CITY OF FREDERICKSBURG LANDFILL
TCEQ PERMIT NO. MSW-1995
GILLESPIE COUNTY, TEXAS

PERMIT MODIFICATION
ATTACHMENT 12B
LANDFILL GAS MANAGEMENT PLAN

Prepared for

January 2017

Prepared by

Weaver Consultants Group, LLC
TBPE Registration No. F-3727
6420 Southwest Boulevard, Suite 206
Fort Worth, Texas 76109
817-735-9770
WCG Project No. 0620-001-14-16
Mr. Armando Barrera  
MC 124  
Municipal Solid Waste Permits Section  
Texas Commission on Environmental Quality  
P. O. Box 13087  
Austin, Texas 78711-3087  

Re: Permit Modification – Attachment 12B  
GP-6 LFG Remediation Plan - LFG Cut-off Trench & Vent Installation  
City of Fredericksburg Landfill – Permit No. MSW-1995  
Gillespie County, Texas  
RN102211844/CN600527238  

Dear Mr. Barrera:  

On behalf of the City of Fredericksburg, the purpose of the permit modification is to modify the site's existing Attachment 12B – Landfill Gas Management Plan (LFGMP) to incorporate the details of a passive landfill gas (LFG) cut-off trench and vent system installed in January 2017. The City of Fredericksburg Landfill (Permit No. MSW-1995) is an active Type I MSW landfill owned and operated by the City of Fredericksburg (City). The purpose of the passive LFG cut-off trench and vent system installation is to mitigate LFG migration in the vicinity of perimeter gas monitoring probe GP-6 as part of the implemented LFG remediation plan.  

This LFG remediation is in response to a methane exceedance detected in probe GP-6 during the facility’s routine quarterly methane monitoring performed by Weaver Consultants Group, LLC (WCG) on December 5, 2016. In accordance with Title 30 of Texas Administrative Code (30 TAC) §330.70 and the facility’s existing approved LFGMP, immediate action was taken by directing operations and personnel away from the area and notification was made to the appropriate entities and potentially affected landowners. These immediate response measures and notifications were documented in the facility’s Landfill Gas Monitoring Report – Fourth Quarter 2016 and Landfill Gas Probe GP-6 Exceedance Immediate Response Measures report (WCG, December 9, 2016).  

This permit modification is being submitted with public notice in accordance with Title 30 TAC §305.70(k)(3). In accordance with Texas Commission on Environmental Quality (TCEQ) Landfill Gas Reporting and Corrective Action Procedures guidelines (March 7, 2013), this LFGMP permit modification submittal also serves as the facility’s LFG Remediation Plan as required by Title 30 TAC §330.371(c)(3).
The following summarizes the changes made to the existing Attachment 12B - Landfill Gas Management Plan in the attached permit modification:

- The Attachment 12B cover page has been revised to reflect the current revision date. Additionally, the Attachment 12B cover page has also been annotated to indicate the previous two approved permit modifications submittal dates (April 2002, and April 2005).

- The Table of Contents has been updated to reflect revisions made to pages 12 and 13.

- The page 12 (Landfill Gas Remediation) heading/title has been revised to indicate that the section pertains solely to the May 2004 LFG remediation in response to perimeter monitoring probe GP-5 (GP-5 Landfill Gas Remediation Plan).

- A new Section has been added on page 13 (GP-6 Landfill Gas Remediation Plan) which outlines the implemented LFG remediation in the vicinity of GP-6 including the January 2017 installation of the passive LFG cut-off trench and vent system.

- Appendix G of Attachment 12B has been added to include an updated site map (Figure G-1) and the GP-6 passive LFG cut-off trench and vent system details (Figure G-2).

- Page 13 (Appendices cover page) has been revised to annotate Appendix F as a dedicated section to the 2004 GP-5 remediation (GP-5 LFG Cut-off Trench Drawings), include the addition of Appendix G (GP-6 LFG Remediation Cut-off Trench Drawings), and update the page number from 13 to 14 to accommodate the new GP-6 Landfill Gas Remediation Plan section.

As shown on Figure G-1, the passive LFG cut-off trench and vent system was installed adjacent perimeter LFG monitoring probe GP-6 to remediate LFG migration in the vicinity. The trench vent system was installed between the limits of waste and perimeter probe GP-6 and completed as shown in Figure G-2. Barhole probe readings taken in the immediate area around GP-6 indicate that the extent of the installed trench is sufficient for the impacted area. The first monthly remediation methane monitoring of probe GP-6 was performed on January 30, 2017. No methane was present in probe GP-6 during the January 2017 monthly methane reading. The facility will continue methane monitoring of GP-6 on a monthly basis until six consecutive compliant methane readings are obtained. The LFG Remediation Plan for GP-6 is further discussed on page 13 of the attached LFGMP permit modification.

One original and one copy of the permit modification are provided for your use and distribution. A copy of this permit modification has been provided to the appropriate regional office. A copy of this submittal was also placed in the site operating record. The TCEQ Form 20650 has been included in Appendix C of this permit modification. In accordance with 30 TAC§330.59(h)(1) a $150.00
application fee has been submitted to the TCEQ, as documented on page one of Form 20650. In accordance with Title 30 TAC §305.70(k)(3), this permit modification is being submitted with public notice. The adjacent landowner maps and list are provided in Appendix D.

During the course of your review, if you need additional information or have any questions, please call.

Sincerely,

Weaver Consultants Group, LLC

[Signature]
Nevzat Turan, P.E.
Senior Engineer

Attachments: Permit Modification

cc: Joel Anderson, Waste Section Manager, TCEQ Region 13 San Antonio Office
    Clinton Bailey, P.E., Assistant City Manager / Director of Public Works and Utilities, City of Fredericksburg
    Garret Bonn, P.E., Assistant City Engineer, City of Fredericksburg
    Kerry Schmidt, Sanitation Department Superintendent, City of Fredericksburg
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Adjacent Landowner’s Map and List

STATE OF TEXAS

NEVZAT TURAN
84059

PROFESSIONAL ENGINEER

01-30-2017
PERMIT MODIFICATION NARRATIVE

Permit Modification Justification

The City understands the importance of maintaining effective environmental protection at the landfill. The primary purpose of this permit modification is to incorporate details of a passive landfill gas (LFG) cut-off trench and vent system installed near perimeter landfill gas monitoring probe GP-6 in January 2017 as part of the facility’s landfill gas remediation plan. This permit modification request has been prepared under the provisions of 30 TAC §305.70(k)(3) which requires public notice in accordance with 30 TAC §39.106 and 30 TAC §39.413.

SDP Replacement Pages

The redline strikeout version of the Attachment 12B - Landfill Gas Management Plan is included in Appendix A. A clean version of applicable replacement pages is included in Appendix B.

TCEQ Form 20650

The TCEQ Form 20650 is provided as Appendix C. In accordance with §330.59(h)(1), a payment of $150 has been made online through the TCEQ ePay system as noted on page 1 of the TCEQ Form 20650. Additionally, this application will be posted on the internet at http://www.fbgtx.org/424/Landfill consistent with Title 30 TAC §330.57(i)(1).

Landowners Notification

In accordance with 30 TAC §305.70(k)(3), this permit modification is submitted with public notice in accordance with 30 TAC §39.106 and 30 TAC §39.413. The landowner’s map and list that reflects the current property owners within one quarter mile of the permit boundary are included in Appendix D. The numbering on the landownership list corresponds to the numbers listed on Figure D-1 in Appendix D.
APPENDIX A

ATTACHMENT 12B
(REDLINE STRIKEOUT VERSION)
CITY OF FREDERICKSBURG LANDFILL
GILLESPIE COUNTY, TEXAS
MSW PERMIT NO. 1995

PERMIT MODIFICATION

ATTACHMENT 12B
LANDFILL GAS MANAGEMENT PLAN

Prepared for
City of Fredericksburg

December 1993
Revised April 2002
Revised April 2005
Revised January 2017

Prepared by
Weaver Consultants Group, LLC
TBPE Registration No. F-3727
6420 Southwest Boulevard, Suite 206
Fort Worth, Texas 76109
817-735-9770

Project No. 0620-001-14-16
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GP-5 Landfill Gas Remediation Plan

In May 2004, the City of Fredericksburg MSWLF implemented steps to remediate elevated methane concentrations at perimeter landfill gas (LFG) monitoring probe GP-5, which exceeded the Texas Commission on Environmental Quality (TCEQ) compliance threshold of 5 percent methane, by volume in air. The remediation activities included the construction of a passive cut-off trench installed between the limits of waste placement and the monitoring probe. Figures F-1 and F-2 in Appendix F depict the location of LFG Remediation Cut-off Trench No. 3 and the trench construction details. The objective of the cut-off trench is to provide a physical barrier to prevent the movement of LFG past the trench location. The basic design consists of an approximate 24-inch-wide trench excavated down and into groundwater to form a hydraulic barrier to prevent the LFG from circumventing beneath the bottom of the trench. The outside wall (closest to the permit boundary) of the trench is lined with a 30-mil flexible membrane liner from surface grade down to the bottom of the trench to provide the physical barrier to prevent the gas from migrating past the trench. The trench is backfilled with washed aggregate to facilitate the movement of gas within the trench to vertical polyvinyl chloride (PVC) riser pipes spaced along the length of the trench. The lower portion of the PVC risers are perforated and embedded into the aggregate backfill. The upper portion of the PVC riser consists of solid pipe extends approximately 17 feet above surface grade. Above the aggregate material, the trench is backfilled with soil/clay material. The backfill is mounded at the surface to provide surface drainage away from the trench and PVC risers. The top of each riser is fitted with a rotary turbine ventilator to induce a slight vacuum on the trench. LFG migrating into the trench will be forced towards the risers and then will passively vent up the risers and into the atmosphere.
GP-6 Landfill Gas Remediation Plan

On December 5, 2016 methane concentrations above the TCEQ regulatory threshold of five percent by volume in air were found in perimeter LFG monitoring probe GP-6. No buildings were identified as being at immediate risk and in need of evacuation. Immediate action was taken and the appropriate agencies and adjacent property owners within 1,000 feet of the affected area were notified. In January 2017, the City of Fredericksburg installed a new passive LFG cut-off trench between the limits of waste and perimeter LFG monitoring probe GP-6. The location of the passive LFG cut-off trench and the trench and vent construction details are shown on Figures G-1 and G-2 in Appendix G. The objective of the cut-off trench is to provide a physical barrier to prevent the movement of LFG past the trench location. The trench and vent design is similar to the LFG cut-off trench installed by the City in 2004 to remediate LFG migration in the vicinity of perimeter LFG monitoring probe GP-5.

Methane levels in probe GP-6 will be monitored on a monthly basis for six consecutive months from the installation of the passive trench vent (through July 2017). The monthly monitoring results will be reported to the TCEQ on a quarterly basis during this six month evaluation period. Following the six month evaluation period, an evaluation report will be submitted to TCEQ documenting the results of monthly methane monitoring. Probe GP-6 will be considered remediated and will return to quarterly monitoring following six consecutive monthly compliant methane readings. In the event that methane concentrations in probe GP-6 persist following six months of remediation monitoring, additional remediation activities will be proposed in consultation with TCEQ.
Appendices

Appendix A  Methane Monitoring System
Appendix B  Periodic Methane Monitoring Report Form
Appendix C  Monitoring Equipment Operation and Maintenance Instructions
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Appendix E  Gas Monitor Probe Data Sheet
Appendix F  GP-5 LFG Remediation Cut-off Trench Drawings
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Appendix F

GP-5 LFG Remediation Cut-off Trench Drawings
Appendix G

GP-6 LFG Remediation Cut-off Trench Drawings
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1. EXISTING TOPOGRAPHY, MONITORING WELLS AND FEATURES PROVIDED BY THE CITY OF FREDERICKSBURG.
2. GAS PROBE LOCATIONS OBTAINED FROM GOOGLE EARTH IMAGE IN 2016.
3. PASSIVE LFG CUT-OFF TRENCH AND VENT SYSTEM ADJACENT TO GP-5 INSTALLED IN MAY 2004. SEE FIGURE F-2 FOR DETAILS.
4. PASSIVE LFG CUT-OFF TRENCH AND VENT SYSTEM ADJACENT TO GP-8 INSTALLED IN JANUARY 2017. SEE FIGURE G-2 FOR DETAILS.
PASSIVE LFG CUT-OFF TRENCH AND VENT DETAILS

NOT TO SCALE
APPENDIX B

ATTACHMENT 12B
(CLEAN PAGES VERSION)
CITY OF FREDERICKSBURG LANDFILL
GILLESPIE COUNTY, TEXAS
MSW PERMIT NO. 1995

PERMIT MODIFICATION

ATTACHMENT 12B
LANDFILL GAS MANAGEMENT PLAN

Prepared for

City of Fredericksburg

December 1993
Revised April 2002
Revised April 2005

Revised January 2017

Prepared by
Weaver Consultants Group, LLC
TBPE Registration No. F-3727
6420 Southwest Boulevard, Suite 206
Fort Worth, Texas 76109
817-735-9770

Project No. 0620-001-14-16
# LANDFILL GAS MANAGEMENT PLAN

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GP-6 LFG Remediation Cut-off Trench Drawings
PASSIVE LFG CUT-OFF
TRENCH AND VENT DETAILS
NOT TO SCALE
APPENDIX C
TCEQ - 20650 FORM
Facility Name: City of Fredericksburg Landfill
Permittee/Registrant Name: City of Fredericksburg
MSW Authorization #: 1995
Initial Submittal Date: January 30, 2017
Revision Date:

Texas Commission on Environmental Quality
Permit/Registration Modification and Temporary Authorization Application Form for an MSW Facility

1. Reason for Submittal
   - Initial Submittal
   - Notice of Deficiency (NOD) Response

2. Authorization Type
   - Permit
   - Registration

3. Application Type
   - Modification with Public Notice
   - Modification without Public Notice
   - Temporary Authorization (TA)
   - Modification for Name Change/Transfer

4. Application Fees
   - Pay by Check
   - Online Payment
   If paid online, e-Pay Confirmation Number: 582EA000247166

5. Application URL
   Is the application submitted for a permit/registration modification with public notice?
   - Yes
   - No
   If the answer is “Yes”, enter the URL address of a publicly accessible internet web site
   where the application and all revisions to that application will be posted in the space
   provided: http://tx-fredericksburg2.civicplus.com/107/Sanitation-Department

6. 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.”
7. General Facility Information

<table>
<thead>
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<th>Facility Name: City of Fredericksburg Landfill</th>
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<tr>
<td>MSW Authorization No.: 1995</td>
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<tr>
<td>Regulated Entity Reference No.: RN 102211844</td>
</tr>
<tr>
<td>Physical or Street Address (if available): 204 Landfill Lane</td>
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<tr>
<td>City: Fredericksburg</td>
</tr>
<tr>
<td>County: Gillespie</td>
</tr>
<tr>
<td>State: Texas</td>
</tr>
<tr>
<td>Zip Code: 78624</td>
</tr>
<tr>
<td>(Area code) Telephone Number: (830) 997-3459</td>
</tr>
<tr>
<td>Latitude: Longitude:</td>
</tr>
</tbody>
</table>

8. Facility Type(s)

- [ ] Type I
- [ ] Type I AE
- [ ] Type IV
- [ ] Type IV AE
- [ ] Type V
- [ ] Type VI

9. Description of the Revisions to the Facility

Provide a brief description of all revisions to the permit/registration conditions and supporting documents referred by the permit/registration, and a reference to the specific provisions under which the modification/temporary authorization application is being made. Also, provide an explanation of why the modification/temporary authorization is requested:

The purpose of this permit modification is to incorporate the details of a passive LFG cut-off trench and vent system installed near perimeter landfill gas monitoring probe GP-6 into the permit's Attachment 12B - Landfill Gas Management Plan in accordance with 30 TAC §305.70(k)(3).
## 10. Facility Contact Information

**Site Operator (Permittee/Registrant) Name:** City of Fredericksburg

Customer Reference No. (if issued)*: CN 600527238

Mailing Address: 126 West Main

City: Fredericksburg  County: Gillespie  State: Texas  Zip Code: 78624

(Area Code) Telephone Number: (830) 997-7521

E-mail Address:

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.

**Operator Name**: ☐

Customer Reference No. (if issued)*: CN

Mailing Address:

City:  County:  State:  Zip Code:

(Area Code) Telephone Number:

E-mail Address:

Charter 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):** Weaver Consultants Group

Texas Board of Professional Engineers Firm Registration Number: F-3727

Mailing Address: 6420 Southwest Blvd., Suite 206

City: Fort Worth  County: Tarrant  State: Texas  Zip Code: 76109

(Area Code) Telephone Number: (817) 735-9770

E-Mail Address:

**Agent in Service Name (required only for out-of-state):**

Mailing Address:

City:  County:  State:  Zip Code:

(Area Code) Telephone Number:

E-Mail Address:
11. Ownership Status of the Facility

Is this a modification that changes the legal description, the property owner, or the Site Operator (Permittee/Registrant)?

☐ Yes  ☐ No

If the answer is "No", skip this section.

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):

Charter Number:
Signature Page

I, Clinton Bailey, P.E., Director of Public Works & Utilities (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: 1/30/17

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 Clinton Bailey

On this 30 day of January, 2017

My commission expires on the 30 day of April, 2018

____________________________
Notary Public in and for Gillespie County, Texas
(Note: Application Must Bear Signature & Seal of Notary Public)

DONNA K MAXWELL
Notary Public, State of Texas
My Commission Expires
April 30, 2018

TCEQ-20650, Permit Modification and Temporary Authorization Form (rev. 11/20/13) Form - Page 5 of 8
Permit/Registration Modification with Public Notice

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

**Required Attachments**
- Land Ownership Map
- Land Ownership List
- Marked (Redline/Strikeout) Pages
- Unmarked Revised Pages

**Additional Attachments as Applicable- Select all those apply and add as necessary**
- [ ] Signatory Authority
- [ ] Fee Payment Receipt
- [ ] Confidential Documents
Permit/Registration Modification without Public Notice or TA

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

Required Attachments (for Modifications only)  Attachment No.
Marked (Redline/Strikeout) Pages
Unmarked Revised Pages

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

☐ Signatory Authority
☐ Fee Payment Receipt
☐ Confidential Documents
Permit/Registration Name Change/Transfer Modification

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

**Required Attachments**
- TCEQ Core Data Form(s)
- Property Legal Description
  - Property Metes and Bounds Description
  - Metes and Bounds Drawings
  - On-Site Easements Drawing
- Land Ownership List
- Land Ownership Map
- Property Owner Affidavit
- Verification of Legal Status
- Evidence of Competency

**Additional Attachments as Applicable - Select all those apply and add as necessary**
- [ ] Signatory Authority
- [ ] Fee Payment Receipt
- [ ] Confidential Documents
- [ ] Final Plat Record of Property, if platted
- [ ] Assumed Name Certificate
APPENDIX D
LANDOWNER’S MAP AND LIST
ADJACENT LANDOWNER LIST AND MAP

The following list and Figure D-1 provide the names, mailing addresses, and location of the “Adjacent and Potentially Affected Landowners” within ¼ mile of the site. Refer to Figure D-1 for location of the properties. The numbering on the land ownership list corresponds to the numbers listed on Figure D-1. The list is based on records of the Gillespie County Central Appraisal District, posted on the Gillespie County Appraisal District website http://www.gillespiecad.org. The list was compiled by Weaver Consultants Group in December 2016.

In accordance with Title 30 Texas Administrative Code §330.59(c)(3), the availability of mineral ownership beneath the facility has been investigated. Based on a conversation with the Gillespie County Central Appraisal District, they do not maintain mineral ownership records.
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<th>Name and Address</th>
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<tr>
<td>2</td>
<td>GERALD E HOWARD 629 RANCH ROAD 1631 FREDERICKSBURG TX 78624</td>
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<td>3</td>
<td>LESTER E THEIS 1035 RANCH ROAD 1631 FREDERICKSBURG TX 78624</td>
</tr>
<tr>
<td>4</td>
<td>CITY OF FREDERICKSBURG 126 W MAIN ST FREDERICKSBURG TX 78624</td>
</tr>
<tr>
<td>5</td>
<td>LUCILA R AND ANTONIO VELASQUEZ 500 DEER HOLLOW FREDERICKSBURG TX 78624</td>
</tr>
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|   | FREDERICKSBURG TX 78624  
| 22 | MARILLO RESENDIZ  
|   | 520 DEER CREEK  
|   | FREDERICKSBURG TX 78624  
| 23 | JUAN COMENERO  
|   | 511 DEER HOLLOW  
|   | FREDERICKSBURG TX 78624  
| 24 | AQUA TEXAS INC  
|   | C/O AQUA UTILITIES INC  
|   | 1106 CLAYTON LN STE 400W  
|   | AUSTIN TX 78723  
| 25 | LINDA AND RIC-ARD NEFFENDORF III  
|   | 517 DEER HOLLOW  
|   | FREDERICKSBURG TX 78624  
| 26 | CODY L WALLS  
|   | 502 DEER CREEK  
|   | FREDERICKSBURG TX 78624  
| 27 | WALTER L AND GAY WALLS  
|   | 504 DEER CREEK  
|   | FREDERICKSBURG TX 78624  
| 28 | JUAN AND MARA ZEPEDA  
|   | 501 DEER CREEK  
|   | FREDERICKSBURG TX 78624  
| 29 | ORALIL REYNOSO  
|   | 508 DEER CREEK  
|   | FREDERICKSBURG TX 78624  
| 30 | JULIO C AND MARY G MATTINEZ  
|   | 510 DEER CREEK  
|   | FREDERICKSBURG TX 78624  
| 31 | JULIO MARTINEZ AND ESPERANZA HERNANDEZ  
|   | 510 DEER CREEK  
|   | FREDERICKSBURG TX 78624  
| 32 | IMELDA AND ARTURO ROBLES LUCYCX  
|   | 512 DEER CREEK  
|   | FREDERICKSBURG TX 78624  
| 33 | MIGUEL A AND ANA Y CHAVARRIA  
|   | 514 DEER CREEK  
|   | FREDERICKSBURG TX 78624  
| 34 | PATRICIA ANN-CONTRACT DEIKE  
|   | D/O KATHLYN E DUECKER  
|   | 156 HENRY DUECKER RD  
|   | FREDERICKSBURG TX 78624  
| 35 | VICTOR HERNANDEZ  
|   | 518 DEER CREEK  
|   | FREDERICKSBURG TX 78624  
| 36 | CURTIS E AND EDITH ANN FREITAG  
|   | C/O RESENDIZ MAURILIO  
|   | 5 EL GARAMBULLO RD  
|   | FREDERICKSBURG TX 78624  
| 37 | MAURILIO RESENDIZ (SON)  
|   | 5 EL GARAMBULLO RD  
|   | FREDERICKSBURG TX 78624  
| 38 | RAFAEL AND JUANA TAMAYO  
|   | 151 EL GARAMBULLO RD  
|   | FREDERICKSBURG TX 78624  
| 39 | JUAN V ZEPEDA  
|   | 501 DEER CREEK UNIT A  
|   | FREDERICKSBURG TX 78624  
| 40 | VICTOR AND AYRA HERNANDEZ  
|   | 518 DEER CREEK  
|   | FREDERICKSBURG TX 78624  

Weaver Consultants Group, LLC
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|   | PROPERTY OWNERS AND MINERAL RIGHTS OWNERS LIST  
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| 81 | JUAN RAMIREZ  
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1127 FAWN DR  
FREDERICKSBURG TX 78624 |
| 82 | ANDREA NERI  
C/O MARIA ALBINA RAMIREZ  
1127 FAWN DR  
FREDERICKSBURG TX 78624 |
| 83 | SIVERTRE CASTRUÍTA  
PO BOX 202  
FREDERICKSBURG TX 78624 |
| 84 | SIVESTRE CASTRUÍTA AND EDITH ZAMUDIO  
PO BOX 202  
FREDERICKSBURG TX 78624 |
| 85 | VICKY AND PAUL HARTCRAFT III  
752 EBERLE LN  
FREDERICKSBURG TX 78624 |
| 86 | HEATH W AND LISA PETSCH  
519 DEER HOLLOW  
FREDERICKSBURG TX 78624 |
| 87 | RUBEN AGUILAR  
3512 W US HWY 290  
FREDERICKSBURG TX 78624 |
| 88 | RUBIN AND SILBIA AGUILAR  
C/O RUBEN AGUILAR JR  
3512 W US HWY 290  
FREDERICKSBURG TX 78624 |
| 89 | RAFAEL ZARAZUA AND AIUE  
202 BEVERLY DF  
FREDERICKSBURG TX 78624 |
| 90 | AIDE AGUILAR AND RAFAEL ZARAZUA  
202 BEVERLY DF  
FREDERICKSBURG TX 78624 |
| 91 | RUFUS H AND IVA D MORRIS  
C/O AIDE AND RAFAEL ZARAZUA  
202 BEVERLY DR  
FREDERICKSBURG TX 78624 |
| 92 | J JESUS AND MARIA O PRECIADO  
597 HOLLIG LN  
FREDERICKSBURG TX 78624 |
| 93 | ANTONIO AND BEATRIZ RODRIGUEZ  
668 EBERLE LN  
FREDERICKSBURG TX 78624 |
| 94 | PAUL GARZA  
C/O ANTONION RODRIGUEZ  
668 EBERLE LN  
FREDERICKSBURG TX 78624 |
| 95 | ANTONIO RODRIGUEZ  
668 EBERLE LN  
FREDERICKSBURG TX 78624 |
| 96 | JOSEPH MICHAEL FLEURY  
735 EBERLE LN  
FREDERICKSBURG TX 78624 |
| 97 | DAVANNAH BRICKNER  
PO BOX 3161  
FREDERICKSBURG TX 78624 |
| 98 | RUDY R H AHRENS  
487 EBERLE LN  
FREDERICKSBURG TX 78624 |
| 99 | ROMAN MAURER LIFE ESTATE  
D/O LINDA COTTE ET AL  
C/O MATT EVERS  
16414 PELICAN BEACH LN  
HOUSTON TX 77044 |
| 100 | ALTON MARVIN DEIKE LIFE ESTATE  
D/O DENNY DEIKE AND DENISE DEIKE  
305 EBERLE LN  
FREDERICKSBURG TX 78624 |
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NOTES:
1. 1 refers to landowners on landowner list.
2. Property owners within 1/4 mile of the landfill permit boundary identified.
3. Property owners list obtained from Gillespie County Appraisal District Records in December 2016.
4. See attached list for land owner information.