

**HIGH PLAINS WASTE WATER DISPOSAL
TYPE V-GG PROCESSING FACILITY
RANDALL COUNTY, TEXAS**

MSW PERMIT 2418 APPLICATION

INITIAL SUBMITTAL MARCH 31, 2023

REVISION 02 August 23, 2023

FOR

**HIGH PLAINS WASTE WATER DISPOSAL, LLC
500 W. McAfee ROAD
RANDALL COUNTY, TEXAS**

Prepared by:

**JERRY W. ANDERSEN, PG
ANDERSEN & ASSOCIATES COMPLIANCE CONSULTANTS, INC.
2318 VICTORIA
AMARILLO, TEXAS 79106
806.679.9735**

**J. BRIAN DUDLEY, P.E.
BRIAN DUDLEY ENGINEERING
16904 GOLDENWOOD WAY
AUSTIN, TEXAS 78737
REGISTERED ENGINEERING FIRM F-15657**



J. Brian Dudley
8/23/23



TABLE OF CONTENTS

SECTION

PART I

FORM 650 PART I FORM FOR AMENDMENT APPLICATION

INTRODUCTION AND FACILITY SETTING 330.59(B) AND (C)(2).....I-1

- 1.1 ADJACENT PROPERTY OWNERSHIP 330.59(c)(3)I-1
- 1.2 PROPERTY OWNER INFORMATION 330.59(d)I-7
- 1.3 LEGAL STATUS AND EVIDENCE OF COMPETENCY 330.59(e) and (f)I-8
- 1.4 APPLICANT'S STATEMENT AND APPOINTMENTS 305.44, 330.59(g).....I-9
- 1.5 NON-APPLICABLE REGULATORY SECTIONSI-9

2.0 THE PROPOSED FACILITY AND EXISTING CONDITIONS SUMMARY 330.61(A)...II-1

- 2.1 SUMMARY TECHNICAL REPORT II-1
- 2.2 WASTE ACCEPTANCE PLAN 330.61(b) II-2
 - 2.2.1 Prohibited and Unauthorized (Excluded) Wastes II-4
- 2.3 FACILITY SETTING, 330.61(c-f) II-5
- 2.4 IMPACT ON SURROUNDING AREA 330.61(g-h) II-6
 - 2.4.1 Land Use Setting II-6
 - 2.4.2 Growth Trends and Zoning II-6
- 2.5 TRANSPORTATION 330.61(i), II-6
- 2.6 GENERAL GEOLOGY AND SOILS STATEMENT, 330.61(j) II-7
- 2.7 SURFACE WATER AND GROUNDWATER 330.61(k)..... II-8
 - Site Specific Groundwater Conditions [330.61(k)(l)]:* II-8
 - Surface Water Near Site (330.61(k)(2))* II-8
 - Compliance with TPDS, and Clean Water Act (330.61(k)(3))* II-9
- 2.8 EXISTING AND ABANDONED OIL AND WATER WELLS 330.61(c and l) II-9
- 2.9 FLOODPLAINS AND WETLANDS 330.61(m), 330.547, and 330.553..... II-10
- 2.10 ENDANGERED SPECIES COMPLIANCE 330.61(N) and 330.551..... II-10
- 2.11 TEXAS HISTORICAL COMMISSION REVIEW 330.61(O) II-10
- 2.12 COUNCIL OF GOVERNMENT REVIEW 330.61(p), REVIEW OF APPLICATION BY GOVERNMENTAL AGENCIES 39.103 (c) II-10
- 2.13 EASEMENTS AND BUFFER ZONES 330.543..... II-11
- 2.14 NON APPLICABLE REGULATORY SECTIONS II-11

3.0 SITE DEVELOPMENT PLANIII-1

- 3.1 GENERAL FACILITY DESIGN III-1
 - 3.1.1 Facility Access Control, 330.63(b)(1) III-1
 - 3.1.2 Process Design and Flow III-1
 - 3.1.2.1 *Process Flow 330.63(b)(2)(A), (B)* III-1
 - 3.1.2.2 *Ventilation and Odor Control 330.63(b)(2)(C)* III-3
 - 3.1.2.3 *Generalized Construction Details of Processing and Storage Units,330.63(b)(2)(D), (E), and (F)* III-3
 - 3.1.2.4 *Storage, Analysis and Disposition of Processed Materials 330.63(b)(2)(G) and (H), 330.63(d)(1)(C)*..... III-4
 - 3.1.3 Sanitation and Water Pollution Control, 330.63(b)(3) AND (4) III-6

3.1.4	Endangered Species Protection, 330.63(b)(5)	III-6
3.2	SITE DRAINAGE, 330.63(C) AND 330.303	III-6
3.4	CLOSURE PLAN AND COST ESTIMATE 330.63(h) and (j), 330.459, 330.461	III-8
3.5	POST-CLOSURE 330.63(i) and 330.463	III-8
3.6	NON APPLICABLE REGULATORY SECTIONS	III-8
4.0	SITE OPERATING PLAN, 330.65(a) AND (d)	IV-1
4.1	WASTE ACCEPTANCE, DISPOSAL AND ANALYSIS 330.203, 330.205, and 330.207	IV-1
4.1.1	Authorized Wastes	IV-1
4.1.2	Prohibited Wastes	IV-3
4.1.3	Waste Acceptance Procedures	IV-3
4.1.4	Processing Facility Operations Waste Analyses	IV-4
4.1.5	Waste Storage and Disposal	IV-5
4.1.6	Contaminated Water Management, 330.207	IV-6
4.2	STORAGE CONTAINER REQUIREMENTS 330.209 and 330.211	IV-6
4.3	RECORDKEEPING AND REPORTING 330.219	IV-7
4.3.1	Operating Record	IV-7
4.3.2	Manifest Retention 330.219(b)(8) and 312.145	IV-9
4.3.3	Report Signatures 330.219(c)	IV-11
4.4	FIRE PROTECTION PLAN, 330.221	IV-11
4.5	SITE ACCESS AND CONTROL 330.223 and 330.237	IV-13
4.6	UNLOADING OF WASTES AND INSPECTION OF INCOMING LOADS 330.225...	IV-13
4.7	SPILL PREVENTION AND CONTROL 330.227	IV-15
4.8	OPERATING HOURS 330.229	IV-15
4.9	SITE SIGN 330.231	IV-16
4.10	CONTROL OF WINDBLOWN MATERIAL AND LITTER 330.233	IV-16
4.11	MATERIALS ALONG THE ROUTE TO THE SITE AND CONTROL OF ACCIDENTAL SPILLAGE 330.235	IV-16
4.12	equipment inspection and CONTINGENCY PLANS FOR OVERLOADING AND BREAKDOWN 330.241	IV-17
4.13	SANITATION AND PERIODIC CLEANING 330.243	IV-18
4.14	VENTILATION AND AIR POLLUTION CONTROL 330.245	IV-18
4.15	HEALTH AND SAFETY PLAN 330.247	IV-19
4.16	EMPLOYEE SANITATION FACILITIES, 330.249	IV-21
4.17	NON APPLICABLE REGULATORY SECTIONS	IV-21



J. Brian Dudley
 9/23/23

LIST OF FIGURES

FIGURE

- 1 GENERAL MAP
- 2 TOPOGRAPHIC SITE LOCATION MAP
- 3 AERIAL PHOTO AND LAND USE MAP
- 4 LANDOWNERS WITHIN ¼ MILE
- 5 FLOOD PLAIN MAP
- 6 WIND ROSE PLOT
- 7 TRAFFIC MAP
- 8 SITE LAYOUT PLAN
- 9 LAYOUT DETAIL
- 10 PROCESS FLOW DIAGRAM
- 4-1 SPILL CONTAINMENT FEATURES (APPENDIX 4)



LIST OF APPENDICES

APPENDIX

- 1 SURVEY PLAT WITH LEGAL DESCRIPTION, EXISTING FACILITY ELEVATIONS;
SURVEY OF EXISTING FACILITIES AT THE SITE
- 2 MISCELLANEOUS ITEMS
 - EVIDENCE OF LEGAL STATUS
 - TPDES CERTIFICATION STATEMENT
 - PROPERTY OWNER AFFIDAVIT
 - EVIDENCE OF COMPETENCY INFORMATION
- 3 TYPICAL STORAGE TANK AND PROCESSING EQUIPMENT INFORMATION
- 4 SECONDARY CONTAINMENT CALCULATIONS
- 5 CLOSURE PLAN AND COST ESTIMATE
- 6 COORDINATION DOCUMENTATION
 - TEXAS HISTORICAL COMMISSION LETTER
 - TXDOT COORDINATION LETTER
 - PANHANDLE REGIONAL COUNCIL OF GOVERNMENTS LETTER

