NOTICE OF MEETING

A meeting of the Panhandle Regional Solid Waste Management Advisory Committee (RSWMAC) will be held at 1:30 p.m., on Tuesday, March 31, 2020. Due to the current COVID-19 crisis this meeting will be held by videoconference pursuant to Texas Government Code Section 551.127. The Governor of Texas, in accordance with Section 418.016 of the Texas Government Code, has proclaimed that a state of disaster now exists across Texas and the rules requiring government officials and members of the public to be physically present at a specified meeting location have been suspended until further notice.

Members of the public interested in attending this meeting may do so by logging onto https://global.gotomeeting.com/join/510824813 or may participate by phone by dialing (312) 757-3121 Access Code: 510-824-813. A copy of the agenda packet for this meeting can be found on the PRPC’s website at www.theprpc.org.

AGENDA

1. CALL TO ORDER

2. MINUTES
   Consider approval of the minutes from the December 3, 2019, RSWMAC meeting.

OLD BUSINESS

3. TCEQ ACTION ON MAJOR PERMIT APPLICATION FROM SOUTHWEST LANDFILL TX, LP
   PRPC staff will provide overview of documentation received from TCEQ on Southwest Landfill TX, LP major permit application reviewed on February 8, 2018.

NEW BUSINESS

4. PERMIT APPLICATION FOR TYPE I-AE SOLID WASTE LANDFILL FROM THE CITY OF SHAMROCK
   The Committee will hear a presentation by OJD Engineering, LP and/or City of Shamrock on a permit application for a Type I-AE Landfill. Committee will review and obtain comments then forward to Texas Commission on Environmental Quality (TCEQ).
5. \textbf{REGISTRATION APPLICATION FOR TYPE V MEDICAL WASTE TREATMENT FACILITY FROM DIVERSIFIED WASTE MANAGEMENT, INC.} 
The Committee will hear a presentation by GDS Associates, Inc. and/or Diversified Waste Management on a registration application for a Type V Medical Waste Facility. Committee will review and obtain comments then forward to Texas Commission on Environmental Quality (TCEQ).

6. \textbf{REVIEW AND APPROVE SURVEY FOR REGIONAL SOLID WASTE MANAGEMENT PLAN} 
The RSWMAC will review the survey for the region, sent to stakeholders on the current use of landfills and recycling.

7. \textbf{REVIEW AND APPROVE THE TIMELINE FOR THE REGIONAL SOLID WASTE MANAGEMENT PLAN} 
The RSWMAC will review and approve the timeline schedule of events for the completion of the Regional Solid Waste Management Plan for submittal to TCEQ.

8. \textbf{MISCELLANEOUS INFORMATION ITEMS} 
Roundtable discussion concerning current solid waste and recycling matters

9. \textbf{SCHEDULING OF NEXT RSWMAC MEETING} 

10. \textbf{ADJOURNMENT} 

\textbf{PUBLIC NOTICE} 

This notice complies with Texas Government Code Chapter 551, Open Meetings Act, Section 551.041 (Notice of Meeting Requirements); Section 551.043 (Time and Accessibility of Notice Requirements); and Section 551.053 (Notice Requirements of a Political Subdivision Extending Into Four or More Counties). The notice has been filed at least 72 hours before the scheduled time of the meeting with the Secretary of State’s Office, the Potter County Clerk’s Office, and has been posted in the Administrative Office of the Panhandle Regional Planning Commission.

Posted this 25th day of March, 2020, at 415 West Eighth Avenue, Amarillo, Texas, at 4:34 Pm.

Lori Gunn
ITEM 2

DRAFT Minutes from the 12.3.19 RSWMAC Meeting
A meeting of the Panhandle Regional Solid Waste Advisory Committee (RSWMAC) was held on Tuesday, December 3, 2019 at 12:00 p.m. in the PRPC Board Room, 415 South West Eighth Avenue, Amarillo, Potter County, Texas.

Mr. Tommy Bogart, presided.

MEMBERS PRESENT:
- Blair Snow, City of Amarillo
- Jason Anderson, City of Borger
- Cesar Marquez, City of Bovina
- Dan Reese, City of Canyon
- Curtis Green, City of Dalhart
- Isidro Renteria, City of Dumas
- David Morris, City of Memphis
- Ricky Rivera, City of Pampa
- Tommy Bogart, City of Stratford
- Russell Proctor, City of Tulia
- Jon Michael Walker, City of Wheeler
- Adam Schaer, KB Recycling
- Scott Honeyfield, Parkhill Smith & Cooper
- Orrin Dankworth, Scrap Processing Company

MEMBERS ABSENT:
- Susan Leary, Chamber of Commerce/Keep Childress Beautiful
- Tommy Wyatt, City of Canadian
- Danny Gains, City of Clarendon
- Tony Rios, City of Dimmitt
- Lee Davila, City of Friona
- Drew Brassfield, CPM, SHRM-CP, City of Fritch
- Johnny Torres, City of Hereford
- Harvey Perez, City of Panhandle
- Brandon Knapp, City of Perryton
- Chris Douglas, City of Spearman
- Richard Miller, SCARAB Manufacturing
- Brittany Crawford, TCEQ Region 1
- Julia Savala, TCEQ Region 1
- Anju Chalise, TCEQ-Waste Permits Division - MC124
- Cheryl Untermeyer, TCEQ-Waste Permits Division - MC124
- Kenny Welch, Tri-State Recycling
OTHERS PRESENT:
Ben Holt & Brian Holt, Booker ISD; Dustin Carlisle, City of Dumas; N. Scott Downing, City of Happy; Johnnie Williams, City of Gruver, Joe Orozco, City of Bovina; Salvador Garcia, City of Friona

STAFF PRESENT:
Sharee Bailey, Administrative Program Specialist, Lori Gunn, Regional Services Coordinator, John Kiehl, Regional Services Director

1. **CALL TO ORDER**
   Mr. Tommy Bogart called the meeting to order at 12:05 noting that a quorum was present. Introductions were made and prayer was offered by Ms. Lori Gunn.

2. **MINUTES**
   Members considered the minutes from the October 15, 2019 meeting of the Regional Solid Waste Management Advisory Committee. Mr. Honeyfield moved to approve the minutes as presented. Mr. Renteria seconded; the motion carried.

3. **WORKING LUNCH**

4. **OVERVIEW OF SOLID WASTE GRANTS PROGRAM**
   Ms. Lori Gunn presented an overview on:
   a) The Regional Solid Waste Grants Program – No action was required
   b) Project Consideration and Regional Planning Goals – Mr. Schaer moved to approve. Mr. Renteria seconded; the motion carried.
   c) The RSWMAC’s Grant Selection Criteria and Grant Prioritization Procedures – No action was required.

5. **FY2020 SOLID WASTE GRANT APPLICANT PRESENTATIONS**
   The following applications for the FY2020 Solid Waste Grant funds were presented.

<table>
<thead>
<tr>
<th>PRESENTER</th>
<th>APPLICANT</th>
<th>AMOUNT REQUESTED</th>
</tr>
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<tbody>
<tr>
<td>Sal Rivera</td>
<td>City of Friona</td>
<td>$  25,000.00</td>
</tr>
<tr>
<td>N. Scott Downing</td>
<td>City of Happy</td>
<td>4,600.00</td>
</tr>
<tr>
<td>Tommy Bogart</td>
<td>City of Stratford</td>
<td>15,056.00</td>
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<tr>
<td>Curtis Green</td>
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<td>Johnny Williams</td>
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<td>Ben Holt</td>
<td>Booker ISD</td>
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<tr>
<td>Lori Gunn</td>
<td>PRPC</td>
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<tr>
<td>Joe Orozco</td>
<td>City of Bovina</td>
<td>17,000.00</td>
</tr>
<tr>
<td>Dustin Carlisle</td>
<td>City of Dumas</td>
<td>11,000.00</td>
</tr>
</tbody>
</table>
6. **RSWMAC PRIORITIZATION OF THE FY2020 SOLID WASTE GRANT APPLICATIONS**
   The Committee evaluated and prioritized all of the FY2020 applications. Mr. Renteria moved to present the finalized list to the PRPC Board of Directors for final approval. Mr. Marquez seconded the motion; the motion carried.

7. **MISCELLANEOUS NON-ACTION INFORMATION ITEMS**
   Roundtable discussion concerning current solid waste and recycling matters. Mr. Schaer discussed the OCC.

8. **SCHEDULING OF NEXT RSWMAC MEETING**
   TBA

9. **ADJOURNMENT**
   There being no further business to come before the Committee, Mr. Honeyfield moved that the meeting adjourn. Mr. Schaer seconded the motion; the meeting adjourned at 2:41 p.m.
ITEM 3

Update to Major Permit Amendment Application Review
Southwest Landfill TX, LP
TO: Persons on the attached mailing list.

RE: Southwest Landfill TX, LP
Permit No. 1663C

Decision of the Executive Director.

The executive director has made a decision that the above-referenced permit application meets the requirements of applicable law. **This decision does not authorize construction or operation of any proposed facilities.** This decision will be considered by the commissioners at a regularly scheduled public meeting before any action is taken on this application unless all requests for contested case hearing or reconsideration have been withdrawn before that meeting.

Enclosed with this letter is a copy of the Executive Director’s Response to Comments. A copy of the complete application, draft permit and related documents, including public comments, is available for review at the TCEQ Central office. A copy of the complete application, the draft permit, and executive director’s preliminary decision are available for viewing and copying at the Canyon Public Library, 1501 3rd Avenue, Canyon, Texas 79015. The permit application may be viewed online at [http://www.ftwweaverboos.com](http://www.ftwweaverboos.com).

If you disagree with the executive director’s decision, and you believe you are an “affected person” as defined below, you may request a contested case hearing. In addition, anyone may request reconsideration of the executive director’s decision. The procedures for the commission’s evaluation of hearing requests/requests for reconsideration are located in 30 Texas Administrative Code Chapter 55, Subchapter F. A brief description of the procedures for these two requests follows.

**How to Request a Contested Case Hearing.**

It is important that your request include all the information that supports your right to a contested case hearing. Your hearing request must demonstrate that you meet the applicable legal requirements to have your hearing request granted. The commission’s consideration of your request will be based on the information you provide.

The request must include the following:

1. Your name, address, daytime telephone number, and, if possible, a fax number.
2. The name of the applicant, the permit number and other numbers listed above so that your request may be processed properly.
(3) A statement clearly expressing that you are requesting a contested case hearing. For example, the following statement would be sufficient: “I request a contested case hearing.”

(4) If the request is made by a group or association, the request must identify:

(A) one person by name, address, daytime telephone number, and, if possible, the fax number, of the person who will be responsible for receiving all communications and documents for the group;

(B) the comments on the application submitted by the group that are the basis of the hearing request; and

(C) by name and physical address one or more members of the group that would otherwise have standing to request a hearing in their own right. The interests the group seeks to protect must relate to the organization’s purpose. Neither the claim asserted nor the relief requested must require the participation of the individual members in the case.

Additionally, your request must demonstrate that you are an “affected person.” An affected person is one who has a personal justiciable interest related to a legal right, duty, privilege, power, or economic interest affected by the application. Your request must describe how and why you would be adversely affected by the proposed facility or activity in a manner not common to the general public. For example, to the extent your request is based on these concerns, you should describe the likely impact on your health, safety, or uses of your property which may be adversely affected by the proposed facility or activities. To demonstrate that you have a personal justiciable interest, you must state, as specifically as you are able, your location and the distance between your location and the proposed facility or activities.

Your request must raise disputed issues of fact that are relevant and material to the commission’s decision on this application that were raised by you during the public comment period. The request cannot be based solely on issues raised in comments that you have withdrawn.

To facilitate the commission’s determination of the number and scope of issues to be referred to hearing, you should: 1) specify any of the executive director’s responses to your comments that you dispute; 2) the factual basis of the dispute; and 3) list any disputed issues of law.

**How to Request Reconsideration of the Executive Director’s Decision.**

Unlike a request for a contested case hearing, anyone may request reconsideration of the executive director’s decision. A request for reconsideration should contain your name, address, daytime phone number, and, if possible, your fax number. The request must state that you are requesting reconsideration of the executive director’s decision, and must explain why you believe the decision should be reconsidered.
Deadline for Submitting Requests.

A request for a contested case hearing or reconsideration of the executive director’s decision must be received by the Chief Clerk’s office no later than 30 calendar days after the date of this letter. You may submit your request electronically at www.tceq.texas.gov/agency/decisions/cc/comments.html or by mail to the following address:

   Bridget C. Bohac, Chief Clerk  
   TCEQ, MC-105  
   P.O. Box 13087  
   Austin, Texas 78711-3087

Processing of Requests.

Timely requests for a contested case hearing or for reconsideration of the executive director’s decision will be referred to the TCEQ’s Alternative Dispute Resolution Program and set on the agenda of one of the commission’s regularly scheduled meetings. Additional instructions explaining these procedures will be sent to the attached mailing list when this meeting has been scheduled.

How to Obtain Additional Information.

If you have any questions or need additional information about the procedures described in this letter, please call the Public Education Program, toll free, at 1-800-687-4040.

Sincerely,

   Bridget C. Bohac  
   Chief Clerk  

Enclosure
MAILING LIST
for
Southwest Landfill TX, LP
Permit No. 1663C

FOR THE APPLICANT:

Brian Danko
Southwest Landfill TX, LP
4709 Pine Street
Abilene, Texas  79601

Jason Edwards, P.E.
Weaver Consulting Group, LLC
6420 Southwest Boulevard, Suite 206
Fort Worth, Texas  76109

INTERESTED PERSONS:

Lori Gunn
Panhandle Regional Planning Commission
P.O. Box 9257
Amarillo, Texas  79105

C. Jared Knight
Burdett Morgan Williamson & Boykin
701 South Taylor Street, Suite 440
Amarillo, Texas  79101

Bruce Pistocco
21401 Hope Road
Canyon, Texas  79015

Timothy Bruce Pistocco
P.O. Box 51178
Amarillo, Texas  79159

FOR THE EXECUTIVE DIRECTOR
via electronic mail:

Ryan Vise, Director
Texas Commission on Environmental Quality
External Relations Division
Public Education Program MC-108
P.O. Box 13087
Austin, Texas  78711-3087

Aaron Vargas, Staff Attorney
Anthony Tatu, Staff Attorney
Texas Commission on Environmental Quality
Environmental Law Division MC-173
P.O. Box 13087
Austin, Texas  78711-3087

Frank Zeng, Technical Staff
Texas Commission on Environmental Quality
Waste Permits Division
MSW Permits Section MC-124
P.O. Box 13087
Austin, Texas  78711-3087

FOR PUBLIC INTEREST COUNSEL
via electronic mail:

Vic McWherter, Attorney
Texas Commission on Environmental Quality
Public Interest Counsel MC-103
P.O. Box 13087
Austin, Texas  78711-3087
FOR THE CHIEF CLERK
via electronic mail:

Bridget C. Bohac, Chief Clerk
Texas Commission on Environmental Quality
Office of Chief Clerk MC-105
P.O. Box 13087
Austin, Texas 78711-3087
TO: Persons on the attached mailing list.

RE: Southwest Landfill TX, LP
    Permit No. 1663C

This letter is your notice that the Texas Commission on Environmental Quality (TCEQ) executive director (ED) has acted on the above-named application. According to 30 Texas Administrative Code (TAC) Section 50.135 the ED's action became effective on February 20, 2020, the date the ED signed the permit or other action unless otherwise specified in the permit or other action.

For certain matters, a motion to overturn, which is a request that the commission review the ED's action on an application, may be filed with the chief clerk. Whether a motion to overturn is procedurally available for a specific matter is determined by Title 30 of the Texas Administrative Code Chapter 50. According to 30 TAC Section 50.139, an action by the ED is not affected by a motion to overturn filed under this section unless expressly ordered by the commission.

If a motion to overturn is filed, the motion must be received by the chief clerk within 23 days after the date of this letter. An original and 7 copies of a motion must be filed with the chief clerk in person, or by mail to the chief clerk's address on the attached mailing list. On the same day the motion is transmitted to the chief clerk, please provide copies to the applicant, the ED's attorney, and the Public Interest Counsel at the addresses listed on the attached mailing list. If a motion to overturn is not acted on by the commission within 45 days after the date of this letter, then the motion shall be deemed overruled.

You may also request judicial review of the ED's action. The procedure and timelines for seeking judicial review of a commission or ED action are governed by Texas Health and Safety Code Section 361.321.
Individual members of the public may seek further information by calling the Public Education Program, toll free, at 1-800-687-4040.

Sincerely,

Bridget C. Bohac

Bridget C. Bohac
Chief Clerk

BCB/tm

Enclosure
MAILING LIST
for
Southwest Landfill TX, LP
Permit No. 1663C

FOR THE APPLICANT:

Brian Danko, Environmental Manager
Southwest Landfill TX, LP
4709 Pine Street
Abilene, Texas 79601

Jason A. Edwards, P.E.
Weaver Consultants Group
6420 Southwest Boulevard, Suite 206
Fort Worth, Texas 76109

PROTESTANTS/INTERESTED PERSONS:

Lori Gunn
Panhandle Regional Planning Commission
P.O. box 9257
Amarillo, Texas 79105

Jared C. Knight
Burdett Morgan Williamson & Boykin
701 South Taylor Street, Suite 440
Amarillo, Texas 79101

Bruce Pistocco
21401 Hope Road
Canyon, Texas 79015

Dr. Timothy Bruce Pistocco
P.O. Box 51178
Amarillo, Texas 79159

FOR THE EXECUTIVE DIRECTOR
via electronic mail:

Ryan Vise, Director
Texas Commission on Environmental Quality
External Relations Division
Public Education Program MC 108
P.O. Box 13087
Austin, Texas 78711-3087

Aaron Vargas, Anthony Charles Tatu, Staff Attorneys
Texas Commission on Environmental Quality
Environmental Law Division MC 173
P.O. Box 13087
Austin, Texas 78711-3087

Frank Zeng, Technical Staff
Texas Commission on Environmental Quality
Waste Permits Division MC 124
P.O. Box 13087
Austin, Texas 78711-3087

FOR PUBLIC INTEREST COUNSEL
via electronic mail:

Vic McWherter, Attorney
Texas Commission on Environmental Quality
Public Interest Counsel MC 103
P.O. Box 13087
Austin, Texas 78711-3087

FOR THE CHIEF CLERK
via electronic mail:

Bridget C. Bohac, Chief Clerk
Texas Commission on Environmental Quality
Office of Chief Clerk MC 105
P.O. Box 13087
Austin, Texas 78711-3087
ITEM 4

Permit Application Review for Type I-AE Solid Waste Landfill from City of Shamrock
a. PLAN CONFORMANCE/PERMIT REVIEW

All MSW facilities proposed for siting in the Panhandle must conform to the regional solid waste management plan. This is a condition of the TCEQ's MSW facility permitting requirements and other applicable state statutes (§363.066, Texas Health and Safety Code and §330.566 Subchapter O).

As such, one of the primary functions of the Regional Solid Waste Advisory Committee (RSWMAC) is to review permit and registration applications being filed from this region to assess their conformance to the Panhandle Regional Solid Waste Management Plan. The findings of the RSWMAC are then presented to the Texas Commission on Environmental Quality (TCEQ). The RSWMAC’s comments or recommendations will be considered by the Commission when it decides whether or not to grant the permit or registration request.

In the Panhandle region, the following procedures will be followed by the RSWMAC when asked to review a permit or registration application for regional plan conformance.

Timing of a Review Request: Applicants may only request a conformance review of their registration or permit application after Part 1 and Part 2 of the filing forms have been fully completed. These documents will be submitted to the PRPC as part of the review process.

Additional Required Filing Information: In addition to submitting Part 1 and Part 2 of the permit application, applicants will also be required to submit a completed Panhandle Regional Solid Waste Plan Conformance Checklist (shown as Exhibit A to this planning document). Subchapter E of the TCEQ’s permitting procedures (§ 330.51 (10)) states that it is the responsibility of the applicant to demonstrate conformance with the regional solid waste plan. This then is the purpose of the regional plan checklist. The applicant will complete the form to the best of his or her ability to indicate how the proposed facility will help in promoting the goals and objectives of the regional plan. The chief administrative officer of the applicant organization must sign the form to attest to the accuracy and truthfulness of the information presented.

Requesting a Registration or Application Review: When requesting a review, applicants will submit the following documents to the PRPC:

1. Two (2) full copies of Part 1 and Part 2 of the application form;
2. One (1) originally signed copy of the Panhandle Regional Solid Waste Plan Conformance Checklist; and
3. One (1) copy of any other information which the applicant may view as helping to facilitate the RSWMAC review process.

This information must be submitted under a cover letter which lists the following information.

1. The chief contact person for the application;
2. The contact information for that individual;
3. The name of the engineer representing the applicant;
4. The contact information for the applicant’s engineer; and
5. The contact information for the TCEQ staff person to whom all review-related correspondence should be sent.
The submission documents and cover letter must be addressed and delivered to the PRPC’s Regional Solid Waste Management Coordinator at the following address:

**Mailed Requests:**
- PRPC
- Attn: SW Program Coordinator
- P.O. Box 9257
- Amarillo, TX 79105

**Hand-Delivered Request:**
- PRPC
- Attn: SW Program Coordinator
- 415 West Eighth Avenue
- Amarillo, TX 79101

No RSWMAC review requests will be considered until all the required information has been submitted in its completed form.

Once it has been determined all information has been properly filed, the PRPC Regional Solid Waste Coordinator, will confirm its receipt in writing to the applicant and schedule a meeting of the RSWMAC to review the application at the earliest possible date. Applicants will be notified in writing of the application review date and are strongly encouraged to attend that RSWMAC meeting to present their application to the committee.

**RSWMAC’s Conformance Review Considerations:** The RSWMAC will consider the following factors when determining how a proposed facility will or will not conform to the regional solid waste plan.

1. The information provided on the applicant's Panhandle Regional Solid Waste Plan Conformance Checklist; and

2. The general compatibility of the proposed facility to existing surrounding land use.

The second of these two factors is not intended to supercede or take the place of the land use compatibility determination that will ultimately be made by the TCEQ. The TCEQ requires that the RSWMAC make some judgment, outside that which will be made by the Commissioners, as to the appropriateness of the proposed facility in relation to the existing surrounding land use.

The types of information that will be considered with regard to general land use compatibility will include but may not be limited to:

**For landfills:** The proposed fill height of the facility and how it will eventually impact the existing appearance of the surrounding area.

**For landfills:** If the proposed facility is within an area covered by a set of local zoning requirements, applicant must demonstrate that the proposed facility will be conformance with those zoning standards.

**For landfills:** How the proposed facility will impact existing traffic patterns in and adjacent to the proposed facility.

**For transfer facilities:** The measures that will be taken, if necessary, to blend the appearance and operation of the proposed facility in with its surroundings.

**For transfer facilities:** If the proposed facility is within an area covered by a set of local zoning requirements, applicant must demonstrate that the proposed facility will be conformance with those zoning standards.

**For transfer facilities:** How the proposed facility will impact existing traffic patterns in and adjacent to the proposed facility.
For other MSW Facilities: The measures that will be taken, if necessary, to blend the appearance and operation of the proposed facility in with its surroundings.

For other MSW Facilities: If the proposed facility is within an area covered by a set of local zoning requirements, applicant must demonstrate that the proposed facility will be conformance with those zoning standards.

For other MSW Facilities: How the proposed facility will impact existing traffic patterns in and adjacent to the proposed facility.

Unless the property adjacent to the proposed facility site has been purchased, zoned and/or platted for future development at the time the permit/registration application is submitted for review, the RSWMAC will generally not consider future growth patterns as a factor of the conformance review. As a pre-existing facility, the RSWMAC would consider the rights of the MSW facility to hold precedence over the rights of the individual or entity that might elect to develop that adjacent property in the future.

The RSWMAC reserves the right to solicit letters of comment from individuals and organizations located within the proposed facility's impact area when considering the general land use compatibility factor.

RSWMAC’s Conformance Review Findings: There are four responses the RSWMAC may consider when determining the conformance of a proposed facility to the regional solid waste management plan. Those are:

1. A finding that additional information will be required before a final recommendation can be rendered.
2. A finding of conformance with the plan prompting a recommendation to the TCEQ that the application be approved as presented.
3. A finding of non-conformance, citing the areas where the non-conformance occurs, prompting a recommendation to the TCEQ that the permit or registration not be granted until the noted deficiencies are corrected.
4. A finding of incompatibility with existing surrounding land use, prompting a recommendation to the TCEQ that a land use compatibility hearing be held before the granting of the permit or registration is considered.

It should be noted that this review is not an application approval or disapproval process. It is merely a means by which the RSWMAC can voice its qualified opinion of how the proposed facility conforms to the regional solid waste management plan to the body that will eventually approve or disapprove the application.

Communicating the RSWMAC’s Conformance Review Findings: The PRPC’s Regional Solid Waste Program Coordinator will be responsible for communicating the RSWMAC’s findings in writing to all affected parties. Those findings will be communicated as follows.

An original copy of the RSWMAC’s recommendation letter, signed by the current year RSWMAC chairperson, will be sent to the individual identified in the applicant’s cover letter as being the appropriate TCEQ contact person. The letter will be mailed seven days following the meeting during which the RSWMAC recommendation was made allowing the applicant time, if necessary, to appeal the recommendation of the RSWMAC.
A copy of the letter will be sent to the person identified in the applicant’s cover letter as being the chief contact person for the application. The letter will be mailed immediately following the meeting during which the RSWMAC recommendation was made.

A copy of the letter will be sent to the person identified in the applicant’s cover letter as being the engineer representing the applicant. The letter will be mailed immediately following the meeting during which the RSWMAC recommendation was made.

**Appeals Process:** The RSWMAC is an Advisory Committee to the Panhandle Regional Planning Commission’s Board of Directors. The PRPC Board has vested the responsibility for MSW facility application review with the RSWMAC. In general, the recommendations of the RSWMAC will be final.

An applicant may appeal the disposition of its application **only** if the application review is not processed and treated in accordance with the procedures set forth in this section.

All appeals, including the specific alleged procedural violation(s), must be submitted to the PRPC Executive Director in writing. The Executive Director may then take one of the following actions:

1. Investigate the allegation and determine that the appeal is not valid. In such case, the applicant will receive in writing the basis for the decision to reject the applicant’s appeal. In such case, the decision of the Executive Director is final.

2. If there is some validity to the appeal, the Executive Director will place the appeal on the agenda of the PRPC Board of Directors. The protesting applicant will be notified of the time and date of the meeting during which the Board of Directors will consider the appeal. The applicant will be given the opportunity to present his/her case directly to the PRPC Board of Directors. The Board of Directors will then render a decision on the appeal of the protesting applicant. All decisions made by the PRPC Board of Directors will be final.

An appeal can be filed at any time during the seven calendar-day period following the date on which the RSWMAC developed its recommendation. The appeal must be received by the PRPC during that timeframe. Any appeals received after that date will not be considered and the RSWMAC recommendation letter will be immediately forwarded to the TCEQ.

**Voluntary Pre-Application Review:** A potential permit or registration applicant may, at their discretion, ask to meet with the PRPC Regional Solid Waste Program Coordinator to discuss their impending application. The PRPC Solid Waste Program Coordinator will provide the potential applicant with his/her observations of the proposed facility in relation to the regional solid waste management plan. In so doing, this may help to ensure the ultimate conformance of the proposed facility with the regional plan.
This checklist is designed to assist the MSW facility permit or registration applicant in meeting the TCEQ’s application requirements. Subchapter E (§ 330.51 (10)) of the Texas Administrative Code states that it is the applicant’s responsibility to demonstrate conformance with the regional solid waste management plan.

The TCEQ requires the Panhandle Regional Solid Waste Management Advisory Committee (RSWMAC) review your application to determine if the proposed facility will conform to the Panhandle Regional Solid Waste Management Plan. The questions below pertain to the goals and objectives of that plan. Your response to these questions will provide the RSWMAC with a perspective on how your proposed facility will support the plan’s goals.

All questions relating to the type of facility being permitted or registered must be answered. A response of “Not Applicable” or “N/A” will not be acceptable. This checklist must be fully completed and submitted to the PRPC, along with Parts 1 and 2 of your facility application, before the local conformance review process can be initiated. The certification box must be signed by the chief administrative officer of the applicant entity indicating that the information provided herein is accurate and true.

Section 1: General Applicant Information

1.1. Applicant’s Name  City of Shamrock

1.2. Is this a permit or a registration application? (please check the appropriate box and provide the application number.)

☐ Permit No. 2281
☐ Registration No.

1.3. What type of MSW facility is being registered or permitted? (please check the appropriate box)

☐ Type I Landfill
☐ Type I AE Landfill
☐ Type IV Landfill
☐ Type IV AE Landfill
☐ Type V Facility
☐ Other (please describe)

Describe “Other” below:

________________________________________________________________________

1.4. What types of waste(s) will be accepted at your facility? Please specify any special wastes.

Municipal solid wastes, sludge, Class II Industrial Waste, and special waste

________________________________________________________________________

1.5. What entity(ies) in the Panhandle region is this facility intended to serve?

Wheeler County, City of Shamrock, City of Wheeler, Community of Samnorwood, and Community of Lela.
Regional Solid Waste Plan  
Performance Checklist  

1.6 Do you plan to accept out-of-state waste at your facility? If Yes, what percent of your projected waste stream will be from out-of-state?  

☐ Yes  ☒ No  

Section 2: Regional Planning Goal Conformance  
Please provide information as to how your proposed facility will help to support or conform with the goals and/or objectives of the Panhandle Regional Solid Waste Management Plan:  

Panhandle Regional Solid Waste Plan Goal #1  
Develop programs to facilitate the development and maintenance of local source reduction, waste minimization, recycling, and composting programs within the region, thus, conserving disposal capacity and resources to the extent technically and economically feasible.  

(Note: Recycling includes yard waste composting)  

2.2.1. Will your facility divert for recycling or beneficial reuse any of the following items?  

☐ White Goods  ☐ Yard Waste  

☐ Scrap Metal  ☐ Construction/Demolition Debris  

☐ Tree limbs or brush  ☐ Other (please describe)  

Describe “Other” below:  

__________________________________________________________________________  

__________________________________________________________________________  

__________________________________________________________________________  

__________________________________________________________________________  

2.2.2. Do you believe your facility will support this regional planning goal? If so, please explain.  

The City of Shamrock MSW Landfill will support the regional planning goal by utilizing progress in waste reduction, minimization, and reuse. Exercise waste management in a behavior that encourages cost-effective diversion, assemblage, and final disposal. Enhance resource assemblage and deflection.  

__________________________________________________________________________  

__________________________________________________________________________  

__________________________________________________________________________  

__________________________________________________________________________  

__________________________________________________________________________
Panhandle Regional Solid Waste Plan Goal #2

Develop regional cost-effective, efficient and environmentally-suitable solid waste management systems.

2.2.1. Per your operating plan, describe how you will achieve environmentally-suitable cost effectiveness and efficiency with your facility? (if additional space is needed, attached an additional sheet and provide the information under a heading titled “Planning Goal #2.2.1.”)

   The City of Shamrock MSW Landfill will evaluate secondary options for cost effective and agreeable measures to divert green waste. The city will consider implementing programs in the future to help reduce the disposal volume of unnecessary items and initiate long-term strategies that include counsel for future funding policies.

2.2.2. How will your facility customer base benefit from any efficiencies or cost effectiveness? (if additional space is needed, attached an additional sheet and provide the information under a heading titled “Planning Goal #2.2.2.”)

   The customer base will benefit by having their cost reduced by the city implementing measures to divert green waste and reduce unnecessary waste disposal at the landfill.

2.2.3. Do you believe your facility will support this regional planning goal? If so, please explain. (if additional space is needed, attached an additional sheet and provide the information under a heading titled “Planning Goal #2.2.3.”)

   Yes, the City of Shamrock MSW facility will support the regional planning goal by adhering to any future recommendations and ideas that the Regional Planning Commission implements to achieve planning goals.
2.3.1. What measures will you take to make your services conveniently accessible to the public? (if additional space is needed, attached an additional sheet and provide the information under a heading titled “Planning Goal #2.3.1.”)

The City of Shamrock will assess the waste management needs on a short, medium, and long-term basis to optimize the proficiency and performance of their existing waste services that are provided. The city will provide convenient hours of operation to the public and ease of accessibility to the disposal sites located in the landfill.

2.3.2. As part of your operating plan, would you be willing to accept waste from locally-sponsored litter and illegal dumping clean-up projects at no cost or at significantly reduced costs? Please explain. (if additional space is needed, attached an additional sheet and provide the information under a heading titled “Planning Goal #2.3.2.”)

Yes, this aids in community cleanliness and pride, and is needed for vector control.

2.3.3. Do you believe your facility will support this regional planning goal? If so, please explain. (if additional space is needed, attached an additional sheet and provide the information under a heading titled “Planning Goal #2.3.3.”)

Yes, the City of Shamrock MSW facility will support the regional planning goal by providing awareness to local citizens of proper waste disposal methods, as well as the negative impacts associated with illegal and improper disposal practices.
Regional Solid Waste Plan
Performance Checklist

Panhandle Regional Solid Waste Plan #4 (Land Use Compatibility)

Maintain administrative structures that will ensure at least some measure of local control over future systems operations and provide an element of control over siting of future landfills in the region.

2.4.1. Is the site of your proposed facility in an area that has been zoned by one of the region’s local governments?
- Yes
- No

2.4.2. If Yes, which local government zoning standards will this facility have to comply with? Also, attached documentation from the zoning entity indicating that the proposed facility is in compliance with the standards.

The proposed facility will comply with the City of Shamrock’s zoning standards.

2.4.3. Describe the current land use within ½ mile of the proposed facility site?
- To the North: Existing MSW Landfill and natural pasture/grazing cattle.
- To the South: Natural pasture/grazing cattle.
- To the East: Natural pasture/grazing cattle.
- To the West: Natural pasture/grazing cattle.

2.4.4. If the proposed facility is a landfill, what will be the maximum fill height of the facility?

The maximum fill height will be natural grade, as the facility is utilizing trench system as the method for disposal. Cover material will come from the new pits that are to be constructed once the current pit being used is at capacity.

2.4.5. When the maximum fill height is reached, how will the facility compare to surrounding elevation features (surrounding meaning, “within a two-mile circumference of the facility”)? Will this be the most prominent elevation feature within a 2-mile radius? Please explain. (if additional space is needed, attached an additional sheet and provide the information under a heading titled “Planning Goal #2.4.5.”)

The maximum fill height will be natural at grade; therefore, this will not be the most prominent elevation feature within a 2-mile radius. Elevation features of the proposed landfill will have no impact on the surrounding area.
2.4.6. If the proposed facility is a transfer station or some “Other” type of MSW facility, how will it be built and operated to correspond with the way the property adjacent to the proposed facility site is currently being used? (if additional space is needed, attached an additional sheet and provide the information under a heading titled “Planning Goal #2.4.6.”)

The proposed facility will be built using a trench system like the existing adjacent landfill and will be operated in the same manner as the adjacent landfill.

2.4.7. Will vehicular traffic into and out of the proposed facility disrupt or impact the area’s existing traffic patterns? Please explain. (if additional space is needed, attached an additional sheet and provide the information under a heading titled “Planning Goal #2.4.7.”)

Vehicular traffic into and out of the proposed facility will not disrupt or impact the area’s existing traffic pattern, as the proposed facility is adjacent to the existing landfill.

2.4.8. To the best of your knowledge, is there any pre-existing, planned development of the property adjacent to the proposed facility site? If Yes, please explain. (if additional space is needed, attached an additional sheet and provide the information under a heading titled “Planning Goal #2.4.8.”)

☐ Yes  ☒ No
2.4.9. Do you believe your proposed facility is compatible with the current land uses surrounding the proposed site? Please explain. (if additional space is needed, attached an additional sheet and provide the information under a heading titled “Planning Goal #4.8”)

Yes, the proposed facility is compatible with the current land use, as the existing City of Shamrock landfill is located directly north of the proposed site.

Panhandle Regional Solid Waste Plan Goal #5
Regionally, ensure continued, adequate disposal capability

2.5.1. If the proposed facility is other than a landfill, where will the stored or processed wastes be taken for disposal?

2.5.2. If the proposed facility is other than a landfill, what, if any, type of measures will be taken to minimize, reduce, or recycle the waste before it is hauled off for disposal?

2.5.3. If the proposed facility is a landfill, what type of measures will be taken to compact the landfilled waste? What is your projected compaction ratio? 1,117 pounds per cubic yard. What type of equipment will you use to achieve this compaction ratio? Caterpillar 953 track loader and 755 John Deere track loader or equal.
Regional Solid Waste Plan
Performance Checklist

2.5.4. Do you plan on using Alternative Daily Cover materials or other space-savings measures that might extend the useful life of your landfill? If "Yes", please explain.
No, there will be no alternative material used for daily cover.

2.5.5. Do you believe that your proposed facility will contribute toward this regional goal? If so, please explain. (If additional space is needed, attached an additional sheet and provide the information under a heading titled "Planning Goal #2.5.5").
Yes, the proposed facility will contribute toward the regional goal by employing above standard compaction methods, allowing adequate disposal capacity to be accomplished.

Section 3: Certifications

I hereby certify that the information contained herein is, to the best of my knowledge complete and accurate and that the information in fact represents the MSW facility for which this entity is requesting a TCEQ registration or permit.

Name of Applicant/Chief Administrative Officer: Tommye Cole

Title of Chief Administrative Officer: City Manager

Signature of Chief Administrative Officer

Date: March 26, 2020

NOTE:

PLEASE COMPLETE THIS FORM AS FULLY AND AS ACCURATELY AS POSSIBLE. YOUR COMPLETED CHECKLIST WILL BE SUBMITTED TO THE PERMITS SECTION OF THE TEXAS COMMISSION ON ENVIRONMENTAL QUALITY ALONG WITH THE REGIONAL SOLID WASTE MANAGEMENT ADVISORY COMMITTEE'S CONFORMANCE REVIEW ASSESSMENT.
CITY OF SHAMROCK MUNICIPAL LANDFILL

116 W. 2nd Street
Shamrock, Texas 79079

TYPE IAE
SOLID WASTE
MUNICIPAL SOLID WASTE FACILITY
PERMIT APPLICATION
PART I

Submitted on:
December 2019
March 2020 NOD

Submitted to:
Municipal Solid Waste Permits Section, MC 124
Waste Permits Division
Texas Commission on Environmental Quality
P.O. Box 13087
Austin, Texas 78711-3087

Submitted for:
City of Shamrock
Lynn Ramsey, Mayor

Submitted by:
Che Shadle, PE
OJD Engineering, LP
# TABLE OF CONTENTS

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g) APPOINTMENTS .......................................................................................... 4  
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PART I PERMIT APPLICATION

a) GENERAL

1) Part I of the application consists of information that is required regardless of the type of facility involved. All items required by this section, §281.5 of this title (relating to Application for Wastewater Discharge, Underground Injection, Municipal Solid Waste, Radioactive Material, Hazardous Waste, and Industrial Solid Waste Management Permits) and §305.45 of this title (relating to Contents of Application for Permit) must be submitted.

2) Submittal of Part I by itself will not necessarily require publication of a notice of intent to obtain a municipal solid waste (MSW) permit under the provisions of Texas Health and Safety Code (THSC), §361.0665, or a notice concerning receipt of a permit application under the provisions of THSC, §326.079.

3) For a permit application, submittal of Part I only will not allow a permit application to be declared administratively complete under the provisions of THSC, §631.068; §281.3 of this title (relating to Initial Review); and §281.18 of this title (relating to Applications Returned).

b) FACILITY LOCATION

1) The site is located 1 1/2 miles northwest of the City of Shamrock on County Road 15.

2) The site is accessible to the citizens of Shamrock by the use of the westbound access road of I-40 and a paved county road that leads directly to the site. These roads are all-weather roads, and should provide a safe and expedient roadway any time of year. Also, the site is approachable from the east and west via an unpaved county road. The road will be adequate for dry conditions.

3) The longitudinal and latitudinal geographic coordinates for the facility are: Long – 35° 14’ 53.99” N   Lat – 100° 16’ 19.13” W


c) MAPS

1) General. All maps that are provided in this application include all the requirements set forth in §305.45

2) General location maps. A general location map has been provided with a scale of one-half inch equals one mile as Appendix 7.
3) Land ownership map with accompanying landowner list within a ¼ mile of the facility is provided as Appendix 8.

d) PROPERTY OWNER INFORMATION

1) Legal Description of the facility is provided as Appendix 9:

2) Attached is a property owner affidavit signed by the owner that includes the following:

   A) acknowledgment that the State of Texas may hold the property owner of record either jointly or severally responsible for the operation, maintenance, and closure and post-closure care of the facility;

   B) for facilities where waste will remain after closure, acknowledgement that the owner has a responsibility to file with the county deed records an affidavit to the public advising that the land will be used for a solid waste facility prior to the time that the facility actually begins operating as a municipal solid waste landfill facility, and to file a final recording upon completion of disposal operation and closure of the landfill units in accordance with §330.19 of this title (relating to Deed Recordation); and

   C) acknowledgement that the facility owner or operator and the State of Texas shall have access to the property during the active life and post-closure care period, if required, after closure for the purpose of inspection and maintenance.

e) LEGAL AUTHORITY

Verification of the City of Shamrock’s legal status as required by §281.5 of this title has been verified. There are no individuals with 20% or more ownership in the facility.

f) EVIDENCE OF COMPETENCY

1) a list of all of the Texas solid waste sites the City of Shamrock has owned or operated within the last ten years has been Municipal Solid Waste Facility Permit Application No. MSW-2281, City of Shamrock, Wheeler County, Texas. Former City of Shamrock MSW Permit No. 244 was revoked on 6/6/2019.
2) The City of Shamrock has no direct financial interest in any other states, territories, or countries.

3) The executive director shall require that a licensed solid waste facility supervisor, as defined in Chapter 30 of this title (relating to Occupational Licenses and Registrations), be employed before commencing facility operation. The licensed solid waste facility supervisor for the site is Tommye Cole, License Number – SW0006995, Expiration Date – 12/07/2020.

4) Tommye Cole – City Manager MSW License #SW0006995

5) The City of Shamrock will use a Caterpillar 953 front end loader or equal, a John Deere 750 Track Loader or equal for primary operations at the site

6) Not applicable

g) APPOINTMENTS

The City of Shamrock shall provide documentation that the person signing the application meets the requirements of §305.44 of this title (relating to Signatories to Applications). If the authority has been delegated, provide a copy of the document issued by the governing body of the owner or operator authorizing the person that signed the application to act as agent for the owner or operator.

h) APPLICATION FEES

1) In accordance with §305.53 of this title (relating to Application Fee), the application fee is $2,050.

2) Not applicable
## LIST OF ATTACHMENTS

<table>
<thead>
<tr>
<th>Appendix</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appendix 1</td>
<td>Supplemental Technical Report</td>
</tr>
<tr>
<td>Appendix 7</td>
<td>General Location Map</td>
</tr>
<tr>
<td>Appendix 8</td>
<td>Landownership Map &amp; Mailing Labels</td>
</tr>
<tr>
<td>Appendix 9</td>
<td>Legal Description</td>
</tr>
<tr>
<td>Appendix 39</td>
<td>Copy of Check</td>
</tr>
</tbody>
</table>
Facility Name: City of Shamrock Landfill  
Permittee/Registrant Name: City of Shamrock  
MSW Authorization #: 2281  
Initial Submittal Date: 7/1/1999  
Revision Date: 12/1/2019

Texas Commission on Environmental Quality  
Part I Form for New Permit/Registration and Amendment Applications for an MSW Facility

<table>
<thead>
<tr>
<th>1. Reason for Submittal</th>
<th></th>
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<tbody>
<tr>
<td>✑ Initial Submittal</td>
<td>☐ Notice of Deficiency (NOD) Response</td>
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<table>
<thead>
<tr>
<th>2. Authorization Type</th>
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<tbody>
<tr>
<td>✑ Permit</td>
<td>☐ Registration</td>
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<table>
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<tr>
<th>3. Application Type</th>
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<tbody>
<tr>
<td>☐ New</td>
<td>✑ Major Amendment</td>
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<tr>
<td></td>
<td>☐ Major Amendment (Limited Scope)</td>
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<th>4. Application Fees</th>
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<tbody>
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<td>✑ Pay by Check</td>
<td>☐ Online Payment</td>
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If paid online, e-Pay Confirmation Number:

<table>
<thead>
<tr>
<th>5. Application URL</th>
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<tbody>
<tr>
<td>Is the application submitted for Type I Arid Exempt (AE) and/or Type IV AE facility?</td>
<td></td>
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<tr>
<td>✑ Yes</td>
<td>☐ No</td>
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</tbody>
</table>

If the answer is "No", provide the URL address of a publicly accessible internet web site where the application and all revisions to that application will be posted.  
http://

<table>
<thead>
<tr>
<th>6. Application Publishing</th>
<th></th>
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</thead>
<tbody>
<tr>
<td>Party Responsible for Publishing Notice:</td>
<td></td>
</tr>
<tr>
<td>✑ Applicant</td>
<td>☐ Agent in Service</td>
</tr>
</tbody>
</table>

Contact Name: Tommye Cole  
Title: City Manager
7. Alternative Language Notice

Is an alternative language notice required for this application? (For determination refer to Alternative Language Checklist on the Public Notice Verification Form TCEQ-20244-Waste)

☐ Yes ☒ No

8. Public Place Location of Application

Name of the Public Place: Shamrock City Hall
Physical Address: 116 W. 2nd Street
City: Shamrock County: Wheeler State: Texas Zip Code: 79079
(Area code) Telephone Number: 806.256.3281

9. Consolidated Permit Processing

Is this submittal part of a consolidated permit processing request, in accordance with 30 TAC Chapter 33?

☐ Yes ☐ No ☒ Not Applicable

If “Yes”, state the other TCEQ program authorizations requested:

10. Confidential Documents

Does the application contain confidential documents?

☐ Yes ☒ No

If “Yes”, cross-reference the confidential documents throughout the application and submit as a separate attachment in a binder clearly marked “CONFIDENTIAL.”

11. Permits and Construction Approvals

<table>
<thead>
<tr>
<th>Permit or Approval</th>
<th>Received</th>
<th>Pending</th>
<th>Not Applicable</th>
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</thead>
<tbody>
<tr>
<td>Hazardous Waste Management Program under the Texas Solid Waste Disposal Act</td>
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<tr>
<td>Underground Injection Control Program under the Texas Injection Well Act</td>
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<tr>
<td>National Pollutant Discharge Elimination System Program under the Clean Water Act</td>
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<td>☐</td>
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<td>Waste Discharge Program under Texas Water Code, Chapter 26</td>
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<td>Prevention of Significant Deterioration Program under the Federal Clean Air Act</td>
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<tr>
<td>FCAA. Nonattainment Program under the FCAA</td>
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<tr>
<td>National Emission Standards for Hazardous Air Pollutants Preconstruction Approval</td>
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<td>☒</td>
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<tr>
<td>under the FCAA</td>
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<tr>
<td>Ocean Dumping Permits under the Marine Protection Research and Sanctuaries Act</td>
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</tr>
</tbody>
</table>
12. General Facility Information

Facility Name: City of Shamrock MSWLF
Contact Name: Tommye Cole Title: City Manager
MSW Authorization No. (if available): 2281
Regulated Entity Reference No. (if issued)*: RN101507325
Physical or Street Address (if available): 116 W 2nd Street
City: Shamrock County: Wheeler State: Texas Zip Code: 79079
(Area Code) Telephone Number: 806.256.3281
Latitude (Degrees, Minutes Seconds): 35° 15' 00" N
Longitude (Degrees, Minutes Seconds): 100° 16' 08" W
Benchmark Elevation (above mean sea level): 2315 ft.

Provide a description of the location of the facility with respect to known or easily identifiable landmarks: 1.5 miles NW of the City of Shamrock on County Road 15.

Detail access routes from the nearest United States or state highway to the facility: The facility is located 1.5 miles NW of the City of Shamrock and the intersection of Interstate 40 and US Highway 83 on County Road 15.

*If this number has not been issued for the facility, complete a TCEQ Core Data Form (TCEQ-10400) and submit it with this application. List the Facility as the Regulated Entity.

13. Facility Type(s)

☐ Type I ☐ Type IV
☒ Type I AE ☐ Type IV AE ☐ Type V

14. Activities Conducted at the Facility

☒ Storage ☒ Processing ☒ Disposal
15. Facility Waste Management Unit(s)

- Landfill Unit(s)
- Incinerator(s)
- Class 1 Landfill Unit(s)
- Autoclave(s)
- Process Tank(s)
- Refrigeration Unit(s)
- Storage Tank(s)
- Mobile Processing Unit(s)
- Tipping Floor
- Type VI Demonstration Unit
- Storage Area
- Compost Pile(s) and/or Vessel(s)
- Container(s)
- Other (Specify)
- Roll-off Boxes
- Other (Specify)
- Surface Impoundment
- Other (Specify)

16. Description of Proposed Facility or Changes to Existing Facility

Provide a brief description of the proposed activities if application is for a new facility, or the proposed changes to an existing facility or permit conditions if the application is for an amendment.

The City of Shamrock is proposing an expansion of the 24.43 acre existing landfill to the adjoining 25.00 acres of land located to the south.

17. Facility Contact Information

Site Operator (Permittee/Registrant) Name: Tommye Cole
Customer Reference No. (if issued)*: CN600638829

Contact Name: Tommye Cole
Title: City Manager

Mailing Address: 116 W. 2nd Street
City: Shamrock County: Wheeler State: Texas Zip Code: 79079
(Area Code) Telephone Number: 806.256.3281
Email Address: cityhall@centramedia.net
TX Secretary of State (SOS) Filing Number:

*If the Site Operator (Permittee/Registrant) does not have this number, complete a TCEQ Core Data Form (TCEQ-10400) and submit it with this application. List the Site Operator (Permittee/Registrant) as the Customer.
Facility Name: City of Shamrock Landfill
Initial Submittal Date: 7/1/1999
MSW Authorization #: 2281
Revision Date: 12/1/2019

Operator Name1:
Customer Reference No. (if issued)*:

Contact Name: 
Title: 
Mailing Address:
City: County: State: Zip Code: 
(Area Code) Telephone Number:
Email Address:
TX SOS Filing Number:

If the Operator is the same as Site Operator/Permittee type "Same as "Site Operator (Permittee/Registrant)".  
*If the Operator does not have this number, complete a TCEQ Core Data Form (TCEQ-10400) and submit it with this application. List the Operator as the customer.

Consultant Name (if applicable): OJD Engineering, LP F-4393
Texas Board of Professional Engineers Firm Registration Number:

Contact Name: Che Shadle
Title: PE/Vice President
Mailing Address: 2420 Lakeview Drive
City: Amarillo
County: Potter
State: Texas Zip Code: 79109
(Area Code) Telephone Number: 806.352.7117
E-Mail Address: che.shadle@ojdengineering.com

Agent in Service Name (required only for out-of-state):
Mailing Address:
City: County: State: Zip Code:
(Area Code) Telephone Number:
E-Mail Address:

18. Facility Supervisor’s License
Select the Type of License that the Solid Waste Facility Supervisor, as defined in 30 TAC Chapter 30, Occupational Licenses and Registrations, will obtain prior to commencing facility operations.

☒ Class A ☐ Class B

19. Ownership Status of the Facility

☐ Corporation ☐ Limited Partnership ☐ Federal Government
☐ Individual ☒ City Government ☐ Other Government
☐ Sole Proprietorship ☐ County Government ☐ Military
☐ General Partnership ☐ State Government ☐ Other (Specify):
Does the Site Operator (Permittee/Registrant) own all the facility units and all the facility property?
☑ Yes ☐ No

If "No", provide the information requested below for any additional ownership.

**Owner Name:**
Street or P.O. Box:
City: County: State: Zip Code:
(Area Code) Telephone Number:
Email Address (optional):

---

### 20. Other Governmental Entities Information

**Texas Department of Transportation District:** Childress

District Engineer’s Name: **Martin R. Smith**
Street Address or P.O. Box: **7599 US 287**
City: **Childress** County: **Childress** State: **Texas** Zip Code: **79201**
(Area Code) Telephone Number: **940.937.2571**
E-Mail Address (optional):

**The Local Governmental Authority Responsible for Road Maintenance (if applicable): Wheeler County**

Contact Person’s Name: **Richard Kincannon**
Street Address or P.O. Box: **P.O. Box 69**
City: **Shamrock** County: **Wheeler** State: **Texas** Zip Code: **79079**
(Area Code) Telephone Number: **806.256.2852**
E-Mail Address (optional):

**City Mayor Information**

City Mayor’s Name: **Aaron Shannon**
Office Address: **116 W. 2nd Street**
City: **Shamrock** County: **Wheeler** State: **Texas** Zip Code: **79079**
(Area Code) Telephone Number: **806.256.3281**
E-Mail Address (optional):

**City Health Authority:** Shamrock General Hospital

Contact Person’s Name: **Dr. Manuel Juson**
Street Address or P.O. Box: **1000 S. Main Street**
City: **Shamrock** County: **Wheeler** State: **Texas** Zip Code: **79079**
(Area Code) Telephone Number: **806.256.2114**
E-Mail Address (optional):
County Judge Information
County Judge’s Name:  Jerry Hefley
Street Address or P.O. Box:  401 S. Main Street
City:  Wheeler  County:  Wheeler  State:  Texas  Zip Code:  79096
(Area Code) Telephone Number:  806.826.5961
E-Mail Address (optional):

County Health Authority:  Texas Department of State Health Services
Contact Person’s Name:  Dr. John Hunt
Street Address or P.O. Box:  609 S. Main
City:  Shamrock  County:  Wheeler  State:  Texas  Zip Code:  79079
(Area Code) Telephone Number:  806.256.3655
E-Mail Address (optional):

State Representative Information
District Number:  68
State Representative’s Name:  Drew Springer, Jr.
District Office Address:  110 W. Main St., Suite F
City:  Gainsville  County:  Cooke  State:  Texas  Zip Code:  76240
(Area Code) Telephone Number:  940.580.1770
E-Mail Address (optional):

State Senator Information
District Number:  31
State Senator’s Name:  Kel Seliger
District Office Address:  P.O. Box 9155
City:  Amarillo  County:  Potter  State:  Texas  Zip Code:  79105
(Area Code) Telephone Number:  806.374.8994
E-Mail Address (optional):

Council of Government (COG) Name:  Panhandle Regional Planning Commission
COG Representative’s Name:  Kyle Ingham
COG Representative’s Title:  Executive Director
Street Address or P.O. Box:  P.O. Box 9257
City:  Amarillo  County:  Potter  State:  Texas  Zip Code:  79105
(Area Code) Telephone Number:  806.372.3381
E-Mail Address (optional):  kingham@theprpc.org
River Basin Authority Name: Red River Authority
Contact Person’s Name: Cole Camp
Watershed Sub-Basin Name: North Fork Red River
Street Address or P.O. Box: 3000 Hammon Road
City: Wichita Falls County: Wichita State: Texas Zip Code: 76310
(Area Code) Telephone Number: 940.723.2236
E-Mail Address (optional):

Coastal Management Program
Is the facility within the Coastal Management Program boundary?
☐ Yes ☒ No

U.S. Army Corps of Engineers
The facility is located in the following District of the U.S. Army Corps of Engineers:
☐ Albuquerque, NM ☐ Galveston, TX
☐ Ft. Worth, TX ☒ Tulsa, OK

Local Government Jurisdiction
Within City Limits of: Shamrock
Within Extraterritorial Jurisdiction of: Shamrock

Is the facility located in an area in which the governing body of the municipality or county has prohibited the storage, processing or disposal of municipal or industrial solid waste?
☐ Yes ☒ No

(If “Yes”, provide a copy of the ordinance or order as an attachment):
Signature Page

I, ________________________________, (Site Operator (Permittee/Registrant)’s Authorized Signatory) ___________________________ (Title)
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.

Signature: ___________________________ Date: __________

---

TO BE COMPLETED BY THE OPERATOR IF THE APPLICATION IS SIGNED BY AN AUTHORIZED REPRESENTATIVE FOR THE OPERATOR

I, ________________________________, hereby designate ________________________________
(Print or Type Operator Name) (Print or Type Representative Name)
as my representative and hereby authorize said representative to sign any application, submit additional information as may be requested by the Commission; and/or appear for me at any hearing or before the Texas Commission on Environmental Quality 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.

__________________
Printed or Typed Name of Operator or Principal Executive Officer

__________________
Signature

---

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
(Note: Application Must Bear Signature & Seal of Notary Public)
Part I Attachments

(See Instructions for P.E. seal requirements.)

**Required Attachments**

- Supplementary Technical Report
- Property Legal Description
- Property Metes and Bounds Description
- Facility Legal Description
  - Facility Metes and Bounds Description
  - Metes and Bounds Drawings
  - On-Site Easements Drawing
- Land Ownership Map
- Land Ownership List
  - Electronic List or Mailing Labels
- Texas Department of Transportation (TxDOT) County Map
- General Location Map
- General Topographic Map
- Verification of Legal Status
- Property Owner Affidavit
- Evidence of Competency

**Additional Attachments as Applicable- Select all those apply and add as necessary**

- [ ] TCEQ Core Data Form(s)
- [ ] Signatory Authority Delegation
- [ ] Fee Payment Receipt
- [ ] Confidential Documents
- [ ] Waste Storage, Processing and Disposal Ordinances
- [ ] Final Plat Record of Property
- [ ] Certificate of Fact (Certificate of Incorporation)
- [ ] Assumed Name Certificate
Instructions for
Part I Form for New Permit/Registration and Amendment
Applications for a Municipal Solid Waste (MSW) Facility

Form Availability

This form, as well as other MSW documents and rules are available on the TCEQ Internet site at http://www.tceq.texas.gov/search_forms.html. The number for this form is 0650. For further instructions regarding completion of this form, send an e-mail to mswper@tceq.texas.gov or call 512-239-2335.

The original application and all copies for New Applications and Major Amendments should be submitted to:

Municipal Solid Waste Permits Section, MC 124
Waste Permits Division
Texas Commission on Environmental Quality
P. O. Box 13087
Austin, Texas 78711-3087

Application Submittal

See 30 Texas Administrative Code (30 TAC) Section (§)305.43(c) for who can submit the application.

The complete application should be typewritten or printed neatly in black ink.

For a new permit/registration and major amendment to a permit application, submit:

1. The original application plus three (3) complete copies (prepared in accordance with 30 TAC §330.57) which includes:
   a. the TCEQ Core Data Form (See Attachment as applicable);
   b. the Application Table of Contents and Title Pages for Parts I, II, III, and IV shall be signed and sealed in accordance with 30 TAC §330.57(g)(2) & (3);
   c. the Application Part I Form;
   d. the Application Part I Form Attachments; and
   e. Parts II through IV
2. If fee is paid by check, a check for payment of application fees transmitted directly to the TCEQ Financial Administration Division with a photocopy of the check included in the original application; and
3. Pre-printed mailing labels of the adjacent landowners or an electronic mailing list on a CD in Microsoft Word compatible format.

For all submittals, provide the Facility Name, Permittee/Registrant Name, MSW Authorization No., and dates in the form header. For initial submittals, leave “MSW Authorization No.” in the form header blank.

For all notice of deficiency responses (NODs), (administrative and/or technical), submit the original plus three (3) copies of the response package which includes:

1. page 1 of this form to indicate that the submittal is for “Notice of Deficiency Response”;
2. all revised pages of this form and/or attachments to Part I;
3. a new Signature Page; and
4. revised pages of Parts II through IV; and
5. marked (redline/strikeout) copy of the revised pages.
1. **Reason for Submittal**

Select **ONE** box that indicates if this form is being submitted in conjunction with an initial application or as part of an NOD response.

2. **Authorization Type**

Select **ONE** box that indicates the type of authorization sought.

3. **Application Type**

Select **ONE** box that indicates the application type for the submittal.

4. **Application Fees**

For a new permit, registration or an amendment application, the application fee is $150. Select **ONE** box that indicates the method of payment of application fee for the submittal.

Payment may be made online using TCEQ e-Pay at [https://www3.tceq.texas.gov/epay/](https://www3.tceq.texas.gov/epay/). If payment is made online, enter the e-Pay confirmation number.

If fee is paid by check, send payment directly to the following address:

Financial Administration Division, MC 214
Texas Commission on Environmental Quality
P. O. Box 13087
Austin, Texas 78711-3087

In addition, include a photocopy of the check in the original application submitted to the MSW Permits Section.

5. **Application URL**

If the application is for a Type I AE and/or Type IV AE landfill, the URL address of a publicly accessible internet web site is **not** required.

For any other application and/or facility type, provide the URL address of a publicly accessible internet web site where the application and all revisions to that application will be posted.

6. **Application Publishing**

Select **ONE** box that indicates the party responsible for publishing all public notices for this application.
7. Alternative Language Notice

For certain permit, registration and amendment applications, public notice in an alternate language is required. If an elementary school or middle school nearest to the facility offers a bilingual program, notice may be required to be published in an alternative language. The Texas Education Code, upon which the TCEQ alternative language notice requirements are based, trigger a bilingual education program to apply to an entire school district should the requisite alternative language speaking student population exist. However, there may not exist any bilingual students at a particular school within a district which is required to offer the bilingual education program. For this reason, the requirement to publish notice in an alternative language is triggered if the nearest elementary or middle school, as a part of a larger school district, is required to make a bilingual education program available to qualifying students and either the school has students enrolled at such a program onsite, or has students who attend such a program at another location in satisfaction of the school's obligation to provide such a program as a member of a triggered district.

It is the burden of the applicant to demonstrate compliance with alternative language notice requirements. To assist you in meeting these requirements, the TCEQ Office of Chief Clerk will provide a Public Notice Verification Form (TCEQ-20244-Waste). You must follow instructions provided by the Office of Chief Clerk regarding completion and submittal of the Public Notice Verification Form indicating your compliance with the requirements regarding publication in an alternative language.

If it is determined that an alternative language notice is required, the applicant is responsible for ensuring that the publication in the alternate language is complete and accurate in that language. Electronic versions of the Spanish template examples are available from the TCEQ to help the applicant complete the publication in the alternative language.


8. Public Place Location of Application

Identify a public place in the county in which the facility is located or proposed to be located, at which a copy of the application will be available for review and copying (e.g. Public Library, Courthouse, City Hall).

9. Consolidated Permit Processing

For consolidated permit process, refer to 30 TAC Chapter 33.

10. Confidential Documents

The Commission has a responsibility to provide a copy of each application to other agencies and to interested persons upon request and to safeguard confidential material from becoming public knowledge. Thus, the Commission requests that the applicant (1) be prudent in the designation of material as confidential and (2) submit such material only when it might be essential to the staff in their development of a recommendation.

The Commission suggests that the applicant NOT submit confidential information as part of the permit or registration application. However, if this cannot be avoided, the confidential information should be described in non-confidential terms throughout the application, cross-referenced, and submitted as a separate document or binder, and clearly marked "CONFIDENTIAL."
Reasons of confidentiality include the concept of trade secrecy and other related legal concepts which give a business the right to preserve confidentiality of business information to obtain or retain advantages from its right in the information. This includes authorizations under, 18 U.S.C. 1905 and special rules cited in 40 CFR Chapter I, Part 2, Subpart B.

The applicant may elect to withdraw any confidential material submitted with the application. However, the permit cannot be issued, amended, or modified if the application is incomplete.

11. Permits and/or Construction Approvals
Select ALL permits or construction approvals received or applied for under any of the programs listed in this Section.

12. General Facility Information
Provide general facility information as listed under this Section. Facility name provided in this Section should match the Regulated Entity Name (Item #23) in the TCEQ Core Data Form.

If the Regulated Entity Reference Number has not been issued for the facility, complete a TCEQ Core Data Form and submit it with this application.

13. Facility Type
Select ALL boxes that apply to the facility. For facility types, refer to 30 TAC §330.5.

14. Activities Conducted at the Facility
Select ALL boxes that apply to the facility. For definitions of “storage, processing and disposal”, refer to 30 TAC §330.3.

15. Facility Waste Management Units
Select ALL boxes that best describe the waste management units that will be authorized at the facility. If you are including other unit types, select "Other" and list them.

16. Description of Proposed Facility or Changes to Existing Facility
This section is only applicable for permit amendments. If the submittal is an amendment application, provide a brief description of the specific revisions to the permit conditions and supporting documents referenced by the permit. Also, provide an explanation of why the amendment is requested.

17. Facility Contact Information

Site Operator (Permittee/Registrant) Name
Enter Site Operator (Permittee/Registrant) information. Site Operator is defined in 30 TAC §330.3(142).
If the Site Operator (Permittee/Registrant) has filed with the Texas Secretary of State (SOS) as a Corporation, Limited Partnership or non-profit organization it will have been issued an SOS filing number which may be entered here. If the Site Operator (Permittee/Registrant) has not filed with the SOS, leave blank. Search for the SOS Filing number at: http://www.sos.state.tx.us/corp/sosda/index.shtml.

**Operator Name**

Enter Operator information. Operator is defined in 30 TAC §330.3(101).

If the Operator has filed with the SOS as a Corporation, Limited Partnership or non-profit organization it will have been issued an SOS filing number which may be entered here. If the Operator has not filed with the SOS, leave blank. Search for the SOS Filing number at: http://www.sos.state.tx.us/corp/sosda/index.shtml.

**Consultant Name**

Enter the consultant company’s name and contact information responsible for the preparation of the application on behalf of the facility.

**Agent in Service Name**

If the application is submitted by a corporation or by a person residing out of state, the applicant must register an Agent in Service or Agent of Service with the Texas SOS office and provide a complete mailing address for the agent. The agent must be a Texas resident and the address provided for them should be within the State of Texas. Provide information if this is applicable for the facility. If not, enter “Not Applicable”.

**18. Facility Supervisor’s License**

Select the Type of License that the Solid Waste Facility Supervisor, as defined in 30 TAC Chapter 30, Occupational Licenses and Registrations (Figure 30 TAC §30.213(a)), will obtain prior to commencing facility operations. Include the rest of the Evidence of Competency information as an attachment (See List of Attachments).

**19. Ownership Status of the Facility**

**Corporation**

The Customer meets all of the following:

- Is legally incorporated under the laws of any state or country
- Is recognized as a corporation by the Texas SOS
- Has proper operating authority to operate in Texas

**Sole Proprietorship**

This is a business that is owned by only one person and has not been incorporated. This business may:

- Be under the person’s name
- Have its own name ("doing business as”, or DBA)
- Have any number of employees
- Customers must register assumed names with the county
Government
City, County, State or Federal: This is either an agency of one of these levels of government or the governmental body itself (ex. Blanco County, City of Houston)

General Partnership
A general partnership is created when two or more persons associate to carry on a business for profit. A partnership generally operates in accordance with a partnership agreement, but there is no requirement that the agreement be in writing and no state-filing requirement.

Limited Partnership (LP & LLP)
This is a partnership formed by two or more persons, having one or more general partners and one or more limited partners. The limited partnership operates in accordance with a partnership agreement, written or oral, of the partners as to the affairs of the limited partnership and the conduct of its business. While the partnership agreement is not filed for public record, the limited partnership must file a certificate of limited partnership with the Texas SOS. The Texas SOS provides a form for the certificate of limited partnership which meets minimum state law requirements.

Government – Other
This is a utility district, water district, tribal government, college district, council of governments or river authority (ex. Lower Colorado River Authority).

Other
Fits none of the above descriptions.

20. Other Governmental Entities Information

Texas Department of Transportation (TxDOT) District
Enter the district name and contact information for the district in which the facility is/will be located. TxDOT’s District information can be found at http://www.txdot.gov/inside-txdot/district.html.

The Local Governmental Authority Responsible for Road Maintenance
Enter the local authority name (e.g. local TxDOT maintenance office, city or county road maintenance authority) and contact information responsible for road maintenance. As required in 30 TAC §330.145 and §330.235, on days when the facility is in operation, the Site Operator (Permittee/Registrant) or Operator shall be responsible for at least once per day cleanup of waste materials spilled along and within the right-of-way of public access roads serving the facility for a distance of two miles in either direction from any entrances used for the delivery of waste to the facility. The facility operator shall consult with the TxDOT, county, and/or local governments with maintenance authority over the roads concerning cleanup of public access roads and rights-of-way.

City Mayor Information
Enter the Mayor’s name and contact information for the city in which the facility is/will be located.
**City Health Authority**
Enter the Health Authority’s name and contact information for the city in which the facility is/will be located.

**County Judge Information**
Enter the Judge’s name and contact information for the county in which the facility is/will be located.

**County Health Authority**
Enter the Health Authority’s name and contact information for the county in which the facility is/will be located.

**State Representative Information**
Enter the District Number, State Representative’s name and District Office information for the district in which the facility is/will be located. State Representative’s information can be found at:

[http://www.house.state.tx.us/members/find-your-representative/](http://www.house.state.tx.us/members/find-your-representative/).

**State Senator Information**
Enter District Number, State Senator’s name and District Office information for the district in which the facility is/will be located. State Senator’s information can be found at:

[http://www.house.state.tx.us/members/find-your-representative/](http://www.house.state.tx.us/members/find-your-representative/).

**Council of Government (COG) Name**
Enter the COG name and COG Office information for the COG area in which the facility is/will be located. COG information can be found at:


**River Basin Authority Name**
Enter the River Basin Authority name and contact information for the river basin area in which the facility is/will be located. River Basin Authority information can be found at:


**Coastal Management Program**
The boundary is established in Texas Natural Resources Code, §33.2053(k), as defined in Title 31, Texas Administrative Code, §503.1 (relating to Coastal Management Program Boundary).

**U.S. Army Corps of Engineers**
Select the box representing the District of the U.S. Army Corps of Engineers in which the facility is located.
**Local Government Jurisdiction**

Enter the name of the city or extraterritorial jurisdiction where the facility is located. If the facility is located in an area in which the governing body of the municipality or county has prohibited the disposal or processing of municipal or industrial solid waste, provide a copy of the ordinance and add it to the Additional Attachments list with the Attachment number provided.
Instructions - ATTACHMENTS

Supplementary Technical Report

Provide information about the facility as required under 30 TAC §305.45(a)(8). The report should be signed and sealed by a PE.

Property Legal Description, Property Metes and Bounds Description, Facility Legal Description, Facility Metes and Bounds Description, On-Site Easements, and Metes and Bounds Drawings

Provide a legal description of the facility including the following information, as required by 30 TAC §330.59(d)(1).

a. The abstract number, as maintained by the Texas General Land Office, for the surveyed tract of land.
b. A legal description of the property and the county, book, and page number or other generally accepted identifying reference of the current ownership record.
c. For property that is platted, the county, book, and page number or other generally accepted identifying reference of the final plat record that includes the acreage encompassed in the application and a copy of the Final Plat Record of Property.
d. A boundary metes and bounds description of the property signed and sealed by a registered professional land surveyor.
e. A boundary metes and bounds description and drawing for the facility signed and sealed by a registered professional land surveyor.
f. A drawing showing any on-site easements at the facility.

If the facility and property boundaries are identical, one metes and bounds description and drawing is sufficient. Refer to the same attachment number for above items (d) and (e).

Land Ownership Map

Provide a map that locates the property owned by adjacent and potentially affected landowners. The maps should show all property ownership within 1/4 mile of the facility, on-site facility easement holders, and all mineral interest ownership under the facility.

Land Ownership List

Provide the adjacent and potentially affected landowners’ list, keyed to the land ownership map with each property owner's name and mailing address. The list shall include all property owners within 1/4 mile of the facility, easement holders, and all mineral interest ownership under the facility. Provide the property, easement holders’, and mineral interest owners’ names and mailing addresses derived from the real property appraisal records as listed on the date that the application is filed. Do not include elected officials and other interested parties that are not adjacent landowners on the landownership map, list and labels.
Landowners Cross-Referenced To Landowners Map

The persons identified below would be considered as affected persons.

1. MR & MRS SAMUEL L DAVIS  
   11901 STAR BLVD  
   AUSTIN, TX 78759 

2. MR & MRS EDWARD SANCHEZ 
   1405 LINE ROAD  
   WACO TX 76710 

3. TEX-LINK CORP 
   8411 NW HWY  
   HOUSTON TX 77590 

4. MR & MRS TED GOLDSBY  
   3210 LEON BLVD  
   WACO TX 76724 

5. JAXSON BREWING CO 
   4240 KNIGHTS BRIDGE  
   DALLAS TX 77640 

6. PLAINVIEW COMPANY 
   6847 CRAIGMONT LANE  
   HOUSTON TX 77590 

7. ABC CHEMICALS INC  
   1212 ZIP STREET  
   DALLAS TX 77640 

8. BIG-C BOTTLE CO 
   10024 REGIONAL BLVD  
   BOVINA TX 79402 

Mineral Interest Ownership Under The Facility*

1. BOB SANDERS  
   867 HOLLOWBEND ROAD  
   SEGUNDO TX 78155 

2. TED HENDERSON 
   459 MAGUIRE AVE  
   HARPER TX 78631 

3. CAROL SANDERS  
   5309 MAPLE LANE  
   GAUSE TX 77578 

4. ALICE HENDERSON  
   2222 LONGWAY  
   HDOOLE TX 76836 

Facility Easement Holders*

1. GULF PIPELINE  
   11200 S FANNIN  
   HOUSTON TX 77002 

2. TEXAS STAR UTILITIES  
   8100 COMMERCE ST  
   DALLAS TX 75230 

*If available in Real Property Appraisal records as listed on the date that the application is filed.

In accordance with 30 TAC §39.5(b), submit this mailing list electronically. The electronic list must contain only the name, mailing address, city, state, and zip code with no reference to the lot number or lot location.

As an alternative to an electronic list, the applicant may elect to submit pre-printed mailing labels of this mailing list with the application. If you elect to provide the pre-printed mailing labels, use a label format that has 30 labels to a page (e.g. AVERY 5160). Each letter in the name and address must be capitalized, contain no punctuation, and the appropriate two-character abbreviation must be used for the state. Each entity listed must be blocked and spaced consecutively. Provide four complete sets of labels of the landowner list. Do not include elected officials and other interested parties that are not adjacent landowners on the landownership map, list and labels.
Maps (Texas Department of Transportation (TxDOT) County Map, General Location Map and General Topographic Map)

Submit at least one general location map at a scale of one-half inch equals one mile. This map shall be all or a portion of a county map prepared by TxDOT. If TxDOT publishes more detailed maps of the proposed facility area, the more detailed maps shall also be included in Part I. Use the latest revision of all maps.

Submit a topographic map, ownership map, county highway map, or a map prepared by a registered professional engineer or a registered surveyor which shows the facility and each of its intake and discharge structures and any other structure or location regarding the regulated facility and associated activities. The maps must be of material suitable for a permanent record, and shall be no larger than 11 inches by 17 inches and shall be on a scale of not less than one inch equals one mile.

The map shall depict the approximate boundaries of the tract of land owned or to be used by the applicant and shall extend at least one mile beyond the tract boundaries sufficient to show the following:

- each well, spring, and surface water body or other water in the state within the map area;
- the general character of the areas adjacent to the facility, including public roads, towns and the nature of development of adjacent lands such as residential, commercial, agricultural, recreational, undeveloped, etc.;
- the location of any waste disposal activities conducted on the tract not included in the application; and
- the ownership of tracts of land adjacent to the facility and within a reasonable distance from the proposed point or points of discharge, deposit, injection, or other place of disposal or activity.

Verification of Legal Status (30 TAC §218.5 and §330.59(e))

Provide verification of legal status. Normally, this is a one-page certificate of incorporation (Certificate of Fact) issued by the Texas SOS (see additional Attachments List). If you choose to provide a verification of the legal status by another mechanism, provide it under this Attachment. Also, provide a list of all persons having over a 20% ownership in the proposed facility. See example table provided below:

List of All Persons Having Over 20% Ownership in the Facility:

<table>
<thead>
<tr>
<th>Name</th>
<th>Title</th>
<th>Contact Information</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
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<td></td>
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</tr>
<tr>
<td>SAMPLE</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Property Owner Affidavit

Provide a Property Owner Affidavit by using the appropriate format provided below.

Signatory Name

The name of the individual signing the affidavit. If the individual signing the affidavit is the property owner of record, enter the name on “Printed Signatory Name” line only and omit the “Signatory Capacity” and “Printed Name of Property Owner of Record” lines. Otherwise, provide all information requested below.

Signatory Capacity

Indicate under what authority the Signatory is signing on behalf of the property owner of record.

Property Owner Of Record

The person(s) who, according to public records, is/are the owner(s) of a particular property.
Evidence of Competency

At a minimum, provide the information listed below to comply with 30 TAC §330.59(f) as applicable to the facility type for which the application is submitted:

List of all Texas solid waste sites that the owner and operator have owned or operated within the last ten years.

<table>
<thead>
<tr>
<th>Site Name</th>
<th>Site Type</th>
<th>Permit/Reg. No.</th>
<th>County</th>
<th>Dates of Operation</th>
</tr>
</thead>
</table>

List of all solid waste sites in all states, territories, or countries in which the owner and operator have a direct financial interest.
Names of the principals and supervisors of the owner’s and operator’s organization, together with previous affiliations with other organizations engaged in solid waste activities.

<table>
<thead>
<tr>
<th>Name</th>
<th>Previous Affiliation</th>
<th>Other Organization</th>
</tr>
</thead>
</table>

For landfill permit applications only, evidence of competency to operate the facility shall also include landfilling and earthmoving experience if applicable, and other pertinent experience, or licenses as described in 30 TAC Chapter 30 possessed by key personnel. The number and size of each type of equipment to be dedicated to facility operation should be specified in greater detail on Part IV of the application within the site operating plan.

<table>
<thead>
<tr>
<th>Landfilling/Earthmoving Equipment Types</th>
<th>Personnel Experience or Licenses</th>
</tr>
</thead>
<tbody>
<tr>
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<td></td>
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<td></td>
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</tr>
</tbody>
</table>

For mobile liquid waste processing units, submit a list of all solid waste, liquid waste, or mobile waste units that the owner and operator have owned or operated within the past five years. Submit a list of any final enforcement orders, court judgments, consent decrees, and criminal convictions of this state and the federal government within the last five years relating to compliance with applicable legal requirements relating to the handling of solid or liquid waste under the jurisdiction of the commission or the United States Environmental Protection Agency. Applicable legal requirement means an environmental law, regulation, permit, order, consent decree, or other requirement.

<table>
<thead>
<tr>
<th>Solid waste, liquid waste, or mobile waste units owned or operated within past 5 years</th>
<th>Texas and federal final enforcement orders, court judgments, consent decrees, and criminal convictions</th>
</tr>
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</tr>
</tbody>
</table>
Additional Attachments (as applicable)

TCEQ Core Data Form(s)

If the Site Operator (Permittee/Registrant) does not have a Customer Reference Number (CN Number), complete a TCEQ Core Data Form (TCEQ-10400) and submit it with this application. List the Site Operator (Permittee/Registrant) as the customer.

If Regulated Entity Reference Number (RN Number) has not been issued for the facility, complete a TCEQ Core Data Form (TCEQ-10400) and submit it with this application. List the Facility as the Regulated Entity.

If the Operator does not have a Customer Reference Number (CN Number), complete another TCEQ Core Data Form (TCEQ-10400) for the “Operator” and submit it with this application. List the Operator as the customer.

Only under the following circumstances should a TCEQ Core Data Form be submitted:

- Your information is not yet in the Central Registry database or is incomplete
- Your information has changed from what is currently in the Central Registry database
- It is requested by the agency. You can check the status of your information in Central Registry on-line at http://www.tceq.texas.gov/goto/centralregistry/

Signatory Authority Delegation

Provide documentation that the person signing the application meets the requirements of 30 TAC §305.44, Signatories to Applications. If the authority has been delegated, provide a copy of the document issued by the governing body of the Site Operator (Permittee/Registrant) or Operator authorizing the person that signed the application to act as agent for the owner or operator.

Fee Payment Receipt

As indicated in the “Application Fees” section, include a photocopy of the check in the initial application submitted to the MSW Permits Section.

Confidential Documents

The confidential information should be described in non-confidential terms throughout the application, cross-referenced, and submitted as a separate document or binder, and clearly marked "CONFIDENTIAL." Refer to Instructions, Section “Confidential Documents” for further detail.

Waste Storage, Processing and Disposal Ordinances

If the facility is located in an area in which the governing body of the municipality or county has prohibited the disposal or processing of municipal or industrial solid waste, provide a copy of the ordinance.
Final Plat Record of Property

For the property that is platted, provide the county, book, and page number or other generally accepted identifying reference of the final plat record that includes the acreage encompassed in the application and a copy of the final plat (30 TAC §330.59(d)(1)(B)).

Certificate of Fact (Certificate of Incorporation)

The Site Operator/ (Permittee/Registrant) or Operator shall provide verification of their legal status. If you choose to provide a one-page certificate of incorporation (Certificate of Fact) issued by the secretary of state, provide it as an attachment here.

Assumed Name Certificate

If the Site Operator/ (Permittee/Registrant) or Operator is an individual and/or partnership doing business under an assumed name, it must attach to the application an assumed name certificate.
LIST OF LANDOWNERS:

1. DARREN RAY HEFLEY
   1604 ELLIS AVE
   WHEELER, TX 79096

2. MATTHEW & KATHERINE HINTON
   PO BOX 759
   PAMPA, TX 79066

3. MATTHEW & KATHERINE HINTON
   PO BOX 759
   PAMPA, TX 79066

4. BC BUCKINGHAM PROPERTIES LP
   16746 FM 2697
   WHEELER, TX 79096

NOTE: NO MINERAL INTEREST OWNERSHIP OCCURS UNDER THE FACILITY.

SCALE: 1" = 600'
FIELD NOTES for a 25.00 acre tract of land out of the southwest quarter of Section 65, Block 17, H. & G. N. Ry. Co. Survey, Wheeler County, Texas.

BEGINNING at 1/2" iron rod set with a yellow cap (hereafter referred to as an OJD cap) which bears N. 00° 34' 56" W. a distance of 1448.43 feet and N. 89° 25' 04" E. a distance of 659.15 feet from a 3/4" iron pipe found at the southwest corner of said Section 65 for the southwest corner of this tract.

THENCE N. 00° 31' 48" W. a distance of 1220.00 feet to an OJD cap set for the northwest corner of this tract.

THENCE N. 89° 28' 12" E. a distance of 691.34 feet to an OJD cap set for the northeast corner of this tract.

THENCE S. 18° 48' 35" E. a distance of 1284.84 feet to an OJD cap set for the southeast corner of this tract.

THENCE S. 89° 28' 12" W. a distance of 1094.33 feet to the place of BEGINNING and containing 25.00 acres of land.

* * * * * * * * * * * * *

STATE OF TEXAS : KNOW ALL MEN BY THESE PRESENTS,
COUNTY OF COLLINGSWORTH : that I, Richard E. Johnson,
Registered Professional Land Surveyor, do hereby certify that
I did cause to be surveyed on the ground the above described
tract of land, and to the best of my knowledge and belief, the
said description is true and correct.

IN WITNESS THEREOF, my hand and seal, this the 17th day of April,
A.D., 2019.

Richard E. Johnson
Registered Professional
Land Surveyor #4263

OJD ENGINEERING, LP * WELLINGTON, TEXAS * Firm #10090900

APPENDIX 9
CITY OF SHAMROCK MUNICIPAL LANDFILL

116 W. 2nd Street
Shamrock, Texas 79079

TYPE IAE
SOLID WASTE
MUNICIPAL SOLID WASTE FACILITY
PERMIT APPLICATION
PART II

Submitted on:
December 2019
March 2020 NOD

Submitted to:
Municipal Solid Waste Permits Section, MC 124
Waste Permits Division
Texas Commission on Environmental Quality
P.O. Box 13087
Austin, Texas 78711-3087

Submitted for:
City of Shamrock
Lynn Ramsey, Mayor

Submitted by:
Che Shadle, PE
OJD Engineering, LP

F-4393

3/23/2020
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3/23/2020
PART II PERMIT APPLICATION

a) EXISTING CONDITIONS SUMMARY

The site is located 1 ½ miles northwest of the City of Shamrock. There are no structures or inhabitable buildings located within 500 feet of the proposed site. Schools, licensed day care facilities, churches, hospitals, cemeteries, lakes, and residential, commercial, and recreational areas are not within one mile of the site. One airport is located within a five-mile radius of the site. There are no drainage, pipeline, and utility easements within or adjacent to the site as well as archaeological sites, historical sites, and sites with exceptional aesthetic qualities.

b) WASTE ACCEPTANCE PLAN

1) The type of waste to be received at the facility shall be municipal solid waste, grease, oil, sludge, Class II Industrial Waste, and Special Wastes as outlined in the Site Operating Plan. Class I Industrial Waste, RCAM, and Hazardous Wastes shall not be accepted at the facility.

A) The population that will be contributing to the facility is approximately 3,000 people. The collection rate is approximately 5.0 pounds per capita per day. As a general rule, 10,000 people with a per capita collection rate of five pounds per day dispose of 10 to 15 acre-feet of solid waste in one year. Comparing this to a population of 3,000 people, the volume disposed will be approximately 3 - 5 acre-feet per year.

B) The proposed facility is not a transfer station.

C) Due to the facility being located in a remote area with minimal population growth, the facility will likely see a minimal increase from year to year in the annual waste acceptance rate over the next 5 years. The population for Wheeler County from 2010 to 2015 grew 1.05%. Population projections and growth trend models show to have no effect on the proposed municipal solid waste landfill.

2) In accordance with §330.9, the proposed facility qualifies as a permit.

c) MAPS

General Location Maps. All maps that are provided in this application include all the requirements set forth in §330.59(c)
1) A wind rose with the prevailing wind direction has been provided on the General Location Map - Appendix 7.

2) A map has been provided as Appendix 12, Figure 1 – Well Map that provides the locations of all known water wells within 500 feet of the proposed permit boundary with the state well numbering system designator for Water Development Board “located wells”.

3) There are no structures or inhabitable buildings within 500 feet of the proposed facility.

4) There are no schools, licensed day care facilities, churches, hospitals, cemeteries, lakes, residential, commercial, and recreational areas located within one mile of the proposed site. There are two (2) ponds located within a mile of the proposed facility. A Site Development Plan has been provided as Appendix 12 to show the location of the two (2) ponds.

5) The site is accessible to the citizens of Shamrock by the use of the westbound access road of I-40 and a paved county road that leads directly to the site. These roads are all-weather roads, and should provide a safe and expedient roadway any time of year. Also, the site is approachable form the east and west via an unpaved county road. The road will be adequate for dry conditions. The locations or the roads are shown in Appendix 7.

6) The latitude for the site is 100° 16' 19.13" W and the longitude for the site is 35° 14' 53.99" N.

7) Roundup Creek is located approximately 1,450' east of the proposed site. The location of the creek is shown in Appendix 7.

8) The Shamrock Municipal Airport is located 4.6 miles east of the proposed landfill. The location of the airport is shown in General Location Map as Appendix 7.

9) The property boundary of the proposed facility is shown in the Survey in Appendix 14.

10) There are no drainage easements within one mile of the facility. There are no pipeline and utility easements located within one mile of the facility. However, there are two gas lines that are located on the property. One of the lines is a 3.5” line that runs northwest to southeast and is located in the northwest corner of the proposed site. The other line is a 4.5” line that runs north and south and is located on the west side of the proposed site. These gas lines were installed in the late 1930's, therefore, there are no easements for them.
11) The facility access control features include a fence and other security measures. These are inspected on a semi-annual basis. The facility must be secure enough to eliminate unauthorized entry. Any damages to the fencing and security will be noted, and repaired as soon as possible. The City of Shamrock commits to maintaining the fences, gates, and security locks through the life of the facility.

12) There are no archaeological sites, historical sites, or sites with exceptional aesthetic qualities adjacent to the proposed facility.

d) FACILITY LAYOUT MAPS

1) A map showing the outline of the landfill units is shown in Site Layout Plan as Appendix 15.

2) A map showing the interior facility roadways, the general locations of main interior facility roadways that will provide access to fill areas is shown in Site Layout Plan as Appendix 15.

3) A map showing the locations of gas probes has been provided as Appendix 15, Drawing 6.

4) A map showing the locations of buildings has been provided in Land Use Landowner Map as Appendix 8.

5) Graphic representations or marginal explanatory notes necessary to communicate the proposed construction sequence of the facility have been provided as seen necessary.

6) Fencing location for the facility has been shown in Site Layout Plan as Appendix 13.

7) There are no natural windbreaks, such as greenbelts, where they will improve the appearance and operation of the facility and, where appropriate, plans for screening the facility from public view;

8) The site entrance from the public access road is shown in Site Layout Plan as Appendix 13.

9) Landfill Units

A) Sectors with appropriate notations to communicate the types of wastes to be disposed of in individual sectors; the type of waste to be received at the facility shall be municipal solid waste, Class II Industrial Waste,
Part II

Class III Industrial Wastes, and Special Wastes outlined in the Site Operating Plan. Class I Industrial Waste, RCAM, and Hazardous Wastes shall not be accepted at the facility.

B) The general sequence of filling operations; the City proposed to use a trench system to dispose of waste at the facility.

C) Sequence of excavations and filling; cover material will come from the new pits that are to be constructed once the previous pit is at capacity. The final pit to be installed on the property shall have final cover applied from another on-site source.

D) The dimensions of the cells or trenches will vary in length from 791’ to 438’ and be a width of 50’;

E) The City of Shamrock will install a final cover system that adheres to the rules in §330.457

e) GENERAL TOPOGRAPHIC MAPS

A United States Geological Survey 7 1/2-minute quadrangle sheets or equivalent for the facility has been provided as Appendix 21.

f) AERIAL PHOTOGRAPH

A) An aerial photograph approximately nine inches by nine inches with a scale within a range of one-inch equals 1,667 to one-inch equals 3,334 feet and showing the area within at lease a one-mile radius of the site boundaries has been provided as Aerial Layout Appendix 22;

B) Aerial photographs have been provided as Aerial Layout Appendix 22 to show growth trends. Population projections and growth trend models show to have no effect on the proposed municipal solid waste landfill.

g) LAND-USE MAP

This a map constructed of the facility showing the boundary of the facility and any existing zoning on or surrounding the property and actual uses (e.g., agricultural, industrial, residential, etc.) both within the facility and within one mile of the facility. The owner or operator shall make every effort to show the locations of residences, commercial establishments, schools, licensed day-care facilities, churches, cemeteries, pons or lakes, and recreational areas within one mile of the facility boundary. Drainage, pipeline, and utility easements within the facility shall be shown. Access roads serving the facility shall be shown. A land-use map
has been provided as Appendix 16. A zoning map has been provided as Appendix 38. The boundary of the proposed site is shown on Drawing 6 of Appendix 15. The land is currently being used as natural pastureland.

h) IMPACT ON SURROUNDING AREA

A primary concern is that the use of any land for a municipal solid waste facility not adversely impact human health or the environment. The owner or operator shall provide information regarding the likely impacts of facility on cities, communities, groups or property owners, or individuals by analyzing the compatibility of land use, zoning in the vicinity, community growth patterns, and other factors associated with the public interest. To assist the commission in evaluating the impact of the site on the surrounding area, the owner or operator shall provide the following:

1) The site will not be subject to any zoning requirements. The proposed landfill site is situated so that it will not adversely impact human health or the environment.

2) The surrounding land uses within one mile of the proposed facility are primarily agriculture applications.

3) Population projections and growth trend models show to have no effect on the proposed municipal solid waste landfill.

4) There are nine residences are located within one mile of the site. The nearest residence is approximately 1,463’ southwest of the proposed landfill.

5) There are no wells that exist within 500 feet of the site. Well locations are shown on the well map. A map for wells is shown as Appendix 12 of this report.

i) TRANSPORTATION

1) The site is accessible to the citizens of Shamrock by the use of the westbound access road of I-40 and a paved county road that leads directly to the site. These roads are all-weather roads, and should provide a safe and expedient roadway any time of year. Also, the site is approachable from the east and west via an unpaved county road. The road will be adequate for dry conditions. The locations of the roads are shown in Appendices 7 and 23.
2) The volume of traffic on the roads leading to the proposed facility will be very minimal. Traffic, as it stands now, is comprised of the small number of farmers and ranchers that have land near the site, and the City crew working on the City's property. The traffic to the site will have no adverse effects on the surrounding area.

3) The expected volume of traffic to be generated by the facility on the access roads within one mile of the proposed facility is minimal. The existing facility that will be adjacent to the proposed facility currently has minimal traffic, therefore, an increase in traffic to access roads within one mile of the proposed facility is unexpected.

4) Improvements to the existing public roadway will be unnecessary, as the proposed facility will have a minimal impact on current roadway conditions. Coordination with the Texas Department of Transportation has been provided in Appendix 16.

5) The proposed Shamrock Municipal Solid Waste Landfill is not located within 10,000 feet of any airport runway end used by turbojet aircraft or within 5,000 feet of any airport runway end used by only piston-type aircraft. A copy of coordination with the Federal Aviation Administration has been provided in Appendix 25.

j) GENERAL GEOLOGY AND SOILS STATEMENT

1) On-site or local soil conditions that may result in significant differential settling:
The site and vicinity soils are from the Lutie Series. This series consists of deep moderately permeable soils on uplands. These soils formed in loamy, red-bed material. These areas are irregular in shape and average about 50 acres in size. These are stable soils with low shrink-swell potential. Site excavations over the years have shown these soils to be firm and stable. There are no indications on the site or in the soil record that these soils are or will be subject to significant differential settling.

On-site or local geologic or geomorphologic features:
There are no unusual geologic features on or near the site that would produce unstable conditions. The site is gently sloping terrain, so the probability of erosion due to water is slight. However, without the proper amount of vegetative cover, this soil has a high probability of erosion due to wind. Even if unchecked, this erosion would be very moderate, and would not represent a surface or foundation stability hazard. Scattered gypsum rock deposits may be found in the area, at times shallow enough to be encountered in landfill operations. These deposits are not
considered likely to create unstable foundation conditions. They should be removed and segregated from cover material if encountered during pit excavation.

On-site or local human-made features or events, both surface and subsurface:

There are no known or observed on-site or local human-made features that would create unstable conditions on the site. Prior to use as a landfill site, the tract was pastureland. No significant structures have been constructed on the site prior to or since its use as a landfill site.

2) There are no known or observed fault areas located at or near the proposed landfill expansion area. Therefore, all landfilling operations will be in compliance with operating procedures regarding fault areas. A USGS map with fault areas has been provided in Appendix 40.

3) Certification regarding this section is not required by 30 TAC 330.557, but in the interest of completeness data was collected to verify if the proposed City of Shamrock Landfill site was within an area with a 10% or greater probability that the maximum horizontal acceleration in rock, expressed as a percentage of the earth's gravitational pull, will exceed 0.10g in 250 years. The data available for this area expresses peak acceleration as a percentage of "g" with 10% probability of exceedance in 50 years. USGS was contacted to determine how this data would compare with 250-year exceedance data. They replied that the two were virtually the same, since in geologic time 50 years and 250 years are both relatively short periods. The mathematics upon which the data is based uses a standard 2500-year return period value, which assumes that the seismic environment does not change in the 50 years or 250 years. The 10%/50-year number for Shamrock is slightly over 1%g. Thus, the proposed Shamrock Landfill expansion site is not located within a seismic impact zone as defined in 30 TAC 330.557. A FEMA seismic hazard map has been provided as Appendix 41, Drawing 17.

4) Section 330.559 defines an unstable area as a location that is susceptible to natural or human-induced events or forces capable of impairing the integrity of some or all of a landfill's structural components responsible for preventing releases from the landfill. Examples of such areas are locations with poor foundation conditions, areas susceptible to mass movement, and karst terrains. The following factors were considered in our evaluation of the proposed City of Shamrock landfill site with regard to this section using information obtained from USGS and FEMA.

**k) GROUNDWATER AND SURFACE WATER**
1) Information concerning site specific ground water is shown in Appendix 18 of Parts I & II of the permit application.

2) There are no surface waters on or near the site. A site visit was conducted to locate any springs on or near the site. No springs were located during the inspection.

3) In compliance with the provisions of Clean Water Act §402, as amended, the location of the proposed Shamrock Municipal Solid Waste Landfill will comply with applicable Texas Pollutant Discharge Elimination System (TPDES)

   A) a certification statement indicating the owner/operator will obtain the appropriate TPDES permit coverage when required is provided in Appendix 18.

I) ABANDONED OIL AND WATER WELLS

1) There are no abandoned oil or water wells located on the proposed site.

2) There are no oil and gas wells production wells on the proposed site.

m) FLOODPLAINS AND WETLANDS STATEMENT

1) The proposed Shamrock Municipal Solid Waste Landfill site is bordered to the north and west by a seasonal creek channel. This Channel is an unnamed Tributary to North Fork Red River. The facility is located outside a FEMA study area. Flood Hazard Boundary Maps for unincorporated areas of Wheeler County have not been published by FEMA. The proposed new site for the municipal solid waste landfill is at the top of a hill. The 100-year flood elevation was computed at a point on Roundup Creek southeast of the site, where the county road crosses the creek. OJD Engineering performed a preliminary stormwater runoff analysis to determine an estimated elevation of the 100-year storm event. Rainfall frequency and duration data were taken from the Storm Water Management Criteria Manual-City of Amarillo, Texas. Drainage area topography and site topography was taken from a USGS 7½-minute series topographic map. The analysis was performed using the SCS Method and the Rational Method for determining rainfall runoff. The Manning formula was used to estimate the water surface elevation when stream flow equals the maximum discharge for the 100-year storm event. Channel geometry was measured at a point in Roundup Creek. To obtain
a more precise floodplain elevation for this drainage area, more detailed
topographic data would be required, and a dynamic stream profile analysis
would be necessary. These steps are considered to be more detailed than
required for the purpose of this certification. The results of the calculations
are shown in Table 1.

Table 1. 100-Year Flood Zone Calculations

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<th>Drainage Area:</th>
<th>2267 acres</th>
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<td>100-Year Storm Event:</td>
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<tr>
<td>Source:</td>
<td>Intensity duration frequency curves</td>
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<td>Storm Water Management Criteria Manual</td>
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<td>Peak Discharge:</td>
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<td>100-Year Storm Depth:</td>
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<tr>
<td>Dry Weather Channel Bottom Elevation:</td>
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<td>100-Year Flood Elevation:</td>
<td>2261.75 ft</td>
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<tr>
<td>Site Elevation:</td>
<td>2280.00 ft</td>
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</tbody>
</table>

Landfill operations do not take place within the 100-year flood zone. The
proposed City of Shamrock landfill will not restrict the flow of the 100-year flood,
reduce the temporary water storage capacity of the floodplain, or result in
washout of solid waste so as to pose a hazard to human health and the
environment.

2) A review of the National Wetlands Inventory Maps was conducted, and
concluded that it did not indicate a presence of wetlands in the area of the
proposed site. Therefore, all landfill operations will be in compliance with
all regulations regarding wetlands.

3) There are no wetlands located within the facility boundary.

Drainage Plan and Flow Data are provided in Appendix 26
n) ENDANGERED OR THREATENED SPECIES

1) The proposed facility will not have an adverse impact upon endangered or threatened species. The facility and the operation of the facility will not result in the destruction or adverse modification of the critical habitat of endangered or threatened species, or cause or contribute to the taking of any endangered or threatened species.

2) A letter was written to the Texas Parks and Wildlife Department requesting information on endangered species. The agency sent a letter confirming that no federally listed threatened or endangered species are known to occur in the action area. Additionally, a review of National Wetlands Inventory maps does not indicate the presence of wetlands. The letter from the agency is shown in Appendix 20 of this report.

o) TEXAS HISTORICAL COMMISSION REVIEW

A review letter has been submitted to the Texas Historical Commission documenting compliance with the Natural Resources Code, Chapter 191, Texas Antiquities Code. A response was received from the Texas Historical Commission on May 17, 2019 that no survey was required, project may proceed.

p) COUNCIL OF GOVERNEMENTS AND LOCAL GOVERNEMENT REVIEW

A review letter, as well as Parts I and II of the application have been submitted to the Panhandle Regional Planning Commission documenting compliance with the local solid waste plans.
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<td>Appendix 38</td>
<td>Zoning Map</td>
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Texas Commission on Environmental Quality
Transportation Data and Coordination Report Form for Municipal Solid Waste Type I Landfills

This form is for use by applicants or site operators of Municipal Solid Waste (MSW) Type I landfills to provide data and information to address the availability and adequacy of access roads to a landfill site, the volume of vehicular traffic on and generated by the facility on area roadways, and to provide coordination information as required under 30 TAC §330.61(i). Roadways that provide primary access to a landfill facility must be adequate and possess appropriate design capacity to safely accommodate the additional volumes and weights of traffic generated or expected to be generated by this landfill facility during its active life. Data provided in this form should correspond with data contained in the coordination documents submitted to the Texas Department of Transportation or other agency that has jurisdiction over affected area roads.

If you need assistance in completing this form, please contact the Municipal Solid Waste Permits Section of the Waste Permits Division at (512) 239-2335.

I. General Information

Facility Name: City of Shamrock Landfill

MSW Permit No.: 2281

Site Operator/Permittee Name and Mailing Address: Tommye Cole/City of Shamrock Landfill 116 W. 2nd Street Shamrock, TX 79079

II. Documentation of Coordination with the Texas Department of Transportation (TXDOT) for Traffic and Location Restrictions

1. A traffic study document and cover letter was submitted to TXDOT as Coordination for traffic and location restrictions for the subject facility and a copy of the documents submitted to TXDOT is attached herein: ☑ Yes ☐ No

   If you checked “No”, provide explanation: The volume of traffic on the roads leading to the proposed facility will be very minimal. Traffic, as it stands now, is comprised of the small number of farmers and ranchers that have land near the site, and the City crew working on the City’s property. The traffic to the site will have no adverse effects on the surrounding area.

2. Date of submission of the coordination documents to TXDOT: 4/18/2019

3. TXDOT’s response received? ☑ Yes ☐ No

4. If “No” is checked in response to Item I.3 above, complete Items I.4 and I.5 below only after TxDOT’s response is received.
5. Did TxDOT’s response include recommendation of improvements to any of the roadways or intersections that lead to the site? □ Yes ☒ No

6. If you checked “Yes” in Item I.5 above, proceed to Section III., TxDOT’s Recommended Roadway

7. y or Intersection Improvements (as applicable).

8. If you checked “No” in Item I.5 above, provide TxDOT’s response to the traffic and location restrictions compliance coordination for the subject site: (Enter TxDOT’s response to coordination correspondence)

### III. TxDOT Recommended Roadway or Intersection Improvements (as applicable)

Enter TxDOT’s recommendations for improvement of roadways or intersections that lead to the site:

1. N/A
2. 
3. 

### IV. Documentation of Coordination of Improvement Designs of Public Roadways (e.g., Turning Lanes, Storage Lanes, Acceleration/Deceleration Lanes, etc.) at and Near the Site Entrances with Agencies that Exercise Maintenance Responsibility

1. Complete Table 1 with information regarding documentation of coordination of improvement designs for existing and proposed roads.

*Table 1: Public Roadway Improvements Coordination*

<table>
<thead>
<tr>
<th>Existing and Proposed Roads Associated with the Site Entrance(s)</th>
<th>Agency Exercising Maintenance Responsibility</th>
<th>Date of Coordination Correspondence from the Applicant or Site Operator to the Agency Responsible</th>
<th>Date of the Coordination Response Letter from the Agency Responsible</th>
<th>Did the Agency Responsible Require Improvements to the Roadway(s) Associated with the Site Entrance(s) (check Yes or No as applicable)</th>
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<td>Wheeler County</td>
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<td>☒Yes ☐No</td>
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</tbody>
</table>
2. If you checked “Yes” in the last column of Table 1, indicating that improvements are required, address the following:

(a) Briefly describe the improvements proposed for the public roadway(s) associated with the site entrance(s):

(b) A copy of the proposed improvement design submitted to the agency exercising maintenance responsibility over the roadway is attached herein: ☐Yes ☐No. If you checked “No” please explain:

(c) A copy of the response letter from the agency exercising maintenance responsibility over the roadway(s) associated with the site entrance(s) approving the improvement design is attached herein: ☐Yes ☐No. If you checked “No” please explain:

V. Facility Location and Operation Information Used in Estimating Transportation Data

1. Facility Location Information

The site for the proposed landfill is located 1 ½ miles northwest of the City limits, on property owned by the City of Shamrock. The Vicinity Map for the proposed site is shown as Attachment 2 of Parts I & II of the MSWLF permit application.

2. Waste Acceptance Rates

(a) Initial Waste Acceptance Rate: 3 tons/day 3 – 5 acre-feet per year
(b) Estimated Maximum Waste Acceptance Rate at any Time During Facility Life:
3 – 5 acre-feet per year

3. Hours of Operation and Site Life

(a) Operating Hours: The facility may be operated any time between the hours of 7:00 am and 7:00 pm, seven days a week.

(b) Waste Acceptance Hours: 7:00 am and 7:00 pm, seven days a week

(c) Estimated Site Life: 51 years

4. Other Information Used or Assumed in Estimating Transportation Data:
VI. Facility Daily Traffic Volume Data

1. Complete Table 2 with estimated existing daily volume of traffic generated by the facility.

   Table 2: Estimated Existing Daily Volume of Traffic Generated

<table>
<thead>
<tr>
<th>Vehicle Type</th>
<th>Traffic Volume to Facility (vehicles per day, vpd)</th>
<th>Traffic Volume from Facility (vpd)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Trucks</td>
<td>5</td>
<td>5</td>
</tr>
<tr>
<td>Employee Vehicles</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>Visitors Vehicles</td>
<td>10</td>
<td>10</td>
</tr>
<tr>
<td>Other Vehicles</td>
<td>3</td>
<td>3</td>
</tr>
</tbody>
</table>

   **Summation of Daily Volume of Traffic to and from the Facility**
   
   Total Daily Volume of Traffic
   
   (a) Describe the source(s) of or method(s) used to obtain the existing daily volume of traffic generated by the facility: Previous permit and current facility activity.

   (b) Location(s) of traffic counts (if applicable): County Road 15

2. Complete Table 3 with estimated future daily volume of traffic generated by the facility.

   Table 3: Estimated Future Daily Volume of Traffic Generated

<table>
<thead>
<tr>
<th>Vehicle Type</th>
<th>Traffic Volume to Facility (vpd)</th>
<th>Traffic Volume from Facility (vpd)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Trucks</td>
<td>12</td>
<td>12</td>
</tr>
<tr>
<td>Employee Vehicles</td>
<td>5</td>
<td>5</td>
</tr>
<tr>
<td>Visitors Vehicles</td>
<td>25</td>
<td>25</td>
</tr>
<tr>
<td>Other Vehicles</td>
<td>8</td>
<td>8</td>
</tr>
</tbody>
</table>

   **Summation of Daily Volume of Traffic to and from the Facility**
   
   Total Daily Volume of Traffic
   
3. Describe the method(s) used to obtain the estimated future daily volume of traffic generated by the facility, including dates, traffic growth rates, and sources of the growth rates: Previous permit and current facility activity based on life expectancy of facility.
4. Maps showing the facility boundary and roads within 1 mile of the facility that provide access to the site are attached herein. Yes ☒ No ☐. If you checked “No” please explain:
### VII. Availability and Adequacy of Roads

1. Complete Table 4 with information regarding the primary access roadways.

**Table 4: Roadway Characteristics of the Primary Access Roadways**

| List the roads that the owner or operator will use as primary access to the site | Existing Annual Average Daily Traffic on Roadway (vpd) | Expected Annual Average Daily Traffic on Roadway (vpd) | Existing Roadway Capacity | Expected Roadway Capacity | Max Gross Weight Allowed (lbs) | Max/Min Posted Speed Limit (mph) | Min Vertical Clearance (ft) | Surface Type and No. of Lanes | Level of Service | Existing Traffic Generated by the Facility on Each Roadway | Expected Traffic Generated by the Facility on Each Roadway |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| County Road 15 | 10 | 20 | 2 | 2 | 80K | N/A | N/A | Dirt/2 | N/A | 20 | 50 |

2. Complete Table 5 with information regarding other access roadways within one mile.

**Table 5: Roadway Characteristics of Other Access Roadways within One Mile of the Facility Boundary**

| List other access roadways within 1 mile of the facility | Existing Annual Average Daily Traffic on Roadway | Expected Annual Average Daily Traffic on Roadway | Existing Roadway Capacity | Expected Roadway Capacity | Max Gross Weight Allowed (lbs) | Max/Min Posted Speed Limit (mph) | Min Vertical Clearance (ft) | Surface Type and No. of Lanes | Level of Service | Existing Traffic Generated by the Facility on Each Roadway | Expected Traffic Generated by the Facility on Each Roadway |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| County Road 15 | 10 | 20 | 2 | 2 | 80K | N/A | N/A | Dirt/2 | N/A | 20 | 50 |
| County Road Z | 10 | 20 | 2 | 2 | 80K | N/A | N/A | Dirt/2 | N/A | 20 | 50 |

3. Complete Table 6 with information regarding access roadway intersections within one mile.

**Table 6: Roadway Intersection Characteristics**

<table>
<thead>
<tr>
<th>Please list major (signalized) roadway intersections for access roads within 1 mile of facility</th>
<th>Existing Capacity</th>
<th>Existing Level of Service</th>
</tr>
</thead>
<tbody>
<tr>
<td>County Road 15 and County Road Z</td>
<td>20 vehicles/day</td>
<td>50 vehicles/day</td>
</tr>
</tbody>
</table>
Please list major (signalized) roadway intersections for access roads within 1 mile of facility

<table>
<thead>
<tr>
<th>Existing Capacity</th>
<th>Existing Level of Service</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

4. (For applicants that conducted traffic counts) Peak period traffic counts were conducted at critical intersections and roadways in the area:

☐ Yes ☒ No

If “No” is checked, please explain: The volume of traffic on the roads leading to the proposed facility will be very minimal. Traffic, as it stands now, is comprised of the small number of farmers and ranchers that have land near the site, and the City crew working on the City’s property. The traffic to the site will have no adverse effects on the surrounding area.

**VIII. Conclusions on the availability and adequacy of roads to be used for accessing the facility**

Enter conclusions regarding the availability and adequacy of roads to be used for accessing the facility using information obtained from access roadway data; data on the volume of existing and expected vehicular traffic on the access roads within one mile of the facility; and the projection of the volume of traffic expected to be generated by the facility on the access roads:

The volume of traffic on the roads leading to the proposed facility will be very minimal. Traffic, as it stands now, is comprised of the small number of farmers and ranchers that have land near the site, and the City crew working on the City’s property. The traffic to the site will have no adverse effects on the surrounding area.

**IX. Highway Beautification**

Enter facility distance from interstate or primary highways and screening information as required by 30 TAC 330.23(a).

1. Distance of Facility from Interstate or Primary Highway: 1.33 miles from I-40

2. Type of Facility Screening Provided, if applicable: N/A

**X. Analysis of the Impact of the Facility upon Airports**

Enter the Part, Appendix, Attachment, Section, and Page Number of the application where analysis of the impact of the facility upon airports is provided: Part IV, 6. Special FAA Provisions, Page 13
XI. Documentation of Coordination with the Federal Aviation Administration for Compliance with Airport Location Restrictions

1. Applicant has submitted written information to FAA describing the facility location, maximum height of waste units, type of waste accepted at the facility, and other facility-relevant data and information as required: □ Yes  □ No
   
   (a) Enter Date of Coordination Letter to FAA: April 18, 2019
   (b) Enter Date of FAA Response: June 14, 2019

2. Indicate FAA Response and Final Action:
   
   □ FAA Acknowledged No Adverse Impact.
   □ FAA Recommended Safety Improvements. (Complete Section XII if you check this item.)

3. A copy of the Documentation of Coordination with FAA for compliance with airport location restrictions is attached herein. □ Yes □ No. If you checked "No" please explain:
   
   Part II, Appendix 24

XII. FAA Recommended Changes or Improvements for Airport Safety, (as applicable)

Enter FAA’s recommended changes or improvements to the facility for airport safety or for compliance with airport location restrictions. If your organization is planning to sponsor any construction or alterations that may affect navigable airspace, you must file FAA Form 7460-1 electronically via https://oeaaa.faa.gov/oeaaa/external/portal.jsp

The site must be properly supervised to assure that bird populations are not increasing and that appropriate control procedures are being followed.

Any increases in bird activity that might be hazardous to safe aircraft operations will result in prompt mitigation actions and/or closure of the site.

XIII. Attachments

- Maps showing the facility boundary and roads within 1 mile of the facility.
- Documentation of coordination of all designs of proposed public roadway improvements associated with site entrances with the agency exercising maintenance responsibility of the public roadway involved; and the response letter received from the agency, as applicable.
Transportation Data and Coordination Report Form for MSW Type I Landfills

Facility Name: _City of Shamrock Landfill_  
Permit No: _2281_  
Date: _1/17/2019_

- Documentation of coordination with the Texas Department of Transportation (TxDOT) for traffic and location restrictions, including any traffic study report; and the response letter received from TxDOT.

- Documentation of coordination with the Federal Aviation Administration for compliance with airport location restrictions; and the response letter received from FAA.

- Other documents attached:
WELL DATA REPORT

Site Location

The proposed Shamrock, Texas Municipal Solid Waste Landfill (MSWLF) will be located north west of Shamrock approximately 1.5 miles. The land surrounding the site is primarily pasture land, except for a 13-acre area 628 feet northeast, which is occupied by the City's wastewater treatment facility. The North Fork of the Red River is approximately one mile north of the proposed site.

Wells and Springs in the Site Vicinity

A site visit was made to locate existing wells and springs within a one-mile radius of the proposed site. Two wells were found to exist within the one-mile radius. A map showing the location of each well is attached to this report as Figure 1. The inventoried wells were developed in a minor aquifer known as the Blaine Aquifer. Attached to this report is a map obtained from the Texas Water Development Board labeled *Minor Aquifers of Texas*. This map is shown as Figure 2. The Blaine Aquifer consists of gypsum interbedded with anhydrite, shale, and dolomite. Porosity is primarily the result of solution cavities developed in gypsum beds. Total thickness ranges up to about 250 feet. Water in the aquifer is of relatively poor quality, generally ranging from 2,000 to more than 5,000 mg/L TDS (Texas Water Development Board, Report 376, Water Quality in the Blaine Aquifer of Texas, May 2011). There are no known springs to exist in the vicinity of the proposed site.

The wells are numbered 1 and 2 on the map. A limited amount of information exists for the wells. Water well logs for wells 1 and 2 are attached to this report; however, these wells are not available for testing. Well 1 is a windmill well, and well 2 is a private well. Well 1 and 2 are owned by individuals and are unavailable for testing. Data from Texas Water Development Board for wells 1 and 2 are shown in Table 1.
Table 1. Well Depth Information

<table>
<thead>
<tr>
<th></th>
<th>Well No. 1</th>
<th>Well No. 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Depth (ft)</td>
<td>63'</td>
<td>103'</td>
</tr>
<tr>
<td>Static level (ft)</td>
<td>50.2'</td>
<td>51.9'</td>
</tr>
<tr>
<td>Ground surface elev.</td>
<td>2275</td>
<td>2325</td>
</tr>
<tr>
<td>Water surface elev.</td>
<td>2224.8</td>
<td>2273.1</td>
</tr>
<tr>
<td>Well bottom elev.</td>
<td>2212</td>
<td>2222</td>
</tr>
</tbody>
</table>

Water Gradient

The ground-water gradient, as determined by comparing the static water level elevations, flows from the south to the north toward the North Fork of the Red River. This is illustrated in the map. Well 1 is a windmill well and the only well likely to be down gradient of the proposed landfill, and the other well is up gradient. Considering this, well appears to be in the ideal location for testing ground-water downstream of the proposed landfill.

Well Sampling Data

Water samples are unavailable for wells 1 and 2, as they’re both private wells.
FIGURE 1 – WELL MAP
CITY OF SHAMROCK LANDFILL

Date Submitted: April 15, 2019
Date Revised: March 11, 2020
Drawn By: CCG
Scale: 1" = 2000'
Drawing No:

BASE MAP SOURCE:
2. USGS Quad Wheeler SE, Tex 1962
Minor Aquifers of Texas

- Aquifer chronology by geologic age.
- Solid colors indicate OUTCROP areas (portion of a water-bearing rock unit exposed at the land surface).
- Hatch colored lines indicate SUBCROP areas (portion of a water-bearing rock unit existing below other rock units).
- The Edwards-Trinity (High Plains) Aquifer and the Rita Blanca Aquifer are both entirely subsurface.
## State Well Number 05-46-901

### County
Wheeler

### River Basin
Red

### Groundwater Management Area
1

### Regional Water Planning Area
A - Panhandle

### Groundwater Conservation District
Panhandle GCD

### Latitude (decimal degrees)
35.255556

### Latitude (degrees minutes seconds)
35° 15' 20" N

### Longitude (decimal degrees)
-100.271667

### Longitude (degrees minutes seconds)
100° 16' 18" W

### Coordinate Source
 +/- 1 Second

### Aquifer Code
313DCKB - Dog Creek Shale and Blaine Gypsum

### Aquifer Pick Method
Blaine/Other

### Land Surface Elevation (feet above sea level)
2275

### Land Surface Elevation Method
Interpolated From Topo Map

### Well Depth (feet below land surface)
63

### Well Depth Source
Unknown

### Drilling Start Date

### Drilling End Date

### Drilling Method
Borehole Completion

### Remarks

### Casing

<table>
<thead>
<tr>
<th>Diameter (in.)</th>
<th>Casing Type</th>
<th>Casing Material</th>
<th>Schedule</th>
<th>Gauge</th>
<th>Top Depth (ft.)</th>
<th>Bottom Depth (ft.)</th>
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</tr>
</tbody>
</table>

### Well Tests - No Data

### Lithology - No Data

### Annular Seal Range - No Data

### Borehole - No Data

### Plugged Back - No Data

### Filter Pack - No Data

### Packers - No Data
<table>
<thead>
<tr>
<th>Status Code</th>
<th>Date</th>
<th>Time</th>
<th>Water Level (ft. below land surface)</th>
<th>Change value in ( ) indicates rise in level</th>
<th>Water Elevation (ft. above sea level)</th>
<th>Meas #</th>
<th>Measuring Agency</th>
<th>Method</th>
<th>Remark ID</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>P</td>
<td>5/23/1967</td>
<td>50.2</td>
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<td></td>
<td>2224.8</td>
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**Code Descriptions**

<table>
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<tr>
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<th>Status Description</th>
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<tbody>
<tr>
<td>P</td>
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</tbody>
</table>
### Water Quality Analysis

**Sample Date:** 8/8/1967  
**Sample Time:** 0000  
**Sample Number:** 1  
**Collection Entity:** U.S. Geological Survey

**Sampled Aquifer:** Dog Creek Shale and Blaine Gypsum  
**Analyzed Lab:** U.S. Geological Survey Lab  
**Reliability:** Collected from pumped well, but not filtered or preserved

**Collection Remarks:** No Data

<table>
<thead>
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<th>Parameter Code</th>
<th>Parameter Description</th>
<th>Flag</th>
<th>Value*</th>
<th>Units</th>
<th>Plus/Minus</th>
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</thead>
<tbody>
<tr>
<td>00415</td>
<td>ALKALINITY, PHENOLPHTHALEIN (MG/L)</td>
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<td>CHLORIDE, TOTAL (MG/L AS CL)</td>
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<td>SODIUM ADSORPTION RATIO, CALCULATED (SAR)</td>
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<td>00932</td>
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<td>TOTAL DISSOLVED SOLIDS, SUM OF CONSTITUENTS (MG/L)</td>
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* Value may not display all significant digits for parameter in results, check Scanned Documents for laboratory paperwork..
<table>
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<th>GWDB Reports and Downloads</th>
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<tr>
<td><strong>County</strong></td>
<td>Wheeler</td>
<td></td>
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<tr>
<td><strong>River Basin</strong></td>
<td>Red</td>
<td></td>
</tr>
<tr>
<td><strong>Groundwater Management Area</strong></td>
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<td></td>
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<tr>
<td><strong>Regional Water Planning Area</strong></td>
<td>A - Panhandle</td>
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<td><strong>Groundwater Conservation District</strong></td>
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<tr>
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<td>313DCKB - Dog Creek Shale and Blaine Gypsum</td>
<td></td>
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<tr>
<td><strong>Aquifer</strong></td>
<td>Blaine/Other</td>
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<tr>
<td><strong>Aquifer Pick Method</strong></td>
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<tr>
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<td><strong>Well Depth (feet below land surface)</strong></td>
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<td><strong>Well Depth Source</strong></td>
<td>Driller's Log</td>
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<tr>
<td><strong>Drilling Start Date</strong></td>
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<tr>
<td><strong>Drilling Method</strong></td>
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<td></td>
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<tr>
<td><strong>Borehole Completion</strong></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Remarks

**Casing**

<table>
<thead>
<tr>
<th>Diameter (in.)</th>
<th>Casing Type</th>
<th>Casing Material</th>
<th>Schedule</th>
<th>Gauge</th>
<th>Top Depth (ft.)</th>
<th>Bottom Depth (ft.)</th>
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</thead>
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</table>

**Well Tests - No Data**

**Lithology - No Data**

**Annular Seal Range - No Data**

**Borehole - No Data**

**Plugged Back - No Data**

**Filter Pack - No Data**

**Packers - No Data**

---

Friday, May 24, 2019

State Well Number 05-54-307

Page 1 of 4
## Water Level Measurements

**Measurement Year (with decimal months)**

<table>
<thead>
<tr>
<th>Status Code</th>
<th>Date</th>
<th>Time</th>
<th>Water Level (ft. below land surface)</th>
<th>Change value in ( ) indicates rise in level</th>
<th>Water Elevation (ft. above sea level)</th>
<th>Meas #</th>
<th>Measuring Agency</th>
<th>Method</th>
<th>Remark ID</th>
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<td>Questionable</td>
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<td>Well pumped recently</td>
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<td></td>
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<table>
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<th>Status Code</th>
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<th>Time</th>
<th>Water Level (ft. below land surface)</th>
<th>Change value in () indicates rise in level</th>
<th>Water Elevation (ft. above sea level)</th>
<th>Meas #</th>
<th>Measuring Agency</th>
<th>Method</th>
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</table>
Water Quality Analysis - No Data Available
Figure 1 - Well Map
City of Shamrock Landfill

Date Submitted: April 15, 2019
Date Revised: March 11, 2020
Drawn By: CCG
Scale: 1" = 2000'
Drawing No:
25.00 Acres

Bearing based on U.S. State Plane of 1983
"Texas North Zone" - #4201
Distances are Grid Distances

STATE OF TEXAS:

KNOW ALL MEN BY THESE PRESENTS,
that I, Richard E. Johnson, Registered
Professional Land Surveyor, do hereby
certify that I did cause to be surveyed
on the ground the tract of land shown on this plat, and to the best
of my knowledge and belief, the said description is true and correct.

IN WITNESS WHEREOF, my hand and seal, this the 17th day of April,
A.D., 2019.

Richard E. Johnson
Registered Professional
Land Surveyor #4263

A Plat of 25.00 acres out of the southwest quarter of Section 65,
FIELD NOTES for a 25.00 acre tract of land out of the southwest quarter of Section 65, Block 17, H. & G. N. Ry. Co. Survey, Wheeler County, Texas.

BEGINNING at 1/2" iron rod set with a yellow cap (hereafter referred to as an OJD cap) which bears N. 00° 34' 56" W. a distance of 1448.43 feet and N. 89° 25' 04" E. a distance of 659.15 feet from a 3/4" iron pipe found at the southwest corner of said Section 65 for the southwest corner of this tract.

THENCE N. 00° 31' 48" W. a distance of 1220.00 feet to an OJD cap set for the northwest corner of this tract.

THENCE N. 89° 28' 12" E. a distance of 691.34 feet to an OJD cap set for the northeast corner of this tract.

THENCE S. 18° 48' 35" E. a distance of 1284.84 feet to an OJD cap set for the southeast corner of this tract.

THENCE S. 89° 28' 12" W. a distance of 1094.33 feet to the place of BEGINNING and containing 25.00 acres of land.

* * * * * * * * * * * * * * *

STATE OF TEXAS : KNOW ALL MEN BY THESE PRESENTS,
COUNTY OF COLLINGSWORTH : that I, Richard E. Johnson,

I did cause to be surveyed on the ground the above described tract of land, and to the best of my knowledge and belief, the said description is true and correct.

IN WITNESS THEREOF, my hand and seal, this the 17th day of April, A.D., 2019.

Richard E. Johnson
Registered Professional Land Surveyor #4263

OJD ENGINEERING, LP * WELLINGTON, TEXAS * Firm #10090900
April 18, 2019

Martin R. Smith, P.E.
District Engineer
Texas Department of Transportation
7599 US 287
Childress, TX  79201

Re:   City of Shamrock
       Municipal Solid Waste Landfill
       Wheeler County, Texas

Dear Mr. Smith:

The City of Shamrock is in the process of obtaining a permit to operate and
municipal solid waste landfill. We are requesting that you look over draft Part I
and the location map that are attached to this letter, and inform us if this landfill
would cause any problems due to traffic or any other matter associated with
TxDOT.

Please call me if you have any questions.

Sincerely,

Clint Green

Attachments
<table>
<thead>
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<th>Title</th>
<th>Page</th>
</tr>
</thead>
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<td>Facility Description</td>
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<tr>
<td>1.2</td>
<td>Regulations</td>
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<td>DRAWING</td>
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<td>2.1</td>
<td>General</td>
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<td>2.3</td>
<td>100-Year Floodplain</td>
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</tr>
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<td>3.</td>
<td>DRAINAGE AND RUNOFF CONTROL ANALYSIS</td>
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<td>3.1</td>
<td>Hydrologic Method and Calculations</td>
<td>39</td>
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<td>3.1.1</td>
<td>100-Year Flood Plain Elevation</td>
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<td>Flow Rate Calculations for Temporary Berms</td>
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<td>On-Site Flow Rate Calculations</td>
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<td>Rainfall Intensity</td>
<td>41</td>
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<td>3.3</td>
<td>Hydrologic Calculations for Collection Facilities</td>
<td>41</td>
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<td>3.4</td>
<td>Natural Drainage</td>
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</tr>
<tr>
<td>3.5</td>
<td>Erosion and Sedimentation Control</td>
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1. INTRODUCTION

1.1 Facility Description
The proposed site is located approximately one- and one-half miles northwest of the City of Shamrock. It is situated on 25.00 acres of land in Wheeler County, Texas.

The City will use a trench fill system to dispose of waste. Each trench will be 791 to 455 feet long, 50 feet wide, and 20 feet deep. The facility will be used to dispose of municipal solid waste, limbs, construction demolition, and white goods.

The site is located at the top of a hill. External flow will not enter the site. The only flow across the site will be sheet flow generated within the permitted boundary. Flow across the site is such that drainage channels, culverts, holding ponds, and storm sewers are not necessary. Contaminated water will not enter or leave the permitted boundary; therefore, eliminating the need for any special surface water protection facilities. Groundwater will be protected through the use of the clay cover installed over the pit. The City of Shamrock will operate the landfill as a Type 1-AE facility, thus eliminating the need for a leachate collection system. Any leachate generated will be minimal, and considering the fact that the bottom of the trenches on this site will be a clay material, most of it will remain in the pit.

1.2 Regulations
The Groundwater and Surface Water Protection Plan and Drainage Plan is generated to ensure that the groundwater and surface water is protected in and around the landfill. This plan is designed pursuant §330.03 of the TCEQ rules and regulations.

2. DRAWING

2.1 General
A drawing is attached to this report and is labeled Drainage Plan. This drawing demonstrates the drainage areas relative to the permitted boundary. The offsite drainage area that contributes to the entire watershed, where the 100-Year flood zone was calculated, is not shown because it does not enter the permitted boundary.
2.2 Berms
Temporary Berms will be constructed around each open pit to keep onsite runoff from entering the active face of the facility. A cross-section of the berm is shown on the attached drawing. A more detailed drawing of berm locations and cross-sections is shown in Appendix 14 Drawing 6.

2.3 100-Year Floodplain
The 100-Year floodplain is not shown on the map because it is not located within the permitted boundary. Attached to this plan are the calculations for the 100-Year floodplain. All operations are located outside of the 100-Year floodplain.

3. DRAINAGE AND RUNOFF CONTROL ANALYSIS

3.1 Hydrologic Method and Calculations

3.1.1 100-Year Flood Plain Elevation
The proposed Shamrock Municipal Solid Waste Landfill site is bordered to the north and west by a seasonal creek channel. This Channel is an unnamed Tributary to North Fork Red River. The facility is located outside a FEMA study area. Flood Hazard Boundary Maps for unincorporated areas of Wheeler County have not been published by FEMA. The proposed new site for the municipal solid waste landfill is at the top of a hill. The 100-year flood elevation was computed at a point on a tributary to the North Fork Red River, where the watershed, including the landfill site, enters the creek. See Appendix 31 of Parts I&II (USGS Topographic Map) for the location of the watershed and the watershed outfall. OJD Engineering performed a preliminary storm water runoff analysis to determine an estimated elevation of the 100-year storm event. Rainfall frequency and duration data were taken from the U.S. Department of Commerce Rainfall Frequency Atlas of the United States, Technical Paper No. 40. The analysis was performed using Rational Method for determining rainfall runoff. The Manning formula was used to estimate the water surface elevation when stream flow equals the maximum discharge for the 100-year storm event. Channel geometry was measured at a point in the Creek. To obtain a more precise floodplain elevation for this drainage area, more detailed topographic data would be required, and a dynamic stream profile analysis would be necessary. These steps are considered to be more detailed than required for the purpose of this certification considering the landfill site is located on top of a hill. The results of the calculations are shown in Table 1.
Table 1. 100-Year Flood Zone Calculation Results

<table>
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<th>Value</th>
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<tr>
<td>Drainage Area:</td>
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<td>100-Year Storm Event:</td>
<td>3.61 inches/hour</td>
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<tr>
<td>Source:</td>
<td>U.S. Department of Commerce Weather Bureau Rainfall frequency Atlas</td>
</tr>
<tr>
<td>Peak Discharge:</td>
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<tr>
<td>100-Year Storm Depth:</td>
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<tr>
<td>Dry Weather Channel Bottom Elevation:</td>
<td>2266.41 ft</td>
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<td>100-Year Flood Elevation:</td>
<td>2268.16 ft</td>
</tr>
<tr>
<td>Site Elevation:</td>
<td>2286.41 ft</td>
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</table>

Attached to this plan are the calculations used to generate the results listed above (100-Year Flood Zone Data and Calculations).

3.1.2 Flow Rate Calculations for Temporary Berms
Flow rate calculations were performed to verify that the two feet temporary berms would be sufficient to keep water from entering the active pit. The rational method was used to calculate the flow rate for the given drainage area. The drainage area used is the largest area that contributes to the flow affecting the berms. The worst-case scenario used for the design was for pit No. 15 (See Appendix 11, Drawing 4, Site Development Plan). This particular pit was selected because more runoff will affect it than any other pit. The calculations showed that the two feet berms were capable of handling the flow associated with the 100-Year storm. See calculations attached to this plan labeled Flow Rate Calculations for Temporary Berms.

3.1.3 On-Site Flow Rate Calculations
Flows exiting the site are shown on the attached drawing titled Drainage Plan. Four separate areas within the permitted boundary contribute to flows exiting the site. The calculations were performed using the Rational Method. The results of the calculations for each area are attached to this plan, and are labeled Flow Rate Calculations for Area I-IV.
3.2 Rainfall Intensity
The rainfall intensity used for the design of the facility was generated for a 100-Year storm event. The regulations call for a design using a 25-Year storm event; however, given the fact that there is no offsite run-on, and the permitted boundary is relatively small, a 100-Year storm event was used in the design to obtain a more decisive flow to check against the berm heights surrounding the active pit. The source for the rainfall frequency and intensity data comes from the U.S. Department of Commerce Weather Bureau, NOAA Atlas 14, Volume 11, Version 2.

3.3 Hydrologic Calculations for Collection Facilities
There are no collection, drainage, or detention facilities required for the landfill site.

3.4 Natural Drainage
The natural drainage of the site within the permitted boundary will not be significantly altered as a result of the landfill development. The final contours will match the existing contours when the landfill is filled to capacity. The berms that surround the active pits will fall along with the natural topography, thus allowing flow to proceed around the pit without greatly affecting the natural drainage.

3.5 Erosion and Sedimentation Control
Erosion will be controlled on site by maintaining the vegetation on all unused portions of the landfill, and installing a vegetative cover on the filled areas once they are closed. Sedimentation will be controlled in same manner used to control erosion. By having the vegetative covering in place at all times, sedimentation will be limited to the areas directly adjacent to the active pit. This sedimentation will be removed as the pit is filled and covered.
April 18, 2019

Julie Wicker
Texas Parks and Wildlife Department
Wildlife Division
Wildlife Habitat Assessment Program
4200 Smith School Road
Austin, TX 78744-3291

Re: City of Shamrock
    Municipal Solid Waste Landfill
    Wheeler County, Texas

Dear Ms. Wicker:

The City of Shamrock is requesting information on sensitive species and natural communities within or near the proposed landfill in Wheeler County. A site map is attached to this letter.

Please call me if you have any questions.

Sincerely,

Clint Green

Attachments
PROPOSED LANDFILL

100-Year Flood Elevation: 2261.75'

Drawing 8
NOTE: NO MINERAL INTEREST OWNERSHIP OCCURS UNDER THE FACILITY.
NOTE: NO MINERAL INTEREST OWNERSHIP OCCURS UNDER THE FACILITY.
April 18, 2019

Terry Biggio
FAA
Southwest Region
10101 Hillwood Parkway
Fort Worth, TX  76177-1524

Re:   City of Shamrock
      Municipal Solid Waste Landfill
      Wheeler County, Texas

Dear Mr. Biggio:

The City of Shamrock is in the process of obtaining a permit to operate and municipal solid waste landfill. We are requesting that you look over draft Part I and the location map that are attached to this letter, and inform us if this landfill would conflict with anything of interest to the FAA.

Please call me if you have any questions.

Sincerely,

Clint Green

Attachments
JUN 14 2019

Clint Green
OJD Engineering, Inc.
2420 Lakeview Drive
Amarillo, TX 79109

Dear Mr. Green:

This is in response to your April 18, 2019, correspondence concerning the proposed municipal solid waste landfill in Shamrock, Texas. You requested information regarding conflicts with anything of interest to the Federal Aviation Administration (FAA).

As set forth in Title 14 of the Code of Federal Regulations Part 77, Objects that Affect the Navigable Airspace, the prime concern of the Federal Aviation Administration is the effect of certain proposed construction on the safe and efficient use of the navigable airspace.

To accomplish this mission, aeronautical studies are conducted based on information provided by sponsors on FAA Form 7460-1, Notice of Proposed Construction or Alteration. If your organization is planning to sponsor any construction or alterations that may affect navigable airspace, you must file FAA Form 7460-1 electronically via https://oeaaa.faa.gov/oeaaa/external/portal.jsp.

For additional information and assistance, please feel free to contact the Obstruction Evaluation Group at 10101 Hillwood Parkway, Fort Worth, Texas 76177 or (817) 222-5934.

Sincerely,

[Signature]

Terry L. Biggio
Regional Administrator,
Southwest Region

CC: Obstruction Evaluation Group, AJV-15
NOTE: NO MINERAL INTEREST OWNERSHIP OCCURS UNDER THE FACILITY.
Flow Calculations

Post Drainage Calculations

Rational Method

Drainage Area No. 1

\[ Q = C_f C I A \]

Time of Concentration Calculations

\[ t_c = 0.828 (NL/S^{0.5})^{0.467} \]

<table>
<thead>
<tr>
<th>( S = 0.04 ) ft/ft</th>
<th>( L = 483 ) ft</th>
<th>( N = 0.40 ) Average Grass</th>
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<td>( t_c = 20.81 ) min</td>
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Frequency Factors for the Rational Formula

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<tr>
<th>Recurrence Interval (Years)</th>
<th>Adjustment Factor, ( C_f )</th>
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<tr>
<td>25 yr</td>
<td>1.10</td>
</tr>
<tr>
<td>100 yr</td>
<td>1.25</td>
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</table>

Runoff Coefficient \( C = 0.2 \)

Wheeler County Intensity based on Calculated Time of Concentration

| \( I_{25yr} = 2.62 \) in/hr |
| \( I_{100yr} = 7.54 \) in/hr |

Drainage Area

| \( A = 2.29 \) acres |

Flowrate: Rational Method

\[ Q = C_f C I A \]

| \( Q_{25yr} = 1.32 \) cfs |
| \( Q_{100yr} = 4.32 \) cfs |
**Drainage Area No. 2**

\[ Q = C_f C_{IA} \]

**Time of Concentration Calculations**

**Time of Concentration: Overflow**

\[ t_i = 0.828 \left( \frac{NL}{S^{0.5}} \right)^{0.467} \]

- \( S = 0.04 \text{ ft/ft} \)
- \( L = 1000 \text{ ft} \)
- \( N = 0.40 \text{ Average Grass} \)
- \( t_i = 28.32 \text{ min} \)

**Time of Concentration: Channelized Flow**

\[ t_c = \frac{L}{60V} \]

- \( L = 698 \text{ ft} \)
- \( V = 1.36 \text{ Average Grass} \)
- \( t_c = 8.55 \text{ min} \)

**Total Time of Concentration**

\[ t_c = 36.87 \text{ min} \]

**Frequency Factors for the Rational Formula**

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<th>Recurrence Interval (Years)</th>
<th>Adjustment Factor, ( C_f )</th>
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</thead>
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<td>25 yr</td>
<td>1.10</td>
</tr>
<tr>
<td>100 yr</td>
<td>1.25</td>
</tr>
</tbody>
</table>

**Runoff Coefficient \( C = 0.2 \)**

**Wheeler County Intensity based on Calculated Time of Concentration**

- \( I_{25\text{yr}} = 1.83 \text{ in/hr} \)
- \( I_{100\text{yr}} = 5.38 \text{ in/hr} \)

**Drainage Area**

- \( A = 23.38 \text{ acres} \)

**Flowrate: Rational Method**

\[ Q = C_f C_{IA} \]

- \( Q_{25\text{yr}} = 9.41 \text{ cfs} \)
- \( Q_{100\text{yr}} = 31.45 \text{ cfs} \)
Drainage Area No. 3

Q = C_f C_J A

Time of Concentration Calculations

Time of Concentration: Overflow

\[ t_i = 0.828 \left( \frac{NL}{S} \right)^{0.5} \left( \frac{L}{S} \right)^{0.467} \]

- \( S = 0.02 \) ft/ft
- \( L = 541 \) ft
- \( N = 0.40 \) Average Grass
- \( t_i = 25.73 \) min

Time of Concentration: Channelized Flow

\[ t_c = \frac{L}{60V} \]

- \( L = 587 \) ft
- \( V = 0.93 \) Average Grass
- \( t_{ch} = 10.52 \) min

Total Time of Concentration

\[ t_c = 36.25 \text{ min} \]

Frequency Factors for the Rational Formula

Recurrence Interval (Years)  Adjustment Factor, \( C_f \)
25 yr  1.10
100 yr  1.25

Runoff Coefficient \( C = 0.2 \)

Wheeler County Intensity based on Calculated Time of Concentration

- \( I_{25yr} = 1.85 \) in/hr
- \( I_{100yr} = 5.44 \) in/hr

Drainage Area

\( A = 16.10 \) acres

Flowrate: Rational Method

\[ Q = C_f C_J A \]

- \( Q_{25yr} = 6.55 \) cfs
- \( Q_{100yr} = 21.90 \) cfs
Flow Rate Calculations for Temporary Berms

Assumptions
Worst Case: proposed pit with largest runoff area
Pit Selected: Hatched Pit (See Drainage Plan)
Runoff all drains toward the pit at 45° angles to its length
Pit Length = 715 feet, Half of the pit will have the largest runoff = 358 feet
Runoff at the berm approximates a channel 358 feet wide

Drainage Area No. 2 $Q_{100yr} = 31.45 \text{ cfs}$

Calculated Depth at the edge of the pit berm

$$Q = \left(\frac{1.49}{n}\right)A^{2/3}R^{2/3}S^{1/2}$$

- $n = \text{roughness coefficient} = 0.025$
- $D = \text{runoff water depth at berm} = \text{D feet}$
- $W = \text{runoff channel width} = 358 \text{ feet}$
- $A = \text{runoff channel cross-section area} = 358 \times D \text{ square feet}$
- $R = \text{runoff channel hydraulic radius} = A/P$
- $P = \text{wetted perimeter = channel width for wide channels} = 358 \text{ feet}$
- $R = 358 \times D/358 = D \text{ feet}$

$$D = \frac{Q}{\left(\frac{1.49}{n}\right)A^{2/3}S^{1/2}}$$

$D = 0.05 \text{ feet}$
ITEM 5

Permit Application Review for Type V Medical Waste Treatment Facility, Diversified Waste Management, Inc.
a. PLAN CONFORMANCE/PERMIT REVIEW

All MSW facilities proposed for siting in the Panhandle must conform to the regional solid waste management plan. This is a condition of the TCEQ's MSW facility permitting requirements and other applicable state statutes (§363.066, Texas Health and Safety Code and §330.566 Subchapter O).

As such, one of the primary functions of the Regional Solid Waste Advisory Committee (RSWMAC) is to review permit and registration applications being filed from this region to assess their conformance to the Panhandle Regional Solid Waste Management Plan. The findings of the RSWMAC are then presented to the Texas Commission on Environmental Quality (TCEQ). The RSWMAC’s comments or recommendations will be considered by the Commission when it decides whether or not to grant the permit or registration request.

In the Panhandle region, the following procedures will be followed by the RSWMAC when asked to review a permit or registration application for regional plan conformance.

**Timing of a Review Request:** Applicants may only request a conformance review of their registration or permit application after Part 1 and Part 2 of the filing forms have been fully completed. These documents will be submitted to the PRPC as part of the review process.

**Additional Required Filing Information:** In addition to submitting Part 1 and Part 2 of the permit application, applicants will also be required to submit a completed Panhandle Regional Solid Waste Plan Conformance Checklist (shown as Exhibit A to this planning document). Subchapter E of the TCEQ’s permitting procedures (§ 330.51 (10)) states that it is the responsibility of the applicant to demonstrate conformance with the regional solid waste plan. This then is the purpose of the regional plan checklist. The applicant will complete the form to the best of his or her ability to indicate how the proposed facility will help in promoting the goals and objectives of the regional plan. The chief administrative officer of the applicant organization must sign the form to attest to the accuracy and truthfulness of the information presented.

**Requesting a Registration or Application Review:** When requesting a review, applicants will submit the following documents to the PRPC:

1. Two (2) full copies of Part 1 and Part 2 of the application form;
2. One (1) originally signed copy of the Panhandle Regional Solid Waste Plan Conformance Checklist; and
3. One (1) copy of any other information which the applicant may view as helping to facilitate the RSWMAC review process.

This information must be submitted under a cover letter which lists the following information.

1. The chief contact person for the application;
2. The contact information for that individual;
3. The name of the engineer representing the applicant;
4. The contact information for the applicant’s engineer; and
5. The contact information for the TCEQ staff person to whom all review-related correspondence should be sent.
The submission documents and cover letter must be addressed and delivered to the PRPC’s Regional Solid Waste Management Coordinator at the following address:

**Mailed Requests:**
PRPC  
Attn: SW Program Coordinator  
P.O. Box 9257  
Amarillo, TX 79105

**Hand-Delivered Request:**
PRPC  
Attn: SW Program Coordinator  
415 West Eighth Avenue  
Amarillo, TX 79101

No RSWMAC review requests will be considered until all the required information has been submitted in its completed form.

Once it has been determined all information has been properly filed, the PRPC Regional Solid Waste Coordinator, will confirm its receipt in writing to the applicant and schedule a meeting of the RSWMAC to review the application at the earliest possible date. Applicants will be notified in writing of the application review date and are strongly encouraged to attend that RSWMAC meeting to present their application to the committee.

**RSWMAC’s Conformance Review Considerations:** The RSWMAC will consider the following factors when determining how a proposed facility will or will not conform to the regional solid waste plan.

1. The information provided on the applicant’s Panhandle Regional Solid Waste Plan Conformance Checklist; and

2. The general compatibility of the proposed facility to existing surrounding land use.

The second of these two factors is not intended to supercede or take the place of the land use compatibility determination that will ultimately be made by the TCEQ. The TCEQ requires that the RSWMAC make some judgment, outside that which will be made by the Commissioners, as to the appropriateness of the proposed facility in relation to the existing surrounding land use.

The types of information that will be considered with regard to general land use compatibility will include but may not be limited to:

**For landfills:** The proposed fill height of the facility and how it will eventually impact the existing appearance of the surrounding area.

**For landfills:** If the proposed facility is within an area covered by a set of local zoning requirements, applicant must demonstrate that the proposed facility will be conformance with those zoning standards.

**For landfills:** How the proposed facility will impact existing traffic patterns in and adjacent to the proposed facility.

**For transfer facilities:** The measures that will be taken, if necessary, to blend the appearance and operation of the proposed facility in with its surroundings.

**For transfer facilities:** If the proposed facility is within an area covered by a set of local zoning requirements, applicant must demonstrate that the proposed facility will be conformance with those zoning standards.

**For transfer facilities:** How the proposed facility will impact existing traffic patterns in and adjacent to the proposed facility.
For other MSW Facilities: The measures that will be taken, if necessary, to blend the appearance and operation of the proposed facility in with its surroundings.

For other MSW Facilities: If the proposed facility is within an area covered by a set of local zoning requirements, applicant must demonstrate that the proposed facility will be conformance with those zoning standards.

For other MSW Facilities: How the proposed facility will impact existing traffic patterns in and adjacent to the proposed facility.

Unless the property adjacent to the proposed facility site has been purchased, zoned and/or platted for future development at the time the permit/registration application is submitted for review, the RSWMAC will generally not consider future growth patterns as a factor of the conformance review. As a pre-existing facility, the RSWMAC would consider the rights of the MSW facility to hold precedence over the rights of the individual or entity that might elect to develop that adjacent property in the future.

The RSWMAC reserves the right to solicit letters of comment from individuals and organizations located within the proposed facility's impact area when considering the general land use compatibility factor.

RSWMAC's Conformance Review Findings: There are four responses the RSWMAC may consider when determining the conformance of a proposed facility to the regional solid waste management plan. Those are:

1. A finding that additional information will be required before a final recommendation can be rendered.

2. A finding of conformance with the plan prompting a recommendation to the TCEQ that the application be approved as presented.

3. A finding of non-conformance, citing the areas where the non-conformance occurs, prompting a recommendation to the TCEQ that the permit or registration not be granted until the noted deficiencies are corrected.

4. A finding of incompatibility with existing surrounding land use, prompting a recommendation to the TCEQ that a land use compatibility hearing be held before the granting of the permit or registration is considered.

It should be noted that this review is not an application approval or disapproval process. It is merely a means by which the RSWMAC can voice its qualified opinion of how the proposed facility conforms to the regional solid waste management plan to the body that will eventually approve or disapprove the application.

Communicating the RSWMAC's Conformance Review Findings: The PRPC’s Regional Solid Waste Program Coordinator will be responsible for communicating the RSWMAC’s findings in writing to all affected parties. Those findings will be communicated as follows.

An original copy of the RSWMAC’s recommendation letter, signed by the current year RSWMAC chairperson, will be sent to the individual identified in the applicant’s cover letter as being the appropriate TCEQ contact person. The letter will be mailed seven days following the meeting during which the RSWMAC recommendation was made allowing the applicant time, if necessary, to appeal the recommendation of the RSWMAC.
A copy of the letter will be sent to the person identified in the applicant’s cover letter as being the chief contact person for the application. The letter will be mailed immediately following the meeting during which the RSWMAC recommendation was made.

A copy of the letter will be sent to the person identified in the applicant’s cover letter as being the engineer representing the applicant. The letter will be mailed immediately following the meeting during which the RSWMAC recommendation was made.

**Appeals Process:** The RSWMAC is an Advisory Committee to the Panhandle Regional Planning Commission’s Board of Directors. The PRPC Board has vested the responsibility for MSW facility application review with the RSWMAC. In general, the recommendations of the RSWMAC will be final.

An applicant may appeal the disposition of its application **only** if the application review is not processed and treated in accordance with the procedures set forth in this section.

All appeals, including the specific alleged procedural violation(s), must be submitted to the PRPC Executive Director in writing. The Executive Director may then take one of the following actions:

1. Investigate the allegation and determine that the appeal is not valid. In such case, the applicant will receive in writing the basis for the decision to reject the applicant’s appeal. In such case, the decision of the Executive Director is final.

2. If there is some validity to the appeal, the Executive Director will place the appeal on the agenda of the PRPC Board of Directors. The protesting applicant will be notified of the time and date of the meeting during which the Board of Directors will consider the appeal. The applicant will be given the opportunity to present his/her case directly to the PRPC Board of Directors. The Board of Directors will then render a decision on the appeal of the protesting applicant. All decisions made by the PRPC Board of Directors will be final.

An appeal can be filed at any time during the seven calendar-day period following the date on which the RSWMAC developed its recommendation. The appeal must be received by the PRPC during that timeframe. Any appeals received after that date will not be considered and the RSWMAC recommendation letter will be immediately forwarded to the TCEQ.

**Voluntary Pre-Application Review:** A potential permit or registration applicant may, at their discretion, ask to meet with the PRPC Regional Solid Waste Program Coordinator to discuss their impending application. The PRPC Solid Waste Program Coordinator will provide the potential applicant with his/her observations of the proposed facility in relation to the regional solid waste management plan. In so doing, this may help to ensure the ultimate conformance of the proposed facility with the regional plan.
This checklist is designed to assist the MSW facility permit or registration applicant in meeting the TCEQ’s application requirements. Subchapter E (§ 330.51 (10)) of the Texas Administrative Code states that it is the applicant’s responsibility to demonstrate conformance with the regional solid waste management plan.

The TCEQ requires the Panhandle Regional Solid Waste Management Advisory Committee (RSWMAC) review your application to determine if the proposed facility will conform to the Panhandle Regional Solid Waste Management Plan. The questions below pertain to the goals and objectives of that plan. Your response to these questions will provide the RSWMAC with a perspective on how your proposed facility will support the plan’s goals.

All questions relating to the type of facility being permitted or registered must be answered. A response of “Not Applicable” or “N/A” will not be acceptable. This checklist must be fully completed and submitted to the PRPC, along with Parts 1 and 2 of your facility application, before the local conformance review process can be initiated. The certification box must be signed by the chief administrative officer of the applicant entity indicating that the information provided herein is accurate and true.

Section 1: General Applicant Information

1.1. Applicant’s Name  Diversified Waste Management, Inc.

1.2. Is this a permit or a registration application?  (please check the appropriate box and provide the application number.)
    - Permit No.____________________  ☑️ Registration No. 40307_______

1.3. What type of MSW facility is being registered or permitted?  (please check the appropriate box)
    - ☑️ Type I Landfill
    - ☑️ Type IV AE Landfill
    - ☑️ Type I AE Landfill
    - ☑️ Type V Facility
    - ☑️ Type IV Landfill
    - ☑️ Other (please describe)

Describe “Other” below:

________________________________________________________________________

1.4. What types of waste(s) will be accepted at your facility?  Please specify any special wastes.

Medical waste as defined in 30 TAC §326.3(23), trace chemotherapeutical waste, and non-hazardous pharmaceutical waste.

________________________________________________________________________

1.5. What entity(ies) in the Panhandle region is this facility intended to serve?
Health care-related facilities – please refer to 25 TAC §1.134 for specific facilities and services. Also, the facility will accept exempt, household wastes similar to those that are approved in the facility’s registration.
1.6 Do you plan to accept out-of-state waste at your facility? If Yes, what percent of your projected waste stream will be from out-of-state?  

- 25% Yes  
- No

Section 2: Regional Planning Goal Conformance

Please provide information as to how your proposed facility will help to support or conform with the goals and/or objectives of the Panhandle Regional Solid Waste Management Plan

Panhandle Regional Solid Waste Plan Goal #1

Develop programs to facilitate the development and maintenance of local source reduction, waste minimization, recycling, and composting programs within the region, thus, conserving disposal capacity and resources to the extent technically and economically feasible. (NOTE: Recycling includes yard waste composting)

2.2.1. Will your facility divert for recycling or beneficial reuse any of the following items? (if additional space is needed, attached an additional sheet titled “Planning Goal #2.1.1” in the upper right-hand corner of the page)

- White Goods
- Scrap Metal
- Tree limbs or brush
- Yard Waste
- Construction/Demolition Debris
- Other (please describe)

Describe “Other” below:

This facility will process reusable sharps containers before returning the cleaned containers to the client for reuse.

[Additional description]

2.2.2. Do you believe your facility will support this regional planning goal? If so, please explain. (if additional space is needed, attached an additional sheet and provide the information under a heading titled “Planning Goal #2.1.2”)

Yes, by processing reusable sharps containers and returning them to the clients, this waste stream will be diverted from landfill disposition.

[Additional description]
Panhandle Regional Solid Waste Plan Goal #2
Develop regional cost-effective, efficient and environmentally-suitable solid waste management systems.

2.2.1. Per your operating plan, describe how you will achieve environmentally-suitable cost effectiveness and efficiency with your facility? (if additional space is needed, attached an additional sheet and provide the information under a heading titled “Planning Goal #2.2.1.”)

This facility will operate in a cost-effective, efficient and environmentally-suitable manner. Some examples include, operating new, minimal emissions equipment; practicing safe and efficient waste management to prevent spills; and minimizing excess transportation to and from the facility. Based on observed trends created by the current pandemic, the owner/operator foresees increased demand for medical waste management and will provide competitive rates and efficient processing and storage before disposal at an authorized facility.

2.2.2. How will your facility customer base benefit from any efficiencies or cost effectiveness? (if additional space is needed, attached an additional sheet and provide the information under a heading titled “Planning Goal #2.2.2.”)

The facility’s customer base will benefit from the efficiencies and cost-effectiveness through competitive waste management rates, timely waste pick-ups, and proper waste disposition. The facility will be able to efficiently manage the anticipated increase in medical waste generation.

2.2.3. Do you believe your facility will support this regional planning goal? If so, please explain. (if additional space is needed, attached an additional sheet and provide the information under a heading titled “Planning Goal #2.2.3.”)
Yes, the facility will be strategically operated to minimize environmental impacts, improve efficiency for customers’ waste management needs, and provide competitive waste management rates to customers. The facility will be able to manage the anticipated increase in medical waste.

Panhandle Regional Solid Waste Plan #3
Develop programs to assist regional and local entities in controlling and stemming illegal and improper disposal practices.

2.3.1. What measures will you take to make your services conveniently accessible to the public? (if additional space is needed, attached an additional sheet and provide the information under a heading titled “Planning Goal #2.3.1.”)

The facility will have a process in place for visitors producing less than 50 pounds/month of facility-accepted waste to transport their waste to the facility; sign-in and sign a waiver ensuring that they are bringing only accepted wastes to the facility; and the visitors will be directed to an unloading area where the accepted, exempt household wastes similar to those waste managed at the facility will be screened by facility personnel and accepted by the facility for processing and disposal.

2.3.2. As part of your operating plan, would you be willing to accept waste from locally-sponsored litter and illegal dumping clean-up projects at no cost or at significantly reduced costs? Please explain. (if additional space is needed, attached an additional sheet and provide the information under a heading titled “Planning Goal #2.3.2.”)

Yes, the operators of the facility would be willing to accept waste, as approved by the registration, from locally-sponsored litter and illegal dumping clean-up projects at no cost or at significantly reduced costs. The operators of the facility are willing to assist with litter and illegal dumping clean-up projects when circumstances arise in order to give back to the local community.
2.3.3. Do you believe your facility will support this regional planning goal? If so, please explain. (If additional space is needed, attached an additional sheet and provide the information under a heading titled “Planning Goal #2.3.3.”)

Yes, we believe that the facility will support this regional planning goal by providing a service that will reduce landfill injuries caused by household-disposed sharps and ensuring that exempt household wastes are properly processed and disposed that would otherwise end up in the landfill, unprocessed or inefficiently managed. Increased capacity will ensure treatment cost control and availability of proper treatment, reducing the likelihood of improper waste management.

Panhandle Regional Solid Waste Plan #4 (Land Use Compatibility)

Maintain administrative structures that will ensure at least some measure of local control over future systems operations and provide an element of control over siting of future landfills in the region.

2.4.1. Is the site of your proposed facility in an area that has been zoned by one of the region’s local governments?  
☐ Yes ☒ No

2.4.2. If Yes, which local government zoning standards will this facility have to comply with? Also, attached documentation from the zoning entity indicating that the proposed facility is in compliance with the standards.

2.4.3. Describe the current land use within ½ mile of the proposed facility site? Please refer to Attachment 3, Land Use Map, of the registration application.
Regional Solid Waste Plan
Performance Checklist

To the North: Primarily agricultural; undeveloped residential approximately 0.4 miles from facility

To the South: Primarily agricultural; sparse governmental and residential at 0.1 to 0.2 miles from facility

To the East: Industrial, residential, agricultural

To the West: Industrial, residential, agricultural, commercial

2.4.4. If the proposed facility is a landfill, what will be the maximum fill height of the facility?

_____ NA___ Feet above grade

2.4.5. When the maximum fill height is reached, how will the facility compare to surrounding elevation features (surrounding meaning, “within a two-mile circumference of the facility”)? Will this be the most prominent elevation feature within a 2-mile radius? Please explain. (if additional space is needed, attached an additional sheet and provide the information under a heading titled “Planning Goal #2.4.5.”)

NA

2.4.6. If the proposed facility is a transfer station or some “Other” type of MSW facility, how will it be built and operated to correspond with the way the property adjacent to the proposed facility site is currently being used? (if additional space is needed, attached an additional sheet and provide the information under a heading titled “Planning Goal #2.4.6.”)

The facility will be designed and operated in an industrial area which corresponds well with the property adjacent to the east and west of the facility is currently used for industrial operations and to the north and south which is used for transportation (Interstate-40 to south) and agriculture (north).

2.4.7. Will vehicular traffic into and out of the proposed facility disrupt or impact the area’s existing traffic patterns? Please explain. (if additional space is needed, attached an additional sheet and provide the information under a heading titled “Planning Goal #2.4.7.”)
Regional Solid Waste Plan
Performance Checklist

Vehicular traffic into and out of the proposed facility is not expected to disrupt or impact the area’s existing traffic patterns. If disruptions occur, the operator will coordinate with the Potter County Road and Bridge Dept. and/or Texas Dept. of Transportation.

Only minor increases in traffic are expected as shown in Attachment 3 - Land Use Map and Section 2.2, Table 2 of the registration application.

2.4.8. To the best of your knowledge, is there any pre-existing, planned development of the property adjacent to the proposed facility site? If Yes, please explain. (if additional space is needed, attached an additional sheet and provide the information under a heading titled “Planning Goal #2.4.8.”)

All waste processing will be conducted within the existing structure on the property. The medical waste treatment and storage operations will be conducted in a portion of the structure that is separated from other industrial operations which are operated by the same owner. The owner/operator owns the property to the east and west of the proposed registration boundary which provides additional buffer between medical waste operations and residences. The structure will provide adequate visual screening between the medical operations and the public.

2.4.9. Do you believe your proposed facility is compatible with the current land uses surrounding the proposed site? Please explain. (if additional space is needed, attached an additional sheet and provide the information under a heading titled “Planning Goal #4.8”)

Yes, the primary land use within 0.5 miles of the facility is agricultural with limited industrial, commercial, and residential use. With all processing operations conducted within the structure and adequate buffer area around the structure, there should be minimal influence of the operations on surrounding properties.
Panhandle Regional Solid Waste Plan Goal #5
Regionally, ensure continued, adequate disposal capability

2.5.1. If the proposed facility is other than a landfill, where will the stored or processed wastes be taken for disposal?
  Stored or processed waste will be taken to authorized treatment, storage, and/or disposal facilities depending on the nature of the waste (treated medical waste or wastewater).

2.5.2. If the proposed facility is other than a landfill, what, if any, type of measures will be taken to minimize, reduce, or recycle the waste before it is hauled off for disposal?
  Processed waste will be shredded and compacted for volume reduction before disposal. Also, reusable sharps containers will be returned to clients after they are cleaned.

2.5.3. If the proposed facility is a landfill, what type of measures will be taken to compact the landfilled waste? What is your projected compaction ratio? ____ pounds per cubic yard. What type of equipment will you use to achieve this compaction ratio?
  NA

2.5.4. Do you plan on using Alternative Daily Cover materials or other space-savings measures that might extend the useful life of your landfill? If “Yes”, please explain.
  NA
Regional Solid Waste Plan
Performance Checklist

2.5.5. Do you believe that your proposed facility will contribute toward this regional goal? If so, please explain. (If additional space is needed, attached an additional sheet and provide the information under a heading titled "Planning Goal #2.5.5.")

Yes, the facility will ensure that all wastes are transported to authorized treatment, storage and/or disposal facilities in an efficient manner. Waste will be transported to disposal facilities after it has been shredded and compacted to reduce volume.

Section 3: Certifications

I hereby certify that the information contained herein is, to the best of my knowledge complete and accurate and that the information in fact represents the MSW facility for which this entity is requesting a TCEQ registration or permit.

Name of Applicant' Chief Administrative Officer: Wade Wheatley (Delegated signatory authority per Section 6 of the original Registration Application, dated 01/06/2020)

Title of Chief Administrative Officer: Managing Director – GDS Associates, Inc.

Signature of Chief Administrative Officer  

Date 03/24/2020

NOTE:

PLEASE COMPLETE THIS FORM AS FULLY AND AS ACCURATELY AS POSSIBLE. YOUR COMPLETED CHECKLIST WILL BE SUBMITTED TO THE PERMITS SECTION OF THE TEXAS COMMISSION ON ENVIRONMENTAL QUALITY ALONG WITH THE REGIONAL SOLID WASTE MANAGEMENT ADVISORY’S COMMITTEE’S CONFORMANCE REVIEW ASSESSMENT.
Texas Commission on Environmental Quality

Application for a Medical Waste Registration

Diversified Waste Management

Registration 40307

Amarillo, Potter County, Texas

January 6, 2020

Revision Date: March 12, 2020

Prepared for

Diversified Waste Management, Inc.

13511 Indian Hill Road

Amarillo, Texas 79124-2637

Prepared by

Wade M. Wheatley, P.E., Managing Partner

GDS Associates, Inc.

Texas-Registered Engineering Firm No. F-4089

919 Congress Avenue, Suite 1110

Austin, Texas 78701

TCEQ-20789, Application for a Medical Waste Registration (09-28-18)
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TCEQ-20789, Application for a Medical Waste Registration (09-28-18)
Section 1—General Information

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

| Facility Name: Diversified Waste Management |
| Regulated Entity Reference No. (if issued): RN |
| Physical or Street Address (if available): 13511 Indian Hill Road |
| City: Amarillo         County: Potter         State: TX         Zip Code: 79124 |
| (Area Code) Telephone Number: 806-371-0120 Email Address: jana@diversifiedwaste.net |
| Latitude (Degrees, Minutes, Seconds, or Decimal Degrees): N 35° 11’ 27.5” |
| Longitude (Degree, Minutes, Seconds, or Decimal Degrees): W 101° 59’ 46.4” |

Activities Conducted at the Facility (check all that apply)
- [x] Storage
- [x] Treatment
- [x] Transfer
- [ ] Other: ___________________________________________________________________

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

Approximately 0.8 miles east of the intersection of I-40 and Arnot Road (Exit 60); north of I-40 Frontage Road and south of Indian Hill Road.

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

Less than 1 mile from the intersection of I-40 and Arnot Road (west of 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: Diversified Waste Management, Inc. |
| Contact Person’s Name: Brandon Brown        Title: President |
| Customer Reference No. (if issued): CN604112805 |
| Mailing Address: 13511 Indian Hill Road |
| City: Amarillo         County: Potter         State: TX         Zip Code: 79124 |
| (Area Code) Telephone Number: 806-371-0120 Email Address: jana@diversifiedwaste.net |
Operator of Facility (if not the same as Owner of Facility)

Operator Name: Same as Owner

Contact Person’s Name: ___________________________ Title: ___________________________

Customer Reference No. (if issued): CN________________________

Mailing Address: ________________________________________________

City: ____________ County: ____________ State: _____ Zip Code: _____

(Area Code) Telephone Number: ____________ Email Address: ____________

Consultant (if applicable)

Firm Name: GDS Associates, Inc.

Texas Board of Professional Engineers Firm Registration Number: F-4089

Contact Person’s Name: Wade M. Wheatley, P.E. Title: Managing Director

Texas Board of Professional Engineers License Number (if applicable): 76710

Mailing Address: 919 Congress Ave. Suite 1110

City: Austin County: Travis State: TX Zip Code: 78701

(Area Code) Telephone Number: 512-494-0369 Email Address: wade.wheatley@gdsassociates.com

1.3 Governmental Entities Information

Texas Department of Transportation

District: Amarillo

District Engineer’s Name: Brian Crawford, P.E.

Street Address or P.O. Box: 5715 Canyon Drive

City: Amarillo County: Randall State: TX Zip Code: 79110

(Area Code) Telephone Number: 806-356-3200 Email Address: Brian.Crawford@txdot.gov

Local Government Authority Responsible for Road Maintenance (if applicable)

Agency Name: Potter County Road and Bridge Department

Contact Person’s Name: Sebastin Ysaguirre, Department Head

Street Address or P.O. Box: 2419 Willow Creek

City: Amarillo County: Potter State: TX Zip Code: 79107
Initial Application Submittal Date 1/6/2020
Revision Date: January 15, 2020

(Telephone Number: 806-383-2273 Email Address: SebastianYsaguirre@co.potter.tx.us)

City Mayor

City Name: City of Amarillo

City Mayor’s Name: Ginger Nelson

Mailing Address: 601 South Buchanan Street

City: Amarillo County: Potter State: TX Zip Code: 79101

(Telephone Number: 806-378-3014 Email Address: ginger.nelson@amarillo.gov)

Council of Governments (COG)

COG Name: Panhandle Regional Planning Commission

COG Representative’s Name: Kyle Ingham

COG Representative’s Title: Executive Director

Street Address or P.O. Box: 415 SW 8th Ave., POB 9257

City: Amarillo County: Moore State: TX Zip Code: 79105

(Telephone Number: 806-372-3381 Email Address: kingham@theprpc.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: City of Amarillo Public Health

Contact Person’s Name: ________________

Street Address or P.O. Box: 1000 Martin Road

City: Amarillo County: Potter State: TX Zip Code: 79107

(Telephone Number: 806-680-8980 Email Address: __________________)

County Judge Information

County Judge’s Name: Nancy Tanner

Street Address or P.O. Box: 500 South Fillmore, Suite 103

City: Amarillo County: Potter State: TX Zip Code: 79101
Initial Application Submittal Date 1/6/2020

(Area Code) Telephone Number: 806-379-2250  Email Address: __________________________

**County Health Authority (if applicable)**

Agency Name: City of Amarillo Public Health

Contact Person’s Name: _____________________________________________________________

Street Address or P.O. Box: 1000 Martin Road

City: Amarillo  County: Potter  State: TX  Zip Code: 79101

(Area Code) Telephone Number: 806-379-2250  Email Address: __________________________

**State Representative**

House District Number: 87

Representative’s Name: Representative Four Price

District Office Address: 500 S. Taylor Street

City: Amarillo  County: Potter  State: TX  Zip Code: 79101

(Area Code) Telephone Number: 806-374-8787  Email Address: __________________________

**State Senator**

Senate District Number: 31

State Senator’s Name: Senator Kel Seliger

District Office Address: 410 S. Taylor, Suite 1600

City: Amarillo  County: Potter  State: TX  Zip Code: 79101

(Area Code) Telephone Number: 806-374-8994  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:

https://www.gdsassociates.com/txprojects/

**1.5 Copy of Application for Public Viewing**

Name of the Public Place: Southwest Amarillo Public Library

Physical Address: 6801 Southwest 45th Street

City: Amarillo  County: Potter  State: TX  Zip Code: 79109

(Area Code) Telephone Number: (806) 359-2094
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

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: 582EA000370536________________________

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 ☒

(either a Class A or 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:

Information about the character of surrounding land uses are shown on the Land Use Map, presented as Attachment 3. This Facility will be located within the Extraterritorial Jurisdiction of the City of Amarillo. Land uses immediately adjacent to the Facility are industrial and agricultural. The primary land use within one mile of the Facility is agricultural with parcels of industrial, commercial, residential, and governmental uses. Activities associated with the parcels within one mile of the Facility include, but are not limited to, agriculture, transportation and vehicle maintenance, landscaping equipment staging, metal plating, gas station services, residential, and county services. Land use within the property boundary is industrial.

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

The population of the City of Amarillo grew at an annual rate of 0.53% during 2017 and an annual rate of 0.00% during 2018 and for the Amarillo Metro Area at an annual rate of 0.61% during 2017 and 0.37% during 2018, according to population estimates published by the United States Census Bureau. Additionally, the population of Potter County declined at a rate of -0.25% during 2017 and by -0.72% during 2018, according to the United States Census Bureau. Based on historical aerial imagery, directions of major residential and commercial development appears to be to the west, southwest, southeast, and east of the proposed Facility.

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:

As illustrated on the Land Use Map, presented as Attachment 3, within one mile of the proposed Facility, there are no schools, cemeteries, historic structures, day-care facilities, or hospitals recorded. There are approximately 50 developed residences and 90 undeveloped residences within one mile of the Facility, not including an RV park located approximately 3,330 feet to the southwest that has the capacity for approximately 200 RVs. The nearest property boundary of a single-family house is located approximately 405 feet west of the registration boundary. A single-family home subdivision is located approximately 5,025 feet east of the site and as stated above, the land approximately 2,000 feet north of the proposed Facility is currently being developed as a single-family house subdivision. The Potter County Justice of Peace is located approximately 500 feet south of the proposed Facility and there are two commercial establishments located approximately 3,900 feet west. The predominant land use designation within one mile of the proposed Facility is agricultural.
Indicate the distance to the nearest residence(s): 405 feet

Provide directions to the nearest residence(s):

Single family house property boundary is located approximately 405 feet west of the registration boundary. The nearest residential structure is approximately 630 feet west of the closest waste management area.

Indicate the distance to the nearest commercial establishment(s): 3,900 feet

Provide directions to the nearest commercial establishment(s):

The nearest commercial establishments are approximately 3,900 feet to the west of the proposed Facility, as illustrated on the Land Use Map, presented as Attachment 3.

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.

The main roadways located within one mile of the Facility that provide access to the Facility are listed in the table below.

<table>
<thead>
<tr>
<th>Name of Road</th>
<th>Surface Type and Number of Lanes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Interstate 40 (I-40)</td>
<td>Asphalt, 4-lane, divided</td>
</tr>
<tr>
<td>I-40 Frontage Road</td>
<td>Asphalt, 2-lane, undivided</td>
</tr>
<tr>
<td>Arnot Road</td>
<td>Asphalt, 2-lane, undivided</td>
</tr>
<tr>
<td>Hope Road</td>
<td>Asphalt, 2-lane, undivided</td>
</tr>
<tr>
<td>Dowell Road</td>
<td>Asphalt, 2-lane, undivided</td>
</tr>
<tr>
<td>Indian Hill Road</td>
<td>Asphalt, 2-lane, undivided</td>
</tr>
</tbody>
</table>

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.

<table>
<thead>
<tr>
<th>Road</th>
<th>Volume (Vehicles per Day)</th>
<th>Projected Vehicle Traffic Generated by Facility</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Existing Vehicle Traffic (2018)</td>
<td>Expected Vehicle Traffic (5% annual growth) (FY 2030)</td>
</tr>
<tr>
<td>N I-40 Frontage Rd., E of Arnot Rd.</td>
<td>1,750</td>
<td>2,851</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>N I-40 Frontage Rd., W of Arnot Rd.</td>
<td>1,931</td>
<td>3,145</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>S I-40 Frontage Rd., E of Arnot Rd.</td>
<td>2,316</td>
<td>3,773</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>S I-40 Frontage Rd., W of Arnot Rd.</td>
<td>1,315</td>
<td>2,142</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>S I-40 Frontage Rd., W of Hope Rd.</td>
<td>1,318</td>
<td>2,147</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>N I-40 Frontage Rd., W of Hope Rd.</td>
<td>2,185</td>
<td>3,559</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>N I-40 Frontage Rd., E of Dowell Rd.</td>
<td>709</td>
<td>1,155</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dowell Rd.</td>
<td>460 (2015)</td>
<td>749</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>All Roads</td>
<td>11,984</td>
<td>19,521</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

I-40, west of facility annual average daily traffic: 19,850 (Expected by FY 2030: 32,334)
I-40, east of facility annual average daily traffic: 22,173 (Expected by FY 2030: 36,117)
FY: Fiscal Year

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

The Texas Department of Transportation (TXDOT) provides annual average daily traffic counts and growth statistics through the Traffic Count Database System (TCDS) and 2019 District Traffic Web Viewer. Annual growth rate derived from City of Amarillo, Market Guide (2018).

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):

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

In accordance with §326.71(f)(1) & (2), this existing facility has been constructed, maintained, and operated to manage run-on and run-off during the peak discharge 25-year rainfall event and will prevent the off-site discharge of all waste and feedstock material, including, but not limited to, in-process and/or processed materials. This facility will continue to maintain and operate in this manner. Surface water drainage in and around the facility will be controlled to minimize surface water running onto, into, or off the treatment area.

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

Yes ☐  No ☒

Identify the floodplain zone Zone X

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

A copy of the FEMA flood map for the area is presented as [Attachment 13](#).

**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):

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.

Manufacturer specifications for the equipment listed in Table 3 are provided as [Attachment 19](#).
### Table 3. Design Details and Manufacturer Specifications for Waste Management Units.

<table>
<thead>
<tr>
<th>Unit Type</th>
<th>Minimum Number of Units</th>
<th>Design Details</th>
<th>Approximate Dimensions</th>
<th>Approximate Capacity per Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mark-Castello Autoclave Processing Unit (or equivalent)</td>
<td>1 (up to 2)</td>
<td>Fully insulated, double door</td>
<td>24’-0” L 6’-1” W 5’-3” H</td>
<td>1,125 pounds or 7.5 cubic yards per 1-hour cycle</td>
</tr>
<tr>
<td>Hurst Boiler w/ feedwater system (or equivalent)</td>
<td>1</td>
<td>100 HP, 150 psig, 3.3 MBtu/hr</td>
<td>12’-8” L 6’-0” W 6’-3” H</td>
<td>564 gallons 100-gallon feedwater system</td>
</tr>
<tr>
<td>ARE Standard Flow Thru Washer (or equivalent)</td>
<td>1</td>
<td>Conveyor belt loading, wash area 36’ W x 48” H</td>
<td>31’-0” L 7’-0” W 7’-0” H</td>
<td>370 square feet</td>
</tr>
<tr>
<td>Vecoplan Shredder (or equivalent)</td>
<td>1</td>
<td>Rotary-style or knife-style</td>
<td>10’-7” L 9’-7” W 5’-0” H</td>
<td>6.4 cubic yards 2,400 pounds per 1-hour</td>
</tr>
<tr>
<td>WasteEquip Compactor (or equivalent)</td>
<td>1</td>
<td>Self-Contained Compactor</td>
<td>20’-0” L 8’-6” W 8’-4” H</td>
<td>25 cubic yards</td>
</tr>
<tr>
<td>3,000-gallon Wastewater Tank (or equivalent)</td>
<td>1</td>
<td>Polyethylene, Plastic, Double-walled, Storage Tank</td>
<td>8’-6” Diameter 12’-0” H</td>
<td>3,000 gallons</td>
</tr>
<tr>
<td>Endura-Veyor Conveyor (or equivalent)</td>
<td>1</td>
<td>Slider bed belt conveyor, 2 HP, 120 feet/min.</td>
<td>20’-0” L 2’-3” W 1’-5” H</td>
<td>254 pounds</td>
</tr>
<tr>
<td>Mark-Costello Waste Cart Tipper (or equivalent)</td>
<td>1</td>
<td>10 HP</td>
<td>9’-2” L 6’-4” W 13’-5” H</td>
<td>4,500 pounds</td>
</tr>
<tr>
<td>Trench Drain – General Construction Information</td>
<td>1</td>
<td>Sub-grade, covered by grate, approx. slope: 1/4”:12”</td>
<td>55’-0” L (total: 70’-0”) 1’-0” W 0’-11” H</td>
<td>620 gallons</td>
</tr>
<tr>
<td>Refrigerated Tractor Trailer (or equivalent)</td>
<td>1</td>
<td>Common Standard Freight Trailer</td>
<td>28’, 48’, or 53’ L 8’ to 8’-6” W 12’-6” to 13’-6” H</td>
<td>22,000 (28’) to 44,000 (53’) pounds</td>
</tr>
<tr>
<td>Unit Type</td>
<td>Minimum Number of Units</td>
<td>Design Details</td>
<td>Approximate Dimensions</td>
<td>Approximate Capacity per Unit</td>
</tr>
<tr>
<td>-------------------</td>
<td>-------------------------</td>
<td>-------------------------------</td>
<td>------------------------</td>
<td>------------------------------</td>
</tr>
<tr>
<td>Spill Response Kit</td>
<td>1</td>
<td>Absorbent, large dustpan, and broom</td>
<td>NA</td>
<td>1 Spill</td>
</tr>
</tbody>
</table>

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 of an existing building on-site. The building is supported on a concrete slab-on-grade foundation capable of supporting the building, including processing and waste storage units, and 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):

Medical waste processing units will be controlled and contained in an enclosed building. Treated waste storage will be contained in fully enclosed units (i.e. compactor container). 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. Contaminated waters are prevented from leaving the facility by collection in trench drains. Within the enclosed building, trench drains will be used to manage wastewater and direct wastewater to an on-site storage tank with secondary containment. Accumulated wastewater will be disposed off-site at a TCEQ-authorized facility.

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.

See Attachment 9 for Treatment Requirements and Procedures.
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):

Upon closure, all waste, waste residues, and any recovered materials will be removed from the Facility by the owner or operator. Waste processing units will be decontaminated, dismantled and removed from the site. The owner or operator will evacuate all material on-site to an authorized facility and disinfect all processing areas and post-processing areas. The owner or 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 or operator will, through a public notice in the newspaper(s) 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, and the number of copies of the approved final closure and post-closure plans for public access and review. The owner or 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. Further, 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 and 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 or 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).

The closure cost estimates are in accordance with 30 TAC §326.71(m). Closure cost estimates provided are based on hiring a third party that is not affiliated with the owner or operator. The closure cost estimates are based on phased development of the Facility.

Phase I: One processing unit (autoclave), one boiler, one shredder, one compactor, one container wash system, and one wastewater container; as described in Section 2.5 of this
application. Maximum amount of waste to be received daily: **18** tons/day and maximum amount of waste to be stored at any point in time: **36** tons.

**Phase II:** Two processing units (autoclave), one boiler, one shredder, one compactor, one container wash system, and one wastewater container; as described in **Section 2.5** of this application. Maximum amount of waste to be received daily: **36** tons/day and maximum amount of waste to be stored at any point in time: **72** tons.

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.

#### Phase I:

<table>
<thead>
<tr>
<th>Item No.</th>
<th>Item Description</th>
<th>Unit of Measurement</th>
<th>Quantity</th>
<th>Unit Cost</th>
<th>Total Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Site Evaluation and Engineering Review</td>
<td>Hour</td>
<td>10</td>
<td>$145</td>
<td>$1,450</td>
</tr>
<tr>
<td>2</td>
<td>Bid Document and Procurement</td>
<td>Hour</td>
<td>8</td>
<td>$90</td>
<td>$720</td>
</tr>
<tr>
<td>3</td>
<td>Contract Award and Administration</td>
<td>Hour</td>
<td>10</td>
<td>$120</td>
<td>$1,200</td>
</tr>
<tr>
<td>4</td>
<td>Clean-Up, Removal and Transport of Waste Stored On-Site</td>
<td>Ton</td>
<td>36</td>
<td>$225</td>
<td>$8,100</td>
</tr>
<tr>
<td>5</td>
<td>Disposal of Waste at an Authorized Facility</td>
<td>Ton</td>
<td>36</td>
<td>$35</td>
<td>$1,260</td>
</tr>
<tr>
<td>6</td>
<td>Waste Treatment</td>
<td>Ton</td>
<td>36</td>
<td>$235</td>
<td>$8,460</td>
</tr>
<tr>
<td>7</td>
<td>Process Units Dismantling</td>
<td>Hour</td>
<td>24</td>
<td>$70</td>
<td>$1,680</td>
</tr>
<tr>
<td>8</td>
<td>Wash Down and Disinfection of Facility and Processing Units</td>
<td>Hour</td>
<td>24</td>
<td>$70</td>
<td>$1,680</td>
</tr>
<tr>
<td>9</td>
<td>Vector Control</td>
<td>Lump Sump</td>
<td>1</td>
<td>$120</td>
<td>$120</td>
</tr>
<tr>
<td>10</td>
<td>Site Security</td>
<td>Lump Sump</td>
<td>1</td>
<td>$120</td>
<td>$120</td>
</tr>
<tr>
<td>11</td>
<td>Signs, Newspaper Notice and TCEQ Notice</td>
<td>Lump Sump</td>
<td>1</td>
<td>$3,180</td>
<td>$3,180</td>
</tr>
</tbody>
</table>
## Initial Application Submittal Date 1/6/2020
Revision Date: March 12, 2020

<table>
<thead>
<tr>
<th>Item No.</th>
<th>Item Description</th>
<th>Unit of Measurement</th>
<th>Quantity</th>
<th>Unit Cost</th>
<th>Total Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>12</td>
<td>Facility Inspection and Closure Certification by Licensed Engineer</td>
<td>Lump Sump</td>
<td>1</td>
<td>$1,180</td>
<td>$1,180</td>
</tr>
<tr>
<td>13</td>
<td>Loading, Transport, and Disposal of 3,000-gallon Tank &amp; 615 gallons in Trench Drain</td>
<td>Gallon</td>
<td>3,615</td>
<td>$0.65</td>
<td>$2,350</td>
</tr>
<tr>
<td>14</td>
<td>Storage and Processing Unit Closure Costs Subtotal</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td>$31,500</td>
</tr>
<tr>
<td>15</td>
<td>Contingency Cost (15%)</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td>$4,725</td>
</tr>
<tr>
<td>16</td>
<td>Total Closure Cost Estimate</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td>$36,225</td>
</tr>
</tbody>
</table>

**Phase II:**

<table>
<thead>
<tr>
<th>Item No.</th>
<th>Item Description</th>
<th>Unit of Measurement</th>
<th>Quantity</th>
<th>Unit Cost</th>
<th>Total Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Site Evaluation and Engineering Review</td>
<td>Hour</td>
<td>12</td>
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<tr>
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<td>$90</td>
<td>$720</td>
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<td>3</td>
<td>Contract Award and Administration</td>
<td>Hour</td>
<td>10</td>
<td>$120</td>
<td>$1,200</td>
</tr>
<tr>
<td>4</td>
<td>Clean-Up, Removal and Transport of Waste Stored On-Site</td>
<td>Ton</td>
<td>72</td>
<td>$225</td>
<td>$16,200</td>
</tr>
<tr>
<td>5</td>
<td>Disposal of Waste at an Authorized Facility</td>
<td>Ton</td>
<td>72</td>
<td>$35</td>
<td>$2,520</td>
</tr>
<tr>
<td>6</td>
<td>Waste Treatment</td>
<td>Ton</td>
<td>72</td>
<td>$235</td>
<td>$16,920</td>
</tr>
<tr>
<td>7</td>
<td>Process Units Dismantling</td>
<td>Hour</td>
<td>28</td>
<td>$70</td>
<td>$1,960</td>
</tr>
<tr>
<td>8</td>
<td>Wash Down and Disinfection of Facility and Processing Units</td>
<td></td>
<td>28</td>
<td>$70</td>
<td>$1,960</td>
</tr>
<tr>
<td>9</td>
<td>Vector Control</td>
<td></td>
<td>1</td>
<td>$120</td>
<td>$120</td>
</tr>
<tr>
<td>Item No.</td>
<td>Item Description</td>
<td>Unit of Measurement</td>
<td>Quantity</td>
<td>Unit Cost</td>
<td>Total Cost</td>
</tr>
<tr>
<td>---------</td>
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<td>---------------------</td>
<td>----------</td>
<td>-----------</td>
<td>------------</td>
</tr>
<tr>
<td>10</td>
<td>Site Security</td>
<td>Lump Sump</td>
<td>1</td>
<td>$120</td>
<td>$120</td>
</tr>
<tr>
<td>11</td>
<td>Signs, Newspaper Notice and TCEQ Notice</td>
<td>Lump Sump</td>
<td>1</td>
<td>$3,180</td>
<td>$3,180</td>
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<tr>
<td>12</td>
<td>Facility Inspection and Closure Certification by Licensed Engineer</td>
<td>Lump Sump</td>
<td>1</td>
<td>$1,180</td>
<td>$1,180</td>
</tr>
<tr>
<td>13</td>
<td>Loading, Transport, and Disposal of 3,000-gallon Tank &amp; 615 gallons in Trench Drain</td>
<td>Gallon</td>
<td>3,615</td>
<td>$0.65</td>
<td>$2,350</td>
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<td>14</td>
<td>Storage and Processing Unit Closure Costs Subtotal</td>
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<td>NA</td>
<td>NA</td>
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<td>15</td>
<td>Contingency Cost (15%)</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td>$7,525</td>
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<td>16</td>
<td>Total Closure Cost Estimate</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td>$57,695</td>
</tr>
</tbody>
</table>


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):

The facility will employ three categories of key personnel for day-to-day operations. These categories include:

Manager - The Treatment Facility is managed by a Facility Manager; who is directly responsible to the owner or operator. The Facility Manager oversees the responsibilities for the “day to day” operations of the Facility and is experienced and trained in the handling and disposal of medical waste, including the actual handling of the medical waste (transfer and storage operations); the medical waste processing and treatment operations; the regulatory documentation of the operation; the physical and environmental safety of the Facility; and safety training of Facility personnel. The Facility Manager will receive at least 16 contact hours (2 days) per year of educational classes relating to regulatory and industry procedures concerning medical waste handling, disposal, and safety issues. The classes are sponsored by waste industry organizations, regulatory agencies, and professional engineering/management societies. The Facility Manager will be required to have at a minimum a Class B License in accordance with 30 TAC §30.213.

The Facility Manager hires all necessary personnel to work at the Facility. The various requirements of the Facility will include personnel involved with the collection, handling, transfer, treatment, processing, and weighting of the medical waste; and office personnel involved with regulatory documentation and general office functions. The number of personnel working at the Facility at any given time will vary with the quantity of waste to be handled.

Waste Handlers - The Waste Handlers function in daily operations is to control facility access and screens incoming waste. The Waste Handler operates the facility in compliance with the TCEQ-approved Site Operating Plan as well as the company’s Standard Operating Procedures which do not require a TCEQ authorization. Items under the Waste Handler’s purview includes but is not limited to: equipment operation, manages waste flow, container flow and facility housekeeping. The Waste Handler may act as Records Administrator or Manager if the need warrants. The minimum qualification for Waste Handlers is general facility and regulatory knowledge.

Records Administrators - The Records Administrator controls recordkeeping and reporting. Assists with maintaining the facility operating record as described in §326.75(e). The Records Administrator may act as the Waste Handler or Manager if the need warrants. The minimum qualification for Records Administrators 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):

Various procedures to detect and control the receipt of prohibited wastes will be implemented at the facility. These procedures include but are not limited to: 1) Contracts with customers specifically detaining allowable and prohibited wastes. 2) random inspections of packaging for incoming loads; 3) record and manifest inspections and inspection results; 4) training of facility personnel responsible for inspecting or observing loads to recognize prohibited waste and informing facility customers of prohibited wastes. Facility personnel may inform waste transportation drivers of facility requirements and screening for prohibited wastes. Information regarding the prohibited wastes may 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 Type V Medical Waste Processing Facility will accept and process medical waste as defined in §326.3(23), including animal waste, bulk blood, bulk human blood, bulk human body fluids, pathological waste, and sharps or other healthcare-related items that have come into contact with body fluids and/or blood. Additionally, the facility may accept, and process trace chemotherapeutic waste and non-hazardous pharmaceutical waste. 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. 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 per §326.53. Waste received by the Facility will be accompanied by an approved manifest identifying the generator, address of origin, and number of containers. Reusable sharps containers will be collected and transported from healthcare providers to the Facility for storage and processing. Sharps containers will be emptied, and the contents will be stored and washed before they are returned to the generator. Medical waste; including trace chemotherapeutic waste, non-hazardous pharmaceutical waste, and sharps; will be stored and processed as a single waste stream.

Trained staff will inspect each load of incoming waste to prevent prohibited wastes from being accepted at the Facility. If unacceptable wastes are identified (such as radioactive or hazardous) via inspection or detection equipment, they will be refused and returned to their place of origin for proper handling.

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 will allow small quantity generators (SQGs) [generators of less than 50 pounds of untreated medical waste per month] to purchase United States Department of Transportation-approved disposable and reusable sharps containers from the owner/operator. Purchased containers may be used for transporting used or unused sharps to the Facility for processing and container treatment services. The SQGs may transport sharps, sharps containers, and medical waste to the Facility for treatment and disposal after acknowledging and signing an owner/operator-provided form stating all accepted and prohibited wastes of the Facility. This waste stream will be screened and accepted or rejected as described above. The visitor sign-in location and unloading area for exempt household wastes of similar character to the wastes authorized to be managed at this facility, are illustrated on Attachment 2B. Trained staff 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. The facility will use reusable contains that will be washed before being returned to customers for reuse.

<table>
<thead>
<tr>
<th>Maximum amounts of waste</th>
<th>Phase I</th>
<th>Phase II</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Maximum amount of waste to be received daily:</td>
<td>18</td>
<td>36</td>
<td>Tons/day</td>
</tr>
<tr>
<td>Maximum amount of waste to be stored at any point in time:</td>
<td>36</td>
<td>72</td>
<td>Tons</td>
</tr>
</tbody>
</table>

**Maximum length of time waste is to remain at the facility:** 30 hours x days

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

**Processed:** 7 hours x days

**Unprocessed:** 72 hours x days, if unrefrigerated, or 30 hours x days in refrigeration

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 process and wash water (including autoclave condensate) will be generated indoors over impervious floors with trench drains and either placed back into the processing unit or will be
managed and directed into an on-site wastewater storage container (as described in Section 2.5, Table 3) by the trench drains until transported by an authorized transporter to be properly disposed at a TCEQ-authorized facility. No wastewaters will be discharged from the Facility. Management of process water will be in accordance with Local, State, and Federal requirements. All processed waste will be stored in an on-site compactor (as described in Section 2.5, Table 3) prior to transport to and disposal at an authorized 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 in accordance with §326.75(r).
### 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):**

Access to the Facility will be controlled by a minimum six (6) foot tall chain-link fence with entrance gates that will be locked when the facility is not in operation. The building has lockable 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/from vehicles. Waste storage units, including refrigeration units and transport units storing waste will be located within the perimeter fencing, but not within the buffer zone or any easements or right-of-way crossing the facility.

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

Due to all-weather surfaces at the Facility, dust from on-site and other access roadways becoming a nuisance to surrounding areas is not anticipated. In the event that there is a problem related to windblown dust, water will be used to control windblown dust. Within the Facility boundary, a standard garden hose connected to an on-site water source (private water well) may be sufficient to apply water.

All on-site and other access roadways will be maintained on a regular basis to minimize depressions, ruts, and potholes, as appropriate. Off-site access roads and their repairs are under the jurisdiction of Potter County and/or the Texas Department of Transportation.

**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;
- [x] 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:**

Requested waste acceptance and transfer hours for the Facility and commercial waste transportation companies are 24 hours per day, 7 days per week. Operating hours for waste processing units is 24 hours per day, 7 days per week. The owner or operator may conduct operations for maintenance and housekeeping, as needed, 24 hours per day, 7 days per week. Customer and business needs necessitate the operating hours requested (i.e. customers often require the collection of waste after normal operating hours).

Requested waste acceptance hours of exempt household waste of similar character to the wastes authorized to be managed at this facility are 7:00am to 7:00 pm, Monday through Friday. See Section 4.2 for operation details.
List the alternative operating hours, if any, of up to five days in a calendar-year period: Not applicable.
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**

  All medical waste will be stored in a manner that does not create a nuisance. All medical waste materials remain in sealed containers or bags as they are placed in the processing unit. All waste processing will be conducted inside the building, separate from waste storage.

  Untreated medical waste may need to be temporarily stored on site. Any untreated medical waste requiring storage for a period longer than 72 hours will be placed in refrigerated storage at a temperature of 45 degrees Fahrenheit or less. Once waste has been treated, it will be shredded and placed in an enclosed waste compactor and hauled to a TCEQ-permitted landfill facility for disposal, no longer than 7 days after processing. The treated waste may 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 storage area will be maintained. Storage areas are designed to manage waste volumes of Phase I and Phase II.

  The stationary compactor 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 sealed compactor 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. In addition, the compactor will be hauled to a permitted landfill on a regular basis.

  Wastewater generated on-site will be stored in an on-site container (as described in Section 2.5, Table 3) until transported by an authorized transporter to an authorized disposal facility.

- **30 TAC §326.75(e), Recordkeeping and Reporting**

  A copy of the registration, the approved registration application, and any other required plan or other related document, including as-built construction specifications and drawings, will be maintained at this Facility at all times as part of the Facility Operating Record. These documents will be available for inspection by agency representatives.

  The operator will record and maintain the information required in §326.75(e)(2)(A-E) in their 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 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 is reviewed upon receipt to ensure the proper documentation has been provided and that the Facility referred to in this registration application is named as the designated facility to receive the waste. Shipping documents are signed and at least one copy is 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 is 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.

- **30 TAC §326.75(f), Fire protection Plan**

  An adequate supply of water under pressure will be provided on-site via storage container that is supplied by an on-site water well and water brought to the site by the local firefighting authority, as needed. The operator has coordinated with the local firefighting authority and will continue to maintain adequate firefighting resources in accordance with local fire regulations. Firefighting equipment will be readily available and accessible. Fire extinguishers will be located throughout the Facility 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 included as **Attachment 20A**. Employees will be trained in its contents and use. The Fire Protection Plan includes the measures for fire protection, procedures for using fire protection measures, employee training and safety procedures, notification protocol, etc. The Fire Protection Plan is in compliance with local fire codes.

- **30 TAC §326.75(g)(2), Access Roads, Vehicle Parking, and Safety Measures**

  The access roads to the Facility are all paved roadway, as detailed in **Section 2.2** of the Application for a Medical Waste Registration. The entrance and exit for the Facility are on Indian Hill Road, which is a two-lane thoroughfare leading to roadways connected to Interstate 40 (I-40). The Facility provides safe on-site access for commercial vehicles, and for employees and visitors. The on-site roads include adequate turning radii according to the vehicles that will be utilized at the facility and disruption of normal traffic patterns will be avoided. The Facility provides adequate parking for equipment, employees, and visitors. Safety bumpers at hoppers will be provided, where applicable. On-site roads are constructed of well-graded gravel and will be maintained to prevent airborne dust and mud.

- **30 TAC §326.75(g), Access Control**

  Public access control will be maintained through several means. When the facility is operating, process operators control access to the Facility building which houses the processing areas. No processing occurs outside of the Facility building. Traffic is controlled by vehicle signage and established access roads. The Facility building is locked and secured during non-operational hours. The perimeter of the facility is equipped with 6-foot chain-link fencing and a locking gate at the site entrance and exit.

  The access roads to the Facility are all paved roadway, as detailed in **Section 2.2** of the Application for a Medical Waste Registration. The entrance and exit for the Facility are on Indian Hill Road, which is a two-lane thoroughfare leading to roadways connected to Interstate 40 (I-40). The Facility provides safe on-site access for commercial vehicles, and for employees and
visitors. The on-site roads include adequate turning radii according to the vehicles that will be utilized at the facility and disruption of normal traffic patterns will be avoided. The Facility provides adequate parking for equipment, employees, and visitors. Safety bumpers at hoppers will be provided, where applicable. On-site roads are constructed of well-graded gravel and will be maintained to prevent airborne dust and mud.

The operating/processing area is housed in the enclosed Facility structure. Access to the building is controlled via process operator attendance, boundary fencing, and locking doors and gates. The Facility has a 6-foot chain link no-climb perimeter fence which encloses the facility building and parking areas, as shown on the Facility Access and Layout Maps, presented as Attachment 2A and Attachment 2B, respectively. An attendant will be on-site during operating hours.

- **30 TAC §326.75(h), Unloading of Waste**

  The unloading of medical waste will be confined to the loading docks, as shown on Attachment 2B. An attendant will monitor all incoming loads of waste. 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. Untreated waste in storage for 72 hours or more will be refrigerated to at least 45 degrees Fahrenheit.

  The unloading of waste in areas not specified for this activity, as shown on Attachment 2B, 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.

- **30 TAC §326.75(i)(3), Recording of Applicable Alternative Hours (if used)**

  Not applicable

- **30 TAC §326.75(j), Signs at Facility Entrances**

  The owner/operator will display a sign at the entrance to the Facility which measures as least four feet by four feet with letters at least three inches in height stating the following: Facility Name; type of facility; hours and days of operation; authorization number of the Facility; and Facility rules.

- **30 TAC §326.75(k), Control of Windblown Material and Litter**

  Windblown litter is not anticipated at this Facility. Processing and storage areas of the Facility are completely enclosed. Any waste stored outside of the building will be stored in completely enclosed transportation trailers. However, site personnel will regularly patrol the Facility property for litter and any identified litter will be cleaned up the same day.

- **30 TAC §326.75(l), Facility Access Roads**
All off-site access roads are paved, all-weather roads and on-site roads are constructed of well-graded gravel to ensure access and integrity in all weather conditions. Although mud is not anticipated on the Facility roadways or parking areas, if mud is 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.

On-site roads/parking areas are maintained by the owner/operator. Off-site access roads are maintained by the property authority (municipal or state entities). The owner/operator will coordinate with the entity exercising maintenance responsibility of the public roadway, as necessary, to ensure that depressions, ruts, and potholes are addressed.

- **30 TAC §326.75(m), Noise Pollution and Visual Screening**
  All processing and storage except enclosed vehicle storage of waste to be processed on-site or transported to an off-site facility will be conducted inside of an enclosed 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. Additionally, the owner/operator owns the properties directly to the east and west of the facility that further abates noise pollution and provides additional visual screening.

- **30 TAC §326.75(n), Overloading and Breakdown**
  The design capacity of the processing unit(s), as described in Section 2.5, Table 3, and waste acceptance and storage volumes, as stated in Section 4.2, will not be exceeded. The Facility will not accumulate medical waste in quantities that cannot be processed within such time that would allow for the creation of odors, insect breeding and harborage of other vectors. A process flow diagram and narrative of the Facility’s operations are provided as Attachment 8.

  There are several measures employed by the owner/operator that ensure that waste is stored properly and processed in a timely manner:

  1. The Facility has sufficient storage capacity for incoming waste to accommodate the requested volume of medical waste allowable in storage which would allow for sufficient time to repair equipment malfunctions.

  2. Incoming wastes stored <72 hours will be stored in an enclosed unit or in appropriate closed containers and, once processed, will not attract vectors or create odors. Wastes stored >72 hours will be stored in an enclosed, refrigerated unit (45 degrees Fahrenheit or less) until processed or transferred to a TCEQ-approved off-site facility, in the event of prolonged work stoppage. Designated processing and storage areas are depicted on Attachment 2A and 2B.

  3. Incoming waste shipments can be delayed, or sent to alternative, authorized storage, processing, or disposal facilities, if necessary.

  If significant work stoppage should occur due to mechanical breakdown or other causes, the Facility will restrict the receipt of waste accordingly. Under such circumstances, incoming waste deliveries will be delayed or diverted to an authorized 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 medical waste from the Facility to a TCEQ-approved treatment, storage, or disposal facility.
The owner or operator will have alternative processing or disposal procedures for the solid waste in the event that the facility becomes inoperable for periods longer than 24 hours.

Treated waste will be hauled to a TCEQ-approved facility for disposal.

- **30 TAC §326.75(o), Sanitation**

  Potable water and sanitary facilities for all employees and visitors will be provided, as shown on Attachment 2A and 2B.

  All working surfaces that come in contact with wastes will be washed down regularly at the completion of processing. Washing and cleaning activities will be conducted as needed, at least twice weekly. 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. Wash waters are not allowed to accumulate on site in order to prevent the creation of odors or attract vectors. Additionally, all wash waters will be collected and disposed of in an authorized manner (see Section 4.3 for details).

- **30 TAC §326.75(p), Ventilation and Air Pollution Control**

  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 and 30 TAC §106.183.

- **30 TAC §326.75(q), Health and Safety**

  Please see Attachment 20B.

- **30 TAC 326.75(r), Disposal of Treated Medical Waste (if applicable)**

  As provided by §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 processes reusable medical waste containers at the Facility using a specialized wash system, and containers will therefore not be disposed. The owner/operator will shred treated medical waste prior to disposing of it in a permitted landfill. Any markings that identify the waste as a medical waste will therefore be obscured and illegible after the shredding process.

  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 by the use of 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).

- **30 TAC §326.71(n); Financial Assurance**

  The value of financial assurance for this Facility will be based on phased growth of the Facility’s operations, as stated in Section 3.2 of this registration application.

  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 for Phase I and prior to increased waste receipts for operation under Phase II. Continuous financial assurance coverage for closure must be provided until all requirements of the final closure plan, presented as Attachment 20C, have been completed and the facility is determined to be closed in writing by the executive director.

In accordance with 30 TAC §326.77(j) & (k), after construction and prior to accepting waste, a pre-opening inspection will be conducted by the executive director within 14 days of notification by owner or operator that all construction activities have been completed, accompanied by representatives of the owner or operator and the engineer.

- **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.**

Once the decision is made to close, and no later than 90 days prior to the closure, the operator will place a public notice in the newspaper with the largest circulation in the area. The announcement will have the facility name, contact address and physical location, registration number, notification number, and intended closure date. The operator will also make available an adequate number of copies of the approved final closure plan for public access and review. A written notice will be sent to the executive director of the TCEQ of the intent to close the treatment facility. Additional notices will be mailed to current customers. Copies of all correspondence will be placed in the site operating record.

This Closure Plan, presented as Attachment 20C, provides for the conclusion of all operations and the termination of the requirements for a State of Texas Medical Waste Treatment Facility Registration at the location. In order to close the Facility, all on-site medical waste and related wastes would need to be transferred to a treatment, storage, or disposal facility, the containers used for the transfer of the medical waste would need to be cleaned and sanitized, the Facility floors in the storage and processing/treatment areas would need to be cleaned and sanitized, and the Treatment Facility equipment would need to be removed from the Facility property.

- **30 TAC §326.71(l)(2); install signs and barriers upon notification of final closure to the executive director.**

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, or barriers installed to prevent unauthorized dumping.

- **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.**

Within ten days of completion of final closure activities, the operator or the operator’s agent will submit to the executive director of the TCEQ a closure certification and a request for registration revocation. The closure certification will be signed by a Texas-licensed professional engineer and will verify that the final facility closure was completed in accordance with the approved closure plan. The engineer’s certification may state that:

(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.
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: Wade Wheatley, P.E.

Title of person signing: Managing Director
Signature: __________________________ Date: 03/12/2020

Notarization
SUBSCRIBED AND SWORN to before me by the said __________________________
On this 12th day of March, 2020.
My commission expires on the 03 day of May, 2022.

Notary Public in and for __________________________ 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:________________________________________

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

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

TCEQ–20789, Application for a Medical Waste Registration (09-28-18)
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: Frank Shane Ward and Bobby Brandon Brown

Signature: ___________________________ Date: January 3, 2020

Notarization

SUBSCRIBED AND SWORN to before me by the said ___________________________

On this ___3rd____ day of January, 2020.

My commission expires on the ___10th___ day of April, 2022

__________________________
Notary Public in and for

__________________________ County, Texas
## Attachments

### Table Att-1. Required Attachments

<table>
<thead>
<tr>
<th>Attachments</th>
<th>Attachment No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>General Location Map</td>
<td>1</td>
</tr>
<tr>
<td>Facility Access Map</td>
<td>2A</td>
</tr>
<tr>
<td>Facility Layout Map</td>
<td>2B</td>
</tr>
<tr>
<td>Land Use Map</td>
<td>3</td>
</tr>
<tr>
<td>Land Ownership Map</td>
<td>4A</td>
</tr>
<tr>
<td>Land Ownership List</td>
<td>4B</td>
</tr>
<tr>
<td>Land Ownership Hard Copy and Electronic Mailing List or Mailing Labels</td>
<td>4B</td>
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<tr>
<td>Metes and Bounds Drawing and Description</td>
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<tr>
<td>Property Owner Affidavit</td>
<td>6</td>
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<tr>
<td>Copy of Authorization to Discharge Wastewater to a Treatment Facility</td>
<td>7</td>
</tr>
<tr>
<td>Process Flow Diagram and Narrative</td>
<td>8</td>
</tr>
<tr>
<td>Procedures for Operation and Testing of Treatment Equipment, if applicable</td>
<td>9</td>
</tr>
<tr>
<td>Procedures for Preparation of any Chemical used in Treatment, if applicable</td>
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<tr>
<td>Verification of Legal Status</td>
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<td>Texas Department of Transportation Coordination Letters</td>
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<td>Entity Exercising Maintenance Responsibility of Public Roadway, if applicable</td>
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<tr>
<td>FEMA Map</td>
<td>13</td>
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<td>Facility Design Demonstration for Flood Management, or Conditional Letter of</td>
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<td>Map Amendment from FEMA, if applicable</td>
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<td>Published Zoning Map</td>
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<td>Manufacturer Specifications for Waste Management Units</td>
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<td>Confidential Documents</td>
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<td>Section 5 – Other Site Operating Plan, Financial Assurance, and Closure Requirements</td>
<td>20A, 20B, &amp; 20C</td>
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ATTACHMENT 1

GENERAL LOCATION MAP
FOR PERMITTING PURPOSES ONLY

Legend
- Approximate Site Boundary

Notes:
1. Approximate coordinates data from Google Maps Imagery, 2019

Drawn by: JDS  Reviewed by: WMW
Date: 12-23-2019
Project No.: 44634-002

SCALE: 1" = 2,000'

USGS The National Map: National Boundaries Dataset, National Elevation Dataset, Geographic Names Information System, National Hydrography Dataset, National Land Cover Database, National Structures Dataset, and National Transportation Dataset; U.S. Census Bureau - TIGER/Line; HERE Road Data

Attachment 1
General Location Map
Diversified Waste Management, Inc.
Amarillo, Texas
FOR PERMITTING PURPOSES ONLY

NOTES
1. MEDICAL WASTE PROCESSING WILL BE CONDUCTED ONLY IN DESIGNATED WASTE PROCESSING AREA.
2. NO SOLID WASTE UNLOADING, LOADING, OR PROCESSING WILL OCCUR WITHIN ANY EASEMENT, BUFFER ZONE, OR RIGHT-OF-WAY.
3. THE BUFFER ZONE WILL BE MAINTAINED TO PROVIDE SAFE PASSAGE OF FIRE FIGHTING AND OTHER EMERGENCY VEHICLES.
4. VISITOR PARKING AND SIGN-IN IS LOCATED AT THE MAIN OFFICE.
5. AUTHORIZATION FOR 10-DAY HAZARDOUS WASTE TRANSFER AREA WILL BE MAINTAINED THROUGH TCEQ – NOT AUTHORIZED BY THIS REGISTRATION.
6. PHASE I WILL INCLUDE AUTOCLAVE NO. 1 AND PHASE II WILL INCLUDE BOTH AUTOCLAVE NO. 1 & 2 (SEE ATTACHMENT 2B).
7. INDIAN HILL ROAD CONSISTS OF ASPHALT AND ALL ON-SITE ROADS CONSIST OF COMPACTED, WELL-GRADING GRAVEL.
8. DRAINAGE IS GENERALLY TO THE WEST.
9. THE SURFACE TYPE OF ALL ROADS WITHIN ONE-MILE OF THE FACILITY WILL NORMALLY BE USED BY THE OWNER/OPERATOR FOR FACILITY INGRESS/EGRESS IS ASPHALT. ROADS ARE DEPONED IN ATTACHMENT 3 - LAND USE MAP.

GDS Associates, Inc.
Engineers and Consultants

FACILITY ACCESS MAP
ATTACHMENT 2A
DIVERSIFIED WASTE MANAGEMENT, INC.
AMARILLO, TEXAS

SCALE AS SHOWN

DRAWN BY: JDS

DRW-01281

INVENTION

NOTE

NUMBER

REVISION

DATE OF

DESCRIPTION

APPROVED BY: WAW

DATE: 02-25-2020

DIVISION NUMBER: 44634-002

DIVERSIFIED WASTE MANAGEMENT, INC.

02-25-2020

2A
ATTACHMENT 2B

FACILITY LAYOUT MAP
FOR PERMITTING PURPOSES ONLY

NOTES

1. MEDICAL WASTE PROCESSING WILL BE CONDUCTED ONLY IN DESIGNATED WASTE PROCESSING AREA.

2. NO SOLID WASTE UNLOADING, LOADING, OR PROCESSING WILL OCCUR WITHIN ANY EASEMENT, BUFFER ZONE, OR RIGHT-OF-WAY.

3. THE BUFFER ZONE WILL BE MAINTAINED TO PROVIDE SAFE PASSAGE OF FIRE FIGHTING AND OTHER EMERGENCY VEHICLES.

4. VISITOR PARKING AND SIGN-IN IS LOCATED AT THE MAIN OFFICE.

5. AUTHORIZATION FOR 10-DAY HAZARDOUS WASTE TRANSFER AREAS WILL BE MAINTAINED THROUGH TCQ - NOT AUTHORIZED BY THIS REGISTRATION.

6. PHASE I WILL INCLUDE AUToclAVE NO. 1 AND PHASE II WILL INCLUDE BOTH AUToclAVE NO. 1 & 2.

7. INDIAN HILL ROAD CONSISTS OF ASPHALT AND ALL ON-SITE ROADS CONSIST OF COMPACTED, WELL-GRADED GRAVEL.

8. DRAINAGE IS GENERALLY TO THE WEST.

9. THE SURFACE TYPE OF ALL ROADS WITHIN ONE-MILE OF THE FACILITY THAT WILL NORMALLY BE USED BY THE OWNER/OPERATOR FOR FACILITY INGRESS/EGRESS IS ASPHALT. ROADS ARE DEPICTED IN ATTACHMENT 3 - LAND USE MAP.

GDS Associates, Inc.
Engineers and Consultants

DRAWN BY: JDS
REVISION
DATE OF
REV
BY:
DESCRIPTION:

APPROVED BY: WKM

DATE: 02-25-2020

SCALE AS SHOWN

FACILITY LAYOUT MAP
ATTACHMENT 2B
DIVERSIFIED WASTE MANAGEMENT, INC.
AMARILLO, TEXAS

GDS PROJECT NUMBER: 44634-002
DIVERSIFIED WASTE MANAGEMENT, INC.

DATE: 02-25-2020
FIGURE NUMBER: 2B

78710
ATTACHMENT 3

LAND USE MAP
LAND USE MAP
ATTACHMENT 3
DIVERSIFIED WASTE MANAGEMENT, INC
AMARILLO, TEXAS

Notes:
2. Land use labels determined from November 2019 site visit and Google Maps Aerial Imagery, 2019.
4. Parcel data from Potter-Randall County Appraisal District, 2019
5. RV: Recreational vehicle

Legend
- Approximate Site Boundary
- 1-Mile Radius
- Potter County Justice of Peace
- Surface Water
- Parcel Boundary

Legend
- Approximate Site Boundary
- 1-Mile Radius
- Potter County Justice of Peace
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Notes:
2. Land use labels determined from November 2019 site visit and Google Maps Aerial Imagery, 2019.
4. Parcel data from Potter-Randall County Appraisal District, 2019
5. RV: Recreational vehicle

Name of Road | Surface Type and Number of Lanes
--- | ---
Interstate 40 (I-40) | Asphalt, 4-lane, divided
I-40 Frontage Road | Asphalt, 2-lane, undivided
Arnot Road | Asphalt, 2-lane, undivided
Hope Road | Asphalt, 2-lane, undivided
Dowell Road | Asphalt, 2-lane, undivided
Indian Hill Road | Asphalt, 2-lane, undivided

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ATTACHMENT 4A

LAND OWNERSHIP MAP
ATTACHMENT 4B

LAND OWNERSHIP LIST
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<td>WARD F SHANE, BROWN B BRANDON&lt;br&gt;11910 INTERSTATE 27&lt;br&gt;AMARILLO, TX 79119-2527</td>
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<tr>
<td>2</td>
<td>SV DEVELOPERS LLC&lt;br&gt;6013 SHADY BROOK DR&lt;br&gt;AMARILLO, TX 79124-1326</td>
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<td>3</td>
<td>EMENY 59 LTD&lt;br&gt;PO BOX 1230&lt;br&gt;AMARILLO, TX 79105-1230</td>
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<td>4</td>
<td>NOT AVAILABLE</td>
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<td>5</td>
<td>MCCARTY LYNDA&lt;br&gt;4502 SW 2ND AVE&lt;br&gt;AMARILLO, TX 79106-5206</td>
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<td>WILLIAMS THOMAS G&lt;br&gt;13825 INDIAN HILL RD&lt;br&gt;AMARILLO, TX 79124-2603</td>
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<td>CARROLL THOMAS GERALD&lt;br&gt;902 SW 10TH ST&lt;br&gt;SEMINOLE, TX 79360-5235</td>
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<td>MARKLE STEEL CO&lt;br&gt;PO BOX 1886&lt;br&gt;ODESSA, TX 79760-1886</td>
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<td>23</td>
<td>LOHMAN WILLIAM H</td>
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<td>POTTER COUNTY, % POTTER COUNTY JUDGE</td>
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<td>A TO Z BILLBOARDS INC</td>
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<td>30</td>
<td>EMELINE BUSH OBRIEN/MARSH TRUST, MARSH STANLEY IV CO-TRUSTEE, DAVIDSON ELIZABETH MARSH CO-TRUSTEE</td>
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</table>
BOUNDARY SURVEY MADE FOR:

Diversified Waste Management, Inc.
Amarillo, Texas 79124

NOTES:
1. This Survey may not reflect all conditions that are contained in the covenants and/or restrictions that affect this property.
2. This Survey is subject to any facts which may be revealed by a full and accurate title search.
3. Portions of the plat are exaggerated for clarity.
4. Record documents other than those shown may affect this tract.
5. Only those covenants furnished to the surveyor are shown herein.

PROPERTY DESCRIPTION:

A 3.35 acre tract to land out of Section One Hundred Ten (110), Block No. Nine (9), B&F Survey, Potter County, Texas, and being a portion of a 9.98 acre tract of land as conveyed to Markle Steel Company in Warranty Deed of record in Volume 149, page 20 of the Deed Records of Potter County, Texas, said 3.35 acre tract of land being more particularly described by metes and bounds as follows:

BEGINNING at a point on the North line of said 9.98 acre tract whence the Northeast corner of Section 110 bears North 40 feet and East 1017.18 feet;

THENCE South 00 degrees 08 minutes 08 seconds West, a distance of 167.88 feet to a point in the North line of the Rock Island Railroad right-of-way, said point being 50 feet North of the center line of said railroad right-of-way;

THENCE North 88 degrees 18 minutes West with the North line of said railroad right-of-way, a distance of 402.18 feet to a point;

THENCE North 00 degrees 08 minutes 37 seconds East a distance of 337.44 feet to a point in the North line of said 9.98 acre tract being 40 feet South of the North line of said Section 110;

THENCE South 89 degrees 17 East parallel with the North line of said Section 110, a distance of 402.03 feet to the POINT OF BEGINNING.

Said tract contains a computed area of 3.35 acres of land.
ATTACHMENT 6

PROPERTY OWNER AFFIDAVIT
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: Frank Shane Ward and Bobby Brandon Brown

Signature: ________________________________ Date: January 3, 2020

Notarization

SUBSCRIBED AND SWORN to before me by the said President - Brandon Brown


My commission expires on the 10th day of April, 2022

Notary Public in and for

Randal County, Texas
ATTACHMENT 7
COPY OF AUTHORIZATION TO DISCHARGE WASTEWATER TO A TREATMENT FACILITY

NOT APPLICABLE

ALL WASTEWATER WILL BE CONTAINERIZED ON-SITE AND TRANSPORTED OFF-SITE FOR DISPOSAL AT A TCEQ-APPROVED FACILITY
ATTACHMENT 8

PROCESS FLOW DIAGRAM AND NARRATIVE
NOTES:

1. IN THE EVENT THAT UNTREATED MEDICAL WASTE CANNOT BE PROCESSED BEFORE THE MAXIMUM LENGTH OF TIME WASTE IS TO REMAIN AT THE FACILITY, AS STATED IN THE REGISTRATION APPLICATION, THE UNTREATED WASTE WILL BE TRANSFERRED TO A TCEO-APPROVED FACILITY FOR TREATMENT, STORAGE, OR DISPOSAL.

2. IN THE EVENT THAT THE MAXIMUM STORAGE VOLUME OF UNTREATED MEDICAL WASTE IS EXCEEDED, AS STATED IN THE REGISTRATION APPLICATION, THE EXCESS UNTREATED WASTE WILL BE DIVERTED/TRANSFERRED TO A TCEO-APPROVED FACILITY FOR TREATMENT, STORAGE, OR DISPOSAL.

3. WASTE MAY ARRIVE AT FACILITY BY A TCEO-REGISTERED TRANSPORTER OR BY A SMALL QUANTITY GENERATOR (SQG) [GENERATOR OF LESS THAN 50 POUNDS OF UNTREATED MEDICAL WASTE PER MONTH] AS EXEMPTED PER 30 TEXAS ADMINISTRATIVE CODE 326.31(b).

4. "WASTE" INCLUDES MEDICAL WASTE AS DEFINED IN 30 TAC 326.3(23), TRACE CHEMOTHERAPEUTICAL WASTE, AND NON-HAZARDOUS PHARMACEUTICAL WASTE.

PROCESSED WASTE

UNDOUATED WASTE COLLECTED FROM GENERATOR FOR TRANSPORT TO FACILITY

ARRIVAL OF UNTREATED WASTE AT FACILITY

INSPECTION OF WASTE AT FACILITY

IS WASTE ACCEPTABLE FOR RECEIPT?

YES

WASTE UNLOADED AT FACILITY & DIRECTED TO TEMPORARY STORAGE

NO

REJECT WASTE AND RETURN TO TRANSPORTER OR GENERATOR OF WASTE

WILL WASTE BE PROCESSED WITHIN 72 HOURS?

YES

WASTE TO BE REFRIGERATED AFTER 72 HOURS IN TEMPORARY STORAGE

NO

WASTE TO REMAIN IN TEMPORARY STORAGE UNTIL READY FOR PROCESSING

REUSABLE SHARPS CONTAINERS?

NO

WASTE TO REMAIN IN TEMPORARY STORAGE

YES

CONSOLIDATE SHARPS & DIVERT CONTAINERS TO WASHING PROCESS

REUSABLE SHARPS CONTAINERS WASHED & RETURNED TO GENERATOR

PROCESS UNTREATED MEDICAL WASTE

TRANSPORTATION OF TREATED WASTE TO TCEO-APPROVED DISPOSAL FACILITY

TREATED WASTE SHREDDED & COMPACTED
Process Flow Narrative

The storage, processing, transferring, and disposal sequences for the medical waste (including medical waste, as defined in 30 TAC §326.3(23), trace chemotherapeutic waste, and non-hazardous pharmaceutical waste) and other various types of waste anticipated at the proposed facility are shown on the Process Flow Diagram, also presented in Attachment 8.

Untreated medical waste is collected from a waste generator by a TCEQ-registered medical waste transporter for transportation to the processing facility, or a small quantity generator (SQG) [generator of less than 50 pounds of untreated medical waste per month] may transport untreated medical waste to the facility without a TCEQ authorization; as stated in 30 Texas Administrative Code (TAC) 326.31(b).

Untreated medical waste arrives at the facility via TCEQ-registered medical waste transporter or SQG.

Waste acceptance procedures are described in Section 4.2 of the “Application for a Medical Waste Registration, Diversified Waste Management” (registration application).

Incoming waste will be transferred from transport vehicle to temporary storage before processing. If untreated medical waste is not processed within 72 hours of receipt, the waste will be refrigerated at temperatures at or below 45 degrees Fahrenheit. Waste will not be
stored, processed, or transferred in buffer zones and will not be managed outside of designated areas, as shown on Attachments 2A and 2B. See Section 5.0 of the registration application for additional details of medical waste storage.

Received sharps and sharps containers will be diverted as a separate waste stream. Untreated sharps and sharps containers will be treated as untreated medical waste and will be stored accordingly. Prior to processing, sharps containers will be emptied of their contents before processed in a container washing system. The contents and all untreated medical waste will be processed via steam sterilization. All treated medical waste will be shredded prior to compaction with the exception of reusable sharps containers which will be returned to the generator. Additional details regarding treatment of medical waste are provided as Attachment 9.

Treated medical waste will be processed as municipal solid waste and transported to a TCEQ-approved facility for proper disposal.
ATTACHMENT 9

PROCEDURES FOR OPERATION AND TESTING OF TREATMENT EQUIPMENT

PROCEDURES FOR PREPARATION OF ANY CHEMICAL USED IN TREATMENT (NOT APPLICABLE)
TREATMENT REQUIREMENTS AND PROCEDURES

Diversified Waste Management, Inc. (owner/operator) will treat medical waste in accordance with the provisions of Title 25 TAC Section 1.136 using steam disinfection. Section 1.136 refers to the approved methods of treatment and disposition within Title 25 (relating to Health Services) TAC Part 1 (relating to the Department of State Health Services) Chapter 1 (relating to Texas Board Health) Subchapter K (relating to Definition, Treatment, and Disposition of Special Medical Waste from Health Care-Related Facilities). Section 1.136 allows for various methods of treatment for various types of medical waste.

The owner/operator will treat medical waste to at least the minimum parametric standards of steam disinfection according to Title 25 TAC Section 1.133 (relating to Scope, Covering Exceptions and Minimum Parametric Standards for Waste Treatment Technologies Previously Approved by the Texas Department of Health).

Treated waste will be managed as municipal solid waste and will be transported to and disposed at a TCEQ-permitted landfill or disposal facility in accordance with 30 TAC §326.75(r) and 25 TAC §1.136.

Waste treatment, by autoclave, procedures are summarized below (equipment further described in Attachment 19):

1. Untreated waste is loaded into carts manufactured for autoclave use and the carts are loaded into the processing unit treatment chamber.
2. Once the door is closed and sealed, the steam disinfection operational parameters are set, and the treatment process is started.
3. Upon treatment cycle completion, treated waste is removed from the treatment chamber and handled as municipal solid waste.
4. The carts containing treated waste will be emptied into a shredder, the treated waste will be shredded and then compacted before the treated waste is transported to and disposed at a TCEQ-permitted landfill or disposal facility in accordance with 30 TAC §326.75(r) and 25 TAC §1.136.

Reusable containers washing, by wash system, procedures are summarized below (equipment further described in Attachment 19):

1. The wash settings are set on the machine before treatment begins.
2. Empty waste management containers and reusable sharps containers are manually loaded onto the machine’s conveyor belt.

3. The conveyor belt transports the empty containers through the wash system within the machine.
   a. High-pressure, high-temperature wash

4. Containers exit the system on the conveyor belt after washing.

   **(1) Operator Demonstration of Minimum Four Log Ten Reduction**
   The operator shall demonstrate a minimum four log ten reduction as defined in 25 TAC §1.132 (relating to Definitions) on routine performance testing using appropriate Bacillus species biological indicators (as defined in 25 TAC §1.132).

   **(2) Weekly Testing**
   The operator shall conduct weekly testing.

   **(3) Minimum Parametric Standard Compliance**
   In accordance with 25 TAC §1.133(b)(4), steam disinfection, the sole treatment method at the Facility, shall meet all of the following requirements. To allow for sufficient steam access to or penetration of the waste based on waste packing and capacity limits of the steam disinfection equipment. Waste will be subjected to temperatures reaching at least 121 degrees Celsius and pressures of least 15 pounds per square inch for at least 30 minutes. The steam disinfection equipment will be operated according to the manufacturer’s instructions. The operator will maintain records of operating parameters and reagent strength for three years.

   **(4) Quality Control – Single Use Units**
   Single-use, disposable treatment units will not be stored, processed, or disposed at the Facility.

   **(5) Potable Water Contamination Prevention**
   30 TAC §326.71(j)(5) requires that operators of medical waste treatment equipment shall use backflow preventers on any potable water connections to prevent contamination of potable water supplies. This rule is not applicable at this Facility as treatment equipment will not connected to a potable water supply.

   **(6) Medical Waste Incinerators**
   The owner/operator will not have any incinerators associated with their facility.

   **(7) Alternative Treatment Technologies**
   Alternative treatment technologies will not be utilized at the Facility.
ATTACHMENT 10

VERIFICATION OF LEGAL STATUS
CERTIFICATE OF FILING
OF
DIVERSIFIED WASTE MANAGEMENT, INC.
File Number: 801521417

The undersigned, as Secretary of State of Texas, hereby certifies that a Certificate of Formation for the above named Domestic For-Profit Corporation has been received in this office and has been found to conform to the applicable provisions of law.

ACCORDINGLY, the undersigned, as Secretary of State, and by virtue of the authority vested in the secretary by law, hereby issues this certificate evidencing filing effective on the date shown below.

The issuance of this certificate does not authorize the use of a name in this state in violation of the rights of another under the federal Trademark Act of 1946, the Texas trademark law, the Assumed Business or Professional Name Act, or the common law.

Dated: 12/15/2011

Effective: 12/15/2011

Hope Andrade
Secretary of State
January 6, 2020

Mr. Brian Crawford, P.E.
Texas Department of Transportation
Amarillo District
5715 Canyon Drive
Amarillo, Texas 79110

Re: Type V Medical Waste Treatment Facility Registration Application Coordination
Diversified Waste Management, Inc. Amarillo, Potter County, Texas

Dear Mr. Crawford:

On behalf of our client, Diversified Waste Management, Inc., GDS Associates, Inc. would like to take this opportunity to inform you that we are preparing a registration application for the Texas Commission on Environmental Quality (TCEQ) for a Type V Registration for the operation of a medical waste processing facility. The facility will be located at 13511 Indian Road, Amarillo, Texas. Please refer to the enclosed General Location Map. The facility anticipates receiving 10-15 waste transport vehicles a day and 10-15 employee or visitor vehicles per day.

This letter is to request coordination with the Texas Department of Transportation for traffic and location restrictions in accordance with requirements set forth in the TCEQ, Medical Waste Regulations, 30 TAC §326.71(e)(4). The information will be used to document coordination with your agency, to show adequate road service for the facility and to show that traffic associated with the facility will not adversely affect the roadways. Information regarding the adequacy of the roads in the area as well as traffic counts for roads that are under the Texas Department of Transportation jurisdiction is appreciated. Your response can be mailed to my attention at 919 Congress Ave, Suite 1110, Austin, TX 78701 or sent electronically to Wade.Wheatley@GDSAssociates.com.

Thank you for your time and assistance. If you have any questions or need any additional information, please contact the Assistant Project Manager, Jack Simmons at 512-541-3131 or via e-mail at Jack.Simmons@GDSAssociates.com or you may contact me at 512-541-3160.

Sincerely,

[Signature]
Wade M. Wheatley, P.E.

Enclosure
ATTACHMENT 12

ENTITY EXERCISING MAINTENANCE RESPONSIBILITY OF
PUBLIC ROADWAY
January 6, 2020

Mr. Sebastin Ysaguirre – Department Head
Potter County Road and Bridge Department
2419 Willow Creek
Amarillo, Texas 79107

Re: Type V Medical Waste Treatment Facility Registration Application Coordination
Diversified Waste Management, Inc. Amarillo, Potter County, Texas

Dear Mr. Ysaguirre:

On behalf of our client, Diversified Waste Management, Inc., GDS Associates, Inc. would like to take this opportunity to inform you that we are preparing a registration application for the Texas Commission on Environmental Quality (TCEQ) for a Type V Registration for the operation of a medical waste processing facility. The facility will be located at 13511 Indian Road, Amarillo, Texas. Please refer to the enclosed General Location Map. The facility anticipates receiving 10-15 waste transport vehicles per day and 10-15 employee or visitor vehicles per day.

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Thank you for your time and assistance. If you have any questions or need any additional information, please contact the Assistant Project Manager, Jack Simmons at 512-541-3131 or via e-mail at Jack.Simmons@GDSAssociates.com or you may contact me at 512-541-3160.

Sincerely,

Wade M. Wheatley, P.E.

Enclosure
ATTACHMENT 13

FEMA MAP
LEGEND
- Approximate Site Boundary
- FIRM Panels
- Cross-Sections

FLOOD HAZARD BOUNDARIES
- Other Boundaries

LINE TYPE
- Limit Lines
- SFHA / Flood Zone Boundary

FLOOD HAZARD ZONES
ZONE TYPE
- 1% Annual Chance Flood Hazard
- Regulatory Floodway
- Special Floodway
- Area of Undetermined Flood Hazard
- 0.2% Annual Chance Flood Hazard
- Future Conditions 1% Annual Chance Flood Hazard
- Area with Reduced Risk Due to Levee

NOTES:
2. FEMA: Federal Emergency Management Agency
3. FEMA data from ArcGIS Online (https://hazards.fema.gov/gis/nfhl/services)
ATTACHMENT 14

FACILITY DESIGN DEMONSTRATION FOR FLOOD MANAGEMENT, OR CONDITIONAL LETTER OF MAP AMENDMENT FROM FEMA

NOT APPLICABLE
WETLANDS MAP
ATTACHMENT 15
DIVERSIFIED WASTE MANAGEMENT, INC
AMARILLO, TEXAS

FOR PERMITTING PURPOSES ONLY

Legend
- Approximate Site Boundary
- 1-Mile Radius

Wetlands
- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland
- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond
- Lake
- Other
- Riverine

Notes:
3. Pf: Other - Palustrine, farmed
4. L2EM2F: Lake - Lacustrine, littoral, emergent, semipermanently flooded

Approvals:
- DRAWN BY: JDS
- APPROVED BY: WMW
- DATE: 03-10-2020
- SCALE: AS SHOWN

Add 1-mile radius and notes no. 3 and 4

FOR PERMITTING PURPOSES ONLY
ATTACHMENT 16

COUNCIL OF GOVERNMENTS REVIEW REQUEST
COORDINATION LETTERS
January 6, 2020

Lori Gunn, Regional Services Program Coordinator
Panhandle Regional Planning Commission
415 Southwest Eight Ave.
POB 9257
Amarillo, Texas 79105

Re: Type V Medical Waste Treatment Facility Registration Application Coordination
Diversified Waste Management, Inc. Amarillo, Potter County, Texas

Dear Ms. Gunn:

On behalf of our client, Diversified Waste Management, Inc., GDS Associates, Inc. would like to take this opportunity to inform you that we are preparing a registration application for the Texas Commission on Environmental Quality (TCEQ) for a Type V Registration for the operation of a medical waste processing facility. The facility will be located at 13511 Indian Road, Amarillo, Texas. Please review the Registration Application online at https://www.gdsassociates.com/txprojects/, at your convenience. In accordance with 30 Texas Administrative Code (TAC) §326.71(g), the owner or operator shall submit documentation that the application was submitted for review to the applicable council of governments for compliance with regional solid waste plans.

If the Panhandle Regional Planning Commission has any comments or concurrence that the facility complies with the regional solid waste plan, please send them to me in writing via mail to 919 Congress Ave, Suite 1110, Austin, Texas 78701, or at Wade.Wheatley@GDSAssociates.com. Any comments or concurrence will be included as a supplement to the application. If the project will be considered at a meeting of the Panhandle Regional Planning Commission solid waste advisory committee, please advise as soon as possible so that arrangements can be made to attend.

Thank you for your time and assistance. If you have any questions or need any additional information, please contact the Assistant Project Manager, Jack Simmons at 512-541-3131 or via e-mail at Jack.Simmons@GDSAssociates.com or you may contact me at 512-541-3160.

Sincerely,

Wade M. Wheatley, P.E.

Enclosure
TCEQ Core Data Form

For detailed instructions regarding completion of this form, please read the Core Data Form Instructions or call 512-239-5175.

SECTION I: General Information

1. **Reason for Submission** (If other is checked please describe in space provided.)
   - ☑ New Permit, Registration or Authorization (Core Data Form should be submitted with the program application.)
   - ☐ Renewal (Core Data Form should be submitted with the renewal form)
   - ☐ Other

2. **Customer Reference Number (if issued)**
   - CN 604112805

3. **Regulated Entity Reference Number (if issued)**
   - RN

SECTION II: Customer Information

4. **New Customer Information**
5. **Effective Date for Customer Information Updates** (mm/dd/yyyy)

6. **Customer Legal Name** (If an individual, print last name first, eg: Doe, John)
   - Diversified Waste Management, Inc.

7. **TX SOS/CPA Filing Number**
   - 0801521417

8. **TX State Tax ID** (11 digits)
   - 32046040120

9. **Federal Tax ID** (9 digits)
   - 90078047

10. **DUNS Number** (if applicable)

11. **Type of Customer**:
   - ☑ Corporation
   - ☐ Individual
   - ☐ Partnership: ☑ General ☐ Limited
   - Government: ☐ City ☑ County ☐ Federal ☐ State ☐ Other
   - ☐ Sole Proprietorship ☐ Other

12. **Number of Employees**
   - ☑ 0-20 ☐ 21-100 ☐ 101-250 ☐ 251-500 ☐ 501 and higher
   - ☑ Yes ☐ No

13. **Independently Owned and Operated?**

14. **Customer Role** (Proposed or Actual) – as it relates to the Regulated Entity listed on this form. Please check one of the following:
   - ☑ Owner
   - ☐ Operator
   - ☑ Owner & Operator
   - ☐ Responsible Party
   - ☐ Voluntary Cleanup Applicant
   - ☐ Other

15. **Mailing Address**:
   - 13511 Indian Hill Rd.

   - City: Amarillo
   - State: TX
   - ZIP: 79124

16. **Country Mailing Information** (if outside USA)

17. **E-Mail Address** (if applicable)

18. **Telephone Number**
   - (806) 371-0120

19. **Extension or Code**

20. **Fax Number** (if applicable)
   - ( ) -

SECTION III: Regulated Entity Information

21. **General Regulated Entity Information** (If "New Regulated Entity" is selected below this form should be accompanied by a permit application)
   - ☑ New Regulated Entity
   - ☐ Update to Regulated Entity Name
   - ☐ Update to Regulated Entity Information

   *The Regulated Entity Name submitted may be updated in order to meet TCEQ Agency Data Standards (removal of organizational endings such as Inc, LP, or LLC.)*

22. **Regulated Entity Name** (Enter name of the site where the regulated action is taking place.)
   - Diversified Waste Management
23. Street Address of the Regulated Entity: (No PO Boxes)

| 23. | 13511 Indian Hill Rd. |

| 24. County | Potter |

<table>
<thead>
<tr>
<th>25. Description to Physical Location:</th>
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<table>
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<th>30. Secondary SIC Code (4 digits)</th>
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<td>4953</td>
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<th>31. Primary NAICS Code (5 or 6 digits)</th>
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<tr>
<td>562219</td>
<td>562991</td>
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<tr>
<th>33. What is the Primary Business of this entity? (Do not repeat the SIC or NAICS description.)</th>
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<tr>
<td>Medical waste treatment, storage, and transfer</td>
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<table>
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<th>34. Mailing Address:</th>
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<tbody>
<tr>
<td>13511 Indian Hill Rd.</td>
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<tr>
<th>35. E-Mail Address:</th>
</tr>
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<table>
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<tr>
<th>36. Telephone Number</th>
<th>37. Extension or Code</th>
<th>38. Fax Number (if applicable)</th>
</tr>
</thead>
<tbody>
<tr>
<td>(806) 371-0120</td>
<td></td>
<td>( ) -</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>39. TCEQ Programs and ID Numbers Check all Programs and write in the permits/registration numbers that will be affected by the updates submitted on this form. See the Core Data Form instructions for additional guidance.</th>
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<tbody>
<tr>
<td>Dam Safety</td>
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<td>Municipal Solid Waste</td>
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<tr>
<td>Sludge</td>
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<tr>
<td>Voluntary Cleanup</td>
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**SECTION IV: Preparer Information**

<table>
<thead>
<tr>
<th>40. Name:</th>
<th>Jack Simmons</th>
<th>41. Title:</th>
<th>Geoscientist</th>
</tr>
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</table>

<table>
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<tr>
<th>42. Telephone Number</th>
<th>43. Ext./Code</th>
<th>44. Fax Number</th>
<th>45. E-Mail Address</th>
</tr>
</thead>
<tbody>
<tr>
<td>(512) 541-3131</td>
<td>( ) -</td>
<td></td>
<td><a href="mailto:jack.simmons@gdsassociates.com">jack.simmons@gdsassociates.com</a></td>
</tr>
</tbody>
</table>

**SECTION V: Authorized Signature**

46. By my signature below, I certify, to the best of my knowledge, that the information provided in this form is true and complete, and that I have signature authority to submit this form on behalf of the entity specified in Section II. Field 6 and/or as required for the updates to the ID numbers identified in field 39.

<table>
<thead>
<tr>
<th>Company:</th>
<th>Diversified Waste Management Inc.</th>
<th>Job Title:</th>
<th>Owner</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Name (In Print):</th>
<th>Signature:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Brian Borden</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Phone:</th>
<th>(806) 371-0120</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Date:</th>
<th>01/03/2020</th>
</tr>
</thead>
</table>
ATTACHMENT 18

FEE RECEIPT OR COPY OF CHECK
This e-mail transmission and any attachments are believed to have been sent free of any virus or other defect that might affect any computer system into which it is received and opened. It is, however, the recipient’s responsibility to ensure that the e-mail transmission and any attachments are virus free, and the sender accepts no responsibility for any damage that may in any way arise from their use.
ATTACHMENT 19

MANUFACTURER SPECIFICATIONS FOR WASTE MANAGEMENT UNITS
BOILER
REAR VIEW

SIDE VIEW

FRONT VIEW

DIMENSIONS SUBJECT TO CHANGE WITHOUT NOTICE
CONSULT FACTORY FOR CERTIFIED DRAWINGS

SHIPPING WEIGHT: 783 LBS

HURST BOILER and WELDING CO., INC.
P.O. BOX 266, HIGHWAY 259 S., GOUSKA, GA 30538
PHONE: 912-345-3324 FAX: 912-345-3374

STANDARD DUPLEX
150 PSI FEEDWATER SYSTEM
100 GALLON TANK, 100 HP

THIS DRAWING IS THE PROPERTY OF HURST BOILER AND WELDING CO., INC AND MAY NOT BE COPIED OR REPRODUCED IN ANY WAY UNLESS AUTHORIZED IN WRITING BY HURST BOILER AND WELDING CO., INC, AND MUST BE RETURNED UPON REQUEST.

R BY: DATE: CHK'D: REASON FOR CHANGE

SCALE: DIM BY: DATE: CHK'D BY: DRAWN BY: INCHES

24 DMC 1-1-59 HD NM-100-150
Series 400 Steam Boiler Sample Specifications (30-1500HP, 15-300 Psi)

1.0 Boiler Characteristics

1.1 The boiler shall be Hurst Boiler & Welding Co., Inc., Series 400 100 hp designed for 150 psig. The boiler operating pressure shall be 120 psi.

1.2 The boiler shall have a maximum output of 3,348,000 Btu/hr, or 100 boiler horsepower when fired with oil or natural gas. 1,000 Btu/cu. ft. Electrical power available shall be 480 volt 60 hz cycle 3 phase.

2.0 General Boiler Design

2.1 The boiler shall be a three-pass wetback horizontal firetube type boiler with five (5) square feet of fireside heating surface per rated boiler horsepower. It shall be mounted on a heavy steel frame with integral forced draft burner and burner controls.

2.2 The boiler shall be completely preassembled, and fire tested at the factory. The unit shall be ready for immediate mounting on floor or simple foundation and ready for attachment of water, fuel, electrical, vent, and blowdown connections.

2.3 The boiler shall be built to comply with the following insurance and codes: UL, GE GAP, and ASME CSD-1.

3.0 Pressure Vessel Construction

3.1 Pressure Vessel shall provide for heavy metal thickness for increased boiler life and have a 0.5" thick shell, 0.75" thick tube sheet, 0.625" thick rear turn around and 12 gauge (0.105") thick tubes.

3.2 The pressure vessel is built in strict accordance with ASME code section I and to latest year of issue and addendas. Manufacturer’s quality control department performs all tests of materials and fabrication with a licensed authorized inspector in accordance with the N.B.I.C. code. Completed pressure vessel is post weld heat-treated where required and shop hydrostatically tested to ASME code requirements and issued a national board number and an ASME P-2 data report which is furnished to the purchaser at time of shipment.

3.3 The boiler shall be furnished with four (4) 3" x 4" handholes in the boiler shell. One (1) 12" x 16" manhole is to be provided. Provide a plugged coupling in the front tube sheet to provide for furnace tube inspection. Two lifting lugs must be located on top of the boiler.
3.4 The front and rear doors shall be hinged and daved on units 60 HP and larger. Doors are to be sealed with heat resistant gaskets and fastened using lugs and brass nuts. Design doors so front and rear tube sheets and all flues are fully accessible for inspection and cleaning when doors are open.

3.5 Provide a baffle in the boiler shell below the main steam outlet flange to provide for dry steam with no water carry over. Provide a baffle at the feedwater inlet to temper the water.

3.6 Provide the boiler for future use as a hot water boiler by including all vessel connections and provisions for future addition of hot water supply and return piping with a baffled connection, temperature controls, safety relief valves, and temperature and pressure gauges.

3.7 The exhaust gas vent shall be located at the front of the boiler and be capable of supporting 2,000 pounds. The boiler vent shall include a locking blade damper and a stack thermometer.

3.8 Provide observation ports at each end of the boiler for inspection of flame conditions. Provide a plugged test port at the rear of the furnace for testing of furnace backpressure.

3.9 Unit shall be provided with minimum 2" thick mineral wool insulation. The boiler shall be lagged with a 22-gauge thick carbon steel jacket. The boiler jacket shall feature a bottom side primer of polyurethane resin base coat of .2 mil. dry finish thickness and a final coat of .4 mil. dry finish thickness and a final coat of .8 mil. dry finish thickness of valspar polyurethane resin based paint. The application of the paint is to be automated roller type and is to be oven dried. The exterior finish of the boiler jacket shall have a limited warranty by the manufacturer for five (5) years from date of manufacture for chalking, fade, peeling, or blistering.

3.10 The entire boiler base frame and other components shall be factory painted before shipment using a hard-finish enamel coating.

3.11 Boilers with furnace diameter exceeding 34" must have a corrugated furnace constructed of not less than 0.355" thick steel. Furnace heat release shall not exceed _____ btu per cubic foot of furnace volume. Provide a refractory plug in rear turn around for inspection and access to the furnace.

4.0 Steam Boiler Trim

4.1 Water Column
A water column shall be located on the right-hand side of the boiler complete with gauge glass set, and water column blowdown valve. Provide a gauge glass protector.
4.2 Low Water Cutoff
The low water cutoff shall be included and wired into the burner control circuit to prevent burner operation if the boiler water level falls below a safe operating level. Use a McDonnell & Miller 157 S.

4.3 Auxiliary Low Water Cutoff
Auxiliary low water cutoff shall be included and wired to the burner control circuit. A manual reset device shall be used on this control. Use a McDonnell Miller 750-MT-120.

4.4 Safety Valves
Safety valves of a type and size to comply with ASME Code requirements shall be shipped loose. Provide a drip pan elbow for each valve for installation by the installing contractor.

4.5 Steam Pressure Controls
The steam pressure control to regulate burner operation shall be mounted near the water column. Controls shall be a high limit (manual reset), operating limit (auto reset), and firing rate control. Provide auto low fire hold aquastat with high pressure well.

4.6 Boiler Valves

4.6.1 Provide a ¾” stainless steel chemical feed quill with a built-in check valve, factory mounted on boiler.

4.6.2 Provide a 316 stainless steel water sample cooler, factory mounted on boiler.

4.6.3 Provide factory mounted feedwater stop and check valves.

4.6.4 Provide factory mounted and piped bottom blowdown assembly including two (2) quick opening and one (1) slow opening blowdown valves, all piped to a common blowdown header discharge at the rear of the boiler.

4.6.5 Provide a top mounted surface blowdown assembly including a factory supplied and mounted skimmer tube, and an automatic surface blowdown controller which opens and closes a motorized valve based on intermittent operator selected intervals measuring the conductivity of the boiler water.

4.6.6 A factory supplied main steam valve group shall include a reducing spool piece, stop-check, angle non-return valve, a free blow tapping and test valve, and an O S & Y gate valve. All shall be factory hydro tested with the boiler and included on the ASME P6 data report.
5.0 Burner General

5.1 The combination burner shall be of the forced draft annular port flame retention type suitable for burning natural or manufactured gas and air atomizing burning No. 2 oil. The burner shall burn the specified quantity of fuel without objectionable vibrations, noise, or pulsation with no CO in the products of combustion. The burner shall meet < 30 ppm Nox while firing on natural gas utilizing flue gas recirculation technology. The burner shall be factory installed and wired, shall bear the listing mark of Underwriters Laboratories, Inc. evidencing compliance with the requirements of the UL-796 for gas burners and UL-296 for oil burners. The entire boiler and burner shall be factory fire tested prior to shipment with a copy of the fire test being supplied to the owner.

5.2 Burner Design
A burner fan shall furnish all combustion air, which shall be an integral part of the burner. The burner fan and motor shall be mounted below the horizontal centerline of the boiler for ease of maintenance and inspection. The burner air controls louver shall be of the low-pressure drop, inlet type to allow visual checking of the louver settings, and ease of cleaning or adjustment. The burner shall have an air flow safety switch to prove combustion flow. The burner shall have an interrupted gas-electric ignition system with a 6,000-volt ignition transformer. An observation port shall be provided in the burner to provide observation of both the pilot and main flame.

5.3 Gas Pilot
The gas pilot shall be the premix type with automatic electric ignition, complete with electronic flame scanner to monitor the pilot so the primary fuel valve cannot open until pilot flame has been established. The gas pilot train is to consist of shut-off cock, pressure regulator, and automatic gas valve.

5.4 Gas Train
The main gas train shall be mounted on the boiler and shall include the following: A manually operated gas cock at the inlet to the train, a gas pressure reducing regulator, a motorized automatic gas valve, a second automatic gas valve, and a manually operated leak test cock, pressure regulator, and automatic gas valve.

6.0 Fuel Oil System

6.1 Oil Pump
The oil pump set shall consist of an oil pump with a capacity of twice the firing rate of the boiler, and motor mounted on a base. The oil pump assembly shall also have the following: oil pressure relief valve, suction strainer, vacuum and pressure gauge, and motor starter. The oil pump assembly shall ship loose for field installation.
6.2 Oil Piping
The oil burner piping shall include automatic oil safety valve, oil metering valve, fuel filter, and all necessary piping, and linkages for full modulation operation, all mounted and piped on the unit. Pressure gauge shall be provided to indicate oil pressure and air atomizing pressure. The unit shall have a low air pressure switch interlocked to prevent burner operation in the event of air pressure failure.

6.3 Control Panel
The factory pre-wired control panel should be mounted on the burner proper or on the side of the boiler to allow for ease of maintenance and troubleshooting. The control panel shall contain the following items: Electronic flame safeguard, control circuit transformer, motor starter, control circuit fuse, numbered terminal strips, and indicating lamps for major functions. The control panel shall include a manual-automatic selector switch and a damper motor positioning switch to permit automatic firing in accordance with load demand or manual control of the firing rate at any desired point between low fire and maximum rate. Changeover from one fuel to the other shall be accomplished by flipping a switch. No burner adjustment or linkage change shall be necessary when going from one fuel to the alternate fuel. The electronic flame safeguard shall be complete with all necessary accessories and devices to control ignition and starting and stopping of the burner, to provide pre-combustion purge and post-combustion purge, and to shut down the burner on failure of ignition, pilot, or main flame by the electronic scanner.

6.4 Codes and Standards
The boiler shall be inspected by an authorized inspector and be registered with the National Board of Boiler and Pressure Vessel Inspectors. The packaged boiler shall carry an Underwriters Laboratory label “B.” The boiler-burner unit shall meet the requirements of U.L (U.L. or F.M. or GE Global).

7.0 Efficiency Guarantee

7.1 The boiler must be guaranteed to operate at a minimum fuel-to-steam efficiency of 85% at 100% of rating when burning natural gas and n/a fuel-to-steam efficiency at 100% firing rate when burning oil.

8.0 Warranty

8.1 All equipment is to be guaranteed against defects in materials and/or workmanship for a period of 12 months from date of shipment.
9.0 Execution

9.1 Tests
The packaged boiler must receive factory tests to check the construction, controls, and operation of the unit. The purchaser, if desired may witness all tests.

9.2 Start-up Service
After boiler installation is completed; the manufacturer shall provide the services of a field representative for starting the unit and training the operator at no additional costs. A factory approved and authorized start-up report shall be submitted to the customer/user at the time of start-up.
AUTOCLAVE PROCESSING UNIT
Mark-Costello Waste Sterilizers

- **Gravity OR Vacuum High Pressure Sterilizer Technology**
- **Designed for Low Maintenance and Low Operating Costs**
- **Pre-Treatment Shredding NOT Required**
- **MC Vapor Mist Proven Odor Control System**
- **Up to 3,000 lbs Capacity per Cycle Throughput**
- **Over 500 Clients Trust MC Sterilizers for Waste Sterilization**

**THE MARK-COSTELLO CO.**
**Systems and Solutions Since 1956**
## Waste Volume-System Capacities

### Standard Sterilizers

<table>
<thead>
<tr>
<th>Interior Dimensions</th>
<th>Number of Carts</th>
<th>Cubic Yards</th>
<th>Total Pounds/kgs Approx</th>
</tr>
</thead>
<tbody>
<tr>
<td>Model AS 23 2' diameter x 3' length</td>
<td>Hand Loaded</td>
<td>.333 cubic</td>
<td>50 pounds (22 kgs)</td>
</tr>
<tr>
<td>Model AS36 3' diameter x 6' length</td>
<td>Hand Loaded</td>
<td>1.5 cubic</td>
<td>225 pounds (102kgs)</td>
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<tr>
<td>Model AS47 4' diameter x 7' length</td>
<td>3 Standard Carts</td>
<td>3.0 cubic</td>
<td>450 pounds (204kgs)</td>
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<tr>
<td>Model AS58 5' diameter x 8' length</td>
<td>3 Standard Carts</td>
<td>3.75 cubic</td>
<td>565 pounds (256kgs)</td>
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<tr>
<td>Model AS510 5' diameter x 10' length</td>
<td>4 Standard Carts</td>
<td>5 cubic</td>
<td>750 pounds (340kgs)</td>
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<tr>
<td>Model AS513 5' diameter x 13' length</td>
<td>5 Standard Carts</td>
<td>6.25 cubic</td>
<td>938 pounds (425kgs)</td>
</tr>
<tr>
<td>Model AS515 5' diameter x 15' length</td>
<td>6 Standard Carts</td>
<td>7.5 cubic</td>
<td>1,125 pounds (510kgs)</td>
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<tr>
<td>AS515DD <strong>Double Doors</strong> 5' diameter x 15' length</td>
<td>3 High Volume Carts</td>
<td>7.5 cubic</td>
<td>1,125 pounds (510kgs)</td>
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<tr>
<td>Model AS520DD 5' diameter x 20' length</td>
<td>4 High Volume Carts</td>
<td>10 cubic</td>
<td>1,500 pounds (680 kgs)</td>
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<tr>
<td>Model AS525DD 5' diameter x 25' length</td>
<td>5 High Volume Carts</td>
<td>12.5 cubic</td>
<td>1,875 pounds (850 kgs)</td>
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<tr>
<td>Model AS530DD 5' diameter x 30' length</td>
<td>6 High Volume Carts</td>
<td>15 cubic</td>
<td>2,250 pounds (1,020 kgs)</td>
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<tr>
<td>Model AS620DD 6' diameter x 20' length</td>
<td>3 XL-High Volume Carts</td>
<td>12 cubic</td>
<td>1,800 pounds (816 kgs)</td>
</tr>
<tr>
<td>Model AS634DD 6' diameter x 34' length</td>
<td>5 XL-High Volume Carts</td>
<td>20 cubic</td>
<td>3,000 pounds (1,361 kgs)</td>
</tr>
</tbody>
</table>

*Carbon or Stainless Steel Vessels-Carts Include Heat Resistant Casters

*Waste based on 150 lbs. per yard-Carts heaped/mounded when loaded*

---

### Mark-Costello Standard Features....

- Exclusive Wedge-Lock Door Design
- Front Mounted Sump Drain
- Quadruple Door Lock Safety Mechanism
- Silicon Door Gasket
- U.L. Labeled Digital Recorder Controller
- Stainless Steel Basket Strainer
- MC-Condensate Assembly
- Fully Insulated

- **SAFE**  •  **RELIABLE**  •  **ECONOMICAL**  •  **DURABLE**
TYPICAL INSTALLATION ARRANGEMENTS
<table>
<thead>
<tr>
<th></th>
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<td>202</td>
<td>218</td>
<td>250</td>
<td>262</td>
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</tbody>
</table>
TUNNEL CONTAINER WASHER
Nord Sorenson

Standard Flow Thru Washer

Dimensions: 31' L x 7' W x 7' H Belt load height 37"

Wash and Rinse Area: 36" W x 48" H

Vestibules: 2' 6" Entry - 8' Wash - 3' Cell - 5' Rinse - 2' 6" Exit

Conveyor Belt: Heavy duty 36" W x 1" x 1" openings
100lbs per foot weight capacity

Conveyor Drive: Variable gear reduction 1-7/8" shafts, 0-10' per minute

Pumps: 2 ea. Vertical 15hp. 220v 3 phase
1 ea. Vertical 5hp 220v 3 phase rinse pump

Pump Capacity: 150gpm / 5hp 90gpm

Spray Manifolds: 4 – Top / 7 – Sides / 4 – Bottoms
2" Plumbing throughout

Spray Nozzles: 90 Stationary brass nozzles / 45-60 psi
30 Stationary brass nozzles 35-45 psi

"Good service is remembered long after the price is forgotten"
<table>
<thead>
<tr>
<th>Section</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>Spray Containment:</td>
<td>7 – Neoprene baffle curtains</td>
</tr>
<tr>
<td>Solution Heating:</td>
<td>Pic Heater</td>
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<tr>
<td></td>
<td>Steam Pressure must not exceed 125 psi or a regulator must be installed by customer</td>
</tr>
<tr>
<td>Electrical:</td>
<td>100-amp service required</td>
</tr>
<tr>
<td></td>
<td>Safety disconnect</td>
</tr>
<tr>
<td></td>
<td>Digital temperature gauge &amp; control</td>
</tr>
<tr>
<td></td>
<td>Emergency stops / entry and exit</td>
</tr>
<tr>
<td></td>
<td>Safety switch on inspection door</td>
</tr>
<tr>
<td></td>
<td>Automatic water fill</td>
</tr>
<tr>
<td></td>
<td>Low water shut off</td>
</tr>
<tr>
<td></td>
<td>Motors are double protected from overloads</td>
</tr>
<tr>
<td>Cabinet Construction:</td>
<td>7ga Steel insulated</td>
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<tr>
<td></td>
<td>1 ea. Cabinet inspection door</td>
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<tr>
<td>Tank Construction:</td>
<td>500 gallon reservoir (insulated)</td>
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<tr>
<td></td>
<td>350 gallon rinse reservoir (insulated)</td>
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<td></td>
<td>7ga Steel</td>
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<tr>
<td></td>
<td>Sloped bottom for sludge removal</td>
</tr>
<tr>
<td>Ecology Package:</td>
<td>2 ea. Manual sludge drag out chutes</td>
</tr>
<tr>
<td>Options:</td>
<td>Inline filter canister for wash pump</td>
</tr>
<tr>
<td></td>
<td>10' Extension in front</td>
</tr>
<tr>
<td></td>
<td>UHMW belting strips</td>
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<tr>
<td></td>
<td>Built in Steam exhaust</td>
</tr>
<tr>
<td></td>
<td>3 ea. guide rails</td>
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<tr>
<td></td>
<td>6 ft extension front and rear</td>
</tr>
<tr>
<td>Shipping Weight:</td>
<td>6,121 lbs. F.O.B. Wichita, KS 67213</td>
</tr>
</tbody>
</table>
WASTE SHREDDER
Vecoplan New Generation VAZ Shredders

The New Generation VAZ
Vecoplan’s tradition of unrivaled quality, service and innovation continues with the latest in our line of low speed, high torque single shaft rotary shredders - the "New Generation" VAZ models.

Vecoplan’s New Generation shredders incorporate a wide range of innovations that improve performance, increase durability and decrease maintenance time. These features and options include:

- Cardan Shaft Drives
- Double Sidewalls
- Reversible Counter Knives
- Rotatable Screens
- Optional Hydraulic Swing-Up Screen Carriages
- Optional Externally Adjustable Counter Knives.

Innovative Features - Standard

Cardan Shaft Direct Drive
The unique and innovative cardan shaft drive replaces the traditional belt drive system. This direct drive system eliminates drive belts, lowers maintenance costs and decreases overall machine and machine base widths, provides vast improvements in efficiency, operation and maintenance:

- Lower maintenance costs and no tensioning of the 'V-Belt'
- No risk of alignment failure
- No wear on the belt drive, eliminating the risk and cause of many fires
- Machine width is reduced giving the same capacity machine with a smaller footprint.
- Maintenance and clean-up around the base of the machine is simpler
Reversible counter knives located in the bed of the cutting chamber deliver twice the life while cutting replacement costs in half. No need to replace bedknives when they begin to wear - simply flip them to expose a completely new cutting surface.

**Double Side Walls**

The double side wall design significantly reduces wear and abrasion on the machine by putting a gap between the end of the rotor and the machine side wall. The gap is sized to prevent material from getting stuck in between the rotor and the machine housing while also allowing any material that does get in there to easily fall-out or be removed during clean-out.

- Higher operational reliability and lower wear costs.
- Screwed wear rings at the rotor and in the side wall simplifies their replacement.
- No smearing of material between the two surfaces reduces risk of fire.
- No thermal transfer between the rotor and the bearings.
- Considerably easier and quicker clean-out.

**Reversible Bed Knife**

Reversible counter knives located in the bed of the cutting chamber deliver twice the life while cutting replacement costs in half. No need to replace bedknives when they begin to wear - simply flip them to expose a completely new cutting surface.
Heavy shelf over ram cavity to protect hydraulic cylinders from impact.

Heavy dual cushioned hydraulic cylinders to advance process ram. Cylinders are secured with reinforced, vibration dampening clamps.

Hardox™ “Process ram” provides precision feed of material to cutting rotor. Ram quickly adjusts to different load variables to maximize processing efficiency.

Anvil has a replaceable counter knife plate with close tolerance profile. The anvil stabilizes and anchors the grinding process.

High quality, double row, self-aligning spherical pendulum roller bearings mounted outboard for ease of maintenance and prevention of contamination.

Flanged discharge to accommodate an assortment of pneumatic and mechanical conveyance systems.

Double sidewalls prevent bearing contamination and sidewall wear.

Hinged clean-out access doors with safety switches to access screen and cutting rotor for machine maintenance.

Oversized, shaft-mounted reduction gearbox rated with extreme-duty service and safety factors.

Optional hydraulic assisted screen carriage for quick and easy screen changes and simplified maintenance.

Quick change oversized ram guide rails are removable from the exterior of the machine.

Hinged clean-out access doors with safety switches to access screen and cutting rotor for machine maintenance.

Heavy side walls, braces and reinforcements robotically welded for stress-free construction.

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Optional hydraulic assisted screen carriage for quick and easy screen changes and simplified maintenance.

Quick change oversized ram guide rails are removable from the exterior of the machine.
Innovative Options

Swing-Up Screens
Hydraulic swing-up screen carriages provide quick and easy access to rotor for cutter replacements, tramp metal removal, and other routine maintenance. Rotatable screens can be turned 180° increasing wear life by a factor of 1.5.

- Simple route to the heart of the machine
- Quick access to replace cutters
- Fast screen changes

Externally Adjustable Bed Knife
Externally adjustable counter knives allow you to maintain optimal cutting tolerances quickly and easily. This is especially beneficial when shredding thin materials.

- Increased capacity
- Reduced wear costs
- Safer operation when processing thin material
### SPECIFICATIONS

<table>
<thead>
<tr>
<th>Model Number</th>
<th>VAZ 1300 S</th>
<th>VAZ 1300 M</th>
<th>VAZ 1300 M XL</th>
<th>VAZ 1300 L</th>
<th>VAZ 1600 S</th>
<th>VAZ 1600 S XL</th>
<th>VAZ 1600 M</th>
<th>VAZ 1600 M XL</th>
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</thead>
<tbody>
<tr>
<td>Hopper Opening (inch)</td>
<td>52 x 58</td>
<td>52 x 58</td>
<td>52 x 58</td>
<td>52 x 68</td>
<td>62 x 58</td>
<td>62 x 58</td>
<td>62 x 68</td>
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<tr>
<td>Hopper Volume (Cu. yards)</td>
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<td>3.75</td>
<td>3.75</td>
<td>4.5</td>
<td>4.5</td>
<td>4.5</td>
<td>6.4</td>
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<td>Rotor Diameter (inches)</td>
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<td>15</td>
<td>15</td>
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<td>15</td>
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<tr>
<td>No. of Cutters (qty)</td>
<td>37 / 60 (40x40)</td>
<td>37 / 60 (40x40)</td>
<td>37 / 60 (40x40)</td>
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<td>42 / 74 (40x40)</td>
<td>42 / 74 (40x40)</td>
<td>42 / 74 (40x40)</td>
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<td>120 - 145</td>
<td>120</td>
<td>100 - 145</td>
<td>80-200</td>
<td>80-200</td>
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<td>Drive Motor HP (HP)</td>
<td>60 - 100</td>
<td>60 - 150</td>
<td>100</td>
<td>60 - 100</td>
<td>75, 125, 150</td>
<td>60 - 150</td>
<td>125 - 150</td>
<td></td>
</tr>
<tr>
<td>Feed System (HP/Speed)</td>
<td>3-5 / 2</td>
<td>3-5 / 2</td>
<td>3-5 / 2</td>
<td>3-5 / 2</td>
<td>10/2</td>
<td>10/2</td>
<td>10/2</td>
<td>10/2</td>
</tr>
</tbody>
</table>

*For machines equipped with swing-up carriage option, add 18 inches.*

Vecoplan New Generation VAZ Shredders
In accordance with your Purchase Order Number _________________ and based on the information discussed, Vecoplan, LLC is pleased to confirm your order of the following equipment and services:

**Application Description:** Provide a factory refurbished Vecoplan shredder to process up to 2,400 pounds per hour of assorted and treated waste (including sharps and sharps containers) products from a customer-supplied autoclave. A screen size of 2” is required. Any large tramp metals will cause shredder stops and possible damage.

<table>
<thead>
<tr>
<th><strong>Vecoplan Shredder VAZ 1300-M-XL</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Infeed Hopper opening</strong></td>
</tr>
<tr>
<td><strong>Machine Cutting Area</strong></td>
</tr>
<tr>
<td><strong>Rotor Size</strong></td>
</tr>
<tr>
<td><strong>Rotor Bearings</strong></td>
</tr>
<tr>
<td><strong>Sidewall Configuration</strong></td>
</tr>
<tr>
<td><strong>Infeed System</strong></td>
</tr>
<tr>
<td><strong>Material Containment</strong></td>
</tr>
<tr>
<td><strong>Roto</strong>r</td>
</tr>
<tr>
<td><strong>Rotor Cutters</strong></td>
</tr>
<tr>
<td><strong>Stationary Cutters</strong></td>
</tr>
<tr>
<td><strong>Drive System</strong></td>
</tr>
<tr>
<td><strong>Standard Rotor Drive</strong></td>
</tr>
<tr>
<td><strong>Ram Drive Motor HP</strong></td>
</tr>
<tr>
<td><strong>Voltage</strong></td>
</tr>
<tr>
<td><strong>Safety Consideration</strong></td>
</tr>
<tr>
<td><strong>This machine is fitted with Vecoplan’s exclusive rotating rotor end plates and double-walled cutting chamber.</strong> This feature prevents material from rubbing against the inner sidewalls and creating excessive friction which can result in a fire hazard or sidewall wear.</td>
</tr>
</tbody>
</table>

**XL-Series Package**

- This unit has the Vecoplan XL-Series machine frame package. This machine includes an oversized 20” diameter cutting rotor, easy-access screen doors, thicker sidewalls, heavier reinforcing in the floor, ram and gussets and larger gearbox and hydraulics.

**Machine Status**

- Stock # V4636 was manufactured in 2017 as standard, non-medical waste unit. Prior to delivery, it will be fully refurbished, retooled, painted and tested. Vecoplan’s standard Medical Waste package is not included.
<table>
<thead>
<tr>
<th>System / Unit</th>
<th>Design / style</th>
<th>Type / Model</th>
<th>Component / parameters</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Shredder</td>
<td>MDU Tech Services</td>
<td>20 X 20 Medical waste</td>
<td>HP Rating, Reversible, Knife Thickness, Punched screen, Belts, Electrical Power Req.</td>
<td>20 Hp, Yes, 1.17, 2.2 - 4.0 In round holes, zero clearance, 4 dodge 5Vx850 belts, 480 VAC / 60Hz / 3 phase</td>
</tr>
</tbody>
</table>
WASTE COMPACTOR
Clean-Pak™ Series
Self-Contained Compactor

Ideal for food waste recycling

Clean-Pak™ Compactor
• Ideal for food recycling and medical waste applications
• Leading 5 year structural warranty
• 2 year parts warranty
• 1 year labor warranty

Food Recycling
• Clean and safe when servicing
• Shielded hydraulic cylinders and hoses
• Eliminates cleaning behind the ram
• Lasts longer

Medical Waste
• No contact with Blood Borne Pathogens (BBP)
• Prevents needle sticks

Advantages
• Safer for personnel when performing maintenance
• Never clean behind the ram again
• Hydraulic cylinders and hoses last longer

Easily accessible shielded hydraulic cylinders and hoses
Pivoting ram eliminates build up behind ram and is ideal for food recycling
Clean out port and internal hydraulic spill reservoir
Clean-Pak™ Compactor Specifications

FEATURES

STANDARD
- Guardian Control System
- Automatic Maintenance Scheduler (AMS)
- NEMA 4 enclosure
- Controls in panel face
- 5-year structural warranty
- 38-second cycle time
- Full container light
- Low temperature oil
- Multi-cycle timer
- Operational and service manual
- Primed and painted in several colors

OPTIONS
- Advance warning light
- Pressure gauge - color coded
- Controls on remote pendant in lieu of mounting in panel face
- Guide rails with stops
- Oil heater
- Photo electric eye
- Odor control system
- Container lifter

SPECIFICATIONS

<table>
<thead>
<tr>
<th>Models</th>
<th>CP model (cu. yds.)</th>
<th>Overall length (A) (in.)</th>
<th>Container length (B) (in.)</th>
<th>Overall height (C) (in.)</th>
<th>Floor length (D) (in.)*</th>
<th>Width (in.)</th>
<th>Weight (lbs.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>20</td>
<td>208</td>
<td>110</td>
<td></td>
<td>100</td>
<td>207</td>
<td>102</td>
<td>8,550</td>
</tr>
<tr>
<td>25</td>
<td>238</td>
<td>140</td>
<td></td>
<td>237</td>
<td>8,900</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

STANDARD
- Guardian Control System
- Automatic Maintenance Scheduler (AMS)
- NEMA 4 enclosure
- Controls in panel face
- 5-year structural warranty
- 38-second cycle time
- Full container light
- Low temperature oil
- Multi-cycle timer
- Operational and service manual
- Primed and painted in several colors

OPTIONS
- Advance warning light
- Pressure gauge - color coded
- Controls on remote pendant in lieu of mounting in panel face
- Guide rails with stops
- Oil heater
- Photo electric eye
- Odor control system
- Container lifter

SPECIFICATIONS

Charge Box
- Wastequip rating - 1.5 cubic yards
- Wastec rating - 1.0 cubic yards
- Clear top opening - 36” Length x 39” Width

Ram
- 3/16” Domex steel with engineered structural reinforcements

Compactor Head
- Floor - 3/16” Domex steel 6” x 2” x 1/4” tube supports
- Sides - 3/16” steel plates with formed steel supports
- Sump - 12” height
- Side access panels, 12 ga, removable
- Pivotal wear UHMW collars

Electrical
- Electric motor - 10 hp TEFC (Totally Enclosed Fan Cooled)
- Voltage - 208/230/460, 3 phase, 60 HZ (optional 575V)
- Power box - NEMA 4 rated, UL listed
- Automated cycle operation - push start button-ram extends, retracts and stops automatically

Hydraulic Specifications
- Pump - 9.4 gpm
- Ram penetration - 3”
- Cycle time - 38 seconds
- Hydraulic cylinder - (2), cylinder bore - 3.5”
- Cylinder rod - 2.0”
- Hydraulic oil tank - 25 gallon reservoir
- Power unit location - remote

Hydraulic Performance
- Ram face pressure
  - Normal - 27,500 lbs
  - Maximum - 30,400 lbs
- Ram psi Face Pressure
  - Normal - 21.75 psi
  - Maximum - 24.11 psi
- Operating pressure
  - Normal - 1,850 psi
  - Maximum - 2,050 psi

Container
- 7 gauge floor with 3” channel crossmember
- 6” x 2” x 1/4” tube rails, 36-1/2” I.D. between rails
- Solid steel bullnose and hook at both ends
- 4” diameter rollers, 4-1/2” long
- Length, Width and Height – see chart above

Standard Color Choices*

<table>
<thead>
<tr>
<th>Colors</th>
<th>Colors</th>
<th>Colors</th>
<th>Colors</th>
<th>Colors</th>
<th>Colors</th>
<th>Colors</th>
<th>Colors</th>
</tr>
</thead>
<tbody>
<tr>
<td>White</td>
<td>Gray</td>
<td>Black</td>
<td>Teal</td>
<td>Med. Blue</td>
<td>Dark Blue</td>
<td>Med. Green</td>
<td>Dark Green</td>
</tr>
<tr>
<td>Cream</td>
<td>Yellow</td>
<td>Orange</td>
<td>Red</td>
<td>Burgundy</td>
<td>Brown</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Colors shown are as accurate as printing allows. The actual color is subject to variation from the printed color sample. Color choices vary by plant location. Please contact your local sales representative for available colors. Custom colors are available upon request and are subject to an additional charge.

Wastequip is the leading North American manufacturer of waste and recycling equipment for collecting, processing and transporting recyclables and solid or liquid waste. April 2017 © Wastequip, all rights reserved. Specifications subject to improvement without notice. Equipment displayed should be operated by properly trained personnel. Operators should become familiar with OSHA, ANSI and any other applicable standards or laws for using this equipment. Improper use, misuse, or lack of maintenance could cause injury to people and/or property. Photos used in the literature are illustrative only. We assume no liability or responsibility for proper training/operation of equipment not manufactured by Wastequip. We reserve the right to make changes at any time without notice. Information contained within this literature is intended to be the most accurate available at time of printing.
WASTE CONVEYOR
ENDURA-VEYOR MODEL 600-STYLE D CONVEYOR SPECIFICATIONS:

* SLIDER BED BELT CONVEYOR (MODEL 600, STYLE D)
* FRAME CONSTRUCTION: 10 GAUGE BOLT-TOGETHER
* PULLEY DIAMETER: 6 IN. DIAMETER
* LOWER HORIZONTAL: 8.0 FT. LG.
* INCLINE: 7 FT. LG.
* UPPER HORIZONTAL: 2.5 FT. LG.
* 45 DEGREE CURVE
* EFFECTIVE WIDTH: 18 IN.
* BELT: BLACK RMV 150 COS
* CLEATS: HD 2-IN RECYCLER CLEATS @ 12 IN. CENTERS
* SIDE SKIRTS: 6 IN. HIGH TOB
* BELT SIDEGUIDES: YES
* BELT RETURNS: BOTTOM COVERS - SEALED
* PAINT COLOR: EVI SAFETY BLUE (LEGS ONLY)
* BELT SPEED: 120 FPM, FIXED SPEED
* DRIVE MOUNT/SIDE: SHAFT MOUNT, LEFT HAND SIDE
* DRIVE: 2 HP, 480V/3PH 60 HTRZ
* LIVE LOAD CAPACITY: 261 LBS. @ FIXED SPEED
* INFEED HEIGHT: 4 IN. (BOF)
* DISCHARGE HEIGHT: 85 IN. (BOF)
* CONVEYOR SUPPORT PROVIDED
* ADDITIONAL FEATURES:
  - UHMW BED RAILS
  - BELT PRODUCT GUIDES
  - GRINDER STYLE INFEED HOPPER W/ COVER (NO FLAIR)
  - HINGED DISCHARGE HOOD (SIM TO 76187)
  - STAINLESS STEEL ROLLER AND PULLEY PACKAGE
  - STAINLESS STEEL FRAME PACKAGE
  - WASH DOWN DRIVE
  - TAKE UP ADJ. FACING REAR OF CONVEYOR

**MAX LIVE LOAD = 254 POUNDS**
AUTOCLAVE CART TIPPER
**STRUCTURAL**
- Tipper Legs: 4” x 6” x 1/4” structural tubing
- Tipper Arms: 2 - reinforced 3/4” plates
- Anchoring Plates: 3/4” plate
- Pivot Shaft: 3” cold rolled rod

**PERFORMANCE**
- Cycle Time: 35 sec.
- Motor HP: 10 HP
- Hydraulic Pump: 10 GPM
- Hydraulic Cylinders: Two (2) 4.5” Bore w/ 2.5” Rods
- Cylinder Stroke: 25” (varies per application)
- Cylinder Cushions: Furnished, at both rod & piston ends
- Pressure: 1350 PSI
- Load Weight Capacity: 4500 lbs.
- Controls: Manual-Valve Stem
WASTEWATER CONTAINER
DOUBLE WALL TANK SYSTEMS

THE ENGINEERED DIFFERENCE IN TANKS

P: 402.467.5221
F: 402.465.1220
www.snydernet.com
sales@snydernet.com
DOUBLE WALL TANK SYSTEMS

CAPTOR CONTAINMENT SYSTEM

protects bulk storage profits without jeopardizing safety or the environment

- **Flanged Outlets** and other fitting designs can be securely fastened and sealed to many of the large flat areas located on the top section of the tank (optional).

- **Vent Assemblies** are available in a variety of sizes to relieve vacuum and pressure.

- **Fill and/or Draw Pipe Assemblies** can be installed to facilitate different material loading or un-loading requirements (optional).

- **U.F.O. (Unified Fitting Outlet)** is uniquely designed to mechanically seal fitting outlet through both the inner and outer tank walls. Material unloading is easier and more cost effective than pumping contents from the top of the tank (optional).

Bolted and Threaded Manways are available in sizes up to 24”. Standard size is an 18” threaded manway.

OSHA Compliant Ladders are available with and without cages in fiberglass and steel construction.

Molded in Tie-Down Lugs interface with optional cable restraint system to meet seismic and 150 mph wind load requirements.


Double Wall Tank Construction encloses and interlocks outer and inner tank to prevent rain, snow, and debris from entering outer containment tank.

### SPECIFICATIONS

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Gallons</th>
<th>Diameter</th>
<th>Height</th>
</tr>
</thead>
<tbody>
<tr>
<td>50400/50300</td>
<td>550</td>
<td>76”</td>
<td>65”</td>
</tr>
<tr>
<td>54700/54500</td>
<td>1,100</td>
<td>76”</td>
<td>104”</td>
</tr>
<tr>
<td>54900/54600</td>
<td>1,550</td>
<td>76”</td>
<td>136”</td>
</tr>
<tr>
<td>55700/55000</td>
<td>2,000</td>
<td>102”</td>
<td>103”</td>
</tr>
<tr>
<td>55800/55100</td>
<td>2,500</td>
<td>102”</td>
<td>122”</td>
</tr>
<tr>
<td>55900/55200</td>
<td>3,000</td>
<td>102”</td>
<td>142”</td>
</tr>
<tr>
<td>56000/55300</td>
<td>3,500</td>
<td>102”</td>
<td>158”</td>
</tr>
<tr>
<td>56100/55400</td>
<td>4,000</td>
<td>102”</td>
<td>178”</td>
</tr>
<tr>
<td>56200/55500</td>
<td>4,500</td>
<td>102”</td>
<td>197”</td>
</tr>
<tr>
<td>56300/55600</td>
<td>5,000</td>
<td>102”</td>
<td>216”</td>
</tr>
<tr>
<td>56600/56400</td>
<td>5,500</td>
<td>120”</td>
<td>172”</td>
</tr>
<tr>
<td>56700/56500</td>
<td>6,500</td>
<td>120”</td>
<td>199”</td>
</tr>
<tr>
<td>10064/10065</td>
<td>8,700</td>
<td>142”</td>
<td>197”</td>
</tr>
<tr>
<td>10066/10067</td>
<td>10,000</td>
<td>142”</td>
<td>226”</td>
</tr>
<tr>
<td>10311/10312</td>
<td>12,500</td>
<td>142”</td>
<td>274”</td>
</tr>
</tbody>
</table>

Tank Material Options:
High Density linear polyethylene (HDLPE) or cross-linked polyethylene (XLPE).

All Snyder specific gravity ratings meet or exceed ASTM D-1998. Consult your Snyder representatives on material construction recommendations for your company’s particular application.

### ACCESSORIES

- **Leak Detection Sensor**
- **Level Indicator**
- **Temperature Maintenance**
- **Multiple Manway Options**
- **Transition Fitting**
- **Seismic Restraints & Ladders**
DOUBLE WALL TANK SYSTEMS

DUAL CONTAINMENT TANK SYSTEMS

ideal for mini-bulk chemical delivery programs

Top Draw-Tube Assembly enables material contents to be safely dispensed from the top of the tank (optional).

Optional Vent provides pressure and vacuum relief for interior tank.

Available in XLPE and HDLPE resin packages.

Transition Fitting allows sidewall safe installation and long-term sealing power through both walls of tank (optional).

Forklift Channels are available on 275, 360 and 500 gallon sizes.

Flat Surface Areas provides ample space on top for a variety of fitting sizes and styles.

Two Tanks within one design provide double-wall protection.

Narrow Diameter provides location versatility in that it can fit through most any doorway on sizes up to 250 gallons.


Molded in Tie-Down Lugs interface with optional cable restraint system to meet seismic and 150 mph wind load requirements.

All Other Snyder Industrial Product Fittings and accessories are available wherever applicable.

SPECIFICATIONS

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Gallons</th>
<th>Diameter</th>
<th>Height</th>
<th>Lid</th>
</tr>
</thead>
<tbody>
<tr>
<td>1000112N--</td>
<td>35</td>
<td>22”</td>
<td>36”</td>
<td>6”</td>
</tr>
<tr>
<td>5680002N--</td>
<td>60</td>
<td>26”</td>
<td>41”</td>
<td>14”</td>
</tr>
<tr>
<td>5700102N--</td>
<td>120</td>
<td>34”</td>
<td>51”</td>
<td>14”</td>
</tr>
<tr>
<td>5710102N--</td>
<td>150</td>
<td>34”</td>
<td>62”</td>
<td>14”</td>
</tr>
<tr>
<td>5990502N--</td>
<td>250</td>
<td>34”</td>
<td>83”</td>
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<td>5740102N--</td>
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<td>47”</td>
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<td>5760102N--</td>
<td>360</td>
<td>53”</td>
<td>63”</td>
<td>18”</td>
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<tr>
<td>5780102N--</td>
<td>500</td>
<td>53”</td>
<td>81”</td>
<td>18”</td>
</tr>
<tr>
<td>5990102N--</td>
<td>1000</td>
<td>81”</td>
<td>69”</td>
<td>18”</td>
</tr>
<tr>
<td>5990302N--</td>
<td>1500</td>
<td>93”</td>
<td>77”</td>
<td>18”</td>
</tr>
</tbody>
</table>

Tank Material Options:
High Density linear polyethylene (HDLPE) or cross-linked polyethylene (XLPE).

ACCESSORIES
DOUBLE STRENGTH PROTECTION
Protect your liquid assets

Regulation is becoming increasingly stringent in the formulation and enforcement of chemical containment legislation. Berm and tank-in-a-basin containment systems, thought to be modern, are now found to be inadequate and not compliant.

There is an answer. Snyder’s polyethylene tanks with secondary containment systems can safely store a wide range of hazardous chemicals. Our double wall (tank-in-a-tank) designs are being increasingly utilized as a supplement or alternative to secondary containment requirements. The design features built into Snyder’s Captor and Mini-Captor Tank Systems increase safety and protect the environment without jeopardizing your profits.

Consider the Benefits...
- Tank-in-a-tank design provides TOTAL containment protection in one space-saving unit.
- The system consists of a primary tank with a secondary outer containment tank with a capacity of 115%-120% of the inner tank’s capacity, exceeding EPA standards.
- Double-wall construction is completely enclosed so that external matter such as rainwater, snow and debris is prevented from collecting in the outer containment tank making it ideal for outdoor chemical storage.
- Shipped fully-assembled on either a standard or wide-load flatbed trailer which reduces field assembly costs.
- Available in sizes ranging from 35 to 12,500 gallons.
- Available in High Density Linear Polyethylene (HDLPE) or Cross Link Polyethylene (XLPE) construction. Having a choice provides ultimate chemical compatibility and performance.
- Tanks designed with wall thickness equal to or greater than ASTM D-1998 standards.

Your Snyder Double Wall Tank can be customized with these options...
- Seismic restraint system.
- 150 MPH wind load restraint system.
- Ultrasonic level indicators.
- Leak detection sensors.
- Heat tracing and insulation.
- OSHA compliant ladders (550-12,500 gallon sizes).
- Variety of manway sizes and styles.
- Bottom sidewall outlets.
- Top inlet connections and vents.

Whether you are a manufacturer or distributor, Snyder Industries can help you improve the function, economics and performance of your company’s bulk handling systems.
*ALL EXTERNAL PIPING MUST BE INDEPENDENTLY SUPPORTED.
*ONLY BASE FITTINGS TO BE LEFT INSTALLED AT TIME OF SHIPMENT PER SII PROCEDURE.
*TANKS ORDERED WITH FOAM INSULATION WILL HAVE AN INCREASED DIAMETER OF 4-6 INCHES.
*Consult Snyder's Guidelines for Use and Installation prior to delivery.


ALL DIMENSIONS ON ROTATIONAL MOLDED PARTS ARE SUBJECT TO ± 3% TOLERANCE.
Options & Features:
- eTrack
- Produce Chutes
- Roll up Doors
- Swing Doors

Standards Lengths:
- 28, 32, 36, 40, 42, 43, 48, 53 Feet

Widths: 96-102 Inches

Heights: 12.5-13.5 Feet

<table>
<thead>
<tr>
<th></th>
<th>48' Reefer</th>
<th>53' Reefer</th>
</tr>
</thead>
<tbody>
<tr>
<td>Overall Length</td>
<td>48'</td>
<td>53'</td>
</tr>
<tr>
<td>Inside Length</td>
<td>46'6&quot;</td>
<td>51'6&quot;</td>
</tr>
<tr>
<td>Overall Height</td>
<td>13'6&quot;</td>
<td>13'6&quot;</td>
</tr>
<tr>
<td>Inside Height</td>
<td>103.5&quot;</td>
<td>103.5&quot;</td>
</tr>
<tr>
<td>Door Opening</td>
<td>101.8&quot; H 98.3&quot; W</td>
<td>101.8&quot; H 98.3&quot; W</td>
</tr>
<tr>
<td>Overall Width</td>
<td>102&quot;</td>
<td>102&quot;</td>
</tr>
<tr>
<td>Inside Width</td>
<td>97&quot; at scuff</td>
<td>97&quot; at scuff</td>
</tr>
<tr>
<td>Coupler Height</td>
<td>47&quot;</td>
<td>47&quot;</td>
</tr>
<tr>
<td>Dock Height</td>
<td>51.5&quot;</td>
<td>52.2&quot;</td>
</tr>
<tr>
<td>Max Cargo Weight</td>
<td>44,000 LBS</td>
<td>43,500 LBS</td>
</tr>
<tr>
<td>Max Pallets</td>
<td>24</td>
<td>26</td>
</tr>
</tbody>
</table>

Max Cargo Weight: 44,000 LBS, 43,500 LBS
Max Pallets: 24, 26

Revision Date: March 12, 2020
NOTES:

1. GENERAL CONSTRUCTION DETAILS – NOT INTENDED FOR CONSTRUCTION PURPOSES –
   FOR PERMITTING PURPOSES ONLY

2. COVER GRATE WILL BE PLACED ON 1" MINIMUM Ledge.

FOR PERMITTING PURPOSES ONLY

TRENCH FLOOD DRAIN GENERAL CONSTRUCTION DETAILS
DIVERSIFIED WASTE MANAGEMENT, INC.
AMARILLO, TEXAS
NOTES:
1. GENERAL CONSTRUCTION DETAILS - NOT INTENDED FOR CONSTRUCTION PURPOSES - FOR PERMITTING PURPOSES ONLY
2. RAMP SLOPE IS APPROXIMATED.

FOR PERMITTING PURPOSES ONLY
ATTACHMENT 20

SECTION 5 – OTHER SITE OPERATING PLAN, FINANCIAL ASSURANCE, AND CLOSURE REQUIREMENTS
ATTACHMENT 20A

FIRE PROTECTION PLAN
This Fire Protection Plan describes methods for fire protection, procedures for using the fire protection equipment and employee training and safety procedures pursuant to §326.75(f) of Title 30, Part 1 of the Texas Administrative Code. The owner/operator has coordinated with the local Fire Department to ensure that fire detection procedures and firefighting equipment complies with the local fire codes. A copy of this Plan will be made available to the Fire Department and other emergency response agencies. The owner/operator and the Fire Department will meet on an as-needed basis in order to keep the Fire Department updated on Facility procedures and operations, and to ensure that the Facility is operated in accordance with local fire codes.

2.0 Fire Prevention

- Burning will not be permitted at this Facility.
- Smoking will not be permitted in the waste transfer, storage, or processing areas at this Facility.
- Incoming loads and waste storage units will be routinely inspected for evidence of smoke, ashes, smoldering, (i.e., “hot loads”).

3.0 Fire Protection Equipment

The following equipment is available on-site for fire-fighting activities:

- Properly-sized fire extinguishers
- Hose/water source
- Onsite fire water container

The Facility will have properly-sized and -spaced fire extinguishers located throughout the building. These fire extinguishers are typically 5-pound ABC type extinguishers and will be inspected and tagged per vendor specifications. Fire extinguishers will be fully charged and ready for use at all times. Each extinguisher will be installed and maintained properly. Deficient extinguishers will be recharged or replaced if identified as inoperable.

An adequate supply of water under pressure will be provided to the Fire Department, as needed. A standard water hose will be available at the Facility for fire extinguishing. The Fire Department will be the first responder of fire protection.
4.0 Employee Training and Safety Procedures

All employees will be trained in the content and use of this Fire Protection Plan, and this Plan will be part of new employee orientation. In addition, a fire drill will be conducted at least once annually. The fire drill will include instructions outlining firefighting rules, the proper procedures for fire extinguisher use and capabilities, evacuation procedures, and proper procedures for notification of the local fire department and key personnel.

5.0 General Procedures for Fire-fighting

A fire could potentially occur at the Facility via a number of mechanisms. Potential scenarios for fires include ignition of equipment while operating, vehicle fires, etc. In the event of a fire, the following procedures will be implemented:

1. The person who identifies the fire will call 911 to notify the Fire Department. Provide the following information:
   - Facility Name: Diversified Waste Management
   - Address: 13511 Indian Hill Rd.
   - Nearest Cross Street: Indian Hill Rd./Dowell Rd.
2. Alert Facility personnel and evacuate, if necessary
3. Call the Emergency Coordinator (EC) or his designee if not already present. Once the EC arrives, the EC will take control of emergency operations; until then, the employee who has identified the fire and initiated emergency response procedures will continue to control the situation. EC contact information:
   - Name: Shane Ward
   - Phone: 806-371-0120
4. Cease all operations, turn off/unplug equipment as possible, and evacuate the building using the closest exit and meet at designated assembly point. Conduct a head count at the assembly point location to ensure all on-site employees, visitors, vendors, etc. can be accounted for.
5. Assess the extent of the fire and possibilities for extinguishing the fire with onsite equipment. Never attempt to fight a fire alone.
6. If safe, attempt to contain or extinguish the fire with on-site fire protection equipment until the Fire Department arrives.
7. Isolate burning materials, if possible.
8. Collection vehicles carrying waste which has ignited will be directed immediately to an isolated area away from the building. If possible, the vehicle will be unloaded in order to identify the fire source and extinguish using water hoses or fire extinguishers.
9. If a fire extinguisher is used, implement the "PASS" method:
   - Pull the pin,
   - Aim at the fire,
   - Squeeze the trigger,
   - Sweep from side to side to extinguish the fire.
   Never turn your back on a fire.
10. Facilitate Fire Department access to the Facility grounds and building.
11. Personnel not actively involved in fire control operations will be restricted from the area of the fire until it is extinguished, and the area is determined to be safe.
12. Document the incident and keep a copy in the Facility Operating Record.
ATTACHMENT 20B

HEALTH AND SAFETY PLAN
Diversified Waste Management, Inc.

Health & Safety Plan Overview

Diversified Waste Management Inc. (DWM) policy is that all employees be provided with a safe and healthful place of employment in accordance with 29 CFR 1910 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

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.
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.

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.

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.

Access to Employee Exposure & Medical Records

Whenever an employee or designated representative requests access to a record, DWM will assure that access is provided in a reasonable time, place and manner. If DWM 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. Employee exposure and medical records can be obtained by contacting the Human Resource Department.
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.

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.

Workers' Compensation Fraud

DWM 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.
Horse Play
Horse Play, scuffling, pranks, wrestling, throwing material at others etc. is not allowed under any circumstances. This type of behavior often results in injuries.

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

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.

Drug & Alcohol Testing
The DWM alcohol and drug-testing program is intended to eliminate the use of illegal drugs, alcohol, and other controlled substances in the work place. 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 that could have, 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
Refusing a Drug and/or Alcohol Test
An employee's refusal to submit to testing as stated above shall be grounds for immediate discharge.

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 & ALK material create burns on human skin)
- W -- Water reactive, use no water
- ⋆ ⋆ ⋆ -- Radiation Hazard

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 get it for you.
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.

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.

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, dust, 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.

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.
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.

Electrical Safety
Only trained maintenance employees are authorized to conduct trouble shooting 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.

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.

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

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.
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 fork lifts. Clean up or immediately notify your supervisor of these conditions.

Lifting and Moving Material
Always check the weight of an object prior to lifting it. 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.

Fire Procedures
OSHA defines an incipient stage fire as a fire in the initial or beginning stage and 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 then 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.

Fire Extinguishers
Authorized and trained employees can use the fire extinguishers located throughout the site to fight incipient stage fires. To use a fire extinguisher, remember PASS.

Pull the pin
Aim at the base of the fire
Squeeze the handle
Sweep the base of the fire

Report any missing, damaged or depleted extinguishers to your supervisor.
Training Topics Covered in this Employee Safety Handbook

- 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 / TAGOUT (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 Employee Safety Handbook.

Employee Signature: ____________________________  Clock No.: ____________________________

Witness Signature: ____________________________  Date: ____________________________
CLOSURE PLAN

The facility's closure plan is prepared in accordance with applicable portions of 30 TAC §326.71(k) - (n) relating to Closure and Post Closure.

§326.71(k) Closure Requirements for Medical Waste Storage and Processing Units

Upon closure, the owner or operator will remove all waste, waste residue, and any recovered materials. All facility units will be dismantled and removed off-site or decontaminated.

The owner or operator will evacuate all untreated medical waste to a TCEQ authorized facility and disinfect all receiving, processing and post-processing areas. Final disposition of treated medical waste will be at an authorized facility.

Final closure of the facility will be completed within 180 days following the last acceptance of processed or unprocessed materials unless otherwise directed or approved in writing by the executive director.

326.71(l) Certification of Final Facility Closure

§326.71(l)(1)
No later than 90 days prior to the initiation of final facility closure, the owner or operator will, through a public notice in the newspaper(s) of largest circulation in the vicinity of the facility, provide public notice for final facility closure. This notice will provide the name, address, and physical location of the facility; the registration number; and the last date of intended receipt of waste. The owner or operator will also make available an adequate number of copies of the approved final closure plan for public access and review. The owner or operator will also provide written notification to the executive director of the intent to close the facility and place the notice of intent in the site operating record.

§326.71(l)(2)
Upon notification to the executive director of the intent to close the site, the owner or operator will post a minimum of one sign at the main entrance and all other frequently used points of access for the facility notifying all persons who may utilize the facility or site of the date of closing for the entire facility or site and the prohibition against further receipt of waste materials after the stated date. Further, suitable barriers will be installed at all gates or access points to adequately prevent the unauthorized dumping of solid waste at the closed facility or site.

§326.71(l)(3)
Within 10 days after completion of final closure activities of the facility, the owner or operator shall submit to the executive director by registered mail the following:

(A) A certification, signed by an independent licensed professional engineer, verifying final closure has been completed in accordance with the approved closure plan. The submittal to the executive director will include all applicable documentation necessary for the Commission's certification of final facility closure and
(B) Upon closure of the facility, the owner or operator will request a voluntary revocation of the registration.
ITEM 6

DRAFT survey for Regional Solid Waste Management Plan
City/County Name: __________________________________________________________

Person to Contact Regarding this Survey: __________________________________

Contact Person’s Title ____________________________________________________

Day Time Phone No.: ____________________ Fax No.: _________________________

LANDFILLS:

1. Do you currently operate a landfill? □ YES □ NO

2. If so, what type(s) do you operate? □ ARID EXEMPT □ NON-ARID EXEMPT
   (Check all that apply) □ TYPE I □ TYPE IV

   Please list the TNRCC TCEQ permit number for your facility. If you hold permits for multiple facilities, please list the TNRCC TCEQ permit numbers by facility.

   1. ________________________________ 2. ________________________________

3. Does your landfill accept waste from other communities or counties? □ YES □ NO

   If so, from whom (please list, showing all entities, in-region, out-of-region, and out-of state. If necessary, attach additional pages).

   1. ________________________________ 9. ________________________________
   2. ________________________________ 10. ________________________________
   3. ________________________________ 11. ________________________________
   4. ________________________________ 12. ________________________________
   5. ________________________________ 13. ________________________________
   6. ________________________________ 14. ________________________________
   7. ________________________________ 15. ________________________________
   8. ________________________________ 16. ________________________________

4. What is the tipping fee charge at your landfill? $__________________ per □ TON or □ CUBIC YARD

5. How is volume of waste disposed of in your landfill facility(ies) measured?
   □ Scale weight □ Vehicular weight □ Population Estimate
6. Please provide the total disposal amounts you reported to the TNRCC 2020 for the quarters listed below.

<table>
<thead>
<tr>
<th>Period</th>
<th>Totalamt. reported for:</th>
</tr>
</thead>
<tbody>
<tr>
<td>9/1/96-11/31/96</td>
<td>18</td>
</tr>
<tr>
<td>12/1/97-2/28/97</td>
<td>19</td>
</tr>
<tr>
<td>3/1/97-5/31/97</td>
<td>19</td>
</tr>
<tr>
<td>6/1/97-8/31/97</td>
<td>19</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Period</th>
<th>Totalamt. reported for:</th>
</tr>
</thead>
<tbody>
<tr>
<td>9/1/97-11/31/97</td>
<td>19</td>
</tr>
<tr>
<td>12/01/98-2/28/98</td>
<td>20</td>
</tr>
<tr>
<td>3/1/98-5/31/98</td>
<td>20</td>
</tr>
<tr>
<td>6/1/98-8/31/98</td>
<td>20</td>
</tr>
</tbody>
</table>

7. Currently, how many useable acres still remain within your permitted landfill(s)?
   (show each facility separately - differentiate by permit #)
   ________________________________________________________________________________

8. What is the current remaining life of your landfill(s)? (in what year will your landfill(s) reach maximum capacity?)
   (show each facility separately - differentiate by permit #)
   ________________________________________________________________________________

9. Do you have any current plans to permit another landfill in the future? If YES, please explain below.
   __________________________________________________________
   ________________________________________________________________________________
   ________________________________________________________________________________
   ________________________________________________________________________________

TRANSFER STATIONS:

1. Do you currently operate a transfer station?
   □ YES □ NO
   If so, please list your TNRCC TCEQ registration number:
   ________________________________________________________________________________

2. Does your transfer station accept waste from other communities or counties?.
   □ YES □ NO
   If so, from whom (please list, showing all entities, in-region, out-of-region, and out-of state. If necessary, attach additional pages).

   1. __________________________________________ 4. __________________________________________
   2. __________________________________________ 5. __________________________________________
   3. __________________________________________ 6. __________________________________________
3. Which landfill do you transfer to? ____________________________

4. How long a distance is the transfer (roundtrip)? ____________ miles

5. How many tons per day are processed through your transfer station? ____________ Tons

6. How frequently do you transfer waste to the landfill? ____________________________

7. What is the tipping fee charge at your transfer station? $__________ per □ TON or □ CUBIC YARD

DIRECT HAULING:

1. If you don’t operate a landfill or a transfer station, to where do you haul your solid waste? ____________________________

2. What is the tipping fee charge you pay for disposal? $__________ per □ TON or □ CUBIC YARD

3. What is the roundtrip haul distance you must travel? ____________ miles

4. Do you pick up/haul waste from other communities or counties? □ YES □ NO

   If so, from whom (please list, showing all entities, in-region, out-of-region, and out-of state. If necessary, attach additional pages).

   1. ____________________________ 3. ____________________________
   2. ____________________________ 4. ____________________________

COLLECTION SERVICES:

1. Do you provide collection services to the residents in your community/county? If NO, please explain. □ YES □ NO

   __________________________________________________________

   __________________________________________________________

2. Do you provide collection services to the commercial customers in your community/county? If NO, please explain. □ YES □ NO

   __________________________________________________________

   __________________________________________________________

3. What are your average monthly residential solid waste rates? $________________

   __________________________________________________________
4. What are your monthly **commercial** solid waste rates? (please explain).

________________________________________________________________________
________________________________________________________________________
________________________________________________________________________
________________________________________________________________________

**CONTRACT SERVICES:**
1. Do you contract for any of the following services?  (Check all that apply)
   - [ ] LANDFILLING
   - [ ] TRANSFERRING/HAULING
   - [ ] COLLECTION (residential)

   With whom:
   - LANDFILL
   - TRANSFERRING/HAULING:
   - COLLECTION (residential)
   - OTHER (please specify)

2. How much are you charged for these services?
   - LANDFILL
   - TRANSFERRING/HAULING:
   - COLLECTION (residential)
   - OTHER (please specify)

**HISTORICAL DATA:**
1. Have you closed a landfill within the past two years?  □ YES  □ NO

2. Have you permitted a new facility or re-permitted/amended an existing facility permit during the past two years?  If YES, please explain
   ____________________________________________________________________________

3. Have you increased your residential and/or commercial trash rates during the past two years?  □ YES  □ NO
   Residential Rates:
   Rates:
Commercial Rates (please explain):

1997-2019: ________________________________________________
1998-2020: ________________________________________________

4. Are you contracting out solid waste service today that you were performing yourself in 1996-2019?
   □ YES □ NO
   Those are (check all that apply):
   □ LANDFILLING □ TRANSFERRING/HAULING □ COLLECTION (residential)

ECONOMIC DATA:

1. Please list the five largest waste generators in your community/county?
   NAME: No. OF EMPLOYEES (If known)
   1. ____________________________________________
   2. ____________________________________________
   3. ____________________________________________
   4. ____________________________________________
   5. ____________________________________________

2. Since 1996-2019, has your community/county experienced any significant increase in business/commerce/job development?
   □ YES □ NO
   If YES, please explain: __________________________________________________
   _______________________________________________________________________
   _______________________________________________________________________

3. Have there been any economic events (either beneficial or adverse) that have occurred within your community/county since 1996-2019 that have affected the amount of residential or commercial waste being generated locally? If so, please explain
   _______________________________________________________________________
   _______________________________________________________________________
   _______________________________________________________________________

1 - For example, plants or businesses opening, expanding or closing; drop in school enrollment, etc.
4. Within the next two years, do you anticipate any economic events occurring (either beneficial or adverse) within your community/county that may have some affect on the amount of residential or commercial waste being generated locally? If so, please explain

______________________________________________________

______________________________________________________

______________________________________________________

RECYCLING, WASTE REDUCTION, COMPOSTING:

1. How would you characterize the estimated composition of the waste stream you manage?

<table>
<thead>
<tr>
<th>RESIDENTIAL</th>
<th>COMMERCIAL</th>
<th>INSTITUTIONAL</th>
<th>WOOD/BRUSH</th>
<th>C&amp;D WASTE</th>
</tr>
</thead>
<tbody>
<tr>
<td>%</td>
<td>%</td>
<td>%</td>
<td>%</td>
<td>%</td>
</tr>
</tbody>
</table>

2. Has your community/county attempted to establish any of the following programs during the past two years? (check all that apply)

- [ ] WOOD WASTE REDUCTION
- [ ] RESIDENTIAL RECYCLING
- [ ] COMMERCIAL RECYCLING
- [ ] YARD WASTE REDUCTION
- [ ] WORKPLACE RECYCLING
- [ ] USED OIL RECYCLING
- [ ] OTHER (Please Specify): __________________________
- [ ] OTHER (Please Specify): __________________________

3. Does your community/county currently operate any of the following programs? (check all that apply)

- [ ] WOOD WASTE REDUCTION
- [ ] RESIDENTIAL RECYCLING
- [ ] COMMERCIAL RECYCLING
- [ ] YARD WASTE REDUCTION
- [ ] WORKPLACE RECYCLING
- [ ] USED OIL RECYCLING
- [ ] OTHER (Please Specify): __________________________
- [ ] OTHER (Please Specify): __________________________

4. If you checked any of the boxes under Question #2, in your estimate, how much has that program(s) helped in reducing the amount of waste you would have otherwise landfilled?

- [ ] UNDER 5%
- [ ] 5 - 10%
- [ ] 10 - 15%
- [ ] 15 - 20%
- [ ] 20 - 25%
- [ ] ABOVE 25%

5. Which of the following programs that you don’t already operate would you like to implement during the next two years? (check all that apply)

- [ ] WOOD WASTE REDUCTION
- [ ] RESIDENTIAL RECYCLING
- [ ] COMMERCIAL RECYCLING
- [ ] YARD WASTE REDUCTION
- [ ] WORKPLACE RECYCLING
- [ ] USED OIL RECYCLING
- [ ] OTHER (Please Specify): __________________________
- [ ] OTHER (Please Specify): __________________________
6. Have any of the following programs been reduced or eliminated in the last two (2) years? (check all that apply) If so, please explain:

- [ ] WOOD WASTE REDUCTION
- [ ] RESIDENTIAL RECYCLING
- [ ] COMMERCIAL RECYCLING
- [ ] YARD WASTE REDUCTION
- [ ] WORKPLACE RECYCLING
- [ ] USED OIL RECYCLING
- [ ] OTHER (Please Specify): ____________________

7. Do you anticipate applying for solid waste grant funds during the next two years in order to implement new programs?

- [ ] YES
- [ ] NO

8. Do you anticipate adding new materials to your recycling efforts in the next two (2) years? If yes, please explain:

- [ ] YES
- [ ] NO

9. What is your established recycling rate goal? If NA, please explain:

- [ ] %
- [ ] NA

10. What is your anticipated recycling rate goal in ten (10) years? If NA, please explain:

- [ ] %
- [ ] NA

11. Do you have any affiliation with Keep Texas Beautiful or similar clean-up program? If yes, please list:

- [ ] YES
- [ ] NO
ITEM 7

DRAFT timeline for Regional Solid Waste Management Plan
October 2019
• Created subcommittee to assist in data gathering and plan reviews. Subcommittee will report to RSWMAC.

March 2020 thru July 2020
• Send out survey to stakeholders. Gather data for inclusion in RSWMP

August 2020 thru December 2020
• Subcommittee reports data findings to RSWMAC.

January 2021 thru March 2021
• Draft RSWMP for review by subcommittee and RSWMAC.

April 2021
• Compile RSWMP for public meetings and local gov't feedback

May 2021
• Present RSWMP to PRPC Board of Directors for approval

June 2021
• Adjustments as needed

July 2021
• Submit final RSWMP to TCEQ
Federal Data Sources,
- Bureau of Census -- www.census.gov
- U.S. Department of Commerce -- www.commerce.gov
- EPA Sustainable Materials Management      https://www.epa.gov/ismm

State Data Sources
- Texas Department of Commerce -- www.commerce.gov/states/texas.html
- Texas Natural Resources Information System -- www.tnris.state.tx.us
- Texas A & M University -- www.tamu.edu
- Texas State Library -- www.tsl.state.tx.us
- Texas Health & Human Services Commission-- www.hhsc.state.tx.us
- Texas Water Development Board -- www.twdb.state.tx.us
- State Data Center  http://txsdc.utsa.edu
- Texas Water Development Board, Planning Division  http://www.twdb.texas.gov

Keep Texas Recycling -- https://www.ktb.org/keepTexasRecycling
circular economy
source separation: glass
IPR vs. EPR
https://www.hprc.org/hospicycle
https://www.hprc.org/guidance-for-recyclers