

City of Waco Landfill  
McLennan and Limestone Counties  
TCEQ Permit No. MSW-2400  
Parts I and II

2<sup>nd</sup> Technical Notice-of-Deficiency  
Response

*Prepared for*

**City of Waco**



401 Franklin Avenue  
Waco, Texas 76701

*Prepared by:*

**SCS ENGINEERS**

SCS Project No. 16216088.00 | Revision 2 – March 2019

1901 Central Drive, Suite 550  
Bedford, Texas 76021  
817.571.2288

March 7, 2019  
SCS Project No. 16216088.00

Mr. Eric Clegg  
Municipal Solid Waste Permits Section  
Waste Permits Division (MC-126)  
Texas Commission on Environmental Quality  
12100 Park 35 Circle, Bldg. F  
Austin, TX 78753

Re: Proposed City of Waco Landfill - McLennan and Limestone Counties, Texas  
Municipal Solid Waste - Permit Application No. 2400  
Land-use Compatibility Determination - Notice of Deficiency Response  
Tracking No. 23201563; RN110471307/CN600131940

Dear Mr. Clegg:

On behalf of the City of Waco, SCS Engineers has prepared the following response to the Texas Commission on Environmental Quality's (TCEQ's) February 14, 2019 Land-use Compatibility Determination, Notice-of-Deficiency (NOD) letter, related to a permit application for the proposed City of Waco Landfill, TCEQ Permit No. MSW-2400. **Therefore, the City of Waco withdraws their "Request for Extension to Respond to Second Notice of Deficiency," submitted on February 27, 2019 by Jeffrey S. Reed of Lloyd Gosselink Rochelle & Townsend, P.C.**

Attached to this response letter, we have included one original and two (2) unmarked copies, and one marked copy of all revised pages for use as replacement pages in the permit application. Where possible, we have identified proposed changes from the existing permit application in a redline/strike-out version (i.e., marked version). Additionally, we have included a revision date (March 2019) and revision number (Revision 2) on pages that have been revised as part of this NOD response. Furthermore, we have attached a signed Part 1 Form, and posted this response on the publically accessible internet website.

For ease of review, we have included your original comment from the February 14, 2019 NOD letter, followed by our response and/or revision in ***bold/italics***.

- T1. Well discussion indicates 2 water wells found within 1 mile, however well logs show wells are oil/gas wells. Please clarify. (Location: Drawings I/II-2 and 4, and Section 7.2).

***The two wells in question (39-17-201, drilled 1951 and 39-17-601, drilled 1961) are oil or gas wells that were entered in the Texas Water Development Board (TWDB) database for research [geology] purposes. Based on the water well details provided, neither well is used as a water supply well. The current status of the wells are unknown, and there is no record of them being plugged. Because they are in the TWDB database, these are included in the report and are shown on Drawings I/II-2 and I/II-4.***

***An updated page I/IIB-11 has been provided with these findings, as well as an update to Section 7.2 of Parts I/II.***

- T2. Still awaiting documentation of TxDOT coordination of all proposed public roadway improvements and traffic study. (Location: Section 8.1 and Appendix I/IIA).

*As indicated in our January 8, 2019 letter, a subsequent December 10, 2018 coordination letter to TxDOT documenting projected traffic impacts associated with the proposed landfill, as well as the proposed public roadway improvements documented in Section 8.1 was submitted and is included in Appendix I/IIA.*

*At the time of this response, the City has not received a response letter back from TxDOT on this subsequent coordination letter. Furthermore, the traffic impact analysis (TIA) is still under development by Lee Engineering. As such, following completion of this TIA, Parts I/II, Section 8.1 will be updated accordingly and the TIA will be submitted to TCEQ.*

T3. Submit THC response letter to buffer modifications. (Location: Appendix I/IIA).

*A response has been filed with the THC on February 13, 2019, related to their 12/12/18 comment letter on the archeologic survey report, entitled "An Intensive Cultural Resources Survey of the City of Waco's Proposed Site 50 Landfill Project in McLennan and Limestone Counties, Texas" (comment letter previously provided with our January 8, 2019 letter). This response included resubmittal of the revised archeological survey report in its entirety, which due to its size has not been included in Parts I/II at this time. At the time of preparing this response letter, a follow-up response to the revised report has not been received. Following receipt of the forthcoming approval letter from THC, said approval letter and/or the entire archeological survey report will be added to Appendix I/IIA.*

T4. Still awaiting USACOE response letter and submittal of permits to disturb ephemeral tributaries. (Location: Appendix I/II E).

*At the time of preparing this response, a response letter from the USACOE has not been received. Additionally, as previously indicated in our January 8, 2019 letter, the City is currently preparing an application for an individual permit for disturbance of two small ephemeral tributaries. As such, SCS will update Parts I/II with this individual permit application and USACOE's response once these documents are acquired.*

We trust that our responses will assist you in the completion of your administrative review. If you have any questions or need additional information, please do not hesitate to contact Ryan Kuntz, P.E. at (817) 358-6117.

Sincerely,



Ryan Kuntz, P.E.  
Vice President/Project Director  
SCS Engineers  
TBPE Registration No. F-3407



for Kevin D. Yard, P.E., BCEE  
Vice President/Office Director  
SCS Engineers

Attachments: as described herein

cc: Mr. Charles Dowdell, City of Waco  
Mr. Jeffrey Reed, Lloyd Gosselink Rochelle & Townsend, P.C.

**TCEQ PART 1 FORM FOR NEW PERMIT FOR A MSW FACILITY (TCEQ-0650)**

Facility Name: City of Waco Landfill  
Permittee/Registrant Name: City of Waco  
MSW Authorization #:2400  
Initial Submittal Date: 8/7/2018  
Revision Date: 3/05/2019



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

**1. Reason for Submittal**

☐ Initial Submittal                      ☒ Notice of Deficiency (NOD) Response

**2. Authorization Type**

☒ Permit                                      ☐ Registration

**3. Application Type**

☒ New    ☐ Major Amendment  
☐ Major Amendment (Limited Scope)

**4. Application Fees**

☐ Pay by Check                              ☒ Online Payment

If paid online, e-Pay Confirmation Number: **582EA000311862**

**5. Application URL**

Is the application submitted for Type I Arid Exempt (AE) and/or Type IV AE facility?

☐ Yes                                      ☒ No

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://http://www.waco-texas.com/landfill-application-process.asp>

**6. Application Publishing**

Party Responsible for Publishing Notice:

☐ Applicant                      ☐ Agent in Service                      ☒ Consultant

Contact Name: **Ryan R. Kuntz, P.E.**  
**Director**

Title: **Vice President /Project**

## 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: **Waco-McLennan County Central Library**

Physical Address: **1717 Austin Avenue**

City: **Waco** County: **McLennan** State: **TX** Zip Code: **76701**

(Area code) Telephone Number: **254.750.5941**

## 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

Permit or Approval	Received	Pending	Not Applicable
Hazardous Waste Management Program under the Texas Solid Waste Disposal Act	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Underground Injection Control Program under the Texas Injection Well Act	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
National Pollutant Discharge Elimination System Program under the Clean Water Act and Waste Discharge Program under Texas Water Code, Chapter 26	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Prevention of Significant Deterioration Program under the Federal Clean Air Act (FCAA). Nonattainment Program under the FCAA	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
National Emission Standards for Hazardous Air Pollutants Preconstruction Approval under the FCAA	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Ocean Dumping Permits under the Marine Protection Research and Sanctuaries Act	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Permit or Approval	Received	Pending	Not Applicable
Dredge or Fill Permits under the CWA	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Licenses under the Texas Radiation Control Act	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Other (describe)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Other (describe)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Other (describe)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Other (describe)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

## 12. General Facility Information

Facility Name: **City of Waco Landfill**

Contact Name: **Charles Dowdell**

Title: **Director of Special**

**Projects**

MSW Authorization No. (if available): **2400**

Regulated Entity Reference No. (if issued)\*: **RN110471307**

Physical or Street Address (if available): **4730 T K Parkway**

City: **Axtell** County: **McLennan & Limestone** State: **TX** Zip Code: **76624**

(Area Code) Telephone Number: **(254) 750-1601**

Latitude (Degrees, Minutes Seconds): **N 31° 42' 05.31"**

Longitude (Degrees, Minutes Seconds): **W 96° 55' 52.07"**

Benchmark Elevation (above mean sea level):                      ft.

Provide a description of the location of the facility with respect to known or easily identifiable landmarks: **approximately 0.4 mile south of the intersection of TK Parkway and State Highway 31 in McLennan County**

Detail access routes from the nearest United States or state highway to the facility: **approximately 0.4 mile south of the intersection of TK Parkway and State Highway 31 in McLennan County**

\*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 V

☐ Type I AE

☐ Type IV AE

☐ Type VI

## 14. Activities Conducted at the Facility

☐ Storage

☐ Processing

☒ Disposal



### 15. Facility Waste Management Unit(s)

- |  |   |
|--|---|
| <input checked="" type="checkbox"/> Landfill Unit(s) | <input type="checkbox"/> Incinerator(s)                   |
| <input type="checkbox"/> Class 1 Landfill Unit(s)    | <input type="checkbox"/> Autoclave(s)                     |
| <input type="checkbox"/> Process Tank(s)             | <input type="checkbox"/> Refrigeration Unit(s)            |
| <input type="checkbox"/> Storage Tank(s)             | <input type="checkbox"/> Mobile Processing Unit(s)        |
| <input type="checkbox"/> Tipping Floor               | <input type="checkbox"/> Type VI Demonstration Unit       |
| <input type="checkbox"/> Storage Area                | <input type="checkbox"/> Compost Pile(s) and/or Vessel(s) |
| <input type="checkbox"/> Container(s)                | <input type="checkbox"/> Other (Specify)                  |
| <input type="checkbox"/> Roll-off Boxes              | <input type="checkbox"/> Other (Specify)                  |
| <input type="checkbox"/> Surface Impoundment         | <input type="checkbox"/> 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.

**Proposed Type I Municipal Solid Waste Landfill located on 502.5 acres of land in McLennan and Limestone Counties, designed in accordance with Title 30, Texas Administrative Code, Chapter 330. The primary purpose of this landfill is to serve as a replacement for the current City of Waco landfill (MSW Permit No. 948A). The landfill will provide disposal capacity for residences, businesses, and industries primarily in the communities of McLennan and Limestone Counties and other nearby counties. The landfill will provide disposal of household waste, yard waste, commercial waste, Class 2/3 non-hazardous industrial wastes, C/D waste, and special wastes authroized by TCEQ. Includes responses to TCEQ's February 14, 2019 Notice-of-Deficiency letter.**

### 17. Facility Contact Information

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

Customer Reference No. (if issued)\*: **CN600131940**

Contact Name: **Charles Dowdell**

Title: **Director of Public Works**

Mailing Address: **401 Franklin Avenue**

City: **Waco** County: **McLennan** State: **TX** Zip Code: **76701**

(Area Code) Telephone Number: **(254) 750-1601**

Email Address: **charlesd@ci.waco.tx.us**

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 Permittee**

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:

<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, TBPE Registration No. F-3407**

Texas Board of Professional Engineers Firm Registration Number:

Contact Name: **Ryan R. Kuntz, P.E.**

Title: **Vice Pres., Pr. Director**

Mailing Address: **1901 Central Drive, Suite 550**

City: **Bedford** County: **Tarrant** State: **TX** Zip Code: **76021**

(Area Code) Telephone Number: **817.358.6117**

E-Mail Address: **rkuntz@scseng.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: Waco**

District Engineer's Name: **Stanley Swiatek, P.E.**

Street Address or P.O. Box: **100 S. Loop Drive**

City: **Waco** County: **McLennan** State: **TX** Zip Code: **76704-2858**

(Area Code) Telephone Number: **(254) 867-2700**

E-Mail Address (optional):

**The Local Governmental Authority Responsible for Road Maintenance (if applicable): N.A.**

Contact Person's Name:

Street Address or P.O. Box:

City: County: State: Zip Code:

(Area Code) Telephone Number:

E-Mail Address (optional):

**City Mayor Information**

City Mayor's Name: **Kyle Deaver**

Office Address: **300 Austin Ave**

City: **Waco** County: **McLennan** State: **TX** Zip Code: **76702**

(Area Code) Telephone Number: **(254) 750-5750**

E-Mail Address (optional): **kyle.deaver@wcotx.gov**

**City Health Authority:**

Contact Person's Name: **Sherry Williams, RNC, WHNP**

Street Address or P.O. Box: **225 W. Waco Drive**

City: **Waco** County: **McLennan** State: **TX** Zip Code: **76707**

(Area Code) Telephone Number: **(254) 750-5450**

E-Mail Address (optional):

**County Judge Information**

County Judge's Name: **Scott M. Felton**

Street Address or P.O. Box: **501 Washington Ave, Room 214**

City: **Waco** County: **McLennan** State: **TX** Zip Code: **76701**

(Area Code) Telephone Number: **(254) 757-5049**

E-Mail Address (optional):

**County Health Authority: Waco-McLennan Health District**

Contact Person's Name: **Sherry Williams, RNC, WHNP**

Street Address or P.O. Box: **225 W. Waco Drive**

City: **Waco** County: **McLennan** State: **TX** Zip Code: **76707**

(Area Code) Telephone Number: **(254) 750-5450**

E-Mail Address (optional):

**State Representative Information**

District Number: **12**

State Representative's Name: **Kyle Kacal**

District Office Address: **3000 Briarcrest Dr., Ste 203**

City: **Bryan** County: **Brazos** State: **TX** Zip Code: **77802**

(Area Code) Telephone Number: **979-774-7276**

E-Mail Address (optional):

**State Senator Information**

District Number: **22**

State Senator's Name: **The Honorable Brian Birdwell**

District Office Address: **900 Austin Ave, Suite 500**

City: **Waco** County: **McLennan** State: **TX** Zip Code: **76701**

(Area Code) Telephone Number: **(254) 772-6225**

E-Mail Address (optional):

**Council of Government (COG) Name: Heart of Texas**

COG Representative's Name: **Falen Bohannon**

COG Representative's Title: **Solid Waste Program Manager**

Street Address or P.O. Box: **1514 S. New Road**

City: **Waco** County: **McLennan** State: **TX** Zip Code: **76711**

(Area Code) Telephone Number: **(254)292-1800**

E-Mail Address (optional): **Falen.Bohannon@hotmail.com**

**County Judge Information**

County Judge's Name: **Limestone County Judge: Honorable Richard Duncan**

Street Address or P.O. Box: **200 W. Slate ST., Ste 101**

City: **Groesbeck** County: **Limestone** State: **TX** Zip Code: **76642**

(Area Code) Telephone Number: **254-729-3810**

E-Mail Address (optional):

**County Health Authority: Limestone Medical Center**

Contact Person's Name: **Dr. Jeffrey Rettig**

Street Address or P.O. Box: **204 W. Trinity Street**

City: **Groesbeck** County: **Limestone** State: **TX** Zip Code: **76642**

(Area Code) Telephone Number: **254-729-3740**

E-Mail Address (optional):

**State Representative Information**

District Number: **12**

State Representative's Name: **Kyle Kacal**

District Office Address: **3000 Briarcrest Dr., Ste 203**

City: **Bryan** County: **Brazos** State: **TX** Zip Code: **77802**

(Area Code) Telephone Number: **979-774-7276**

E-Mail Address (optional):

**State Senator Information**

District Number: **5**

State Senator's Name: **Charles Schwertner**

District Office Address: **3000 Briarcrest Drive, Suite 202**

City: **Bryan** County: **Brazos** State: **TX** Zip Code: **77802**

(Area Code) Telephone Number: **979-776-0222**

E-Mail Address (optional):

**Council of Government (COG) Name: Heart of Texas**

COG Representative's Name: **Falen Bohannon**

COG Representative's Title: **Solid Waste Program Manager**

Street Address or P.O. Box: **1514 S. New Road**

City: **Waco** County: **McLennan** State: **TX** Zip Code: **76711**

(Area Code) Telephone Number: **(254)292-1800**

E-Mail Address (optional): **Falen.Bohannon@hotmail.com**

**River Basin Authority Name: Brazos River Authority**

Contact Person's Name: **Phil Ford**

Watershed Sub-Basin Name:

Street Address or P.O. Box: **4600 Cobbs Drive**

City: **Waco** County: **McLennan** State: **TX** Zip Code: **76710**

(Area Code) Telephone Number: **(888) 922-6272**

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:

Within Extraterritorial Jurisdiction of:

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, Wiley Stem III, \_\_\_\_\_  
(Site Operator (Permittee/Registrant)'s Authorized Signatory) \_\_\_\_\_ City Manager,  
(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: Wiley Stem III

Date: 03-07-19

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 Wiley Stem III

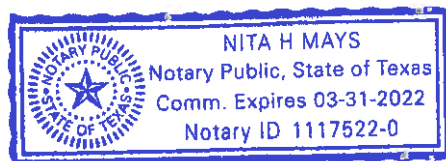
On this 7th day of March, 2019

My commission expires on the 31st day of March, 2022

Nita H Mays  
Notary Public in and for

McHennan County, Texas

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



## Part I Attachments

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

<b>Required Attachments</b>	<b>Attachment No.</b>
Supplementary Technical Report	X
Property Legal Description	X
Property Metes and Bounds Description	X
Facility Legal Description	X
Facility Metes and Bounds Description	X
Metes and Bounds Drawings	X
On-Site Easements Drawing	X
Land Ownership Map	X
Land Ownership List	X
Electronic List or Mailing Labels	X
Texas Department of Transportation (TxDOT) County Map	X
General Location Map	X
General Topographic Map	X
Verification of Legal Status	X
Property Owner Affidavit	X
Evidence of Competency	X
<b>Additional Attachments as Applicable- Select all those apply and add as necessary</b>	
<input checked="" type="checkbox"/> TCEQ Core Data Form(s)	X
<input checked="" type="checkbox"/> Signatory Authority Delegation	X
<input checked="" type="checkbox"/> Fee Payment Receipt	X
<input type="checkbox"/> Confidential Documents	
<input type="checkbox"/> Waste Storage, Processing and Disposal Ordinances	
<input type="checkbox"/> Final Plat Record of Property	
<input type="checkbox"/> Certificate of Fact (Certificate of Incorporation)	
<input type="checkbox"/> Assumed Name Certificate	



**MARKED VERSION**

**CITY OF WACO LANDFILL  
TCEQ PERMIT NO. MSW-2400  
McLENNAN AND LIMESTONE COUNTIES, TEXAS**

**PARTS I/II  
GENERAL APPLICATION REQUIREMENTS**

**Prepared for:**

**CITY OF WACO**

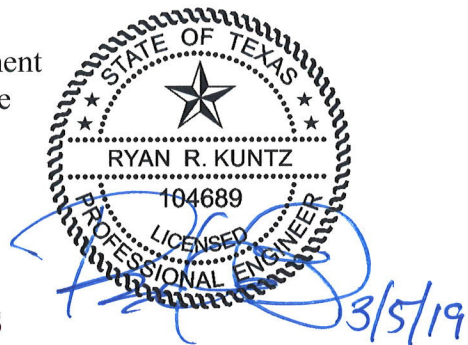


Public Works Department  
401 Franklin Avenue  
Waco, TX 76701

**Prepared by:**

**SCS ENGINEERS**

**Texas Board of Professional Engineers, Reg. No. F-3407**  
Dallas/Fort Worth Office  
1901 Central Drive, Suite 550  
Bedford, Texas 76021  
817/571-2288



Revision 0 - August 2018, September 2018 (Admin NOD #1)

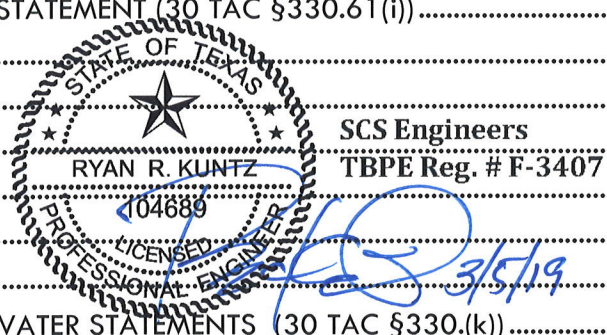
Revision 1 – January 2019

Revision 2 – March 2019

SCS Project No. 16216088.00

## TABLE OF CONTENTS

<b>SECTION</b>	<b>PAGE</b>
LIST OF ACRONYMS .....	iv
SUPPLEMENTARY TECHNICAL REPORT .....	v
Supplementary Technical Report .....	v
1 INTRODUCTION.....	1-1
2 GENERAL INFORMATION .....	2-1
2.1 Project Overview .....	2-1
2.2 Waste Acceptance Plan (30 TAC §330.61(b)).....	2-1
2.3 Easements and Buffer Zones.....	2-3
2.4 Agency Coordination .....	2-3
3 EXISTING CONDITIONS SUMMARY (30 TAC §330.61(a)) .....	3-1
4 MAPS (30 TAC §330.59(c)).....	4-1
5 LANDOWNERS' MAP AND LIST.....	5-1
6 AERIAL PHOTOGRAPH.....	6-1
7 LAND-USE AND IMPACT ON SURROUNDING AREA (30 TAC §330.61(g) & (h)).....	7-1
7.1 Land Use Analysis (30 TAC §330.61(g) & (h)(1)-(4)) .....	7-1
7.2 Water Wells Within 500 Feet (30 TAC §330.61(h)(5)) AND ONE-MILE (30 TAC §305.45(A)(6)(A)) .....	7-1
7.3 Abandoned Oil and Water Wells (30 TAC §330.61(l)) .....	7-1
8 TRANSPORTATION (30 TAC §330.61(i)).....	8-1
8.1 Traffic Information.....	8-1
8.2 Airports (30 TAC §330.619(c)(8) & §330.545).....	8-1
9 GENERAL GEOLOGY AND SOILS STATEMENT (30 TAC §330.61(i)).....	9-1
9.1 Regional Geologic Setting .....	9-1
9.2 Site Geology .....	9-1
9.3 On-Site Soils .....	9-1
9.4 Fault Areas.....	9-2
9.5 Seismic Impact Zones.....	9-2
9.6 Unstable Areas.....	9-3
10 GROUNDWATER AND SURFACE WATER STATEMENTS (30 TAC §330.(k)).....	10-1
10.1 Groundwater Statement.....	10-1
10.2 Surface Water Statement.....	10-1
11 FLOODPLAIN AND WETLANDS STATEMENT (30 TAC §330.61(m)) .....	11-1
11.1 Floodplain Statement .....	11-1
11.2 Wetlands Statement.....	11-1



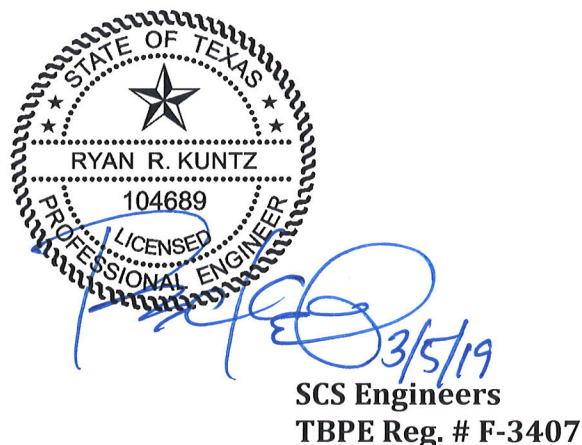
12	PROTECTION OF ENDANGERED or threatened SPECIES (30 TAC §330.61(n)).....	12-1
13	LEGAL DESCRIPTION (30 TAC §330.59(d)(1)).....	13-1
14	PROPERTY OWNER AFFIDAVIT (30 TAC §330.59(d)(2)).....	14-1
15	LEGAL AUTHORITY (30 TAC §330.59(e)) .....	15-1
16	EVIDENCE OF COMPETENCY (30 TAC §330.59(f)) .....	16-1
	16.1 City of Waco.....	16-1
	16.2 The City of Waco Key Personnel.....	16-1
	16.3 Equipment to be Dedicated to this Landfill.....	16-2
	16.4 Other Permits / Authorizations.....	16-4
17	APPOINTMENTS (30 TAC §330.59(g)).....	17-1

## Drawings

Drawing I/II-1: Site Location Map  
Drawing I/II-2: General Topographic Map (includes Wind Rose)  
Drawing I/II-3: Landowner's Map  
Drawing I/II-4: Aerial Photograph (9 inch X 9 inch)  
Drawing I/II-5: Facility Layout Map  
Drawing I/II-6: Regional Tectonic/Geology Map  
Drawing I/II-7: Seismic Impact Map

## Appendices

I/IIA Demonstration of Coordination  
I/IIB Water, Oil, and Natural Gas Well Search  
I/IIC Land-Use Analysis  
I/IID TxDOT Waco District Traffic Map  
I/IIIE Section 404 Jurisdictional Determination  
I/IIIF Certified City Charter



## 7 LAND-USE AND IMPACT ON SURROUNDING AREA (30 TAC §330.61(G) & (H))

### 7.1 LAND USE ANALYSIS (30 TAC §330.61(G) & (H)(1)-(4))

See report by John Worrall Consulting LLC in Appendix I/IIC, which addresses the TCEQ regulations listed above.

### 7.2 WATER WELLS WITHIN 500 FEET (30 TAC §330.61(H)(5)) AND ONE-MILE (30 TAC 305.45(A)(6)(A))

A water well search was performed by Atlas Environmental Research for water wells located within 500 feet and one-mile of the property. This water well search indicates no known water wells within 500 feet of the permit boundary, and no known in use water wells exist within the property boundary.

There are two existing ~~water~~-wells within one-mile of the property boundary, as reported in the Texas Water Development Board (TWDB) database, one located approximately 1,900 feet northwest and one located approximately 1,150 feet northeast of the property boundary. Based on the well details (see Appendix I/IIB) provided, these wells (39-17-201 and 39-17-601) are oil or gas wells and do not appear to be used as water supply wells. The current status of these wells is unknown, and there is no record of them being plugged. The locations of both ~~water~~ wells are depicted on Drawings I/II-2 and I/II-4. The wells are shown as potential water wells, since they were entered into and listed in the TWDB database.

~~This~~ Both of the above described water well reports are provided in Appendix I/IIB.

### 7.3 ABANDONED OIL AND WATER WELLS (30 TAC §330.61(L))

There are no known existing or abandoned water wells situated within the permit boundary. If water wells are discovered on the Site, the City of Waco will provide the TCEQ with written certification within 30 days of discovery that these wells have been properly capped, plugged, and closed in accordance with all applicable rules and regulations of the commission or other state agency.

Atlas Environmental Research also performed a search for existing or abandoned oil and natural gas wells within the property boundary. Based on this search, there are no known existing or abandoned on-site crude oil or natural gas wells, or other wells associated with mineral recovery that are under the jurisdiction of the Railroad Commission of Texas. This well report is also provided in Appendix I/IIB.

If any oil or natural gas wells are discovered within the permit boundary, the City of Waco will provide written notification to TCEQ of their location. If any discovered well is within the waste disposal footprint or may impact operations of the landfill, the City of Waco will provide the

TCEQ with written certification within 30 days of discovery that these wells have been properly capped, plugged, and closed in accordance with all applicable rules and regulations of the Railroad Commission of Texas.

## **APPENDIX I/IIA**

### **DEMONSTRATION OF COORDINATION (30 TAC 330.51(b)(5-10))**

- Coordination with Texas Parks and Wildlife Department
- Coordination with U.S. Department of the Interior, Fish and Wildlife Service
- Coordination with Texas Historic Commission
- Coordination with U.S. Army Corp of Engineers
- Coordination with Texas Department of Transportation
- Coordination with Heart of Texas Council of Governments
- Coordination with Federal Aviation Administration



## COORDINATION WITH TEXAS HISTORIC COMMISSION

**APPENDIX I/IIB**  
**WATER, OIL, AND NATURAL GAS WELL SEARCH**

# Atlas E.R. Water Well Search

Waco Site 50  
Happy Swaner Lane  
Limestone and McLennan Counties  
Atlas Job #18-04-020

Atlas Environmental Research has located 2 wells (oil or gas wells) in the state's water well records system in the area of review.

## Located Water Wells – 2\*

39-17-201

39-17-601

\*Note: both wells listed are oil or gas wells. Some of the electric logs stored in Surface Casing were entered into the TWDB's water well system for research purposes. Since they appear in the water well records system, they are included in this report.

## Plotted Water Wells – 0

## Partially Numbered Water Wells – 0

## Unnumbered Water Wells – 0

## Public Water Supply Wells – 0

These wells have been labeled on the attached map with the final portion of the state well number. This portion of the state well number has also been highlighted on the corresponding drillers log. The information for each USGS quadrangle utilized for the well location map is listed below.

Quadrangle  
Axtell, Texas

Date  
1956 (Photorevised 1978)

Contours  
10 Feet

Quadrangle Scale: 1:24000; 1" = 2000'

**UNMARKED VERSION**

**CITY OF WACO LANDFILL  
TCEQ PERMIT NO. MSW-2400  
McLENNAN AND LIMESTONE COUNTIES, TEXAS**

**PARTS I/II  
GENERAL APPLICATION REQUIREMENTS**

**Prepared for:**

**CITY OF WACO**



Public Works Department  
401 Franklin Avenue  
Waco, TX 76701

**Prepared by:**

**SCS ENGINEERS**

**Texas Board of Professional Engineers, Reg. No. F-3407**  
Dallas/Fort Worth Office  
1901 Central Drive, Suite 550  
Bedford, Texas 76021  
817/571-2288



Revision 0 - August 2018, September 2018 (Admin NOD #1)  
Revision 1 – January 2019  
Revision 2 – March 2019  
SCS Project No. 16216088.00

## TABLE OF CONTENTS

<b>SECTION</b>	<b>PAGE</b>
LIST OF ACRONYMS .....	iv
SUPPLEMENTARY TECHNICAL REPORT .....	v
Supplementary Technical Report .....	v
1 INTRODUCTION.....	1-1
2 GENERAL INFORMATION .....	2-1
2.1 Project Overview .....	2-1
2.2 Waste Acceptance Plan (30 TAC §330.61(b)).....	2-1
2.3 Easements and Buffer Zones.....	2-3
2.4 Agency Coordination .....	2-3
3 EXISTING CONDITIONS SUMMARY (30 TAC §330.61(a)) .....	3-1
4 MAPS (30 TAC §330.59(c)).....	4-1
5 LANDOWNERS' MAP AND LIST.....	5-1
6 AERIAL PHOTOGRAPH.....	6-1
7 LAND-USE AND IMPACT ON SURROUNDING AREA (30 TAC §330.61(g) & (h)).....	7-1
7.1 Land Use Analysis (30 TAC §330.61(g) & (h)(1)-(4)) .....	7-1
7.2 Water Wells Within 500 Feet (30 TAC §330.61(h)(5)) AND ONE-MILE (30 TAC §305.45(A)(6)(A)) .....	7-1
7.3 Abandoned Oil and Water Wells (30 TAC §330.61(l)) .....	7-1
8 TRANSPORTATION (30 TAC §330.61(i)).....	8-1
8.1 Traffic Information.....	8-1
8.2 Airports (30 TAC §330.619(c)(8) & §330.545).....	8-1
9 GENERAL GEOLOGY AND SOILS STATEMENT (30 TAC §330.61(i)) .....	9-1
9.1 Regional Geologic Setting .....	9-1
9.2 Site Geology .....	9-1
9.3 On-Site Soils .....	9-1
9.4 Fault Areas.....	9-2
9.5 Seismic Impact Zones.....	9-2
9.6 Unstable Areas.....	9-3
10 GROUNDWATER AND SURFACE WATER STATEMENTS (30 TAC §330.(k)) .....	10-1
10.1 Groundwater Statement.....	10-1
10.2 Surface Water Statement.....	10-1
11 FLOODPLAIN AND WETLANDS STATEMENT (30 TAC §330.61(m)) .....	11-1
11.1 Floodplain Statement .....	11-1
11.2 Wetlands Statement.....	11-1



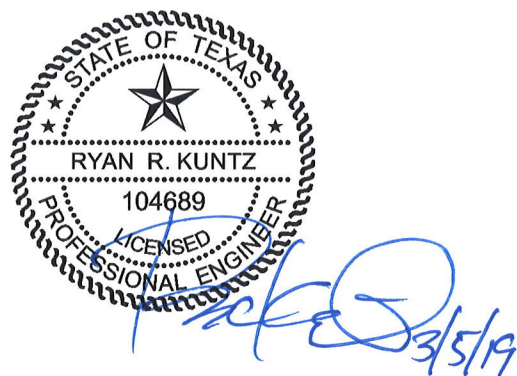
12	PROTECTION OF ENDANGERED or threatened SPECIES (30 TAC §330.61(n)).....	12-1
13	LEGAL DESCRIPTION (30 TAC §330.59(d)(1)).....	13-1
14	PROPERTY OWNER AFFIDAVIT (30 TAC §330.59(d)(2)).....	14-1
15	LEGAL AUTHORITY (30 TAC §330.59(e)) .....	15-1
16	EVIDENCE OF COMPETENCY (30 TAC §330.59(f)) .....	16-1
16.1	City of Waco.....	16-1
16.2	The City of Waco Key Personnel.....	16-1
16.3	Equipment to be Dedicated to this Landfill.....	16-2
16.4	Other Permits / Authorizations.....	16-4
17	APPOINTMENTS (30 TAC §330.59(g)).....	17-1

## Drawings

Drawing I/II-1: Site Location Map  
Drawing I/II-2: General Topographic Map (includes Wind Rose)  
Drawing I/II-3: Landowner's Map  
Drawing I/II-4: Aerial Photograph (9 inch X 9 inch)  
Drawing I/II-5: Facility Layout Map  
Drawing I/II-6: Regional Tectonic/Geology Map  
Drawing I/II-7: Seismic Impact Map

## Appendices

I/IIA Demonstration of Coordination  
I/IIB Water, Oil, and Natural Gas Well Search  
I/IIC Land-Use Analysis  
I/IID TxDOT Waco District Traffic Map  
I/IIIE Section 404 Jurisdictional Determination  
I/IIIF Certified City Charter



**SCS Engineers**  
**TBPE Reg. # F-3407**



## **7 LAND-USE AND IMPACT ON SURROUNDING AREA (30 TAC §330.61(G) & (H))**

### **7.1 LAND USE ANALYSIS (30 TAC §330.61(G) & (H)(1)-(4))**

See report by John Worrall Consulting LLC in Appendix I/IIC, which addresses the TCEQ regulations listed above.

### **7.2 WATER WELLS WITHIN 500 FEET (30 TAC §330.61(H)(5)) AND ONE-MILE (30 TAC 305.45(A)(6)(A))**

A water well search was performed by Atlas Environmental Research for water wells located within 500 feet and one-mile of the property. This water well search indicates no known water wells within 500 feet of the permit boundary, and no known in use water wells exist within the property boundary.

There are two existing wells within one-mile of the property boundary, as reported in the Texas Water Development Board (TWDB) database, one located approximately 1,900 feet northwest and one located approximately 1,150 feet northeast of the property boundary. Based on the well details (see Appendix I/IIB) provided, these wells (39-17-201 and 39-17-601) are oil or gas wells and do not appear to be used as water supply wells. The current status of these wells is unknown, and there is no record of them being plugged. The locations of both wells are depicted on Drawings I/II-2 and I/II-4. The wells are shown as potential water wells, since they were entered into and listed in the TWDB database.

Both of the above described water well reports are provided in Appendix I/IIB.

### **7.3 ABANDONED OIL AND WATER WELLS (30 TAC §330.61(L))**

There are no known existing or abandoned water wells situated within the permit boundary. If water wells are discovered on the Site, the City of Waco will provide the TCEQ with written certification within 30 days of discovery that these wells have been properly capped, plugged, and closed in accordance with all applicable rules and regulations of the commission or other state agency.

Atlas Environmental Research also performed a search for existing or abandoned oil and natural gas wells within the property boundary. Based on this search, there are no known existing or abandoned on-site crude oil or natural gas wells, or other wells associated with mineral recovery that are under the jurisdiction of the Railroad Commission of Texas. This well report is also provided in Appendix I/IIB.

If any oil or natural gas wells are discovered within the permit boundary, the City of Waco will provide written notification to TCEQ of their location. If any discovered well is within the waste disposal footprint or may impact operations of the landfill, the City of Waco will provide the

TCEQ with written certification within 30 days of discovery that these wells have been properly capped, plugged, and closed in accordance with all applicable rules and regulations of the Railroad Commission of Texas.

## **APPENDIX I/IIA**

### **DEMONSTRATION OF COORDINATION (30 TAC 330.51(b)(5-10))**

- Coordination with Texas Parks and Wildlife Department
- Coordination with U.S. Department of the Interior, Fish and Wildlife Service
- Coordination with Texas Historic Commission
- Coordination with U.S. Army Corp of Engineers
- Coordination with Texas Department of Transportation
- Coordination with Heart of Texas Council of Governments
- Coordination with Federal Aviation Administration

## **COORDINATION WITH TEXAS HISTORIC COMMISSION**

**Kuntz, Ryan**

---

**From:** Info\_Tech@thc.state.tx.us  
**Sent:** Wednesday, February 13, 2019 10:43 AM  
**To:** Russ Brownlow  
**Subject:** Project Review Submission

**Thank you for submitting supplement:** City of Waco Site 50 Landfill Project

**Tracking Number:** 201904975

**Due Date:** 3/15/2019 10:42:42 AM

**TEXAS HISTORICAL COMMISSION**

**Do Not Repsond to This Email**

**APPENDIX I/IIB**  
**WATER, OIL, AND NATURAL GAS WELL SEARCH**

# Atlas E.R. Water Well Search

Waco Site 50  
Happy Swaner Lane  
Limestone and McLennan Counties  
Atlas Job #18-04-020

Atlas Environmental Research has located **2** wells (oil or gas wells) in the state's water well records system in the area of review.

## Located Water Wells – 2\*

39-17-201

39-17-601

\*Note: both wells listed are oil or gas wells. Some of the electric logs stored in Surface Casing were entered into the TWDB's water well system for research purposes. Since they appear in the water well records system, they are included in this report.

## Plotted Water Wells – 0

## Partially Numbered Water Wells – 0

## Unnumbered Water Wells – 0

## Public Water Supply Wells – 0

These wells have been labeled on the attached map with the final portion of the state well number. This portion of the state well number has also been highlighted on the corresponding drillers log. The information for each USGS quadrangle utilized for the well location map is listed below.

Quadrangle  
Axtell, Texas

Date  
1956 (Photorevised 1978)

Contours  
10 Feet

Quadrangle Scale: 1:24000; 1" = 2000'