CORRESPONDENCE COVER SHEET
WASTE PERMITS DIVISION
TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Date: 07/20/2022
Facility Name: City of Del Rio Landfill
Permit or Registration No.: MSW 207B

Nature of Correspondence:
☐ Initial/New
☒ Response/Revision*

*If Response/Revision, please provide previous TCEQ Tracking No.: 25811196
(Previous TCEQ Tracking No. can be found in the Subject line of the TCEQ's response letter to your original submittal.)

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.

Table 1 - Municipal Solid Waste

APPLICATIONS	REPORTS and RESPONSES
☐ New Notification	☐ Closure Report
☐ New Permit (including Subchapter T)	☐ Groundwater Alternate SRC Demonstration
☐ New Registration (including Subchapter T)	☐ Groundwater Corrective Action
☒ Major Amendment	☐ Groundwater Monitoring Report
☐ Minor Amendment	☐ Groundwater Statistical Evaluation
☐ Limited Scope Major Amendment	☐ Landfill Gas Corrective Action
☐ Notice Modification	☐ Landfill Gas Monitoring
☐ Non-Notice Modification	☐ Liner Evaluation Report
☐ Transfer/Name Change Modification	☐ Soil Boring Plan
☐ Temporary Authorization	☐ Special Waste Request
☐ Voluntary Revocation	☐ Other:
☐ Subchapter T Workplan	
☐ Other:	

Table 2 - Industrial & Hazardous Waste

APPLICATIONS	REPORTS and RESPONSES
☐ New	☐ Annual/Biennial Site Activity Report
☐ Renewal	☐ CfPT Plan/Result
☐ Post-Closure Order	☐ Closure Certification/Report
☐ Major Amendment	☐ Construction Certification/Report
☐ Minor Amendment	☐ CPT Plan/Result
☐ Class 3 Modification	☐ Extension Request
☐ Class 2 Modification	☐ Groundwater Monitoring Report
☐ Class 1 ED Modification	☐ Interim Status Change
☐ Class 1 Modification	☐ Interim Status Closure Plan
☐ Endorsement	☐ Soil Core Monitoring Report
☐ Temporary Authorization	☐ Treatability Study
☐ Voluntary Revocation	☐ Trial Burn Plan/Result
☐ 335.6 Notification	☐ Unsaturated Zone Monitoring Report
☐ Other:	☐ Waste Minimization Report
	☐ Other:

July 20, 2022

Sarah Welborn, P.G.
MC-109
Texas Commission on Environmental Quality
12100 Park 35 Circle
Austin, TX 78753

Re: Response to Technical Notice of Deficiency
City of Del Rio
Del Rio, Val Verde County, Texas
Proposed Municipal Solid Waste Permit No: 207B
Tracking No. 25811196; RN102143294/CN600756290
Major Permit Amendment Application

Dear Ms. Welborn:

On behalf of the City of Del Rio CP&Y, Inc. is submitting a response to technical notice of deficiency (NOD) for the referenced permit amendment application. The replacement pages enclosed have been updated to incorporate comments included in the NOD letter dated July 14, 2022.

To facilitate your review, the NOD Table with the comments and response is enclosed. If you have any questions, please do not hesitate to contact me.

Sincerely,

Tewobista Metaferia

Tewobista Metaferia, P.E.
Project Engineer
CP&Y, Inc.

cc: Alberto Quintanilla, P.E.
TCEQ Region 16

1820 Regal Row, Suite 200
Dallas, Texas 75235

(p) 214.638.0500 • (f) 214.638.3723
www.cpyi.com

Technical NOD #8

--	App. Part	App. Section	Citation	Location	NOD Type	NOD Description/Resolution
1	2	General	330.57(c)(1)	Part I	Incorrect	Provide an updated Part I Form that indicates that the alternative language notice is required.
						The Part I From has been revised to indicate the alternative language notice is required.
T2	290	Part III	330.305(a)	IIIH-1, 7, 9	Ambiguous	In tables on pages IIIH-A-99 and IIIH-B-113, under “1. Volume at Discharge Point #1” the sums are labeled “Total Volume at Pond.” Explain the differences, or label the sums as “Total Volume at Discharge Point #1,” if this is correct, to be consistent with the other tables and the terminology in the table titles.
						Pages IIIH-A-99, IIIH-A-101,IIIH-B-113,and IIIH-B-115 have been revised to be consistent with the other tables and the terminology in the table titles.
T3	290	Part III	330.305(a)	IIIH-1, 7, 9	Ambiguous	Figures provided in the response now clearly illustrate the northeast side of the facility. The three cross-sections all indicate that the perimeter road will lie within the pipeline easement and that some excavation is planned within the pipeline easement for the perimeter channel. Please confirm that the easement holder is aware that the perimeter road is within the easement and that some excavation will occur within the easement to create the drainage channel.
						The cross section figures that show the 30 foot gas easement (Figures IIIH.12 and IIIH.13) included in the permit application were submitted to West Texas Gas Utility, LLC. The updated coordination letter from the West Texas Gas has be included in this submittal (Page I/IIC-2A)t and confirms that easement holder is aware that a the perimeter road is within the easement and that some excavation will occur within the easement to create the drainage channel.

CITY OF DEL RIO LANDFILL

VAL VERDE COUNTY, TEXAS
TCEQ PERMIT NO. MSW-207B

MAJOR PERMIT AMENDMENT APPLICATION

TCEQ PART I APPLICATION FORM, CORE DATA FORM, AND MAILING LABELS

Prepared for
City of Del Rio

October 2020
Revision 1 January 2021
Revision 2 May 2021
Revision 3 September 2021
Revision 4 October 2021
Revision 5 January 2022
Revision 6 March 2022
Revision 7 May 2022
Revision 8 June 2022
Revision 9 July 2022

STATE OF TEXAS
TEWOBISTA METAFERIA
123183
LICENSED
PROFESSIONAL ENGINEER

07/20/2022

Prepared by

CP&Y Inc
TPBE Registration No. F-1741
1820 Regal Row, Suite 200
Dallas, TX 75235
214-638-0500

This document is intended for permitting purposes only.

CITY OF DEL RIO LANDFILL

VAL VERDE COUNTY, TEXAS
TCEQ PERMIT NO. MSW-207B

MAJOR PERMIT AMENDMENT APPLICATION

TCEQ PART I APPLICATION FORM, CORE DATA FORM, AND MAILING LABELS

CONTENTS

PART I FORM

CORE DATA FORM

MAILING LABELS

PART I FORM

6. Application Publishing

Party Responsible for Publishing Notice:

☐ Applicant ☐ Agent in Service ☒ Consultant

Contact Name: **Tewobista Metaferia** Title: **Project Manager**

7. Alternative Language Notice

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

☒ Yes ☐ No

8. Public Place Location of Application

Name of the Public Place: **Del Rio Public Works**

Physical Address: **114 W Martin St**

City: **Del Rio** County: **Val Verde** State: **Texas** Zip Code: **78840**

(Area code) Telephone Number: **(830) 774-8525**

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."

Signature Page

I, John A. Sheedy, IV, City Manager,
(Site Operator (Permittee/Registrant)'s Authorized Signatory) (Title)

certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Signature: _____ Date: 7/20/2022

- - - -

CITY OF DEL RIO LANDFILL

VAL VERDE COUNTY, TEXAS

TCEQ PERMIT NO. MSW-207B

MAJOR PERMIT AMENDMENT APPLICATION
PARTS I/II
GENERAL APPLICATION REQUIREMENTS

Prepared for
City of Del Rio

October 2020
Revision 1 January 2021
Revision 2 May 2021
Revision 3 September 2021
Revision 4 October 2021
Revision 5 January 2022
Revision 6 May 2022
Revision 7 July 2022

Prepared by

CP&Y Inc
TPBE Registration No. F-1741
1820 Regal Row, Suite 200
Dallas, TX 75235
214-638-0500

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Parts I/II

GENERAL APPLICATION REQUIREMENTS

STATE OF TEXAS
TEWOBISTA METAFERIA
123183
LICENSED
PROFESSIONAL ENGINEER

Twobista Metaferia
07/20/2022

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CITY OF DEL RIO LANDFILL

VAL VERDE COUNTY, TEXAS
TCEQ PERMIT NO. MSW-207B

MAJOR PERMIT AMENDMENT APPLICATION

APPENDIX I/IIC
LOCATION RESTRICTION DEMONSTRATIONS

Prepared for

City of Del Rio

October 2020
Revision 1 May 2021
Revision 2 October 2021
Revision 3 May 2022
Revision 4 July 2022

Prepared by

CP&Y Inc
TPBE Registration No. F-1741
1820 Regal Row, Suite 200
Dallas, TX 75235
214-638-0500

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West Texas Gas Utility, LLC.
303 Veterans Airpark Ln. STE. 5000
Midland, Texas 79705

Phone: (432) 682-4349
Email: sclark@westtexasgas.com

July 18, 2022

Dallas Water Practice
ATTN: Tewobista Metaferia
1820 Regal Row, STE. 200
Dallas, TX 75235

RE: West Texas Gas Utility LLC.--Consent to Road Work

Ms. Metaferia,

Per your request West Texas Gas Utility, LLC. (WTG) has approved of the requested work in Section 764, Abstract 1332, J. Robinson Survey, Val Verde County, Texas. The requested work being the addition of base material to an existing road running within WTG's pipeline easement in the above referenced section. Before any of the required excavation work can take place within the WTG pipeline easement, call 811 and follow the procedures for general safety from there.
WTG does herby request with its approval, that before construction starts, WTG receives notification at least 48 hours prior by email, and phone.

Please feel free to call, or email me with any further questions, or comments.

Sincerely,

Seth Clark
Land Representative
West Texas Gas Utility, LLC.

CITY OF DEL RIO LANDFILL

VAL VERDE COUNTY, TEXAS
TCEQ PERMIT NO. MSW-207B

MAJOR PERMIT AMENDMENT APPLICATION
PART III — SITE DEVELOPMENT PLAN

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SURFACE WATER DRAINAGE PLAN

Prepared for

City of Del Rio

October 2020
Revision 1 May 2021
Revision 2 October 2021
Revision 3 January 2022
Revision 4 March 2022
Revision 5 May 2022
Revision 6 June 2022
Revision 7 July 2022

Prepared by
CP&Y Inc
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1820 Regal Row, Suite 200
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Volume Calculations

Client: City of Del Rio
Project: Major Permit Amendment
Description: Volume Calculations

Date: 10/16/2020
Job No: DELR1900546
By: K. Dieckow
Checked By: B. Hindman

Purpose - Determine the 25-year 24-hour storm volume generated by the existing permitted site and offsite areas using the excess rainfall calculated in the HEC-1 analysis of the proposed expansion site conditions.

Use the excessive rainfall data generated by the HEC-1 analysis for the 25-year storm to determine the volume produced by the site for the existing condition.

Existing Condition

1. Volume at Discharge Point #1

Area No.	Area (sq. mi)	Total Excess Rainfall (in)	Area (acre)	Volume (acre-ft)
LD9	0.0140	6.07	8.99	4.5
LD10	0.0062	6.07	3.98	2.0
CH1	0.0091	6.19	5.85	3.0
OA1	0.0791	5.95	50.60	25.1
P1	0.0163	7.85	10.43	6.8
Total Volume at ~~Pond~~ Discharge Point 1 =				41.5

2. Volume at Discharge Point #2

Area No.	Area (sq mi)	Total Excess Rainfall (in)	Area (acre)	Volume (acre-ft)
LD6	0.0022	6.07	1.42	0.7
LD7	0.0092	6.07	5.88	3.0
LD8	0.0117	6.07	7.46	3.8
OA1	0.1492	5.95	95.50	47.4
CH2	0.0157	6.19	10.06	5.2
CH3	0.0078	6.19	4.98	2.6
Total Volume at Discharge Point #2 =				62.6

3. Volume at Discharge Point #3

Area No.	Area (sq mi)	Total Excess Rainfall (in)	Area (acre)	Volume (acre-ft)
LD3	0.0103	6.07	6.59	3.3
CH4	0.0097	6.19	6.19	3.2
LD4	0.0084	6.07	5.37	2.7
LD5	0.0130	6.07	8.30	4.2
CH5	0.0100	6.19	6.40	3.3
Total Volume at Discharge Point #3 =				16.7

Volume Calculations

Client: City of Del Rio
Project: Major Permit Amendment
Description: Volume Calculations

Date: 10/16/2020
Job No: DELR1900546
By: K. Dieckow
Checked By: B. Hindman

Purpose - Determine the 100-year 24-hour storm volume generated by the existing permitted site and offsite areas using the excess rainfall calculated in the HEC-1 analysis of the proposed expansion site conditions.

Use the excessive rainfall data generated by the HEC-1 analysis for the 100-year storm to determine the volume produced by the site for the existing condition.

Existing Condition

1. Volume at Discharge Point #1

Area No.	Area (sq. mi)	Total Excess Rainfall (in)	Area (acre)	Volume (acre-ft)
LD9	0.0140	10.02	8.99	7.5
LD10	0.0062	10.02	3.98	3.3
CH1	0.0091	10.15	5.85	4.9
OA2	0.0791	9.88	50.60	41.7
P1	0.0163	11.90	10.43	10.3
Total Volume at ~~Pond~~ Discharge Point 1 =				67.8

2. Volume at Discharge Point #2

Area No.	Area (sq mi)	Total Excess Rainfall (in)	Area (acre)	Volume (acre-ft)
LD6	0.0022	10.02	1.42	1.2
LD7	0.0092	10.02	5.88	4.9
LD8	0.0117	10.02	7.46	6.2
OA1	0.1492	9.88	95.50	78.6
CH2	0.0157	10.15	10.06	8.5
CH3	0.0078	10.15	4.98	4.2
Total Volume at Discharge Point #2 =				103.7

3. Volume at Discharge Point #3

Area No.	Area (sq mi)	Total Excess Rainfall (in)	Area (acre)	Volume (acre-ft)
LD3	0.0103	10.02	6.59	5.5
CH4	0.0097	10.15	6.19	5.2
LD4	0.0084	10.02	5.37	4.5
LD5	0.0130	10.02	8.30	6.9
CH5	0.0100	10.15	6.40	5.4
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Volume Calculations

Client: City of Del Rio
Project: Major Permit Amendment
Description: Volume Calculations

Date: 10/16/2020
Job No: DELR1900546
By: K. Dieckow
Checked By: B. Hindman

Purpose - Determine the 25-year 24-hour storm volume generated by the site and offsite areas using the excess rainfall calculated in the HEC-1 analysis of the proposed expansion site conditions.

Use the excessive rainfall data generated by the HEC-1 analysis to determine the volume produced by the site for the proposed expansion conditions.

Proposed Expansion Conditions

1. Volume at Discharge Point #1

Area No.	Area (sq. mi)	Total Excess Rainfall (in)	Area (acre)	Volume (acre-ft)
T6	0.0031	6.07	2.00	1.0
S8	0.0059	6.07	3.78	1.9
T5	0.0040	6.07	2.54	1.3
S7	0.0091	6.19	5.83	3.0
CH1	0.0066	6.19	4.24	2.2
OA2	0.0791	5.95	50.62	25.1
T1	0.0024	6.07	1.52	0.8
S1	0.0039	6.19	2.48	1.3
P1	0.0087	7.85	5.57	3.6
A1	0.0060	0.38	3.84	0.1
Total Volume at ~~Pond~~ Discharge Point 1 =				40.2

2. Volume at Discharge Point #2

Area No.	Area (sq mi)	Total Excess Rainfall (in)	Area (acre)	Volume (acre-ft)
T7	0.0067	6.07	4.27	2.2
S5	0.0089	6.19	5.70	2.9
OA1	0.1492	5.95	95.49	47.3
CH2	0.0094	6.19	6.04	3.1
T4	0.0102	6.19	6.55	3.4
CH3	0.0035	6.19	2.23	1.2
Total Volume at Discharge Point #2 =				60.1

3. Volume at Discharge Point #3

Area No.	Area (sq mi)	Total Excess Rainfall (in)	Area (acre)	Volume (acre-ft)
T9	0.0217	6.07	13.91	7.0
CH4	0.0096	6.19	6.17	3.2
T8	0.0095	6.07	6.05	3.1
T3	0.0035	6.07	2.22	1.1
S3	0.0067	6.19	4.26	2.2
CH5	0.0076	6.19	4.84	2.5
P2	0.0037	7.85	2.37	1.5
Total Volume at Discharge Point #3 =				20.6

Volume Calculations

Client: City of Del Rio
Project: Major Permit Amendment
Description: Volume Calculations

Date: 10/16/2020
Job No: DELR1900546
By: K. Dieckow
Checked By: B. Hindman

Purpose - Determine the 100-year 24-hour storm volume generated by the site and offsite areas using the excess rainfall calculated in the HEC-1 analysis of the proposed expansion site conditions.

Use the excessive rainfall data generated by the HEC-1 analysis for the 100-year storm to determine the volume produced by the site for the proposed expansion conditions.

Proposed Expansion Conditions

1. Volume at Discharge Point #1

Area No.	Area (sq. mi)	Total Excess Rainfall (in)	Area (acre)	Volume (acre-ft)
T6	0.0031	10.02	2.00	1.7
S8	0.0059	10.02	3.78	3.2
T5	0.0040	10.02	2.54	2.1
S7	0.0091	10.15	5.83	4.9
CH1	0.0066	10.15	4.24	3.6
OA2	0.0791	9.88	50.62	41.7
T1	0.0024	10.02	1.52	1.3
S1	0.0039	10.15	2.48	2.1
P1	0.0087	11.90	5.57	5.5
A1	0.0060	1.71	3.84	0.5
Total Volume at ~~Pond~~ Discharge Point 1 =				60.5

2. Volume at Discharge Point #2

Area No.	Area (sq mi)	Total Excess Rainfall (in)	Area (acre)	Volume (acre-ft)
T7	0.0067	10.02	4.27	3.6
S5	0.0089	10.15	5.70	4.8
OA1	0.1492	9.88	95.49	78.6
CH2	0.0094	10.15	6.04	5.1
T4	0.0102	10.15	6.55	5.5
CH3	0.0035	10.15	2.23	1.9
Total Volume at Discharge Point #2 =				99.5

3. Volume at Discharge Point #3

Area No.	Area (sq mi)	Total Excess Rainfall (in)	Area (acre)	Volume (acre-ft)
T9	0.0217	10.02	13.91	11.6
CH4	0.0096	10.15	6.17	5.2
T8	0.0095	10.02	6.05	5.1
T3	0.0035	10.02	2.22	1.9
S3	0.0067	10.15	4.26	3.6
CH5	0.0076	10.15	4.84	4.1
P2	0.0037	11.90	2.37	2.3
Total Volume at Discharge Point #3 =				33.8

CITY OF DEL RIO LANDFILL

VAL VERDE COUNTY, TEXAS
TCEQ PERMIT NO. MSW-207B

MAJOR PERMIT AMENDMENT APPLICATION

TCEQ PART I APPLICATION FORM, CORE DATA FORM, AND MAILING LABELS

Prepared for
City of Del Rio

October 2020
Revision 1 January 2021
Revision 2 May 2021
Revision 3 September 2021
Revision 4 October 2021
Revision 5 January 2022
Revision 6 March 2022
Revision 7 May 2022
Revision 8 June 2022
Revision 9 July 2022

Prepared by

CP&Y Inc
TPBE Registration No. F-1741
1820 Regal Row, Suite 200
Dallas, TX 75235
214-638-0500

This document is intended for permitting purposes only.

CITY OF DEL RIO LANDFILL

VAL VERDE COUNTY, TEXAS

TCEQ PERMIT NO. MSW-207B

MAJOR PERMIT AMENDMENT APPLICATION

TCEQ PART I APPLICATION FORM, CORE DATA FORM, AND MAILING LABELS

CONTENTS

PART I FORM

CORE DATA FORM

MAILING LABELS

PART I FORM

6. Application Publishing

Party Responsible for Publishing Notice:

☐ Applicant ☐ Agent in Service ☒ Consultant

Contact Name: **Tewobista Metaferia** Title: **Project Manager**

7. Alternative Language Notice

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

☒ Yes ☐ No

8. Public Place Location of Application

Name of the Public Place: **Del Rio Public Works**

Physical Address: **114 W Martin St**

City: **Del Rio** County: **Val Verde** State: **Texas** Zip Code: **78840**

(Area code) Telephone Number: **(830) 774-8525**

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."

Signature Page

I, John A. Sheedy, IV, City Manager,
(Site Operator (Permittee/Registrant)'s Authorized Signatory) (Title)

certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Signature: _____ Date: 7/20/2022

- - - -

CITY OF DEL RIO LANDFILL

VAL VERDE COUNTY, TEXAS

TCEQ PERMIT NO. MSW-207B

MAJOR PERMIT AMENDMENT APPLICATION
PARTS I/II
GENERAL APPLICATION REQUIREMENTS

Prepared for
City of Del Rio

October 2020
Revision 1 January 2021
Revision 2 May 2021
Revision 3 September 2021
Revision 4 October 2021
Revision 5 January 2022
Revision 6 May 2022
Revision 7 July 2022

Prepared by

CP&Y Inc
TPBE Registration No. F-1741
1820 Regal Row, Suite 200
Dallas, TX 75235
214-638-0500

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STATE OF TEXAS
TEWOBISTA METAFERIA
123183
LICENSED
PROFESSIONAL ENGINEER

Twobista Metaferia
07/20/2022

Parts I/II

GENERAL APPLICATION REQUIREMENTS

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CITY OF DEL RIO LANDFILL

VAL VERDE COUNTY, TEXAS
TCEQ PERMIT NO. MSW-207B

MAJOR PERMIT AMENDMENT APPLICATION

APPENDIX I/IIC
LOCATION RESTRICTION DEMONSTRATIONS

Prepared for

City of Del Rio

October 2020
Revision 1 May 2021
Revision 2 October 2021
Revision 3 May 2022
Revision 4 July 2022

Prepared by

CP&Y Inc
TPBE Registration No. F-1741
1820 Regal Row, Suite 200
Dallas, TX 75235
214-638-0500

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West Texas Gas Utility, LLC.
303 Veterans Airpark Ln. STE. 5000
Midland, Texas 79705

Phone: (432) 682-4349
Email: sclark@westtexasgas.com

July 18, 2022

Dallas Water Practice
ATTN: Tewobista Metaferia
1820 Regal Row, STE. 200
Dallas, TX 75235

RE: West Texas Gas Utility LLC.--Consent to Road Work

Ms. Metaferia,

Per your request West Texas Gas Utility, LLC. (WTG) has approved of the requested work in Section 764, Abstract 1332, J. Robinson Survey, Val Verde County, Texas. The requested work being the addition of base material to an existing road running within WTG's pipeline easement in the above referenced section. Before any of the required excavation work can take place within the WTG pipeline easement, call 811 and follow the procedures for general safety from there.
WTG does herby request with its approval, that before construction starts, WTG receives notification at least 48 hours prior by email, and phone.

Please feel free to call, or email me with any further questions, or comments.

Sincerely,

Seth Clark
Land Representative
West Texas Gas Utility, LLC.

CITY OF DEL RIO LANDFILL

VAL VERDE COUNTY, TEXAS
TCEQ PERMIT NO. MSW-207B

MAJOR PERMIT AMENDMENT APPLICATION
PART III — SITE DEVELOPMENT PLAN

APPENDIX IIIH
SURFACE WATER DRAINAGE PLAN

Prepared for

City of Del Rio

October 2020
Revision 1 May 2021
Revision 2 October 2021
Revision 3 January 2022
Revision 4 March 2022
Revision 5 May 2022
Revision 6 June 2022
Revision 7 July 2022

Prepared by
CP&Y Inc
TPBE Registration No. F-1741
1820 Regal Row, Suite 200
Dallas, TX 75235
214-638-0500

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STATE OF TEXAS
TEWOBISTA METAFERIA
123183
LICENSED
PROFESSIONAL ENGINEER

07/20/2022

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Volume Calculations

Client: City of Del Rio
Project: Major Permit Amendment
Description: Volume Calculations

Date: 10/16/2020
Job No: DELR1900546
By: K. Dieckow
Checked By: B. Hindman

Purpose - Determine the 25-year 24-hour storm volume generated by the existing permitted site and offsite areas using the excess rainfall calculated in the HEC-1 analysis of the proposed expansion site conditions.

Use the excessive rainfall data generated by the HEC-1 analysis for the 25-year storm to determine the volume produced by the site for the existing condition.

Existing Condition

1. Volume at Discharge Point #1

Area No.	Area (sq. mi)	Total Excess Rainfall (in)	Area (acre)	Volume (acre-ft)
LD9	0.0140	6.07	8.99	4.5
LD10	0.0062	6.07	3.98	2.0
CH1	0.0091	6.19	5.85	3.0
OA1	0.0791	5.95	50.60	25.1
P1	0.0163	7.85	10.43	6.8
			Total Volume at Discharge Point 1 =	41.5

2. Volume at Discharge Point #2

Area No.	Area (sq mi)	Total Excess Rainfall (in)	Area (acre)	Volume (acre-ft)
LD6	0.0022	6.07	1.42	0.7
LD7	0.0092	6.07	5.88	3.0
LD8	0.0117	6.07	7.46	3.8
OA1	0.1492	5.95	95.50	47.4
CH2	0.0157	6.19	10.06	5.2
CH3	0.0078	6.19	4.98	2.6
			Total Volume at Discharge Point #2 =	62.6

3. Volume at Discharge Point #3

Area No.	Area (sq mi)	Total Excess Rainfall (in)	Area (acre)	Volume (acre-ft)
LD3	0.0103	6.07	6.59	3.3
CH4	0.0097	6.19	6.19	3.2
LD4	0.0084	6.07	5.37	2.7
LD5	0.0130	6.07	8.30	4.2
CH5	0.0100	6.19	6.40	3.3
			Total Volume at Discharge Point #3 =	16.7

Volume Calculations

Client: City of Del Rio
Project: Major Permit Amendment
Description: Volume Calculations

Date: 10/16/2020
Job No: DELR1900546
By: K. Dieckow
Checked By: B. Hindman

Purpose - Determine the 100-year 24-hour storm volume generated by the existing permitted site and offsite areas using the excess rainfall calculated in the HEC-1 analysis of the proposed expansion site conditions.

Use the excessive rainfall data generated by the HEC-1 analysis for the 100-year storm to determine the volume produced by the site for the existing condition.

Existing Condition

1. Volume at Discharge Point #1

Area No.	Area (sq. mi)	Total Excess Rainfall (in)	Area (acre)	Volume (acre-ft)
LD9	0.0140	10.02	8.99	7.5
LD10	0.0062	10.02	3.98	3.3
CH1	0.0091	10.15	5.85	4.9
OA2	0.0791	9.88	50.60	41.7
P1	0.0163	11.90	10.43	10.3
			Total Volume at Discharge Point 1 =	67.8

2. Volume at Discharge Point #2

Area No.	Area (sq mi)	Total Excess Rainfall (in)	Area (acre)	Volume (acre-ft)
LD6	0.0022	10.02	1.42	1.2
LD7	0.0092	10.02	5.88	4.9
LD8	0.0117	10.02	7.46	6.2
OA1	0.1492	9.88	95.50	78.6
CH2	0.0157	10.15	10.06	8.5
CH3	0.0078	10.15	4.98	4.2
			Total Volume at Discharge Point #2 =	103.7

3. Volume at Discharge Point #3

Area No.	Area (sq mi)	Total Excess Rainfall (in)	Area (acre)	Volume (acre-ft)
LD3	0.0103	10.02	6.59	5.5
CH4	0.0097	10.15	6.19	5.2
LD4	0.0084	10.02	5.37	4.5
LD5	0.0130	10.02	8.30	6.9
CH5	0.0100	10.15	6.40	5.4
			Total Volume at Discharge Point #3 =	27.6

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Volume Calculations

Client: City of Del Rio
Project: Major Permit Amendment
Description: Volume Calculations

Date: 10/16/2020
Job No: DELR1900546
By: K. Dieckow
Checked By: B. Hindman

Purpose - Determine the 25-year 24-hour storm volume generated by the site and offsite areas using the excess rainfall calculated in the HEC-1 analysis of the proposed expansion site conditions.

Use the excessive rainfall data generated by the HEC-1 analysis to determine the volume produced by the site for the proposed expansion conditions.

Proposed Expansion Conditions

1. Volume at Discharge Point #1

Area No.	Area (sq. mi)	Total Excess Rainfall (in)	Area (acre)	Volume (acre-ft)
T6	0.0031	6.07	2.00	1.0
S8	0.0059	6.07	3.78	1.9
T5	0.0040	6.07	2.54	1.3
S7	0.0091	6.19	5.83	3.0
CH1	0.0066	6.19	4.24	2.2
OA2	0.0791	5.95	50.62	25.1
T1	0.0024	6.07	1.52	0.8
S1	0.0039	6.19	2.48	1.3
P1	0.0087	7.85	5.57	3.6
A1	0.0060	0.38	3.84	0.1
			Total Volume at Discharge Point 1 =	40.2

2. Volume at Discharge Point #2

Area No.	Area (sq mi)	Total Excess Rainfall (in)	Area (acre)	Volume (acre-ft)
T7	0.0067	6.07	4.27	2.2
S5	0.0089	6.19	5.70	2.9
OA1	0.1492	5.95	95.49	47.3
CH2	0.0094	6.19	6.04	3.1
T4	0.0102	6.19	6.55	3.4
CH3	0.0035	6.19	2.23	1.2
			Total Volume at Discharge Point #2 =	60.1

3. Volume at Discharge Point #3

Area No.	Area (sq mi)	Total Excess Rainfall (in)	Area (acre)	Volume (acre-ft)
T9	0.0217	6.07	13.91	7.0
CH4	0.0096	6.19	6.17	3.2
T8	0.0095	6.07	6.05	3.1
T3	0.0035	6.07	2.22	1.1
S3	0.0067	6.19	4.26	2.2
CH5	0.0076	6.19	4.84	2.5
P2	0.0037	7.85	2.37	1.5
			Total Volume at Discharge Point #3 =	20.6

Volume Calculations

Client: City of Del Rio
Project: Major Permit Amendment
Description: Volume Calculations

Date: 10/16/2020
Job No: DELR1900546
By: K. Dieckow
Checked By: B. Hindman

Purpose - Determine the 100-year 24-hour storm volume generated by the site and offsite areas using the excess rainfall calculated in the HEC-1 analysis of the proposed expansion site conditions.

Use the excessive rainfall data generated by the HEC-1 analysis for the 100-year storm to determine the volume produced by the site for the proposed expansion conditions.

Proposed Expansion Conditions

1. Volume at Discharge Point #1

Area No.	Area (sq. mi)	Total Excess Rainfall (in)	Area (acre)	Volume (acre-ft)
T6	0.0031	10.02	2.00	1.7
S8	0.0059	10.02	3.78	3.2
T5	0.0040	10.02	2.54	2.1
S7	0.0091	10.15	5.83	4.9
CH1	0.0066	10.15	4.24	3.6
OA2	0.0791	9.88	50.62	41.7
T1	0.0024	10.02	1.52	1.3
S1	0.0039	10.15	2.48	2.1
P1	0.0087	11.90	5.57	5.5
A1	0.0060	1.71	3.84	0.5
			Total Volume at Discharge Point 1 =	60.5

2. Volume at Discharge Point #2

Area No.	Area (sq mi)	Total Excess Rainfall (in)	Area (acre)	Volume (acre-ft)
T7	0.0067	10.02	4.27	3.6
S5	0.0089	10.15	5.70	4.8
OA1	0.1492	9.88	95.49	78.6
CH2	0.0094	10.15	6.04	5.1
T4	0.0102	10.15	6.55	5.5
CH3	0.0035	10.15	2.23	1.9
			Total Volume at Discharge Point #2 =	99.5

3. Volume at Discharge Point #3

Area No.	Area (sq mi)	Total Excess Rainfall (in)	Area (acre)	Volume (acre-ft)
T9	0.0217	10.02	13.91	11.6
CH4	0.0096	10.15	6.17	5.2
T8	0.0095	10.02	6.05	5.1
T3	0.0035	10.02	2.22	1.9
S3	0.0067	10.15	4.26	3.6
CH5	0.0076	10.15	4.84	4.1
P2	0.0037	11.90	2.37	2.3
			Total Volume at Discharge Point #3 =	33.8