the requirements of 30 TAC §326.71(f)(1)-(3), the owner/operator will ensure that the facility will be constructed, maintained, and operated to manage run-on and run-off during the peak discharge of a 25-year rainfall event. Operations will occur within the enclosed Medical Waste Building which will protect against rainfall. The ground surrounding the Medical Waste Building will also be contoured such that stormwater runoff will be directed around or away from the building. In addition, the entrances to the building will be equipped with roll-over curbs that will provide a physical barrier to prevent runoff from entering the building. This will prevent the off-site discharge of waste and feedstock material, including, but not limited to, in-process and/or processed materials. It will also minimize surface water running onto, into, and off the treatment area. The owner/operator will obtain the appropriate Texas Pollutant Discharge Elimination System storm water permit coverage if required.

Unit Type	Minimum Number of Units	Design Details	Approximate Dimensions	Approximate Capacity per Unit
Roll off container	1	Coverable, typical	22'-11" L 7'-9" W 4'-6" H	20 cubic yards
Contaminated Water Holding Tank	1	Polyethylene, Plastic, Double-walled, Storage Tank	3.5' DIA. 7' L	500 gallons
Waste Cart	1	Plastic, Wheeled	2' x 4' x 4'	1.2 cubic yards

Foundations and Supports

Provide a generalized description of construction materials for slab and subsurface supports of all storage and processing components (attach additional pages to answer this question if necessary):

Medical waste processing, transfer, and storage will be conducted inside the proposed Medical Waste building at the R&J Recycling and Disposal Transfer Station. The proposed metal building will be equipped with an 8" thick concrete slab. The slab will be capable of supporting the building, processing units, storage units, and all proposed operations. The waste processing units will sit directly on the building foundation.

Contaminated Water Management

Describe how storage and processing areas will be designed to control and contain spills and prevent contaminated water from leaving the facility. For unenclosed containment areas, also account for precipitation from a 25-year, 24-hour storm (attach additional pages to answer this question if necessary):

All medical waste transfer operations and processing will be conducted inside of the proposed Medical Waste building at the existing R&J Recycling and Disposal Transfer Station. The surrounding ground will be contoured to slope away from the building in order to divert runoff away from the facility. The enclosed metal building will be equipped with three 16 feet wide by 16 feet tall roll-up doors that can be closed if needed to shield the entries from windblown rainfall. Each entry will also be equipped with a roll-over curb to prevent any outside runoff from entering the building and to prevent any wash water from flowing out.

Section 3—Facility Closure

3.1 Closure Plan [30 TAC §326.71(k)]

The operator must comply with the closure requirements listed in 30 TAC §326.71(k).

List other activities that the facility will conduct during closure, if any (attach additional pages to answer this question if necessary):

All waste and any recovered materials or residues will be removed from the facility upon closure by the Owner/Operator. The waste processing units will be decontaminated, dismantled, and removed from the site. The equipment and processing areas of the facility will be disinfected. The Owner/Operator will complete closure of the facility within 180 days following the last acceptance of processed or unprocessed materials, unless otherwise directed or approved in writing by the executive director. No later than 90 days prior to the initiation of facility closure, the Owner/Operator will, through a public notice in the newspaper of largest circulation in the vicinity of the facility, provide public notice for final facility closure. The notice will include the name, address, and physical location of the facility; the permit, registration, or notification number, as appropriate, the last date of intended receipt of waste, and the number of copies of the approved final closure and post-closure plans for public access and review. The Owner/Operator will also provide written notification to the Executive Director of the intent to close the Facility and will place this notice of intent in the operating record. In addition to notification of the Executive Director, a minimum of one sign will be posted at the main entrance and all other frequently used points of access for the facility, notifying all persons who may utilize the facility of the date of closing for the entire facility and the prohibition against further receipt of waste materials after the stated date. Suitable barriers will be installed at all gates and access points to adequately prevent the unauthorized dumping of waste at the closed facility. Within ten days of completing final closure activities at the facility, the Owner/Operator will submit a certification, signed by an independent licensed professional engineer, verifying that final Facility closure has been completed in accordance with the approved Closure Plan. The owner or operator will submit to the executive director all applicable documentation necessary for certification of final facility closure. Upon final closure of this facility, the Owner/Operator will request a voluntary revocation of the facility registration.

3.2 Closure Cost Estimate [30 TAC §326.71(m)]

Provide itemized closure cost estimates in Table 4. The cost estimates must meet the requirements listed in 30 TAC §326.71(m).

Attach documents detailing any additional unit closure costs not itemized. Enter the total of those additional unit closure costs on line 13 of the closure cost worksheet in Table 4.

Section 4—Site Operating Plan

4.1 General [30 TAC §326.75(a)]

Provide the function and minimum qualifications for each category of key personnel to be employed at the facility including supervisory personnel in the chain of command (attach additional pages to answer this question if necessary):

Supervisor - The proposed medical waste facility will be located at the existing R&J Recycling and Disposal Transfer Station and will be overseen by the Transfer Station's existing supervisor. The Supervisor is licensed in accordance with Chapter 30, Subchapters A and F and holds and maintains a MSW Supervisor Occupational license Grade B or above. He is directly responsible to the facility's owner and oversees daily work operations, equipment maintenance and repair, and personnel safety.

Equipment Operator - The Equipment Operator will be stationed at the proposed Medical Waste building. The Operator is responsible for operating the facility in compliance with the Site Operating Plan. His duties include controlling access to the facility, screening incoming medical waste, operating the processing equipment, record keeping, managing waste flow, and general housekeeping. The minimum qualification for Equipment Operator is general facility and regulatory knowledge.

Describe the procedures that the operating personnel will follow for the detection and prevention regarding the receipt of prohibited wastes, including random inspections of packaging of incoming loads, records, and training (attach additional pages to answer this question if necessary):

A variety of procedures will be utilized to detect prohibited wastes and prevent their reception at the facility. These procedures include: (1) Random inspections of incoming loads; (2) Establishing contracts with customers that specifically detail allowable wastes versus those that are prohibited; (3) Record and manifest inspections; (4) Training personnel to recognize prohibited waste and informing facility customers of prohibited wastes.

Facility personnel will also inform waste transportation drivers of facility requirements and screening for prohibited wastes. This information may also be posted on facility signs or provided as a written list to customers and drivers.

If facility personnel identify prohibited waste (or portions of prohibited waste) within a collection vehicle, that vehicle (or portions of waste within that vehicle) will be rejected and immediately sent back to the waste generator.

4.2 Waste Acceptance [30 TAC §326.75(b)]

Describe all sources and characteristics of medical wastes to be received for storage and processing or disposal (attach additional pages to answer this question if necessary):

The proposed facility will accept, store, and process medical waste as defined in §326.3(23), trace chemotherapeutic waste, non-hazardous pharmaceutical waste, and other healthcare-related items that have come into contact with medical waste. Waste falling outside of that definition will be prohibited at this facility. Regulated hazardous wastes and regulated radioactive will not be accepted or processed at the Facility. Untreated waste in storage for 72 hours or more will be refrigerated to at least 45 degrees Fahrenheit or be transported off-site to an authorized facility for treatment. Acceptable medical waste will generally originate from health care institutions, hospitals, physician's offices, clinics, labs, and veterinary facilities. All medical waste will be transported by either the owner or operator or other properly registered haulers. Waste received at the facility will be accompanied by an approved manifest identifying the generator, address of origin, and number of containers. Medical waste (including trace chemotherapeutic waste, non-hazardous pharmaceutical waste, and sharps) will be stored and processed as a single waste stream.

Trained personnel will inspect each load of incoming waste to prevent prohibited wastes from being accepted at the facility. If unacceptable wastes are identified during inspection they will be refused and returned to their place of origin for proper handling. As noted in the previous paragraph, medical waste will be stored and processed as a single waste stream. After inspection, accepted untreated waste will be unloaded at the facility directly to temporary storage. It will then be processed; afterward, the treated waste will be placed in roll-off containers and transported offsite to a TCEQ approved facility for final disposal. Treated and untreated waste will be stored in covered containers in secure areas in order to prevent inadvertent human exposure.

There are no waste constituents or characteristics that could be a limiting parameter that may impact or influence the design and operation of this Facility; thus, no parameter limitations are specified herein.

Additionally, the owner/operator may allow small quantity generators (SQGs) [generators of less than 50 pounds of untreated medical waste per month] to transport sharps, sharps containers, and medical waste to the facility for treatment and disposal after acknowledging and signing an owner/operator-provided form listing all accepted and prohibited wastes of the Facility. This waste stream will be screened and accepted or rejected as described above. Facility personnel will ensure that loading and storage areas are secure from inadvertent human exposure.

Describe the sources and characteristics of recyclable materials, if applicable, to be received for storage and processing (attach additional pages to answer this question if necessary):

Not applicable

Maximum amount of waste to be received daily: 35 ☐ pounds/day ☒ tons /day

Maximum amount of waste to be stored at any point in time: 50 ☐ pounds ☒ tons

Maximum length of time waste is to remain at the facility: 30 ☐ hours ☒ days

Specify the maximum time that unprocessed and processed wastes will be allowed to remain on-site:

Processed: 7 ☐ hours ☒ days

Unprocessed: 72 ☒ hours ☐ days

Identify the intended disposition of processed and unprocessed waste received at the facility (attach additional pages to answer this question if necessary):

Treated waste will be sent to a TCEQ approved municipal solid waste landfill for disposal. Untreated medical waste will be managed in accordance with 25 TAC Subchapter K and applicable sections found in 30 TAC Chapter 326.

4.3 Generated Waste [30 TAC §326.75(c)]

Describe how all liquids and solid waste resulting from the facility operations will be disposed of in a manner that will not cause surface water and groundwater pollution (attach additional pages to answer this question if necessary):

All wash water will be directed into an on-site oil/sand separator and contaminated water holding tank located adjacent to the R&J Recycling and Disposal Medical Waste Facility building. The holding tank will be emptied on an as needed basis by vacuum truck and then transported by an authorized transporter to a TCEQ-authorized facility for final disposal. No wastewaters will be discharged from this facility. Management of wastewater will be in accordance with local, state, and federal requirements. No off-site discharge of contaminated waters are anticipated for this facility; off-site discharge of contaminated waters shall be made only after approval under the Texas Pollutant Discharge Elimination System authority.

All processed waste will be stored on-site in roll off containers with covers prior to its transport to and final disposal at a TCEQ approved facility. All necessary authorizations and approvals will be obtained and retained within the operating record at the site and a copy will be provided to the TCEQ. All solid waste resulting from the operation of the facility will be disposed of in a manner that will not cause surface water or groundwater pollution. All solid waste generated by the Facility will be processed and disposed at an authorized solid waste management facility.

4.4 Access Control [30 TAC §326.75(g)]

Describe how public access to the facility will be controlled (attach additional pages to answer this question if necessary):

4.5 Operating Hours [(30 TAC §326.75(i))]

Provide the operating hours of the facility; ***include justification for hours outside of 7:00 a.m. to 7:00 p.m., Monday through Friday:***

The proposed R&J Recycling and Disposal Medical Waste Facility will be located within the boundaries of the existing R&J Recycling and Disposal Transfer Station. The permitted hours for the existing Transfer Station are continuous (i.e. operating 24-hours a day, 7 days a week). As such, it is requested that the Medical Waste Facility's operating hours also be continuous (24-hours a day, 7 days a week) in order to match the operating hours previously approved by the TCEQ for the Transfer Station. This will avoid any potential disruptions to operations and facility access that might potentially occur if the facilities were on different schedules. In addition, these hours are also necessary in order to accommodate those businesses that require transport of medical waste outside of regular business hours.

List the alternative operating hours, if any, of up to five days in a calendar-year period:
n/a

Unit Type	Minimum Number of Units	Design Details	Approximate Dimensions	Approximate Capacity per Unit
Roll off container	1	Coverable, typical	22'-11" L 7'-9" W 4'-6" H	20 cubic yards
Contaminated Water Holding Tank	1	Polyethylene, Plastic, Double-walled, Storage Tank	3.5' DIA. 7' L	500 gallons
Waste Cart	1	Plastic, Wheeled	2' x 4' x 4'	1.2 cubic yards

Foundations and Supports

Provide a generalized description of construction materials for slab and subsurface supports of all storage and processing components (attach additional pages to answer this question if necessary):

Medical waste processing, transfer, and storage will be conducted inside the proposed Medical Waste building at the R&J Recycling and Disposal Transfer Station. The proposed metal building will be equipped with an 8" thick concrete slab. The slab will be capable of supporting the building, processing units, storage units, and all proposed operations. The waste processing units will sit directly on the building foundation.

Contaminated Water Management

Describe how storage and processing areas will be designed to control and contain spills and prevent contaminated water from leaving the facility. For unenclosed containment areas, also account for precipitation from a 25-year, 24-hour storm (attach additional pages to answer this question if necessary):

All medical waste transfer operations and processing will be conducted inside of the proposed Medical Waste building at the existing R&J Recycling and Disposal Transfer Station. The surrounding ground will be contoured to slope away from the building in order to divert runoff away from the facility. The enclosed metal building will be equipped with three 16 feet wide by 16 feet tall roll-up doors that can be closed if needed to shield the entries from windblown rainfall. Each entry will also be equipped with a roll-over curb to prevent any outside runoff from entering the building and to prevent any wash water from flowing out.

Section 3—Facility Closure

3.1 Closure Plan [30 TAC §326.71(k)]

The operator must comply with the closure requirements listed in 30 TAC §326.71(k).

List other activities that the facility will conduct during closure, if any (attach additional pages to answer this question if necessary):

All waste and any recovered materials or residues will be removed from the facility upon closure by the Owner/Operator. The waste processing units will be decontaminated, dismantled, and removed from the site. The equipment and processing areas of the facility will be disinfected. The Owner/Operator will complete closure of the facility within 180 days following the last acceptance of processed or unprocessed materials, unless otherwise directed or approved in writing by the executive director. No later than 90 days prior to the initiation of facility closure, the Owner/Operator will, through a public notice in the newspaper of largest circulation in the vicinity of the facility, provide public notice for final facility closure. The notice will include the name, address, and physical location of the facility; the permit, registration, or notification number, as appropriate, the last date of intended receipt of waste, and the number of copies of the approved final closure and post-closure plans for public access and review. The Owner/Operator will also provide written notification to the Executive Director of the intent to close the Facility and will place this notice of intent in the operating record. In addition to notification of the Executive Director, a minimum of one sign will be posted at the main entrance and all other frequently used points of access for the facility, notifying all persons who may utilize the facility of the date of closing for the entire facility and the prohibition against further receipt of waste materials after the stated date. Suitable barriers will be installed at all gates and access points to adequately prevent the unauthorized dumping of waste at the closed facility. Within ten days of completing final closure activities at the facility, the Owner/Operator will submit a certification, signed by an independent licensed professional engineer, verifying that final Facility closure has been completed in accordance with the approved Closure Plan. The owner or operator will submit to the executive director all applicable documentation necessary for certification of final facility closure. Upon final closure of this facility, the Owner/Operator will request a voluntary revocation of the facility registration.

3.2 Closure Cost Estimate [30 TAC §326.71(m)]

Provide itemized closure cost estimates in Table 4. The cost estimates must meet the requirements listed in 30 TAC §326.71(m).

Attach documents detailing any additional unit closure costs not itemized. Enter the total of those additional unit closure costs on line 13 of the closure cost worksheet in Table 4.

Section 4—Site Operating Plan

4.1 General [30 TAC §326.75(a)]

Provide the function and minimum qualifications for each category of key personnel to be employed at the facility including supervisory personnel in the chain of command (attach additional pages to answer this question if necessary):

Supervisor - The proposed medical waste facility will be located at the existing R&J Recycling and Disposal Transfer Station and will be overseen by the Transfer Station's existing supervisor. The Supervisor is licensed in accordance with Chapter 30, Subchapters A and F and holds and maintains a MSW Supervisor Occupational license Grade B or above. He is directly responsible to the facility's owner and oversees daily work operations, equipment maintenance and repair, and personnel safety.

Equipment Operator - The Equipment Operator will be stationed at the proposed Medical Waste building. The Operator is responsible for operating the facility in compliance with the Site Operating Plan. His duties include controlling access to the facility, screening incoming medical waste, operating the processing equipment, record keeping, managing waste flow, and general housekeeping. The minimum qualification for Equipment Operator is general facility and regulatory knowledge.

Describe the procedures that the operating personnel will follow for the detection and prevention regarding the receipt of prohibited wastes, including random inspections of packaging of incoming loads, records, and training (attach additional pages to answer this question if necessary):

A variety of procedures will be utilized to detect prohibited wastes and prevent their reception at the facility. These procedures include: (1) Random inspections of incoming loads; (2) Establishing contracts with customers that specifically detail allowable wastes versus those that are prohibited; (3) Record and manifest inspections; (4) Training personnel to recognize prohibited waste and informing facility customers of prohibited wastes.

Facility personnel will also inform waste transportation drivers of facility requirements and screening for prohibited wastes. This information may also be posted on facility signs or provided as a written list to customers and drivers.

If facility personnel identify prohibited waste (or portions of prohibited waste) within a collection vehicle, that vehicle (or portions of waste within that vehicle) will be rejected and immediately sent back to the waste generator.

4.2 Waste Acceptance [30 TAC §326.75(b)]

Describe all sources and characteristics of medical wastes to be received for storage and processing or disposal (attach additional pages to answer this question if necessary):

The proposed facility will accept, store, and process medical waste as defined in §326.3(23), trace chemotherapeutic waste, non-hazardous pharmaceutical waste, and other healthcare-related items that have come into contact with medical waste. Waste falling outside of that definition will be prohibited at this facility. Regulated hazardous wastes and regulated radioactive will not be accepted or processed at the Facility. Untreated waste in storage for 72 hours or more will be refrigerated to at least 45 degrees Fahrenheit or be transported off-site to an authorized facility for treatment. Acceptable medical waste will generally originate from health care institutions, hospitals, physician's offices, clinics, labs, and veterinary facilities. All medical waste will be transported by either the owner or operator or other properly registered haulers. Waste received at the facility will be accompanied by an approved manifest identifying the generator, address of origin, and number of containers. Medical waste (including trace chemotherapeutic waste, non-hazardous pharmaceutical waste, and sharps) will be stored and processed as a single waste stream.

Trained personnel will inspect each load of incoming waste to prevent prohibited wastes from being accepted at the facility. If unacceptable wastes are identified during inspection they will be refused and returned to their place of origin for proper handling. As noted in the previous paragraph, medical waste will be stored and processed as a single waste stream. After inspection, accepted untreated waste will be unloaded at the facility directly to temporary storage. It will then be processed; afterward, the treated waste will be placed in roll-off containers and transported offsite to a TCEQ approved facility for final disposal. Treated and untreated waste will be stored in covered containers in secure areas in order to prevent inadvertent human exposure.

There are no waste constituents or characteristics that could be a limiting parameter that may impact or influence the design and operation of this Facility; thus, no parameter limitations are specified herein.

Additionally, the owner/operator may allow small quantity generators (SQGs) [generators of less than 50 pounds of untreated medical waste per month] to transport sharps, sharps containers, and medical waste to the facility for treatment and disposal after acknowledging and signing an owner/operator-provided form listing all accepted and prohibited wastes of the Facility. This waste stream will be screened and accepted or rejected as described above. Facility personnel will ensure that loading and storage areas are secure from inadvertent human exposure.

Describe the sources and characteristics of recyclable materials, if applicable, to be received for storage and processing (attach additional pages to answer this question if necessary):

Not applicable

Maximum amount of waste to be received daily: 35 ☐ pounds/day ☒ tons /day

Maximum amount of waste to be stored at any point in time: 50 ☐ pounds ☒ tons

Maximum length of time waste is to remain at the facility: 30 ☐ hours ☒ days

Specify the maximum time that unprocessed and processed wastes will be allowed to remain on-site:

Processed: 7 ☐ hours ☒ days

Unprocessed: 72 ☒ hours ☐ days

Identify the intended disposition of processed and unprocessed waste received at the facility (attach additional pages to answer this question if necessary):

Treated waste will be sent to a TCEQ approved municipal solid waste landfill for disposal. Untreated medical waste will be managed in accordance with 25 TAC Subchapter K and applicable sections found in 30 TAC Chapter 326.

4.3 Generated Waste [30 TAC §326.75(c)]

Describe how all liquids and solid waste resulting from the facility operations will be disposed of in a manner that will not cause surface water and groundwater pollution (attach additional pages to answer this question if necessary):

All wash water will be directed into an on-site oil/sand separator and contaminated water holding tank located adjacent to the R&J Recycling and Disposal Medical Waste Facility building. The holding tank will be emptied on an as needed basis by vacuum truck and then transported by an authorized transporter to a TCEQ-authorized facility for final disposal. No wastewaters will be discharged from this facility. Management of wastewater will be in accordance with local, state, and federal requirements. No off-site discharge of contaminated waters are anticipated for this facility; off-site discharge of contaminated waters shall be made only after approval under the Texas Pollutant Discharge Elimination System authority.

All processed waste will be stored on-site in roll off containers with covers prior to its transport to and final disposal at a TCEQ approved facility. All necessary authorizations and approvals will be obtained and retained within the operating record at the site and a copy will be provided to the TCEQ. All solid waste resulting from the operation of the facility will be disposed of in a manner that will not cause surface water or groundwater pollution. All solid waste generated by the Facility will be processed and disposed at an authorized solid waste management facility.

4.4 Access Control [30 TAC §326.75(g)]

Describe how public access to the facility will be controlled (attach additional pages to answer this question if necessary):

4.5 Operating Hours [(30 TAC §326.75(i))]

Provide the operating hours of the facility; *include justification for hours outside of 7:00 a.m. to 7:00 p.m., Monday through Friday:*

The proposed R&J Recycling and Disposal Medical Waste Facility will be located within the boundaries of the existing R&J Recycling and Disposal Transfer Station. The permitted hours for the existing Transfer Station are continuous (i.e. operating 24-hours a day, 7 days a week). As such, it is requested that the Medical Waste Facility's operating hours also be continuous (24-hours a day, 7 days a week) in order to match the operating hours previously approved by the TCEQ for the Transfer Station. This will avoid any potential disruptions to operations and facility access that might potentially occur if the facilities were on different schedules. In addition, these hours are also necessary in order to accommodate those businesses that require transport of medical waste outside of regular business hours.

List the alternative operating hours, if any, of up to five days in a calendar-year period:

n/a