

# Williamson County – Site Operating Plan Permit Modification

Waste Management of Texas  
9900 Giles Road  
Austin, TX 78752

**SCS ENGINEERS**

16208501.20 | August 27, 2018

12651 Briar Forest Dr. Ste 205  
Houston, TX 77077  
281-293-8494

August 27, 2018  
File No. 16208501.20

Mr. Chance Goodin  
Manager  
MC 124  
MSW Permits Division  
Texas commission on Environmental Quality  
P.O. Box 13087  
Austin, Texas 78711-3087

Subject: Williamson County Recycling and Disposal Facility – Williamson County  
Municipal Solid Waste (MSW) – MSW Permit No. 1405B  
Permit Modification – Site Development Plan (SDP) and Site Operating Plan (SOP)  
RN100225754/CN600897888

Dear Mr. Goodin:

On behalf of Williamson County, SCS Engineers (SCS) is pleased to submit the attached revisions to the Part III, Site Development Plan, and Part IV, Site Operating Plan of the approved permit 1405B for the Williamson County Recycling and Disposal Facility (WCRDF) in Williamson County, Texas.

By this request, Williamson County is seeking approval of a modification to the Part III, Site Development Plan, Attachment 1, Site Layout Plan to revise the limits of Cells 3A – 3E and 4A – 4E and Part IV, Site Operating Plan to add an allowance for the storage of records at an alternate off-site location.

The following information is being submitted in support of this request for a permit modification.

### **DESCRIPTION OF PROPOSED CHANGES**

This permit modification request includes a revision of Part III, Site Development Plan, Attachment 1, Site Layout Plan. Figures III-1.1, Site Layout Plan and III-1.4, Landfill Development Phasing – Initial Phases, have been revised to shift the northern limits of Cells 3A – 3E further north

In addition, Part IV, Site Operating Plan, has been revised to add an allowance for the storage of records older than five years at an alternate off-site location.

### **EXPLANATION SUPPORTING PERMIT MODIFICATION REQUEST**

There are several operational benefits to the request including the following:

- Does not reduce the landfill's capability to protect the environment and human health  
This request is a revision to the facility's record keeping requirements and will not reduce the landfill's capability to protect the environment and human health.
- Does not increase the peak height of the landfill  
This request will not increase the peak height of the landfill.

- Does not decrease the base grades of the landfill  
This request will not decrease the base grades of the landfill.
- Rate of Waste Disposal  
This request will not have any effect on the rate of waste disposal.
- Does not increase landfill capacity  
This request will not increase the capacity of the landfill.
- Permit Modification Request  
The permit modification will be prepared in accordance with 30 TAC 305.70(j)(15), a change in the facility records storage area from an onsite to an offsite location and 30 TAC 305.70(j)(17), changes to the Site Development Plan to provide performance-based standards for personnel or equipment, or minor corrections to provide consistency within the permit, as a non-notice modification.

**REVISIONS TO SECTIONS OF PART IV, SITE OPERATING PLAN INCLUDE THE FOLLOWING:**

Section	Title	Description
TCEQ-10400	TCEQ Core Data Form	For CN600897888/RN100225754
TCEQ-20650	Permit Modification and Temporary Authorization Form	Reflect Permit Modification Submittal
Revision of Part III, Site Development Plan, Attachment 1	Site Layout Plan	Revised Cover Sheet, Table of Contents, Figure III-1.1, and Figure III-1.4.
Revision of Part IV	Site Operating Plan	Revised Cover Sheet, Table of Contents, and Text pages IV-4 through IV-9. Minor changes to revise record keeping requirements.

**SPECIFIC PROVISION UNDER WHICH AUTHORIZATION IS REQUESTED**

The proposed changes to the Part IV, Site Operating Plan are minor in nature and do not substantially alter the permit conditions or reduce the capability of the facility to protect human health and the environment. This permit modification is requested in accordance with 30 TAC §305.70(j)(15) for change to the about the facility records storage area from an onsite to an off-site location and 30 TAC §305.70(j)(17), changes to the Site Development Plan Plan to provide performance – based standards for personnel or equipment, or minor corrections to provide consistency within the permit, as a non-notice modification.

**CERTIFICATION**

The certification statement required by 30 TAC §305.44 is included as part of the enclosed Permit/Registration Modification and Temporary Authorization Application Form.

As required by 30 TAC §330.59(h)(1) of TCEQ rules, a \$150 application fee has been submitted to the TCEQ Financial Administration Division. TCEQ E-pay voucher number is 384563 and 384564.

As required by 30 TAC §330.125(c) of TCEQ rules, please be advised that this letter with enclosures is being placed in the operating record for the subject facility in accordance with requirements of 30 TAC §330.125(a) and /or (b). Also as required, an original and one copy of this letter with enclosures are being submitted to the TCEQ central office while another copy is being submitted directly to the appropriate TCEQ regional office.

I trust that this submittal is complete and will lead to approval of this permit modification request. If you have any questions or comments concerning this submittal, please contact Mr. Murray at (817) 358-6156.

Sincerely,

A handwritten signature in blue ink, appearing to read "J. Roy Murray".

J. Roy Murray, P.E.  
Vice President  
SCS Engineers

A handwritten signature in blue ink, appearing to read "Samuel A. Franco".

Samuel A. Franco, E.I.T.  
Staff Professional  
SCS Engineers

JRM/SAF

cc: The Honorable Judge Dan A. Gattis, Williamson County  
Tim Champagne, WMTX  
David Mann, TCEQ Region 11

# **TCEQ CORE DATA FORM**



# 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

<b>1. Reason for Submission</b> (If other is checked please describe in space provided)			
<input type="checkbox"/> New Permit, Registration or Authorization (Core Data Form should be submitted with the program application)			
<input type="checkbox"/> Renewal (Core Data Form should be submitted with the renewal form)		<input checked="" type="checkbox"/> Other	<b>Permit Modification</b>
<b>2. Attachments</b> Describe Any Attachments: (ex. Title V Application, Waste Transporter Application, etc.)			
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Permit modification.			
<b>3. Customer Reference Number (if issued)</b>		<b>4. Regulated Entity Reference Number (if issued)</b>	
CN 600897888		RN 100225754	

Follow this link to search  
for CN or RN numbers in  
Central Registry\*\*

## SECTION II: Customer Information

<b>5. Effective Date for Customer Information Updates (mm/dd/yyyy)</b>		8/27/2018	
<b>6. Customer Role</b> (Proposed or Actual) – as it relates to the <u>Regulated Entity</u> listed on this form. Please check only <u>one</u> of the following:			
<input type="checkbox"/> Owner	<input type="checkbox"/> Operator	<input checked="" type="checkbox"/> Owner & Operator	
<input type="checkbox"/> Occupational Licensee	<input type="checkbox"/> Responsible Party	<input type="checkbox"/> Voluntary Cleanup Applicant	<input type="checkbox"/> Other: _____
<b>7. General Customer Information</b>			
<input type="checkbox"/> New Customer		<input type="checkbox"/> Update to Customer Information	<input type="checkbox"/> Change in Regulated Entity Ownership
<input type="checkbox"/> Change in Legal Name (Verifiable with the Texas Secretary of State)		<input checked="" type="checkbox"/> No Change**	
<b>**If "No Change" and Section I is complete, skip to Section III – Regulated Entity Information.</b>			
<b>8. Type of Customer:</b>			
<input type="checkbox"/> Corporation	<input type="checkbox"/> Individual	<input type="checkbox"/> Sole Proprietorship- D.B.A	
<input type="checkbox"/> City Government	<input type="checkbox"/> County Government	<input type="checkbox"/> Federal Government	<input type="checkbox"/> State Government
<input type="checkbox"/> Other Government	<input type="checkbox"/> General Partnership	<input type="checkbox"/> Limited Partnership	<input type="checkbox"/> Other: _____
<b>9. Customer Legal Name</b> (If an individual, print last name first: ex: Doe, John)		<u>If new Customer, enter previous Customer below</u> <u>End Date:</u>	
<b>10. Mailing Address:</b>			
City	State	ZIP	ZIP + 4
<b>11. Country Mailing Information</b> (if outside USA)		<b>12. E-Mail Address</b> (if applicable)	
<b>13. Telephone Number</b>		<b>14. Extension or Code</b>	<b>15. Fax Number</b> (if applicable)
( ) -			( ) -
<b>16. Federal Tax ID</b> (9 digits)	<b>17. TX State Franchise Tax ID</b> (11 digits)	<b>18. DUNS Number</b> (if applicable)	<b>19. TX SOS Filing Number</b> (if applicable)
<b>20. Number of Employees</b>			<b>21. Independently Owned and Operated?</b>
<input type="checkbox"/> 0-20 <input type="checkbox"/> 21-100 <input type="checkbox"/> 101-250 <input type="checkbox"/> 251-500 <input type="checkbox"/> 501 and higher			<input type="checkbox"/> Yes <input type="checkbox"/> No

## SECTION III: Regulated Entity Information

<b>22. General Regulated Entity Information</b> (If 'New Regulated Entity' is selected below this form should be accompanied by a permit application)			
<input type="checkbox"/> New Regulated Entity <input type="checkbox"/> Update to Regulated Entity Name <input type="checkbox"/> Update to Regulated Entity Information <input checked="" type="checkbox"/> No Change** (See below)			
<b>**If "NO CHANGE" is checked and Section I is complete, skip to Section IV, Preparer Information.</b>			
<b>23. Regulated Entity Name</b> (name of the site where the regulated action is taking place)			
Williamson County Recycling and Disposal Facility			



24. Street Address of the Regulated Entity: (No P.O. Boxes)						
	City		State		ZIP	ZIP + 4
25. Mailing Address:						
	City		State		ZIP	ZIP + 4
26. E-Mail Address:						
27. Telephone Number	28. Extension or Code		29. Fax Number (if applicable)			
( ) -			( ) -			
30. Primary SIC Code (4 digits)	31. Secondary SIC Code (4 digits)	32. Primary NAICS Code (5 or 6 digits)		33. Secondary NAICS Code (5 or 6 digits)		
34. What is the Primary Business of this entity? (Please do not repeat the SIC or NAICS description.)						

Questions 34 – 37 address geographic location. Please refer to the instructions for applicability.

35. Description to Physical Location:						
36. Nearest City	County		State		Nearest ZIP Code	
37. Latitude (N) In Decimal:			38. Longitude (W) In Decimal:			
Degrees	Minutes	Seconds	Degrees	Minutes	Seconds	

7. 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 or the updates may not be made. If your Program is not listed, check other and write it in. See the Core Data Form instructions for additional guidance.

<input type="checkbox"/> Dam Safety	<input type="checkbox"/> Districts	<input type="checkbox"/> Edwards Aquifer	<input type="checkbox"/> Industrial Hazardous Waste	<input type="checkbox"/> Municipal Solid Waste
<input type="checkbox"/> New Source Review – Air	<input type="checkbox"/> OSSF	<input type="checkbox"/> Petroleum Storage Tank	<input type="checkbox"/> PWS	<input type="checkbox"/> Sludge
<input type="checkbox"/> Stormwater	<input type="checkbox"/> Title V – Air	<input type="checkbox"/> Tires	<input type="checkbox"/> Used Oil	<input type="checkbox"/> Utilities
<input type="checkbox"/> Voluntary Cleanup	<input type="checkbox"/> Waste Water	<input type="checkbox"/> Wastewater Agriculture	<input type="checkbox"/> Water Rights	<input type="checkbox"/> Other:

#### SECTION IV: Preparer Information

40. Name:	James R. Murray, P.E.		41. Title:	Vice President
42. Telephone Number	43. Ext./Code	44. Fax Number	45. E-Mail Address	
( 281 ) 293-8494	6156	( 281 ) 293-7878	jmurray@scsengineers.com	

#### 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 9 and/or as required for the updates to the ID numbers identified in field 39.

(See the Core Data Form instructions for more information on who should sign this form.)

Company:	Williamson County	Job Title:	Williamson County Judge Presiding Officer
Name (In Print):	<del>Dan A. Gattis</del> Valerie Corey	Phone:	( 512 ) 943-1550
Signature:	Valerie Corey	Date:	10/9/18

**TCEQ PERMIT MODIFICATION AND TEMPORARY  
AUTHORIZATION APPLICATION FORM FOR AN MSW  
FACILITY**



**Facility Name: Williamson County Recycling and Disposal Facility**  
**Permittee/Registrant Name: Williamson County**  
**MSW Authorization #: 1405B**  
**Initial Submittal Date: August 27, 2018**  
**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: 384563 and 384564

#### **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://>

#### **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."

Facility Name: Williamson County Recycling and Disposal Facility  
Initial Submittal Date: August 27, 2018  
MSW Authorization #: 1405B  
Revision Date:

## 7. General Facility Information

Facility Name: **Williamson County Recycling and Disposal Facility**  
MSW Authorization No.: 1405B  
Regulated Entity Reference No.: RN100225754  
Physical or Street Address (if available): **600 Landfill Road**  
City: **Hutto** County: **Williamson** State: **TX** Zip Code: **78634**  
(Area code) Telephone Number: **512-759-8881**  
Latitude: **29.40** Longitude: **95.72**

## 8. Facility Type(s)

<input checked="" type="checkbox"/> Type I	<input type="checkbox"/> Type IV	<input type="checkbox"/> Type V
<input type="checkbox"/> Type I AE	<input type="checkbox"/> Type IV AE	<input type="checkbox"/> 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: **Permit modification to modify the Part III, Site Development Plan, Attachment 1, Site Layout Plan to revise the limits of Cells 3A-3E and 4A-4E. The Part IV, Site Operating Plan, is also being revised to add an allowance for the storage of records older than five years at an alternate off-site location.**

This section is intentionally left blank; please continue to the next page.

Facility Name: Williamson County Recycling and Disposal Facility  
Initial Submittal Date: August 27, 2018  
MSW Authorization #: 1405B  
Revision Date:

#### **10. Facility Contact Information**

**Site Operator (Permittee/Registrant) Name: Williamson County**

Customer Reference No. (if issued)\*: CN600897888

Mailing Address: **710 Main Street, Suite 101**

City: **Georgetown** County: **Williamson** State: **TX** Zip Code: **78626**

(Area Code) Telephone Number: **512-943-1550**

Email 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<sup>1</sup>: Same as "Site Operator (Permittee/Registrant)"**

Customer Reference No. (if issued)\*:

Mailing Address:

City: County: State: Zip Code:

(Area Code) Telephone Number:

Email Address:

Charter Number:

<sup>1</sup>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): SCS Engineers**

Texas Board of Professional Engineers Firm Registration Number: **F-3407**

Mailing Address: **12651 Briar Forest, Suite 205**

City: **Houston** County: **Harris** State: **TX** Zip Code: **77077**

(Area Code) Telephone Number: **281-293-8494 ext 6156**

E-Mail Address: **jmurray@scsengineers.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:

Facility Name: Williamson County Recycling and Disposal Facility  
Initial Submittal Date: August 27, 2018  
MSW Authorization #: 1405B  
Revision Date:

### 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:

Facility Name: Williamson County Recycling and Disposal Facility  
Initial Submittal Date: August 27, 2018  
MSW Authorization #: 1405B  
Revision Date:

### Signature Page

I, Valerie Corey ~~Dan A. Gattis~~, Williamson County Judge, Presiding Officer,  
(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: Valerie Corey Date: 10/9/18

-----  
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)

Facility Name: Williamson County Recycling and Disposal Facility  
Initial Submittal Date: August 27, 2018  
MSW Authorization #: 1405B  
Revision Date:

## **Permit/Registration Modification with Public Notice**

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

### **Required Attachments**

**Attachment No.**

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



Facility Name: Williamson County Recycling and Disposal Facility

Initial Submittal Date: August 27, 2018

MSW Authorization #: 1405B

Revision Date:

**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

**1**

Unmarked Revised Pages

**2**

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

- ☐ Signatory Authority
- ☐ Fee Payment Receipt
- ☐ Confidential Documents

Facility Name: Williamson County Recycling and Disposal Facility

Initial Submittal Date: August 27, 2018

MSW Authorization #: 1405B

Revision Date:

## **Permit/Registration Name Change/Transfer Modification**

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

### **Required Attachments**

**Attachment No.**

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

**REDLINE/STRIKEOUT SITE DEVELOPMENT PLAN AND  
SITE OPERATING PLAN  
(ONLY REVISED PAGES INCLUDED)**

- **PART III, SITE DEVELOPMENT PLAN**
- **PART III, ATTACHMENT 1, SITE LAYOUT PLAN**
  - **PART IV, SITE OPERATING PLAN**

**WILLIAMSON COUNTY  
RECYCLING & DISPOSAL FACILITY  
PERMIT AMENDMENT APPLICATION MSW-1405B  
WILLIAMSON COUNTY, TEXAS**

**SITE DEVELOPMENT PLAN**

**PART III**

**Prepared for:**

**WILLIAMSON COUNTY  
301 S.E. Inner Loop, Suite 109  
Georgetown, Texas 78626**

**and**

**WASTE MANAGEMENT OF TEXAS, INC.  
9900 Giles Road  
Austin, Texas 78754**

**Prepared by:**

**SCS ENGINEERS  
Texas Board of Professional Engineers Registration No. F-3407  
12651 Briar Forest Drive, Suite 205  
Houston, Texas 77077**

**MAY 2005  
TECHNICALLY COMPLETE: FEBRUARY 2006  
REVISION 1: AUGUST 2009  
REVISION 2: OCTOBER 2009  
REVISION 3: MARCH 2012  
REVISION 4: DECEMBER 2011  
REVISION 5: DECEMBER 2015  
REVISION 6: AUGUST 2018**

FOR PERMIT PURPOSES ONLY

## APPENDICES

### A Estimated Rate of Waste Deposition and Operating Life of Site

## LIST OF ATTACHMENTS

- III-1 Site Layout Plan (Revised March 2012, ~~and~~ December 2015, and August 2018)
- III-2 Fill Cross-Section
- III-3 Existing Contour Map
- III-4 Geology Report (Revised December 2011)
- III-5 Groundwater Characterization Report (Revised December 2011)
- III-6 Groundwater and Surface Water Protection Plan & Drainage Plan (Revised July 2010)
- III-7 Final Contour Map
- III-8 Closure and Post-Closure Cost Estimate (Revised August 2009)
- III-9 Applicant's Statement
- III-10 Soil and Liner Quality Control Plan
- III-11 Groundwater Sampling and Analysis Plan Revised December 2011)
- III-12 Closure Plan
- III-13 Post-Closure Plan
- III-14 Landfill Gas Management Plan (Revised October 2011)
- III-15 Leachate and Contaminated Water Plan (Revised March 2012)





**WILLIAMSON COUNTY  
RECYCLING & DISPOSAL FACILITY  
PERMIT AMENDMENT APPLICATION MSW-1405B  
WILLIAMSON COUNTY, TEXAS**

**SITE LAYOUT PLAN  
PART III, ATTACHMENT 1**

**Prepared for:**

**WILLIAMSON COUNTY  
301 S.E. Inner Loop, Suite 109  
Georgetown, Texas 78626**

**and**

**WASTE MANAGEMENT OF TEXAS, INC.  
9900 Giles Road  
Austin, Texas 78754**

**Prepared by:**

**SCS ENGINEERS  
Texas Board of Professional Engineers Registration No. F-3407  
12651 Briar Forest Dr., Suite 205  
Houston, Texas 77077**

**MAY 2005  
TECHNICALLY COMPLETE: FEBRUARY 2006  
REVISION 1: MAY 2009  
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REVISION 3: MARCH 2012  
REVISION 4: DECEMBER 2011  
REVISION 5: DECEMBER 2015  
REVISION 6: AUGUST 2018**

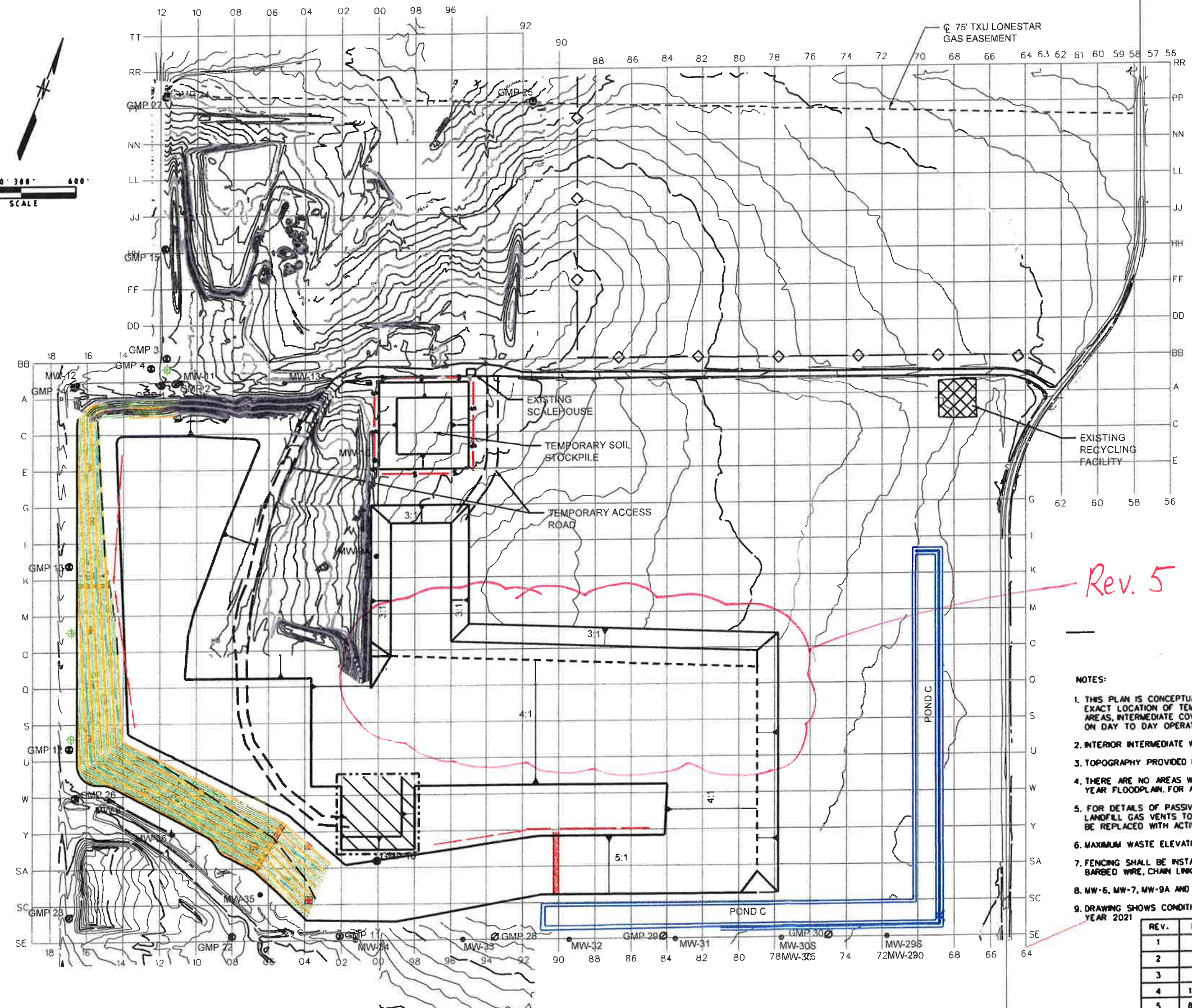
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### FIGURES

- III - 1.1 Site Layout Plan (Revised March 2012, ~~and~~ December 2015, and August 2018)
- III - 1.2A Existing Facility Entrance Plan (Revised October 2009 and December 2015)
- III - 1.2B Proposed Facility Entrance Plan (Revised October 2009)
- III - 1.3 Road Details
- III - 1.4 Landfill Development Phasing - Initial Phases (Revised October 2009, ~~and~~ December 2015, and August 2018)
- III - 1.5 Landfill Development Phasing - Intermediate Phases (Revised July 2011 and December 2015)
- III - 1.5A Landfill Development Phasing - Intermediate Phases (Added July 2011)
- III - 1.5B Landfill Development Phasing - Intermediate Phases (Added July 2011)
- III - 1.5C Landfill Development Phasing - Intermediate Phases (Added July 2011)
- III - 1.6 Landfill Development Phasing - Final Phases (Revised July 2011)
- III - 1.10 Recycling Facility Site Plan (Added October 2009)







LEGEND

- PROPERTY BOUNDARY
- PERMIT BOUNDARY
- INTERMEDIATE COVER
- DAILY COVER
- FINAL COVER
- TEMPORARY TOE BERM
- TEMPORARY DIVERSION BERM OR DITCH
- TEMPORARY SILT FENCING
- 50 FOOT BUFFER ZONE
- SITE GRID SYSTEM
- LIMITS OF LANDFILL
- EXISTING CONTOUR
- GAS MONITORING PROBE
- PASSIVE LANDFILL GAS VENT
- UNDERGROUND UTILITY GAS VENT
- BOX INDICATES BACKGROUND MONITORING WELL
- GROUNDWATER MONITORING WELL
- DRAINAGE TERRACE
- FINAL COVER DRAINAGE CHANNEL A
- FINAL COVER DRAINAGE CHANNEL B
- AREAS SUBJECT TO FLOODING BY 100 YEAR STORM
- RECYCLING FACILITY
- PERIMETER FENCE

NOTES:

1. THIS PLAN IS CONCEPTUAL AND IS NOT MEANT TO INDICATE EXACT LOCATION OF TEMPORARY FACILITIES. EXACT LOCATION OF TEMPORARY ACCESS ROADS, DIVERSION BERMS, SILT FENCES, TOE BERMS, DAILY COVER AREAS, INTERMEDIATE COVER AREAS, AND SOIL STOCKPILES TO BE DETERMINED BY SITE OPERATOR BASED ON DAY TO DAY OPERATIONS OF THE FACILITY.
2. INTERIOR INTERMEDIATE WASTE SLOPES WILL BE 4:1 MAXIMUM.
3. TOPOGRAPHY PROVIDED BY SAM INC. DATED OCT. 2003.
4. THERE ARE NO AREAS WITHIN THE PERMIT BOUNDARY THAT ARE SUBJECT TO FLOODING BY THE FEMA 100 YEAR FLOODPLAIN. FOR ADDITIONAL INFORMATION SEE PART I/II-FIGURE I/II-7, FEMA FLOODPLAIN MAP.
5. FOR DETAILS OF PASSIVE LANDFILL GAS VENTS, SEE PART II, ATTACHMENT 14, FIGURE II-14.2. PASSIVE LANDFILL LANDFILL GAS VENTS TO BE CONSTRUCTED CONCURRENT WITH FINAL COVER. PASSIVE LANDFILL GAS VENTS MAY BE REPLACED WITH ACTIVE GAS CONTROL SYSTEM.
6. MAXIMUM WASTE ELEVATION+ 838.0 FEET MSL. MAXIMUM FINAL COVER ELEVATION+ 840.0 FEET MSL.
7. FENCING SHALL BE INSTALLED AROUND THE ENTIRE ACTIVE LANDFILL AREA. FENCING SHALL BE AT LEAST 3-STRAND BARBED WIRE, CHAIN LINK, OR EQUIVALENT.
8. MW-6, MW-7, MW-9A AND MW10 TO BE PLUGGED 90 DAYS AFTER CELL 3A IS CONSTRUCTED.
9. DRAWING SHOWS CONDITIONS AND SITE FEATURES AT COMPLETION OF PHASE 2, APPROXIMATELY YEAR 2021

REV.	DATE	DESCRIPTION	DRN BY	DES BY	CHK BY	APP BY
1	7/05	TECH MOD 1	JG	JRM	JW	JKR
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October 2004 Rev. Dec. 2015  
Project: 16208501.14  
CADD File: phos2adj.dgn

WILLIAMSON COUNTY RECYCLING & DISPOSAL FACILITY  
PERMIT MODIFICATION  
PERMIT NO. MSW-1405B  
HUTTO, WILLIAMSON COUNTY, TEXAS

LANDFILL DEVELOPMENT PHASING  
INITIAL PHASES

THIS DRAWING IS INTENDED FOR  
PERMIT PURPOSES ONLY AND IS  
NOT INTENDED FOR BIDDING OR  
CONSTRUCTION





**WILLIAMSON COUNTY  
RECYCLING & DISPOSAL FACILITY  
PERMIT AMENDMENT APPLICATION MSW-1405B  
WILLIAMSON COUNTY, TEXAS**

**SITE OPERATING PLAN**

**PART IV**

**Prepared for:**

**WILLIAMSON COUNTY  
301 S.E. Inner Loop, Suite 109  
Georgetown, Texas 78626**

**and**

**WASTE MANAGEMENT OF TEXAS, INC.  
9900 Giles Road  
Austin, Texas 78754**

**Prepared by:**

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SITE OPERATING PLAN**

- **PART III, SITE DEVELOPMENT PLAN**
- **PART III, ATTACHMENT 1, SITE LAYOUT PLAN**
  - **PART IV, SITE OPERATING PLAN**

**WILLIAMSON COUNTY  
RECYCLING & DISPOSAL FACILITY  
PERMIT AMENDMENT APPLICATION MSW-1405B  
WILLIAMSON COUNTY, TEXAS**

**SITE DEVELOPMENT PLAN**

**PART III**

**Prepared for:**

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**WASTE MANAGEMENT OF TEXAS, INC.  
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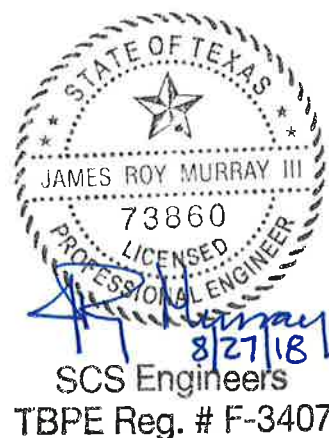
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- III-2 Fill Cross-Section
- III-3 Existing Contour Map
- III-4 Geology Report (Revised December 2011)
- III-5 Groundwater Characterization Report (Revised December 2011)
- III-6 Groundwater and Surface Water Protection Plan & Drainage Plan (Revised July 2010)
- III-7 Final Contour Map
- III-8 Closure and Post-Closure Cost Estimate (Revised August 2009)
- III-9 Applicant's Statement
- III-10 Soil and Liner Quality Control Plan
- III-11 Groundwater Sampling and Analysis Plan Revised December 2011)
- III-12 Closure Plan
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- III-15 Leachate and Contaminated Water Plan (Revised March 2012)







**WILLIAMSON COUNTY  
RECYCLING & DISPOSAL FACILITY  
PERMIT AMENDMENT APPLICATION MSW-1405B  
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**SITE LAYOUT PLAN**

**PART III, ATTACHMENT 1**

**Prepared for:**

**WILLIAMSON COUNTY  
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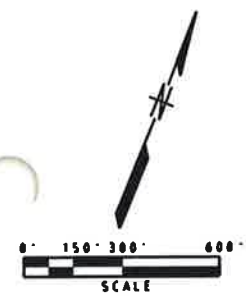
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- III - 1.10 Recycling Facility Site Plan (Added October 2009)



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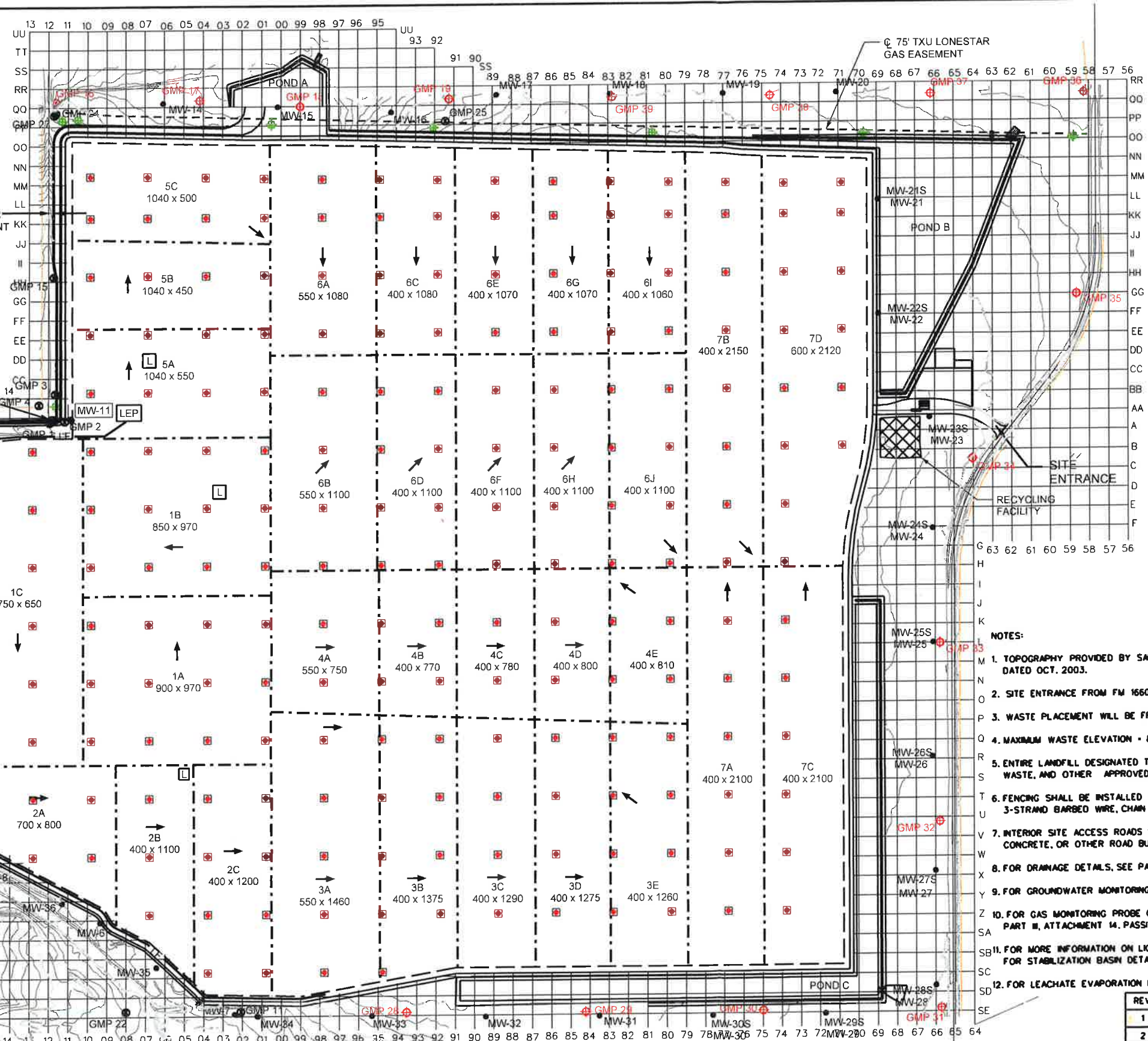


15' JONAH WATER SUPPLY EASEMENT

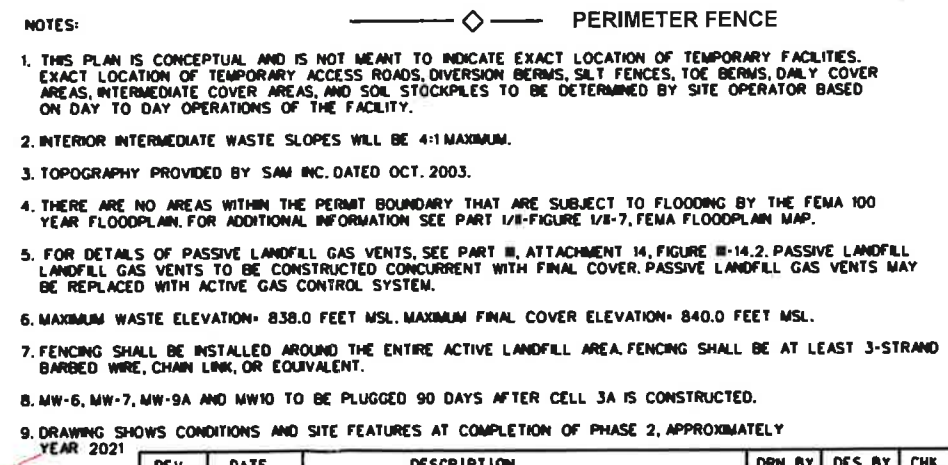
SITE BENCHMARK

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STATE OF TEXAS  
JAMES ROY MURRAY III  
73860  
LICENSED PROFESSIONAL ENGINEER  
8/27/18

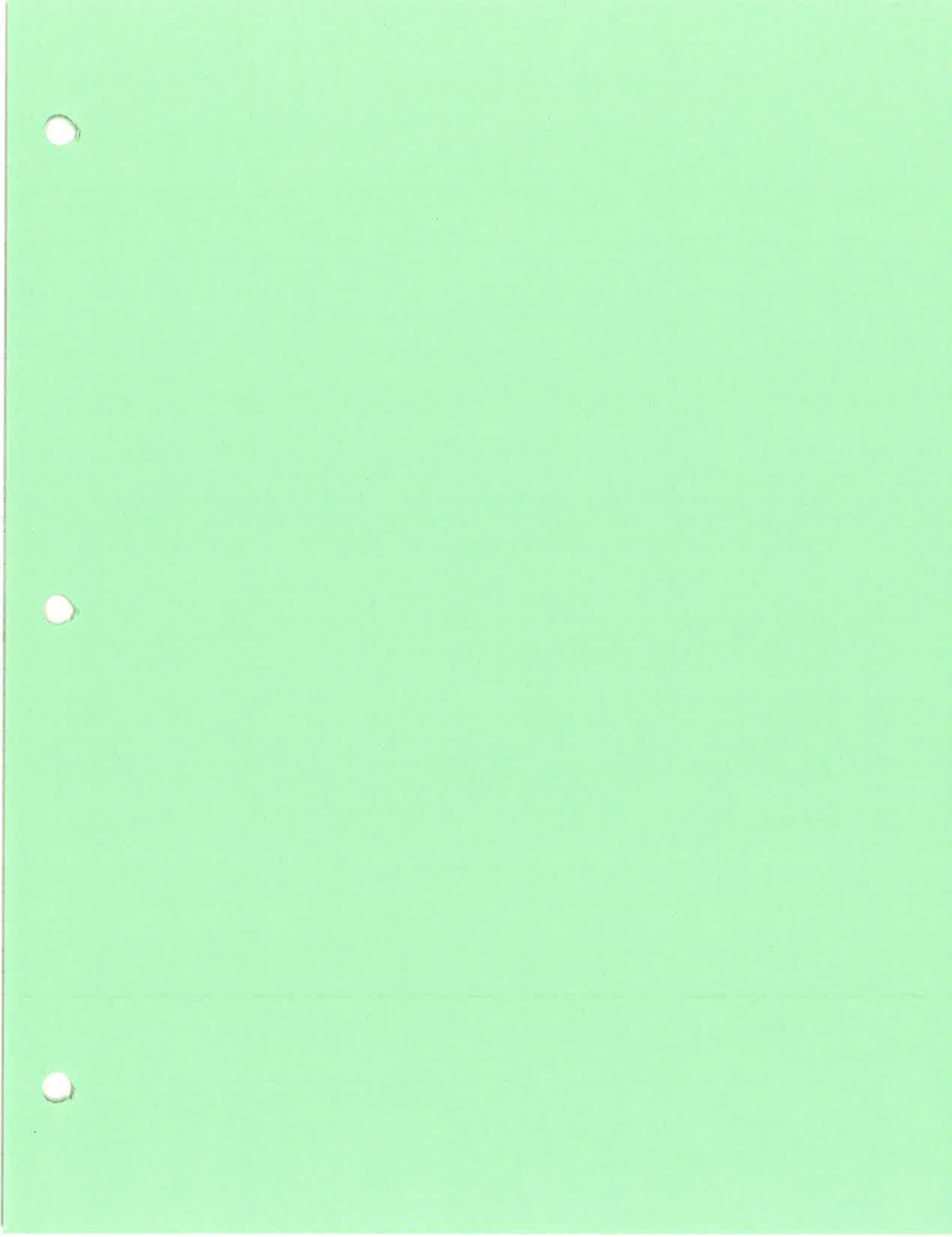






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**WILLIAMSON COUNTY  
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**FORMS**

Example Operating Records Entry Form  
 Example Waste Characterization Data Form  
 Example Load Inspection Report Form  
 Example Waste Discrepancy Report Form

**FIGURES**

Figure IV-1      Liquid Stabilization Basin Details

**APPENDICES**

- A      Alternate Daily Cover Operating Plan
- A.1    Material Safety Data Sheets
- B      Regulated Asbestos Containing Material Handling Plan



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The landfill manager will be responsible for ensuring compliance of day-to-day operations with Texas Commission on Environmental Quality (TCEQ) operating requirements and with the Site Operating Plan. In addition, the landfill manager will oversee all construction activities. The landfill manager will ensure adequate staffing to provide facility operation in accordance with the Site Development Plan (SDP), the SOP, and the TCEQ regulations, and will supervise equipment operators, gate attendants and laborers, and assign duties as necessary. The landfill manager will be responsible for fire protection training of landfill employees according to Section 4.4 of this plan. The landfill manager will be responsible for inspection and/or maintenance of all equipment and operating systems required under the permit (i.e., leachate collection system, methane gas collection system, etc.). The landfill manager will serve as the emergency contact and coordinator for the facility, and will be responsible for maintaining the Site Operating Record and required logs. The landfill manager must be experienced with and have the aptitude to implement operational aspects of solid waste disposal operations including knowledge of relevant regulations and permit requirements, waste-handling and safe management practices for disposal of municipal solid waste,

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of municipal solid waste, health and safety, and waste identification. At a minimum, the landfill manager, will be an experienced manager and will maintain a Class A license as defined in 30 TAC §30.210.

Equipment Operator

Equipment operators shall be trained in the safe operation of landfill vehicles and heavy equipment. Duties to be performed may include spreading and compacting waste and cover soil as needed for the placement and containment of waste, maintaining access roads, establishing and maintaining stormwater drainage, excavation of soils, and construction activities in accordance with the SDP. The equipment operators shall also be responsible for daily inspection of equipment for operational and safety conditions. The equipment operators shall visually observe waste loads as they are placed to help ensure that prohibited wastes are not deposited within the unit. If prohibited wastes are observed, the equipment operators shall immediately notify the landfill manager. The equipment operators shall also assist other landfill personnel in fire protection operations, moving of litter fences, and other duties as directed by the landfill manager.

The minimum qualifications for an equipment operator include a demonstrated proficiency in the operation of heavy equipment and the ability to comprehend and implement the training included in Section 4.1, Personnel Training.

Gate Attendant

The gate attendant(s) shall be responsible for monitoring, documenting and measuring incoming waste and collection of appropriate fees. Duties may include selection of random loads for waste inspections in accordance with Section 4.2 of this plan, and directing waste loads to the appropriate disposal area(s). The gate attendant will be trained in safety procedures and the identification of prohibited wastes. If prohibited wastes are observed, the attendant shall not allow the waste into the landfill and shall immediately notify the landfill manager.

The minimum qualification for a scalehouse attendant includes a demonstrated ability to communicate with the customers and the ability to comprehend and use the scalehouse equipment (i.e., scales, computers, etc.) and the training included in Section 4.1, Personnel Training.

Laborer

Landfill laborers shall have responsibilities as directed by the landfill manager. These duties may include on and off site litter control, fire protection operations, dust control, inspection and maintenance of

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perimeter fences and gate(s) and litter fences and other duties as necessary. Appropriate training will be provided commensurate to the duties and responsibilities of the laborer(s).

The minimum qualifications for a laborer include a demonstrated ability to comprehend the training included in Section 4.1, Personnel Training.

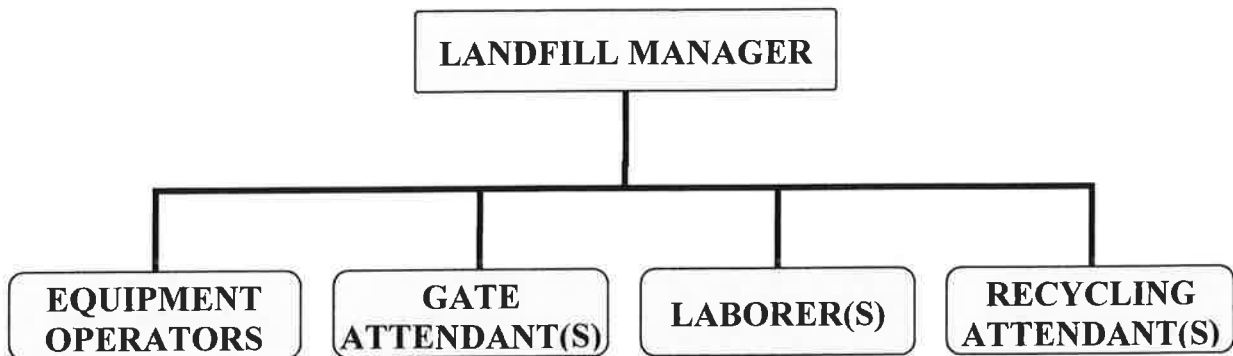
Recycling Facility Attendant

The recycling facility attendant is necessary only if the recycling facility is being operated. The recycling facility is an optional facility.

Recycling facility attendants shall have the responsibility of monitoring the incoming recyclable materials, directing the citizens to the correct drop-off locations of the recyclable materials, maintaining the recycling center, and other responsibilities as directed by the landfill manager. These duties may include on-site litter control, fire protection operations, dust control, inspection and maintenance of perimeter fences and gate(s) and other duties as necessary. Appropriate training will be provided commensurate to the duties and responsibilities of the recycling facility attendant(s).

The minimum qualifications for a recycling facility attendant include a demonstrated ability to communicate with the customers and the ability to comprehend and use the recycling facility equipment (i.e., bailer, forklift, etc.) and demonstrated ability to comprehend the training included in Section 4.1, Personnel Training.

**WILLIAMSON COUNTY RECYCLING AND DISPOSAL FACILITY ORGANIZATIONAL CHART**



**3.0 EQUIPMENT §330.127(2)**

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Heavy equipment available for day to day operations of the disposal areas shall consist of at least one landfill compactor, one dozer (Caterpillar D-8 minimum or equivalent), earth moving equipment (621E Caterpillar Scraper minimum or equivalent or excavator and dump truck(s)), one motor grader (CAT FG 85 or equivalent) and a water truck. When major repairs to heavy equipment are needed, the landfill operator or contractors will make additional equipment of similar size and function available.

The landfill compactor shall be a wheeled compactor with a minimum weight of 40,000 pounds with appropriate cleats for sufficient compaction of wastes. The dozer shall be capable of spreading MSW waste and soils for cover, and performing construction maintenance of on-site roads. The water truck shall be used for spreading water for dust control and fire prevention/protection. The earth moving equipment (i.e., loader and dump truck and/or scraper) shall be capable of moving sufficient volumes of soil as necessary. For additional information regarding the number, size, and capacities of the equipment, see Table A, Williamson County RDF Waste Volume Equipment Schedule. In addition to the required equipment listed in the table below, miscellaneous pickups, and/or other light utility vehicles as well as various portable water pumps, instruments, and safety and training equipment will be on-site as necessary. The pickup truck shall be used to haul landfill personnel within the site to conduct site duties and collect wind blown and spilled litter (both on and off site). The portable pump shall be used for pumping stormwater from excavations and from ponded areas.

The optional recycling center may have a bailer, fork lift and/or front end loader at the facility's option.

**TABLE A**  
**Williamson County RDF**  
**Waste Volume Equipment Schedule**

	Waste Acceptance Rate (Tons Per Day)				Minimum Size	Function
	0 - 1940 (yrs 1 - 8)	1941 - 2981 (yrs 9 - 21)	2982 - 5821 (yrs 22 - 40)	5822 - 6753 (years 41 - 45)		
Compactor	1	2	3	4	CAT 836 or equivalent	Waste and soil spreading and compaction
Dozer	1	2	3	4	CAT D8 or equivalent	Waste spreading, soil spreading and compaction
Scraper	1	2	2	2	10 to 20 cy capacity, various makes	Transportation of cover soil, excavation of new cells
Excavator	1	1	1	1	Various makes	Excavation of new cells (in tandem with dump truck(s), instead of scraper)

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Dump Truck	1	2 or more	2 or more	2 or more	10 to 15 cy capacity, various makes	Transportation of cover soil (in tandem with dump truck(s), instead of scraper)
Maintainer	1	1	1	1	Various makes	Grading of access roads
Water Truck	1	1	1	1	2,000 gallon, various makes	Dust control, fire fighting support
Temporary Litter Fencing	1	1	2	2	200 feet four feet high	Active face litter control
Rotary Broom	1	1	1	1		Sweep roads

- Notes:
1. The years shown under the waste acceptance rates are based on the following assumptions:
    - a. Volumes are calculated by the combined efforts of a D8 dozer and an 836 Compactor handling 215.6 tons per hour.
    - b. The tons per day are based on a 9 hour work day.
  2. Daily waste acceptance rates used to estimate equipment and manpower needs are based on historic annual waste acceptance rate determined by the sum of the previous 4 consecutive quarters divided by the number of days the site was open during the previous 4 consecutive quarters.

See also section 4.4.2 Fire Protection Plan, Operating Standards for additional equipment requirements.

#### 4.0 GENERAL INSTRUCTIONS §330.127(3)

The operational procedures outlined in this SOP will be followed and will be considered a part of the operating record of this MSWLF facility. This facility is designed for Type I MSW disposal and consists of separate phases. Each phase will be constructed as the operations advance.

Operations will be conducted in a professional manner by qualified and trained personnel. Operational objectives will consist of placing the maximum amount of waste in a specified area, and operating the site in compliance with the TCEQ regulations, the site permit, and the SOP.

The following Facility Operations, Inspection, and Maintenance listing includes general instructions that the operating personnel will follow concerning the operational requirements of the facility.