

CORRESPONDENCE COVER SHEET WASTE PERMITS DIVISION TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Date: May 21, 2019 Facility Name: City of Kingsville Landfill Permit or Registration No.: MSW 235-C *If Response/Revision, please provide previous TCEQ Tracking (Previous TCEQ Tracking No. can be found in the Subject line				
This cover sheet should accompany all correspondences submitted to the Waste Permits Division and should be affixed to the front of your submittal as a cover page. Please check the appropriate box for the type of correspondence being submitted. For questions regarding this form, please contact the Waste Permits Division at (512) 239-2335.				
APPLICATIONS	Jul 50	REPORTS and RESPONSES		
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Minor Amendment		roundwater Statistical Evaluation		
Limited Scope Major Amendment	=	andfill Gas Corrective Action		
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Other:		aste Minimization Report		
		ther:		

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Hanson Professional Services Inc. 4501 Gollihar Road Corpus Christi, TX 78411 (361) 814-9900 Fax: (361) 814-4401

www.hanson-inc.com

May 21, 2019

Mr. Arten Avakian, P.G. Municipal Solid Waste Section Waste Permits Division (MC 124) Texas Commission on Environmental Quality P.O. Box 13087 Austin, TX 78711-3087

Re: City of Kingsville Landfill – Kleberg County

Municipal Solid Waste (MSW) - Permit No. 235C

Permit Amendment Application – Supplemental Information

Tracking No. 23301130, 23458984, and 24040819; RN102334570/CN600674246

Dear Mr. Avakian,

On behalf of the City of Kingsville and in response to your May 20, 2019 email requesting supplemental information, we hereby submit the enclosed response regarding the Permit Amendment Application for the above referenced MSW facility.

For your convenience, we have included the comments from the May 20, 2019 email (numbered accordingly) followed by the corresponding responses in italics.

Where items from the original application have been noted as revised, a redline/strikeout version is included and a replacement copy ("clean copy") of the applicable section or attachment has been provided to allow you to substitute the items in the binders for the originally submitted application.

TCEQ May 20, 2019 Email Item #1:

TCEQ Comment

What is the elevation of the bottom of the pre-Subtitle D unit? Permit history (Sec. 1.2 in Part I, Attachment 1) states approximate elevation of 40 msl, whereas landfill cross sections (Part III, Attachment 2, Figures III.2-2, 2-4, and 2.5) and geologic cross sections (Part III, Attachment 4, sections A-A' through D-D') show the bottom at 50 msl.

Response:

The 235-B permit amendment identified the bottom elevation of the originally permitted 40 acres (Permit No. 235) to be approximately 40 msl but it was determined that it was actually approximately 50 msl. The bottom elevation of the additionally permitted 34.85 acres (Permit No. 235-A) is approximately 40 msl.

Part I, Attachment 1, Page 1, Section 1.2 - Permit History has been revised to explain that the originally permitted 40 acres (Permit No. 235) bottom elevation is approximately 50 msl and the bottom elevation for the 34.85 acres added as part of the 1986 permit amendment (Permit No 235-A) is approximately 40 msl.

Mr. Arten Avakian, P.G. Municipal Solid Waste Section, Waste Permits Division Texas Commission on Environmental Quality May 21, 2019

- 2 -

TCEQ May 20, 2019 Email Item #2:

TCEQ Comment

The lines on the geologic cross sections to show the bottom grade from the Subtitle D units are broken and discontinuous in places.

Response:

The placement of some of the soil identification labels were placed over the lines showing the bottom grade from the Subtitle D units.

The geologic cross sections were revised to move the soil identification labels, showing that the bottom grade from the Subtitle D units are continuous and not broken.

TCEQ May 20, 2019 Email Item #3:

TCEQ Comment

Please clarify the configuration of fill(?) material lapping onto the pre-Subtitle D unit, illustrated on geologic cross section B-B at ~7+00 to 8+00 on the horizontal axis. Similar irregularities on cross sections C-C' and D-D'.

Response:

Geologic cross section B-B', C-C' and D-D' have been revised to differentiate the fill material from insitu soil.

One (1) original and one (1) copy of the response with applicable application revisions and a redline strikeout version are included and one (1) copy of the response with applicable application revisions and a redline strikeout version has been sent to the TCEQ Corpus Christi Region Office, to the attention of the Waste Section Manager. As noted in the Part I form, the response documents will be posted to a publicly accessible internet web site. If, while reviewing this response, you have any questions or would like additional information, please don't hesitate to contact me.

Sincerely,

HANSON PROFESSIONAL SERVICES INC.

Jon M. Reinhard, P.E.

Project Engineer

cc: Waste Section Manager, TCEQ Corpus Christi Region Office Bill Donnell, Kingsville Public Works Director (2 copies)

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PERMIT AMENDMENT APPLICATION Volume 1 of 6



CITY OF KINGSVILLE, KLEBERG COUNTY, TEXAS

September 2018

Revision 1 – November 2018

Revision 2 – February 2019

Revision 3 – April 2019

Revision 4 – May 2019

Revision 5 – May 2019

For Permitting Purposes Only

JON M. REINHARD

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PERMIT AMENDMENT APPLICATION



CITY OF KINGSVILLE, KLEBERG COUNTY, TEXAS

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PERMIT AMENDMENT APPLICATION Part I



CITY OF KINGSVILLE, KLEBERG COUNTY, TEXAS

September 2018

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Revision 5 – May 2019

JON M. REINHARD
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TBPE F-417 HANSON PROJECT NO. 16L0438-0003

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For Permitting Purposes Only

JON M. REINHARD

64541

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TBPE Firm No. F-417

Facility Name: City of Kingsville Landfill

Permittee/Registrant Name: City of Kingsville

MSW Authorization #:235C

Initial Submittal Date: September/2018

Revision Date: May/2019



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

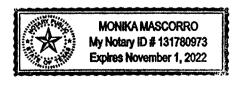
1.	Reason for Submittal			
	☐ Initial Submittal	\boxtimes	Notice of Deficien	cy (NOD) Response
2.	Authorization Type			
	□ Permit		Registration	
3.	Application Type			
l	New	\boxtimes	Major Amendmen	nt
			Major Amendmen	nt (Limited Scope)
4.	Application Fees			
	☐ Pay by Check	\boxtimes	Online Payment	
	If paid online, e-Pay Confirmation Number: Trace Number: 582EA000315158, Voucher Number: 385823, Voucher Number: 385824			
5.	Application URL			
	Is the application submitted for Type I Arid Exempt (AE) and/or Type IV AE facility?			AE) and/or Type IV AE facility?
	☐ Yes			
	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://www.cityofkingsville.com/departments/public-works/landfill/landfill-amendment-application/			
6.	Application Publishing			
	Party Responsible for Publishin	g No	otice:	
	☐ Applicant ☐ Ag	gent	in Service	
ı	Contact Name: Scot Collins.	PG		Title: Project Manager

Facility Name: City of Kingsville Landfill MSW Authorization #: 235C

Initial Submittal Date: September/2018 Revision Date: May/2019

Signature Page

I, <u>William A. Donne II</u> , (Site Operator (Permittee/Registrant)'s Authorized Signatory)	Public Works Director, (Title)
certify under penalty of law that this document and all attachm my direction or supervision in accordance with a system design personnel properly gather and evaluate the information submitt the person or persons who manage the system, or those persor gathering the information, the information submitted is, to the belief, true, accurate, and complete. I am aware there are sign submitting false information, including the possibility of fine and violations.	ed to assure that qualified ted. Based on my inquiry of as directly responsible for best of my knowledge and difficant penalties for
Signature: MAVanell	Date: <u>5-21-2019</u>
TO BE COMPLETED BY THE OPERATOR IF THE APPLICATION IS REPRESENTATIVE FOR THE OPERATOR	SIGNED BY AN AUTHORIZED
I,, hereby designate (Print or Type Operator Name) (Print or Type Rep	resentative Name)
as my representative and hereby authorize said representative submit additional information as may be requested by the Comme at any hearing or before the Texas Commission on Environmenth with this request for a Texas Water Code or Texas Solid Waste If the understand that I am responsible for the contents of this statements given by my authorized representative in support of compliance with the terms and conditions of any permit which nothing application.	nission; and/or appear for nental Quality in conjunction Disposal Act permit. I s application, for oral the application, and for
Printed or Typed Name of Operator or Principal Executive Office	
Signature	
SUBSCRIBED AND SWORN to before me by the said Will Won this 21st day of Ming, 2019 My commission expires on the 1st day of Norman, 2025 MINITED AND SWORN to before me by the said Will Will Will Will Will Will Will Wi	2.



CITY OF KINGSVILLE LANDFILL PART I ATTACHMENT 1 SUPPLEMENTARY TECHNICAL REPORT

PERMIT AMENDMENT APPLICATION

Part I

Attachment 1 Supplementary Technical Report



CITY OF KINGSVILLE, KLEBERG COUNTY, TEXAS

September 2018

Revision 1 – November 2018

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1 SUPPLEMENTARY TECHNICAL REPORT

This supplementary technical report presents a detailed facility description, an overview of the project, as well as the types of waste that will be accepted at the facility.

1.1 Facility Description

The City of Kingsville Landfill (Kingsville Landfill) is an existing, Type I and Type IV municipal solid waste disposal facility (Permit No. MSW 235-B). The current permit boundary encompasses about 120 acres out of the 196.88 acre property boundary. In the current permit (235-B), approximately 90 acres are designated for Type I waste while 24 acres are designated for Type IV waste. Approximately 40 acres of the area designated for Type I waste have been developed. The existing lined areas correspond to Type I Sectors 1, 2, 3, and 4, all of which are still active. Sectors 1, 2 and 3 have intermediate covers while sector 4 is currently filling. Only about 10 acres of the area designated for Type IV waste have been developed.

Non-waste disposal areas included on the property include a scale house, office building and a maintenance shop.

1.2 Permit History

The site was originally permitted by the State of Texas in 1977. The initial facility was permitted (Permit No. 235) to receive 863,534 cubic yards (cy) of solid waste and initial filling operations began in February 1977. This original 40 acre site, began waste disposal operation at an approximate bottom elevation of 50 MSL, progressed upwards in 4-feet layers, filled, and closed in March 1992. The floor soil of this sector was stabilized with bentonite. The original 40 acre sector, Permit 235, is closed and is not Subtitle D compliant.

The City of Kingsville received a permit amendment for an additional 34.85-acre lateral landfill expansion of the site in 1986 (Permit No. 235-A) increasing the permitted acreage to 74.85 acres. The approved Permit 235-A, was developed and the configuration of the approximately 20-acre Sector 1, received the first load of waste material in March 1992 at an approximate bottom elevation of 40 MSL.

Permit No. 235-B was issued in 1999, removing the original 40 acre (235) closed portion and adding an additional 83.55 acres increasing the permitted acreage from 74.85 acres to approximately 118.4 acres and a maximum height of final cover of 125 feet-msl. Kingsville Landfill is currently operating under the 1999 permit requirements and subsequent permit modifications or authorizations. At the current gate rate, the estimated site life remaining is approximately 43 years.

The following table summarizes the list of permits obtained for the operation of Kingsville over the years.

PERMIT AMENDMENT APPLICATION **PART III** SITE DEVELOPMENT PLAN



CITY OF KINGSVILLE, KLEBERG COUNTY, TEXAS

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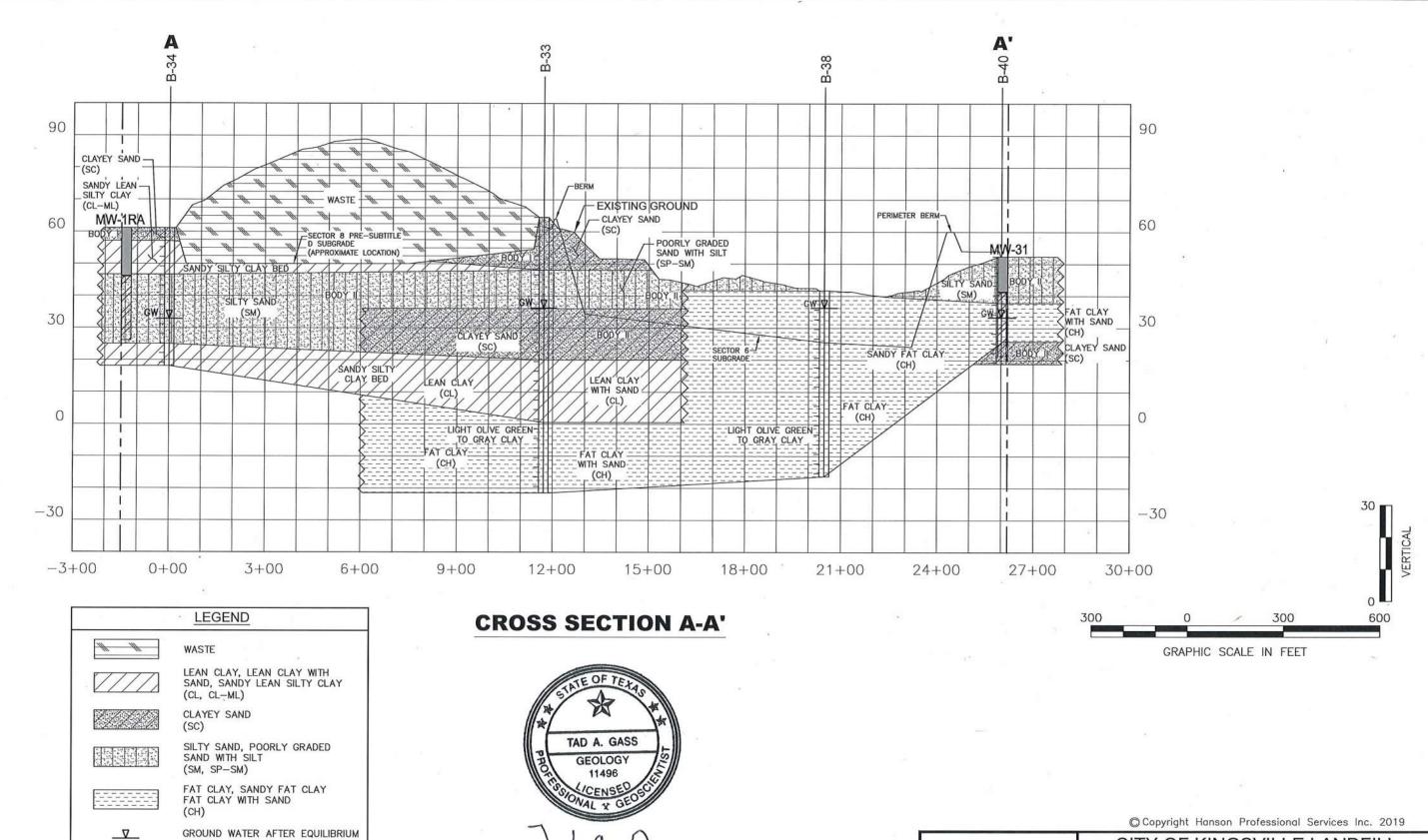
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Hanson Professional Services Inc.

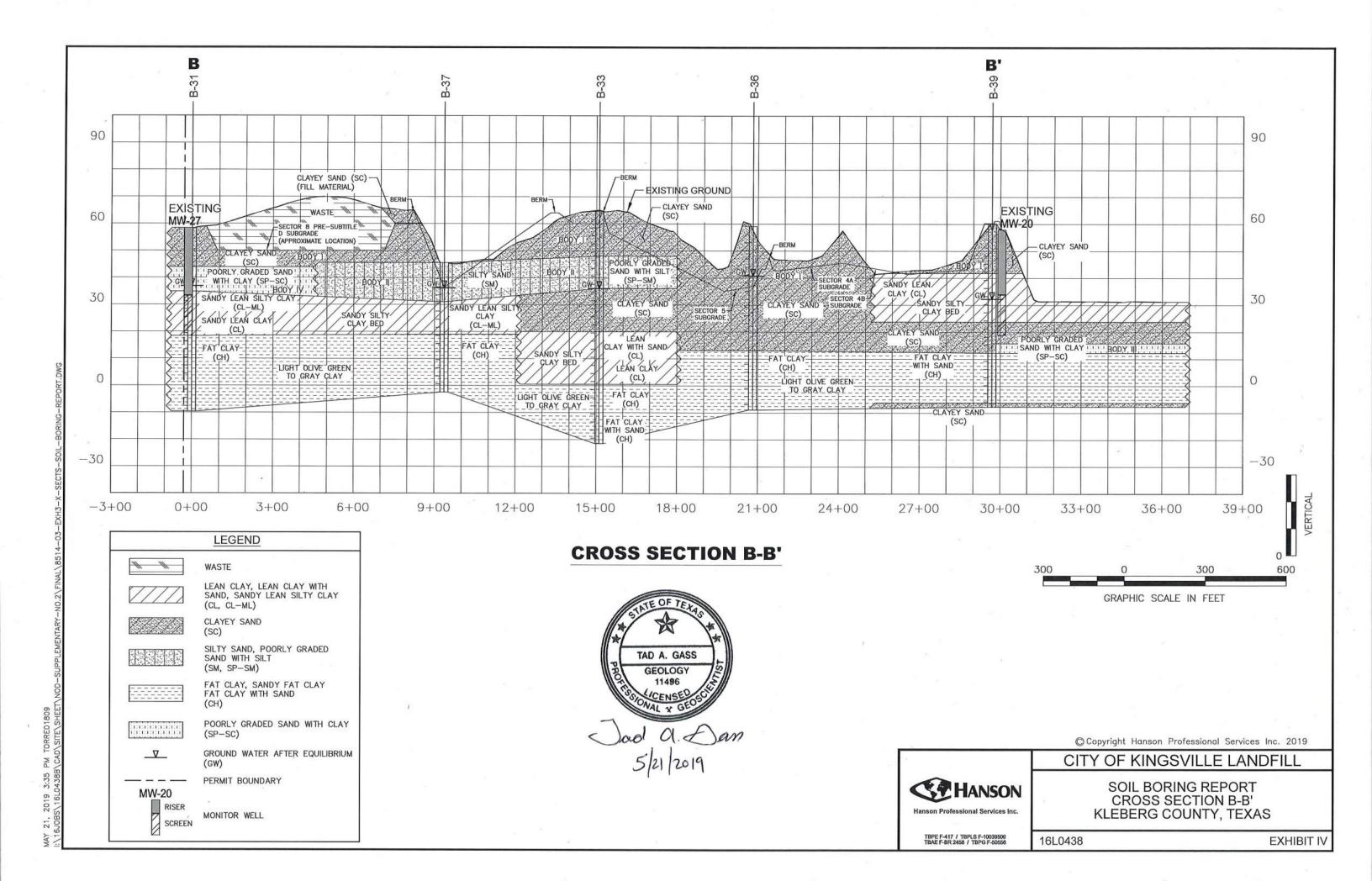
CITY OF KINGSVILLE LANDFILL

SOIL BORING REPORT CROSS SECTION A-A' KLEBERG COUNTY, TEXAS

TBPE F-417 / TBPLS F-10039500

16L0438

EXHIBIT IV

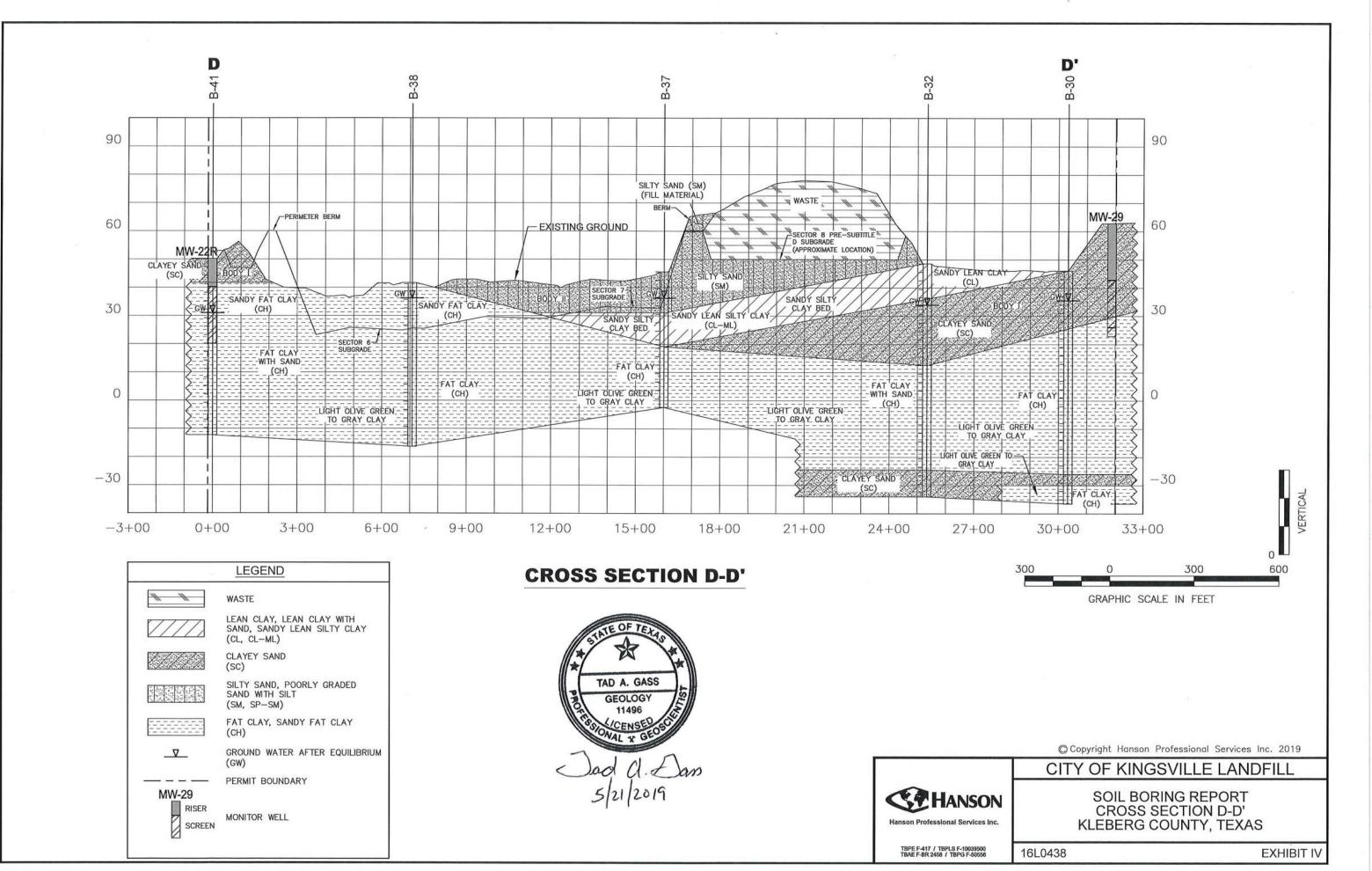


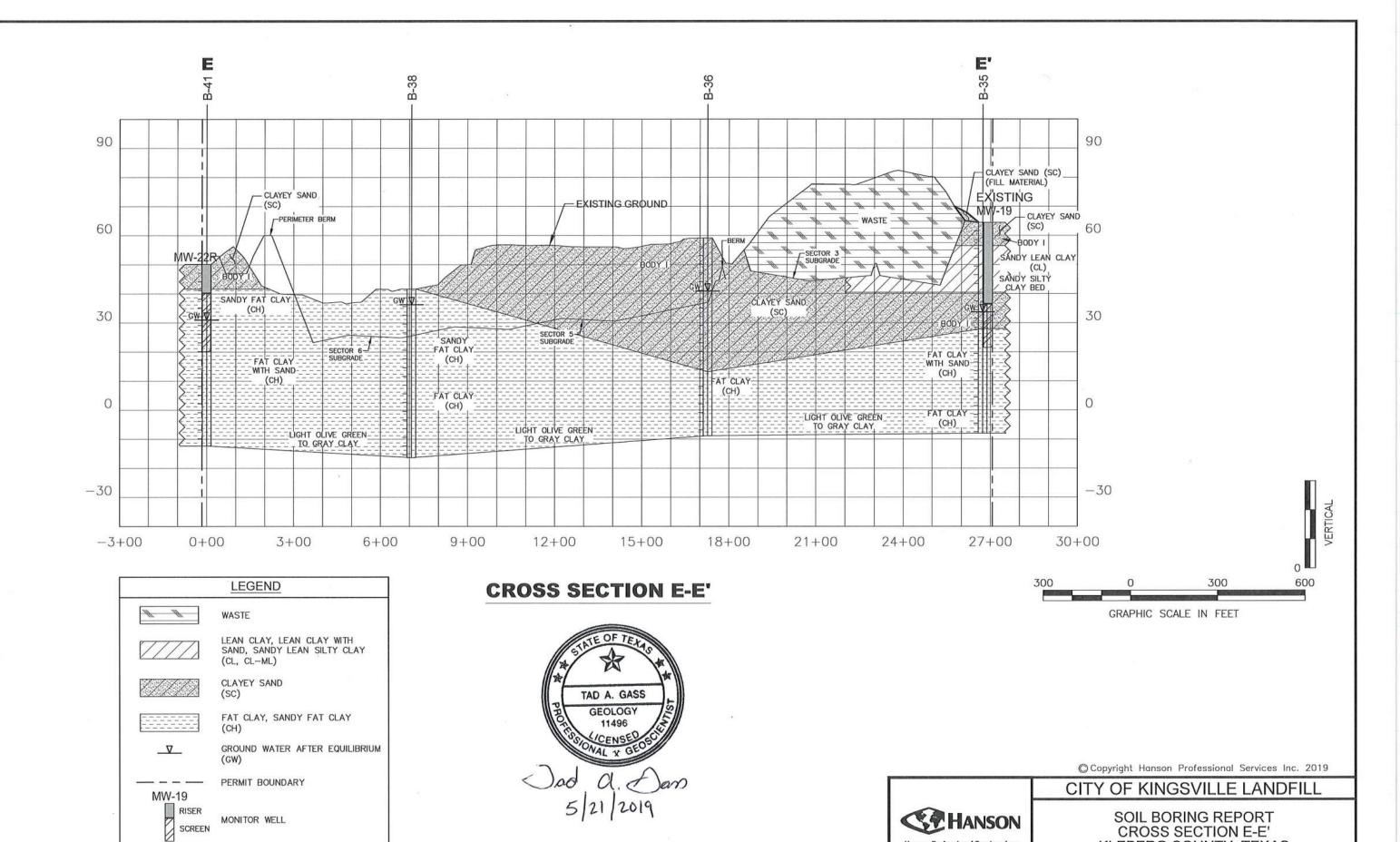
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EXHIBIT IV

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Hanson Professional Services Inc.

16L0438

KLEBERG COUNTY, TEXAS

EXHIBIT IV

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2.0 DISPOSAL OF SPECIAL WASTES

The City of Kingsville is required to handle special wastes in a manner that is consistent with TCEQ regulations. The facility will handle special waste according to the following guidelines.

2.0.1 SPECIAL WASTES THAT <u>DO NOT</u> REQUIRE SPECIAL WASTE DISPOSAL AUTHORIZATION FROM TCEQ

The following special wastes may be accepted for disposal at the City of Kingsville Landfill without prior written authorization from the TCEQ provided the waste is handled in accordance with the procedures listed below:

1. Special Wastes from Health Care Related Facilities

Special wastes from health care related facilities must be treated in accordance with the procedures specified in 30 TAC §326 (relating to Medical Waste Management) prior to acceptance at the City of Kingsville Landfill.

2. Dead Animals and/or Slaughterhouse Waste

Dead animals and/or slaughterhouse waste may be accepted without further approval provided the carcasses and/or slaughterhouse waste are covered by 3 feet of other solid waste or at least 2 feet of soil immediately upon receipt.

3. Non-Regulated Asbestos-Containing Materials (non-RACM)

Non-regulated asbestos-containing materials (non-RACM) may be accepted for disposal provided the wastes are placed on the active working face and covered in accordance with 30 TAC §330 (relating to Municipal Solid Wastes). Under no circumstances may any material containing non-RACM be placed on any surface or roadway which is subject to vehicular traffic or disposed of by any other means by which the material could be crumbled into a friable state.

- 4. Empty Containers which have been used for Pesticides, Herbicides, Fungicides, or Rodenticides Empty containers which have been used for pesticides, herbicides, fungicides, or rodenticides must be disposed of in accordance with subparagraphs (a) and (b) of this paragraph.
 - a) These containers may be disposed of at the disposal facility provided that:
 - i. The containers are triple-rinsed prior to receipt at the landfill;
 - ii. The containers are rendered unusable prior to or upon receipt at the landfill; and
 - iii. The containers are covered by the end of the same working day they are received.
 - b) Those containers for which triple-rinsing is not feasible or practical (e.g. paper bags, cardboard containers) may be disposed of under the provisions of subparagraph (5) of this section or in accordance with 30 TAC §330.173;

R E N E C P Y

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THE CITY OF KINGSVILLE LANDFILL TCEQ PERMIT MSW 235C

PERMIT AMENDMENT APPLICATION Part I



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CITY OF KINGSVILLE LANDFILL PART I ATTACHMENT 1 SUPPLEMENTARY TECHNICAL REPORT

THE CITY OF KINGSVILLE LANDFILL TCEQ PERMIT MSW 235C

PERMIT AMENDMENT APPLICATION

Part I

Attachment 1 Supplementary Technical Report



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1 SUPPLEMENTARY TECHNICAL REPORT

This supplementary technical report presents a detailed facility description, an overview of the project, as well as the types of waste that will be accepted at the facility.

1.1 Facility Description

The City of Kingsville Landfill (Kingsville Landfill) is an existing, Type I and Type IV municipal solid waste disposal facility (Permit No. MSW 235-B). The current permit boundary encompasses about 120 acres out of the 196.88 acre property boundary. In the current permit (235-B), approximately 90 acres are designated for Type I waste while 24 acres are designated for Type IV waste. Approximately 40 acres of the area designated for Type I waste have been developed. The existing lined areas correspond to Type I Sectors 1, 2, 3, and 4, all of which are still active. Sectors 1, 2 and 3 have intermediate covers while sector 4 is currently filling. Only about 10 acres of the area designated for Type IV waste have been developed.

Non-waste disposal areas included on the property include a scale house, office building and a maintenance shop.

1.2 Permit History

The site was originally permitted by the State of Texas in 1977. The initial facility was permitted (Permit No. 235) to receive 863,534 cubic yards (cy) of solid waste and initial filling operations began in February 1977. This original 40 acre site, began waste disposal operation at an approximate bottom elevation of 40–50 MSL, progressed upwards in 4-feet layers, filled, and closed in March 1992. The floor soil of this sector was stabilized with bentonite. The original 40 acre sector, Permit 235, is closed and is not Subtitle D compliant.

The City of Kingsville received a permit amendment for an additional 34.85-acre lateral landfill expansion of the site in 1986 (Permit No. 235-A) increasing the permitted acreage to 74.85 acres. The approved Permit 235-A, was developed and the configuration of the approximately 20-acre Sector 1, received the first load of waste material in March 1992 at an approximate bottom elevation of 40 MSL.

Permit No. 235-B was issued in 1999, removing the original 40 acre (235) closed portion and adding an additional 83.55 acres increasing the permitted acreage from 74.85 acres to approximately 118.4 acres and a maximum height of final cover of 125 feet-msl. Kingsville Landfill is currently operating under the 1999 permit requirements and subsequent permit modifications or authorizations. At the current gate rate, the estimated site life remaining is approximately 43 years.

The following table summarizes the list of permits obtained for the operation of Kingsville over the years.

THE CITY OF KINGSVILLE LANDFILL TCEQ PERMIT MSW 235C

PERMIT AMENDMENT APPLICATION PART III SITE DEVELOPMENT PLAN



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CITY OF KINGSVILLE LANDFILL PART III ATTACHMENT 4 GEOLOGY REPORT

THE CITY OF KINGSVILLE LANDFILL TCEQ PERMIT MSW 235C

PERMIT AMENDMENT APPLICATION PART III, ATTACHMENT 4 GEOLOGY REPORT



CITY OF KINGSVILLE, KLEBERG COUNTY, TEXAS

September 2018

Revision 1 – November 2018

Revision 2 – February 2019

Revision 3 – April 2019

Revision 4 – May 2019

Revision 5 – May 2019

Prepared by



HANSON PROJECT NO. 16L0438-0003

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2.0 DISPOSAL OF SPECIAL WASTES

The City of Kingsville is required to handle special wastes in a manner that is consistent with TCEQ regulations. The facility will handle special waste according to the following guidelines.

2.0.1 SPECIAL WASTES THAT <u>DO NOT</u> REQUIRE SPECIAL WASTE DISPOSAL AUTHORIZATION FROM TCEQ

The following special wastes may be accepted for disposal at the City of Kingsville Landfill without prior written authorization from the TCEQ provided the waste is handled in accordance with the procedures listed below:

1. Special Wastes from Health Care Related Facilities

Special wastes from health care related facilities must be treated in accordance with the procedures specified in 30 TAC §330, Subchapter Y326 (relating to Medical Waste Management) prior to acceptance at the City of Kingsville Landfill.

2. Dead Animals and/or Slaughterhouse Waste

Dead animals and/or slaughterhouse waste may be accepted without further approval provided the carcasses and/or slaughterhouse waste are covered by 3 feet of other solid waste or at least 2 feet of soil immediately upon receipt.

3. Non-Regulated Asbestos-Containing Materials (non-RACM)

Non-regulated asbestos-containing materials (non-RACM) may be accepted for disposal provided the wastes are placed on the active working face and covered in accordance with 30 TAC §330 (relating to Municipal Solid Wastes). Under no circumstances may any material containing non-RACM be placed on any surface or roadway which is subject to vehicular traffic or disposed of by any other means by which the material could be crumbled into a friable state.

- 4. Empty Containers which have been used for Pesticides, Herbicides, Fungicides, or Rodenticides Empty containers which have been used for pesticides, herbicides, fungicides, or rodenticides must be disposed of in accordance with subparagraphs (a) and (b) of this paragraph.
 - a) These containers may be disposed of at the disposal facility provided that:
 - i. The containers are triple-rinsed prior to receipt at the landfill;
 - ii. The containers are rendered unusable prior to or upon receipt at the landfill; and
 - iii. The containers are covered by the end of the same working day they are received.
 - b) Those containers for which triple-rinsing is not feasible or practical (e.g. paper bags, cardboard containers) may be disposed of under the provisions of subparagraph (5) of this section or in accordance with 30 TAC §330.173;