

COMPREHENSIVE TABLE OF CONTENTS PARTS I THROUGH IV

SECTION

PART I GENERAL INFORMATION

CORE DATA FORM..... I-i

PART I FORM I-1

PART I ADDENDUM – ADDITIONAL LOCAL OFFICIALS LIST I-11

PART I ADDENDUM – LIST OF OTHER PERMITS..... I-12

PART II GENERAL INFORMATION

1.0 POST OAK MUNICIPAL SOLID WASTE LANDFILL SUPPLEMENTARY TECHNICAL REPORT..... II-1

2.0 WASTE ACCEPTANCE PLAN - 330.61(B) II- 4

 2.1 WASTE ACCEPTANCE RATE..... II- 8

3.0 FACILITY SETTING- 330.61(c-f, I)..... II- 9

 3.1 GENERAL LOCATION MAPS - 330.61(c, e AND f)..... II-10

 3.2 SURROUNDING LAND USE, WATER WELLS AND STRUCTURES - 330.61(c)..... II-10

 3.3 GENERAL LANDFILL LAYOUT - 330.61(c, d)..... II-10

4.0 IMPACT ON SURROUNDING AREA - 330.61(c), (g) AND (h) II-10

 4.1 CURRENT DEVELOPMENT..... II-10

 4.2 AIRPORTS II-11

 4.3 GROWTH TRENDS II-12

5.0 WELLS - 330.61 (c)(2), (h)(5), (I) II-19

 5.1 KNOWN WATER WELLS..... II-18

 5.2 OIL WELLS..... II-20

 5.3 ABANDONED OIL AND WATER WELLS II-20

6.0 TRANSPORTATION - 330.61(I) II-21

7.0 GENERAL GEOLOGY AND SOILS STATEMENT - 330.61 (j) II-24

 7.1 REGIONAL GEOLOGY II-24

 7.2 REGIONAL GEOLOGIC STRUCTURE..... II-26

 7.3 REGIONAL GROUNDWATER..... II-27

 7.4 FAULT AREAS..... II-30

 7.4.1 USGS Database II-30

 7.4.2 Darst Creek Fault..... II-31

 7.4.3 Subsidence II-31

 7.5 SEISMIC IMPACT ZONE ANALYSIS..... II-33

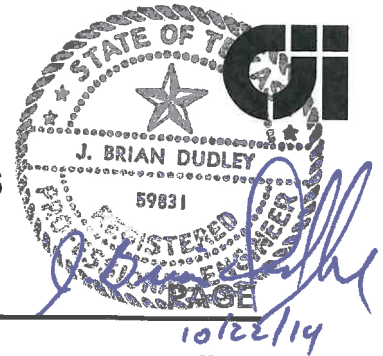
 7.6 DARST FIELD ANALYSIS..... II-35

 7.6.1 Induced Seismic Events II-36

 7.7 DARST CREEK OIL FIELD..... II-42

 7.8 REFERENCES II-42

COMPREHENSIVE TABLE OF CONTENTS PARTS I THROUGH IV



SECTION

8.0	GROUNDWATER AND SURFACE WATER - 330.61(k)	II-45
8.1	HYDROGEOLOGY	II-45
8.2	SURFACE WATER	II-47
8.3	STORMWATER PERMITTING	II-48
9.0	FLOODPLAINS AND WETLANDS - 330.61(m)	II-48
10.0	ENDANGERED OR THREATENED SPECIES - 330.61(n)	II-49
11.0	TEXAS HISTORICAL COMMISSION REVIEW - 330.61(o)	II-49
12.0	COUNCIL OF GOVERNMENTS REVIEW - 330.61(p)	II-49
13.0	EASEMENTS AND BUFFER ZONES - 330.543	II-50
14.0	LOCATION RESTRICTIONS - 330.541 - 330.559	II-51
15.0	NON APPLICABLE REGULATORY SECTIONS	II-51

PART III SITE DEVELOPMENT PLAN

SITE DEVELOPMENT PLAN OVERVIEW **III-1**

ATTACHMENT 1 – GENERAL FACILITY DESIGN..... **III-1-i**

FIGURES

1-1	SITE LAYOUT PLAN	III-1-7
1-2	LANDFILL SUPPORT AREA LAYOUT	III-1-8
1.3	WASTE MOVEMENT SCHEMATIC	III-1-9

APPENDIX 1A CITIZEN CONVENIENCE AREA EQUIPMENT **III-1A-i**

ATTACHMENT 2 SURFACE WATER DRAINAGE **III-2-i**

FIGURES

2-1	LANDFILL DRAINAGE PLAN	III-2-8
-----	------------------------------	---------

APPENDIX 2A EXISTING AND POST-DEVELOPMENT STORM WATER RUNOFF COMPARISON **III-2A-i**

FIGURES

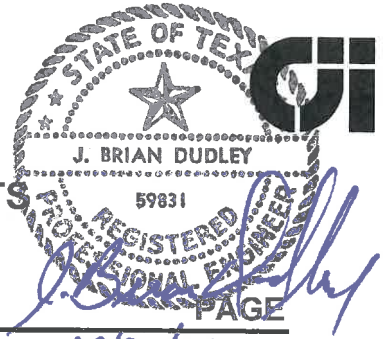
2A-1	PRE-DEVELOPMENT DRAINAGE AREA MAP	III-2A-5
2A-2	POST-DEVELOPMENT DRAINAGE AREA MAP	III-2A-6

EXHIBIT 2A-1 PRE-DEVELOPMENT HYDROLOGIC CALCULATIONS **III-2A1-i**

ANNEX 2A-1A SUPPORTING INFORMATION **III-2A1-19**

EXHIBIT 2A-2 POST-DEVELOPMENT HYDROLOGIC CALCULATIONS..... **III-2A-2-i**

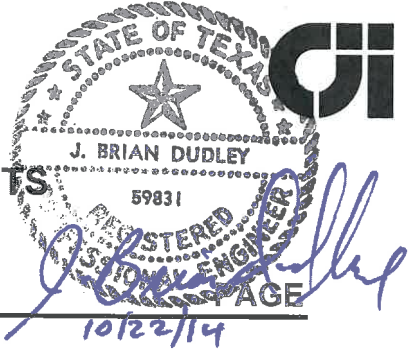
ANNEX 2A-2A SUPPORTING INFORMATION **III-2A2-47**



COMPREHENSIVE TABLE OF CONTENTS PARTS I THROUGH IV

SECTION

		PAGE
	<i>10/22/14</i>	
APPENDIX 2B	DRAINAGE SYSTEM DESIGN	III-2B-i
EXHIBIT 2B-1	FINAL COVER DRAINAGE STRUCTURE DESIGN	III-2B1-i
	FIGURES	
	2B1-0 FINAL COVER PLAN	III-2B1-5
	2B1-1 FINAL COVER DETAILS	III-2B1-6
	2B1-2 FINAL COVER DETAILS	III-2B1-7
ANNEX 2B-1A	SOIL LOSS ESTIMATE FOR FINAL COVER	III-2B-1A-i
	EXHIBIT A SUPPORTING INFORMATION	III-2B-1A-4
ANNEX 2B-1B	SHEET FLOW VELOCITIES FOR FINAL COVER	III-2B-1B-i
	EXHIBIT A SUPPORTING INFORMATION	III-2B-1B-4
	EXHIBIT B DEPTH-DURATION FREQUENCY PLOT AND FIGURES	III-2B-1B-10
ANNEX 2B-1C	DEVELOPED LANDFILL DRAINAGE DESIGN - RUNDOWN CHANNELS	III-2B-1C-i
ANNEX 2B-1D	DEVELOPED LANDFILL DRAINAGE DESIGN-INTERCEPT BERMS AND DRAINAGE TERRACES	III-2B-1D-i
	FIGURES	
	2B-1D1 BERM AND TERRACE LAYOUT	III-2B-1D-3
	2B-1D2 DRAINAGE AREAS	III-2B-1D-4
	EXHIBIT DRAINAGE CALCULATIONS	III-2B-1D-5
EXHIBIT 2B-2	FINAL COVER GEOCOMPOSITE DRAINAGE LAYER ANALYSIS	III-2B2-i
	FIGURES	
	2B2-1 FLOW PATH	III-2B2-7
ANNEX 2B-2A	HELP MODEL	III-2B2-8
ANNEX 2B-2B	CALCULATIONS	III-2B2-32



**COMPREHENSIVE TABLE OF CONTENTS
PARTS I THROUGH IV**

SECTION

EXHIBIT 2B-3 PERIMETER CHANNEL DESIGN CALCULATIONS III-2B-3-i

FIGURES

2B3-1	DRAINAGE SYSTEM LAYOUT (1 OF 2).....	III-2B3-7
2B3-2	DRAINAGE SYSTEM LAYOUT (2 OF 2).....	III-2B3-8
2B3-3	DRAINAGE DITCH 1 PROFILE.....	III-2B3-9
2B3-4	DRAINAGE DITCH 2 PROFILE STA 20+00 – 70+00.....	III-2B3-10
2B3-5	DRAINAGE DITCH 2 PROFILE STA 70+00 – 116+48.....	III-2B3-11
2B3-5A	DRAINAGE DITCH 3 PROFILE STA 20+00 – 58+75	III-2B3-11a
2B3-5B	DRAINAGE DITCH 4 PROFILE STA 21+04 – 67+22	III-2B3-11b
2B3-5C	DRAINAGE DITCH 5&6 PROFILES.....	III-2B3-11c
2B3-6	POND A AND B SECTIONS.....	III-2B3-12
2B3-7	POND SECTIONS.....	III-2B3-13
2B3-8	POND OUTLET DETAILS.....	III-2B3-14
2B3-9	CULVERTS.....	III-2B3-15

CALCULATIONS..... III-2B3-16

APPENDIX 2C EROSION, SEDIMENTATION, AND DRAINAGE CONTROL
FOR OPERATING AREAS OF THE LANDFILL..... III-2C-i

FIGURES

2C-1	PARTIALLY FILLED LANDFILL (CONCEPTUAL).....	III-2C-2-8
2C-2	TEMPORARY EROSION CONTROL DETAILS.....	III-2C-2-9
2C-3	EROSION CONTROL BEST MANAGEMENT PRACTICES (BMPS).....	III-2C-2-10

EXHIBIT 2C-1 SOIL LOSS ESTIMATE FOR INTERMEDIATE COVER..... III-2C1-i

ANNEX 2C-1A SUPPORTING INFORMATION..... III-2C1-3

EXHIBIT 2C-2 SHEET FLOW VELOCITIES FOR INTERMEDIATE COVER .. III-2C2-i

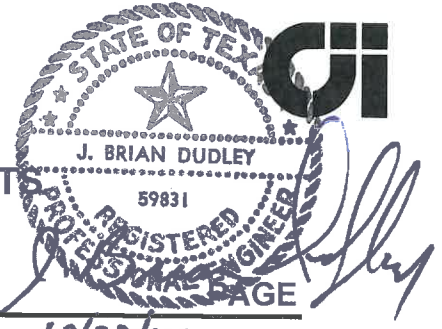
ANNEX 2C-2A SUPPORTING INFORMATION..... III-2C2-4

ATTACHMENT 3 LANDFILL WASTE MANAGEMENT UNIT DESIGN.....III-3-i

FIGURES

3-1	LANDFILL COMPLETION PLAN.....	III-3-3
3-2	LANDFILL CELL SEQUENCING PLAN.....	III-3-4
3-3	CROSS-SECTION LOCATION MAP.....	III-3-5
3-4	LANDFILL CROSS-SECTION A-A'.....	III-3-6
3-5	LANDFILL CROSS-SECTION B-B'.....	III-3-7
3-6	LANDFILL CROSS-SECTION C-C'.....	III-3-8

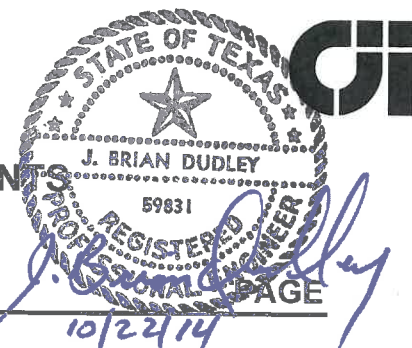
**COMPREHENSIVE TABLE OF CONTENTS
PARTS I THROUGH IV**



SECTION

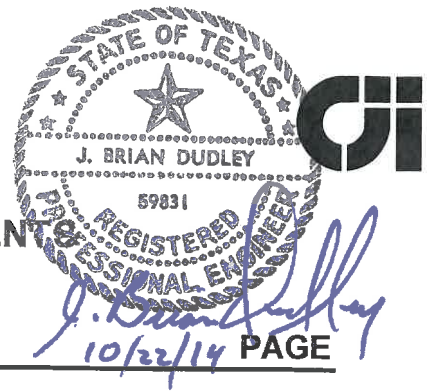
3-7 LANDFILL CROSS-SECTION D-D'	III-3-9
3-8 LANDFILL PERIMETER TYPICAL CROSS SECTION.....	III-3-10
3-9 LINER DETAILS	III-3-11
3-10 LINER DETAILS	III-3-12
3-11 LEACHATE COLLECTION SYSTEM DETAILS	III-3-13
3-12 FINAL COVER DETAILS	III-3-14
3-13 FINAL COVER DETAILS	III-3-15
3-14 LANDFILL ENTRANCE ROAD	III-3-16
3-15 ENTRANCE FACILITIES LAYOUT.....	III-3-17
APPENDIX 3A - SITE LIFE CALCULATIONS	III-3A--i
APPENDIX 3B - GEOTECHNICAL ANALYSIS	III-3B--i
APPENDIX 3C - LEACHATE AND CONTAMINATED WATER MANAGEMENT ...	III-3C--i
EXHIBIT 3C-1 LEACHATE COLLECTION SYSTEM ANALYSIS.....	III-3C1--i
FIGURE 3C-1-1 LCS FLOW PATHS.....	III-3C1-10
ANNEX 3C-1A REFERENCE 1, EXCERPTS FROM THE GSE DRAINAGE DESIGN MANUAL, JUNE 2004	III-3C1-11
ANNEX 3C-1B IMPINGEMENT RATE ANALYSIS.....	III-3C1-17
EXHIBIT 1 HELP MODEL INPUT AND OUTPUT SUMMARY	III-3C1-20
EXHIBIT 2 HELP MODEL EXECUTION FILES.....	III-3C1-22
ANNEX 3C-1C CALCULATIONS	III-3C1-82
EXHIBIT 3C-2 LEACHATE PIPE ANALYSIS	III-3C2-i
FIGURES	
1 BOUSSNESQ POINT LOADING AND FOUR POINTS ANALYZED FOR WORST-CASE LOADING AT VARIOUS DEPTHS	III-3C2-24
2 CELL BOTTOM PIPE OVERBURDEN.....	III-3C2-25
3 CELL BOTTOM PIPE OVERBURDEN	III-3C2-26
4 CELL BOTTOM PIPE OVERBURDEN	III-3C2-27
5 CELL BOTTOM PIPE OVERBURDEN	III-3C2-28
6 PIPE DETAIL	III-3C2-29
ANNEX 3C-2A CALCULATIONS	III-3C2-30
ANNEX 3C-2B EQUIPMENT SPECIFICATIONS.....	III-3C2-42
ANNEX 3C-2C PIPE DATA	III-3C2-48

**COMPREHENSIVE TABLE OF CONTENTS
PARTS I THROUGH IV**



SECTION

ANNEX 3C-2D	TABLE 2-8, REFERENCE 4, FOUNDATION ANALYSIS AND DESIGN	III-3C2-58
ANNEX 3C-2E	TABLE 35.10 AND TABLE 1.5 OF REFERENCE 1, CIVIL ENGINEERING REFERENCE MANUAL	III-3C2-60
EXHIBIT 3C-3	GEOTEXTILE ANALYSIS.....	III-3C3-i
ANNEX 3C-3A	SUPPORTING INFORMATION	III-3C3-10
	PRODUCT SPECIFICATIONS	III-3C3-11
	DRAINAGE CORRECTION FACTORS	III-3C3-14
	REFERENCE TABLES FROM "GEOMEMBRANE PROTECTION DESIGN MANUAL" BY DHANI NAREJO, PH.D. AND GREG CORCORAN, P.E.....	III-3C3-16
ANNEX 3C-3B	CALCULATION TABLES	III-3C3-22
EXHIBIT 3C-4	WORKING FACE CONTAINMENT AND DIVERSION BERM DESIGN	III-3C4-i
FIGURES		
3C4-1	WORKING FACE RUN- ON AND RUN-OFF CONTROL BERMS.....	III-3C4-2
3C4-2	INTERIM RUN-ON CONTROL BERM SIZING CALCULATIONS	III-3C4-2
3C4-3	RUN-OFF CONTAINMENT BERM AT WORKING FACE – SIZING CALCULATIONS.....	III-3C4-3
ANNEX 3C-4A	SUPPORTING INFORMATION	III-3C4-15
EXHIBIT 3C-5	EVAPORATION POND DESIGN AND PERFORMANCE	
	CALCULATIONS	III-3C5-i
ANNEX 3C-5A	SUPPORTING INFORMATION.....	III-3C5-3
APPENDIX 3D - LANDFILL LINER SYSTEM AND FINAL COVER SYSTEM DESIGN AND CONSTRUCTION		III-3D-i
EXHIBIT 3D-1 - SOILS AND GEOSYNTHETICS CONSTRUCTION QUALITY ASSURANCE PLAN.....		III-3D1-i
FIGURES		
3D-1	LINER DETAILS	III-3D1-55
3D-2	FINAL COVER DETAILS	III-3D1-56
3D-3	LOW PERMEABILITY TIE-IN	III-3D1-57
ANNEX 3D-1A	MATERIAL ACCEPTANCE CRITERIA.....	III-3D-1A-i



**COMPREHENSIVE TABLE OF CONTENTS
PARTS I THROUGH IV**

SECTION

ANNEX 3D-1B	GEOMEMBRANE TEST SPECIMEN LOCUS-OF-BREAK PATTERNS	III-3D-1B-i
EXHIBIT 3D-2 -	SEASONAL HIGH GROUNDWATER LEVELS	III-3D-2-i
FIGURES		
3D 2-1	SEASONAL HIGH GROUNDWATER TABLE FOR 425 SAND 3 MARCH 2011 – 29 MAY 2013	III-3D-2-2
3D 2-2	SEASONAL HIGH GROUNDWATER TABLE FOR FOR 395 SAND 3 MARCH 2011 – 29 MAY 2013	III-3D-2-3
EXHIBIT 3D-3 –	ALTERNATE LINER DEMONSTRATION FOR THE POST OAK LANDFILL.....	III-3D-3-i
FIGURES		
1	A DIAGRAM OF THE GAUSSIAN SOURCE BOUNDARY CONDITION	III-3D3-21
2	AREA UNDERLAIN BY THE 395 AND 425 SANDS	III-3D3-22
3	SENSITIVITY OF THE DILUTION FACTOR IN THE 425 SAND AND THE 395 SAND DUE TO CHANGES IN THE DISTANCE TO POINTOF COMPLIANCE	III-3D3-23
4	SENSITIVITY OF THE DILUTION FACTOR IN THE 425 SAND AND THE 395 SAND TO CHANGES IN THE HYDRAULIC GRADIENT.....	III-3D3-24
5	SENSITIVITY OF THE DILUTION FACTOR IN THE 425 SAND AND THE 395 SAND DUE TO CHANGES IN HYDRAULIC CONDUCTIVITY	III-3D3-25
6	SENSITIVITY OF THE DILUTION FACTOR DUE TO CHANGES IN THE WIDTH OF THE LANDFILL OVERLYING THE 425 SAND AND THE 395 SAND	III-3D3-26
APPENDICES		
A	WIDTH, LENGTH, AND AREA CALCULATIONS.....	III-3D3-27
B	FLUX RATE CALCULATIONS FOR ONE DEFECT/ACRE.....	III-3D3-35
C	FLUX RATE CALCULATIONS FOR FOUR DEFECTS/ACRE	III-3D3-38
D	FLUX RATE CALCULATIONS FOR ONE DEFECT / ACRE AND 1 INCH OF HEAD IN THE LINER	III-3D3-41
E	HYDRAULIC CONDUCTIVITY CALCULATIONS.....	III-D3-44
F	THICKNESS CALCULATIONS FOR THE 425 AND 325 SANDS.....	III-3D3-49
G	MULTIMED INPUT AND OUTPUT FILES (ON CD)	III-3D3-51

**COMPREHENSIVE TABLE OF CONTENTS
PARTS I THROUGH IV**



SECTION

ATTACHMENT 4 GEOLOGY REPORT 330.63(e) III-4-i

FIGURES

4-1 REGIONAL GEOLOGIC MAP III-4-45

4-2 REGIONAL CROSS SECTION III-4-46

4-3 INTENTIONALLY LEFT BLANK III-4-47

4-4 INTENTIONALLY LEFT BLANK III-4-48

4-5 REGIONAL AQUIFER III-4-49

4-6 REGIONAL GROUNDWATER ELEVATIONS III-4-50

4-7 CHEMICAL QUALITY OF REGIONAL GROUNDWATER III-4-51

4-8 BORING LOCATION MAP III-4-52

4-9 CROSS SECTION LOCATION MAP III-4-53

4-10 GEOLOGIC CROSS SECTION A-A' III-4-54

4-11 GEOLOGIC CROSS SECTION B-B' III-4-55

4-12 GEOLOGIC CROSS SECTION C-C' III-4-56

4-13 GEOLOGIC CROSS SECTION D-D' III-4-57

4-14 GEOLOGIC CROSS SECTION E-E' III-4-58

4-15 GEOLOGIC CROSS SECTION F-F' III-4-59

4-16 GEOLOGIC CROSS SECTION G-G' III-4-60

4-17 MONITOR WELL/PIEZOMETER LOCATION MAP III-4-61

4-18A 425 SAND GROUNDWATER JUNE 2013 GRADIENT MAP III-4-62

4-18B 425 SAND GROUNDWATER SEPTEMBER 2013 GRADIENT MAP III-4-63

4-18C 425 SAND GROUNDWATER MARCH 2014 GRADIENT MAP III-4-64

4-19A 395 SAND GROUNDWATER JUNE 2013 GRADIENT MAP III-4-65

4-19B 395 SAND GROUNDWATER SEPTEMBER 2013 GRADIENT MAP III-4-66

4-19C 395 SAND GROUNDWATER MARCH 2014 GRADIENT MAP III-4-67

4-20A 325 SAND GROUNDWATER JUNE 2013 GRADIENT MAP III-4-68

4-20B 325 SAND GROUNDWATER SEPTEMBER 2013 GRADIENT MAP III-4-69

4-20C 325 SAND GROUNDWATER GRADIENT MAP III-4-70

APPENDIX 4A – WATER WELL SEARCH REPORT III-4A-I

APPENDIX 4B – BORING LOGS AND GEOPHYSICAL LOGS III-4B-I

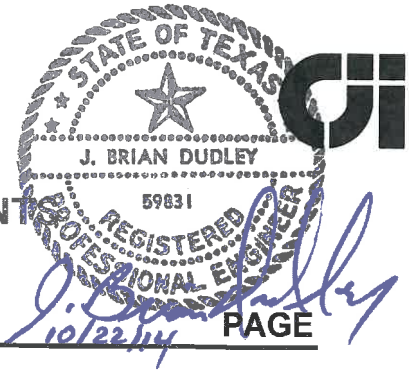
APPENDIX 4C – BMC –ARIAS HYDRAULIC CONDUCTIVITY REPORTS III-4C-I

APPENDIX 4D – CJI – GEOTECHNICAL LABORATORY RESULTS III-4D-I

APPENDIX 4E – WELL CONSTRUCTION SUMMARIES III-4E-I

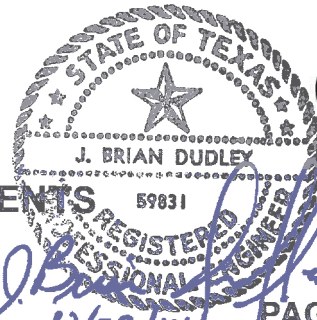
APPENDIX 4F – PUMP TEST DATA III-4F-I

APPENDIX 4G - GROUNDWATER ANALYTICAL DATA SUMMARY III-4G-I



**COMPREHENSIVE TABLE OF CONTENTS
PARTS I THROUGH IV**

SECTION	PAGE
APPENDIX 4H – BASIC INTERPRETATION OF LITHOLOGY FROM GEOPHYSICAL LOGS AT PROPOSED POST OAK LANDFILL SITE, GUADALUPE COUNTY, TX	III-4H-i
APPENDIX 4I – HYDRAULIC ISOLATION OF THE 325 SAND	III-4I-i
APPENDIX 4J SHALLOW GROUNDWATER FIELD DATA COLLECTION, PROPOSED POST OAK CLEAN GREEN, INC. LANDFILL, GUADALUPE COUNTY, TEXAS	III-4J-i
ATTACHMENT 5 GROUNDWATER SAMPLING AND ANALYSIS PLAN 330.63(f)	III-5-i
FIGURES	
5-1 PROPOSED 425 SAND MONITORING LOCATIONS	III-5-18
5-2a PROPOSED 395 SAND MONITORING LOCATIONS	III-5-19
5-2b PROPOSED 325 SAND MONITORING LOCATIONS	III-5-20
5-3 (TYPICAL) MONITORING WELL DETAIL	III-5-21
5-4 GROUNDWATER MONITORING SYSTEM	III-5-22
5-5A PROPOSED 425 ZONE WELL PHASING FOR CELLS 1 & 2	III-5-23
5-5B PROPOSED 425 ZONE WELL PHASING FOR CELL 3	III-5-24
5-5C PROPOSED 425 ZONE WELL PHASING FOR CELLS 4 & 6	III-5-25
5-5D PROPOSED 425 ZONE WELL PHASING FOR CELLS 5, 7, 9, 11 & 13	III-5-26
5-5E PROPOSED 425 ZONE WELL PHASING FOR CELLS 8, 10 & 12	III-5-27
5-5F PROPOSED 425 ZONE WELL PHASING FOR CELLS 14, 16, 18 & 20	III-5-28
5-5G PROPOSED 425 ZONE WELL PHASING FOR CELLS 15, 17 & 19	III-5-29
5-6A PROPOSED 395 ZONE WELL PHASING FOR CELLS 1 & 2	III-5-30
5-6B PROPOSED 395 ZONE WELL PHASING FOR CELL 3	III-5-31
5-6C PROPOSED 395 ZONE WELL PHASING FOR CELLS 4 & 6	III-5-32
5-6D PROPOSED 395 ZONE WELL PHASING FOR CELLS 5, 7, 9, 11 & 13	III-5-33
5-6E PROPOSED 395 ZONE WELL PHASING FOR CELLS 8, 10 & 12	III-5-34
5-6F PROPOSED 395 ZONE WELL PHASING FOR CELLS 14, 16, 18 & 20	III-5-35
5-6G PROPOSED 395 ZONE WELL PHASING FOR CELLS 15, 17 & 19	III-5-36
5-7A PROPOSED 325 ZONE WELL PHASING FOR CELLS 1 & 2	III-5-37
5-7B PROPOSED 325 ZONE WELL PHASING FOR CELL 3	III-5-38
5-7C PROPOSED 325 ZONE WELL PHASING FOR CELLS 4 & 6	III-5-39
5-7D PROPOSED 325 ZONE WELL PHASING FOR CELLS 5, 7, 9, 11 & 13	III-5-40
5-7E PROPOSED 325 ZONE WELL PHASING FOR CELLS 8, 10 & 12	III-5-41
5-7F PROPOSED 325 ZONE WELL PHASING FOR CELLS 14, 16, 18 & 20	III-5-42
5-7G PROPOSED 325 ZONE WELL PHASING FOR CELLS 15, 17 & 19	III-5-43
APPENDIX 5A - GROUNDWATER SAMPLING AND ANALYSIS PLAN STANDARD OPERATING PROCEDURES	III-5A-i
EXHIBIT 5A-1 - LABORATORY REVIEW CHECKLIST	III-5A-1-i



**COMPREHENSIVE TABLE OF CONTENTS
PARTS I THROUGH IV**

SECTION

PAGE

ATTACHMENT 6 LANDFILL GAS MANAGEMENT PLAN 330.63(g)..... III-6-i

FIGURES

 6-1 METHANE PROBE MONITORING LAYOUT..... III-6-9

 6-2 TYPICAL GAS MONITORING PROBE..... III-6-10

 6-3 TYPICAL LANDFILL GAS EXTRACTION WELL DETAIL..... III-6-11

 APPENDIX 6A - LANDGEM MODEL OUTPUT III-6A-i

ATTACHMENT 7 CLOSURE PLAN 330.63(h) and (j)..... III-7-i

 APPENDIX 7A - CLOSURE COST ESTIMATE III-7A-i

ATTACHMENT 8 POST CLOSURE PLAN..... III-8-i

 APPENDIX 8A - POST-CLOSURE COST ESTIMATE III-8A-i

PART IV – SITE OPERATING PLAN

1.0 INTRODUCTION..... IV- 1

2.0 PRE-OPERATION NOTICE 330.123..... IV- 1

3.0 RECORD KEEPING REQUIREMENTS 330.125 IV-1

 3.1 LANDFILL PERSONNEL 330.127 IV-3

 3.2 EQUIPMENT 330.127(2)..... IV- 5

 3.3 OPERATIONAL INSTRUCTIONS 330.127(3)..... IV- 6

 3.4 PERSONNEL TRAINING 330.127(4) AND 335.586(A) AND (C)..... IV- 7

 3.5 DETECTION AND PREVENTION OF PROHIBITED WASTES 330.127(5) ... IV- 8

4.0 FIRE PROTECTION PLAN, 330.129..... IV-11

5.0 ACCESS CONTROL 330.131 IV-16

 5.1 SITE SECURITY IV-16

 5.2 TRAFFIC CONTROL..... IV-16

6.0 UNLOADING OF WASTES 330.133 IV-17

7.0 FACILITY OPERATING HOURS 330.135..... IV-19

8.0 SITE SIGN 330.137 IV-20

9.0 CONTROL OF WINDBLOWN SOLID WASTE AND LITTER 330.139 IV-20

10.0 EASEMENT AND BUFFER ZONES 330.141 IV-20

11.0 LANDFILL MARKERS AND BENCHMARK 330.143 IV-21

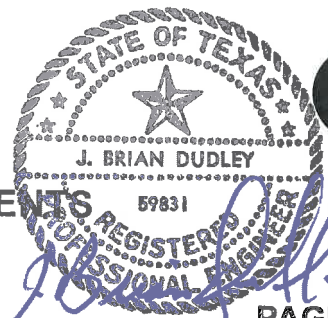
12.0 MATERIALS ALONG THE ROUTE TO THE SITE 330.145 IV-

13.0 DISPOSAL OF LARGE ITEMS 330.147 IV-23

14.0 ODOR MANAGEMENT PLAN 330.149 IV-23

15.0 DISEASE VECTOR CONTROL 330.151..... IV-24

16.0 SITE ACCESS ROADS 330.153 IV-24



**COMPREHENSIVE TABLE OF CONTENTS
PARTS I THROUGH IV**

J. Brian Dudley
PAGE 10/22/14

SECTION

17.0	SALVAGING AND SCAVENGING 330.155	IV-24
18.0	ENDANGERED SPECIES PROTECTION 330.157	IV-25
19.0	LANDFILL GAS CONTROL 330.159	IV-25
20.0	OIL, GAS AND WATER WELLS 330.161	IV-26
20.1	WATER WELLS	IV-26
20.2	OIL AND GAS WELLS	IV-26
21.0	COMPACTION 330.163	IV-27
22.0	LANDFILL COVER 330.165	IV-27
22.1	DAILY COVER 330.165(A).....	IV-27
22.2	INTERMEDIATE COVER 330.165 (C)	IV-27
22.3	ALTERNATE COVER 330.165(D).....	IV-28
22.4	FINAL COVER 330.165(F).....	IV-28
22.5	EROSION OF COVER 330.165(G)	IV-29
22.6	COVER INSPECTION RECORD 330.165(H)	IV-29
23.0	PONDED WATER 330.167	IV-29
24.0	DISPOSAL OF SPECIAL WASTES 330.171	IV-30
25.0	DISPOSAL OF INDUSTRIAL SOLID WASTES 330.173	IV-31
26.0	VISUAL SCREENING OF DEPOSITED WASTE 330.175	IV-31
27.0	LEACHATE AND GAS CONDENSATE RECIRCULATION 330.177	IV-32
28.0	OPERATING PLANS FOR WASTES AND RECYCLABLES NOT MANAGED AT THE LANDFILL WORKING FACE 330.63(d)(1)(A)-(C)	IV-32
28.1	YARD WASTE, CLEAN WOOD WASTES, AND BRUSH	IV-32
28.2	RECYCLABLES, USED OIL AND LEAD BATTERY STORAGE	IV-32
28.3	SCRAP TIRE AREA	IV-32
28.4	LARGE ITEM AND WHITE GOODS	IV-33
28.5	REUSABLE MATERIALS STAGING AREA	IV-34
28.6	MUNICIPAL SOLID WASTE CONTAINERS IN THE CITIZENS CONVENIENCE AREA, 330.209 AND 330.211	IV-34
28.7	CONTAMINATED WATER MANAGEMENT	IV-35