



Texas Commission on Environmental Quality

Waste Permits Division Correspondence

Cover Sheet

Date: August 9, 2023

Facility Name: South Texas DeWatering Facility

Permit or Registration No.: 2417

Nature of Correspondence:

☐ Initial/New

☒ Response/Revision to TCEQ Tracking No.: 28154406 (from subject line of TCEQ letter regarding initial submission)

Affix this cover sheet to the front of your submission to the Waste Permits Division. Check appropriate box for type of correspondence. Contact WPD at (512) 239-2335 if you have questions regarding this form.

Table 1 - Municipal Solid Waste Correspondence

Applications	Reports and Notifications
<input type="checkbox"/> New Notice of Intent	<input type="checkbox"/> Alternative Daily Cover Report
<input type="checkbox"/> Notice of Intent Revision	<input type="checkbox"/> Closure Report
<input type="checkbox"/> New Permit (including Subchapter T)	<input type="checkbox"/> Compost Report
<input checked="" type="checkbox"/> New Registration (including Subchapter T)	<input type="checkbox"/> Groundwater Alternate Source Demonstration
<input type="checkbox"/> Major Amendment	<input type="checkbox"/> Groundwater Corrective Action
<input type="checkbox"/> Minor Amendment	<input type="checkbox"/> Groundwater Monitoring Report
<input type="checkbox"/> Limited Scope Major Amendment	<input type="checkbox"/> Groundwater Background Evaluation
<input type="checkbox"/> Notice Modification	<input type="checkbox"/> Landfill Gas Corrective Action
<input type="checkbox"/> Non-Notice Modification	<input type="checkbox"/> Landfill Gas Monitoring
<input type="checkbox"/> Transfer/Name Change Modification	<input type="checkbox"/> Liner Evaluation Report
<input type="checkbox"/> Temporary Authorization	<input type="checkbox"/> Soil Boring Plan
<input type="checkbox"/> Voluntary Revocation	<input type="checkbox"/> Special Waste Request
<input type="checkbox"/> Subchapter T Disturbance Non-Enclosed Structure	<input type="checkbox"/> Other:
<input type="checkbox"/> Other:	

Table 2 - Industrial & Hazardous Waste Correspondence

Applications	Reports and Responses
<input type="checkbox"/> New	<input type="checkbox"/> Annual/Biennial Site Activity Report
<input type="checkbox"/> Renewal	<input type="checkbox"/> CPT Plan/Result
<input type="checkbox"/> Post-Closure Order	<input type="checkbox"/> Closure Certification/Report
<input type="checkbox"/> Major Amendment	<input type="checkbox"/> Construction Certification/Report
<input type="checkbox"/> Minor Amendment	<input type="checkbox"/> CPT Plan/Result
<input type="checkbox"/> CCR Registration	<input type="checkbox"/> Extension Request
<input type="checkbox"/> CCR Registration Major Amendment	<input type="checkbox"/> Groundwater Monitoring Report
<input type="checkbox"/> CCR Registration Minor Amendment	<input type="checkbox"/> Interim Status Change
<input type="checkbox"/> Class 3 Modification	<input type="checkbox"/> Interim Status Closure Plan
<input type="checkbox"/> Class 2 Modification	<input type="checkbox"/> Soil Core Monitoring Report
<input type="checkbox"/> Class 1 ED Modification	<input type="checkbox"/> Treatability Study
<input type="checkbox"/> Class 1 Modification	<input type="checkbox"/> Trial Burn Plan/Result
<input type="checkbox"/> Endorsement	<input type="checkbox"/> Unsaturated Zone Monitoring Report
<input type="checkbox"/> Temporary Authorization	<input type="checkbox"/> Waste Minimization Report
<input type="checkbox"/> Voluntary Revocation	<input type="checkbox"/> Other:
<input type="checkbox"/> 335.6 Notification	
<input type="checkbox"/> Other:	

August 9, 2023

Mr. Javier Galvan
Project Manager
Municipal Solid Waste Permits – MC 124
Texas Commission on Environmental Quality
12100 Park 35 Circle, Building F
Austin, Texas 78753

RE: South Texas Dewatering Facility - MSW Permit No. 2417 Tracking No. 28154406

Dear Mr. Galvan:

On behalf of South Texas Dewatering, INTERA Incorporated (INTERA) is submitting supplemental information regarding the Type V permit application for the South Texas Dewatering Facility in Alice. The enclosed documents reflect the addition of a roof over the Unloading Area.

List of Enclosures and Replacement Page Instructions

Enclosed are an original and two copies of the following:

1. Sealed and signed replacement Cover Page for Application Document that should replace the current cover at the front of the document.
2. Sealed and signed replacement Table of Contents page iii that should replace the current page iii.
3. A replacement Part I Form page 1 to replace the current Part I Form page 1.
4. A signed and notarized Part I Form Signature Page to replace the current Signature page.
5. Sealed and signed Cover Page for Part III that should replace the current Part III Cover Page.
6. Replacement Part III pages 3-9 through 3-11 that should replace the current pages with the same numbers.
7. Replacement Figure 10 to replace the current Figure 10.
8. Replacement Figure 11 to replace the current Figure 11.
9. Sealed and signed Appendix 4 pages APP-4-2 through APP-4-3 that should replace the current pages APP 4-2 through APP-4-3. There is also a replacement page APP-4-4 that is now intentionally left blank and that should replace the current page APP-4-4.
10. Sealed and signed Appendix 4 page APP-4-5 that should replace the current page APP-4-5.
11. Sealed and signed Appendix 4 page APP-4-7 that should replace the current page APP-4-7.

One marked/redlined copy of the application cover pages, Part III cover page, and changes to the text in Part III and Appendix IV is also included.

An unmarked copy will also be mailed to the Waste Section Manager of the TCEQ Region 14 Office.

We appreciate your review of this application. Please contact me via email at jglaser@intera.com or via phone at 512.425.2058 if you have any questions.

Sincerely,

INTERA Incorporated



Jeff Glaser, P.E.
Principal Engineer

Enclosure

cc: Mr. Howard Adams
Mr. Brian Dudley, P.E.
TCEQ Region 14 Waste Section Manager

SOUTH TEXAS DEWATERING FACILITY, ALICE, JIM WELLS COUNTY, TEXAS MSW PERMIT NO. 2417

TCEQ MSW Type V Permit Application

Prepared for:

South Texas DeWatering LLC
P.O. Box 721005
McAllen, TX 78504

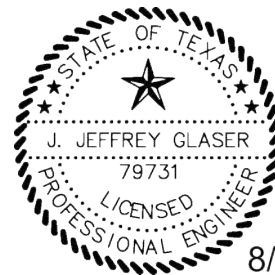
Prepared by:



INTERA Incorporated
9600 Great Hills Trail
Suite 300W
Austin, Texas 78759

Permit Application December 12, 2022
Revision 1 (Admin NOD) January 17, 2023
Revision 2 (Technical NOD) May 26, 2023
Revision 3 (Technical NOD) July 12, 2023
Revision 4 August 7, 2023

This document is issued for
permitting purposes only.



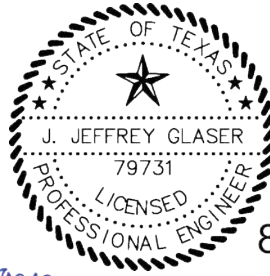
8/7/2023

A handwritten signature in blue ink that reads "J. Jeffrey Glaser".

J. Jeffrey Glaser, P.E.
INTERA Incorporated
Registered Engineering Firm F-4722

For permitting only

J. Jeffrey Glaser



8/7/2023

2.8	FLOODPLAINS AND WETLANDS [330.61(m), 330.547, and 330.553]	2-10
2.9	ENDANGERED SPECIES COMPLIANCE [330.61(n) and 330.551].....	2-10
2.10	COUNCIL OF GOVERNMENT REVIEW 330.61(p), REVIEW OF APPLICATION BY GOVERNMENTAL AGENCIES 39.103 (c).....	2-11
2.11	EASEMENTS AND BUFFER ZONES [330.543]	2-11
2.12	NON-APPLICABLE REGULATORY SECTIONS	2-12
3.0	SITE PLAN	3-1
3.1	GENERAL FACILITY DESIGN.....	3-1
3.1.1	Facility Access Control, 330.63(b)(1)	3-1
3.1.2	Process Design and Flow	3-1
3.1.2.1	Process Flow 330.63(b)(2)(A), (B)	3-1
3.1.2.2	Ventilation and Odor Control 330.63(b)(2)(C)	3-4
3.1.2.3	Generalized Construction Details of Processing and Storage Units, 330.63(b)(2)(D), (E), and (F)	3-4
3.1.2.4	Storage, Analysis and Disposition of Processed Materials 330.63(b)(2)(G) and (H), 330.63(d)(1)(C)	3-5
3.1.3	Sanitation and Water Pollution Control, 330.63(b)(3) AND (4)	3-7
3.1.4	Endangered Species Protection, 330.63(b)(5)	3-8
3.2	SITE DRAINAGE, 330.63(c) and 330.303	3-8
3.3	WASTE MANAGEMENT UNIT DESIGN AND SPILL PREVENTION/CONTROL, 330.63(d)(1)(A-c) and 330.227	3-8
3.4	CLOSURE PLAN AND COST ESTIMATE 330.63(h) and (j), 330.459, 330.461 ...	3-9
3.5	POST-CLOSURE 330.63(i) and 330.463	3-10



Texas Commission on Environmental Quality

Part I Application Form for New Permit, Permit Amendment, or Registration for a Municipal Solid Waste Facility

Application Tracking Information

Facility Name: South Texas DeWatering Facility

Permittee or Registrant Name: South Texas DeWatering LLC

MSW Authorization Number: 2417

Initial Submission Date: 12/12/2022

Revision Date: 8/7/2023

Instructions for completing this Part I Application Form are provided in [TCEQ 00650-instr](#)¹. Include a [Core Data Form \(TCEQ 10400\)](#)² with the application for the facility owner, and another Core Data Form for the operator if different from the owner. If you have questions, contact the Municipal Solid Waste Permits Section by email to mswper@tceq.texas.gov, or by phone at 512-239-2335.

Application Data

1. Submission Type

☐ Initial Submission ☒ Notice of Deficiency (NOD) Response

2. Authorization Type

☒ Permit ☐ Registration

3. Application Type

☒ New Permit

☐ Permit Major Amendment ☐ Permit Limited Scope Major Amendment

☐ New Registration

¹ www.tceq.texas.gov/downloads/permitting/waste-permits/msw/forms/00650-instr.pdf

² www.tceq.texas.gov/goto/coredata

Signature Page

Site Operator or Authorized Signatory

I 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.

Name: Howard Adams Title: President

Email Address: stwwrgv@aol.com

Signature:  Date: 8-8-23

Operator or Principal Executive Officer Designation of Authorized Signatory

To be completed by the operator if the application is signed by an authorized representative for the operator.

I hereby designate _____ 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.

Operator or Principal Executive Officer Name: _____

Email Address: _____

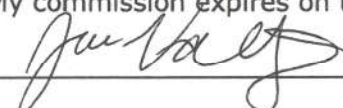
Signature: _____ Date: _____

Notary

SUBSCRIBED AND SWORN to before me by the said Jessica Valdez

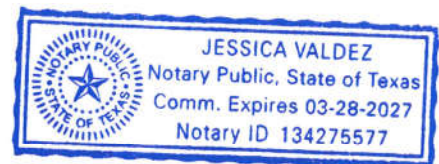
On this 08 day of 08, 2023

My commission expires on the 03 day of 28, 2027



Notary Public in and for

Hidalgo County, Texas



Note: Application Must Bear Signature & Seal of Notary Public

SOUTH TEXAS DEWATERING FACILITY

Part III Site Development Plan

Prepared for:

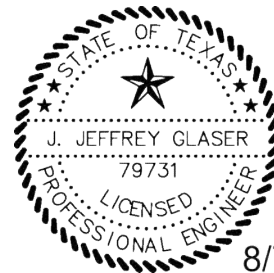
South Texas DeWatering LLC
P.O. Box 721005
McAllen, TX 78504

This document is issued for
permitting purposes only.

Prepared by:



INTERA Incorporated
9600 Great Hills Trail
Suite 300W
Austin, Texas 78759



8/7/2023

A handwritten signature in blue ink that reads "J. Jeffrey Glaser".

J. Jeffrey Glaser, P.E.
INTERA Incorporated
Registered Engineering Firm F-4722

December 12, 2022
Revision 2 (Technical NOD) May 26, 2023
Revision 3 (Technical NOD) July 12, 2023
Revision 4 August 7, 2023

spill containment are included in Appendix 4 of this report. To prevent leakage, any sumps will be constructed with a geomembrane underliner or a protective surface coating that is inspected for damage at least semi-annually.

Storage Tank Area -- The storage tank area contains a paved slab and perimeter walls that have sufficient capacity to contain a spill from the largest storage tank of 21,000 gallons and the 25-year, 24-hour storm if no roof will cover the area. Calculations in Appendix 4 show that sufficient spill containment can be provided with 31-inch walls if no roof is provided or 20-inch walls with a roof.

Unloading Area -- Truck unloading of incoming liquid waste will occur at the paved unloading slab, which incorporates minimum 8.5 inch rollover curbs or walls to control runoff and also contain waste spills. This area will be roofed and can store a 5,000 gallon spill from a tanker truck. Containment calculations are shown in Appendix 4.

Phase 1 Processing Building -- Runoff and spill control is provided by 5 inch rollover or standard curb at the perimeter of the building. Additionally, a minimum 1000 gallon sump is provided for collection and storage of liquids from the building.

Phase 2 Processing Building -- A 2-ft high wall is provided around the perimeter of the building for runoff and spill control from the 20,000 tanks. To promote easier access to the building, it may be constructed with the slab depressed about a foot below natural grade with the wall projecting above natural grade. Soil can be backfilled against the outside of the wall for easy access to doorways located above the wall height.

Grit Drying Area - The grit drying area is a slab surrounded by a 1 ft high standard or rollover curb to contain the moist grit. This area will have a roof or a cover to divert rainfall from mixing with the grit. There will always be at least 2 inches of freeboard above free liquids in the grit area to prevent overtopping and spillage.

3.4 CLOSURE PLAN AND COST ESTIMATE 330.63(h) and (j), 330.459, 330.461

The facility closure plan is contained in Appendix 5. It lists specific actions which must be accomplished when the site closes and the schedule for these actions. Once completed, the

closure work is certified by an Engineer, and TCEQ will determine that the facility may be classified as properly closed.

Additionally, a cost estimate for closure actions is contained in Appendix 5. The financial assurance will be established in this amount and maintained for closure of the facility in accordance with TAC Chapter 37, Subchapter R, including annual inflation adjustments as required by TCEQ.

3.5 POST-CLOSURE 330.63(i) and 330.463

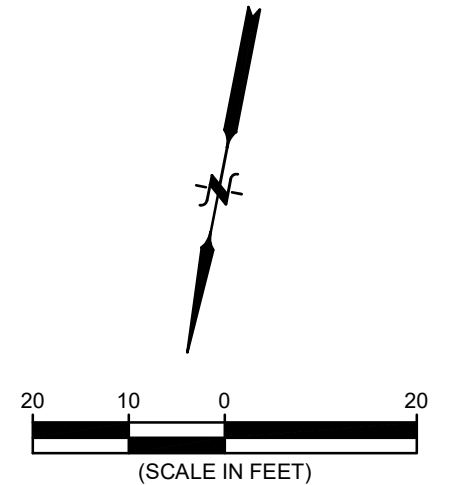
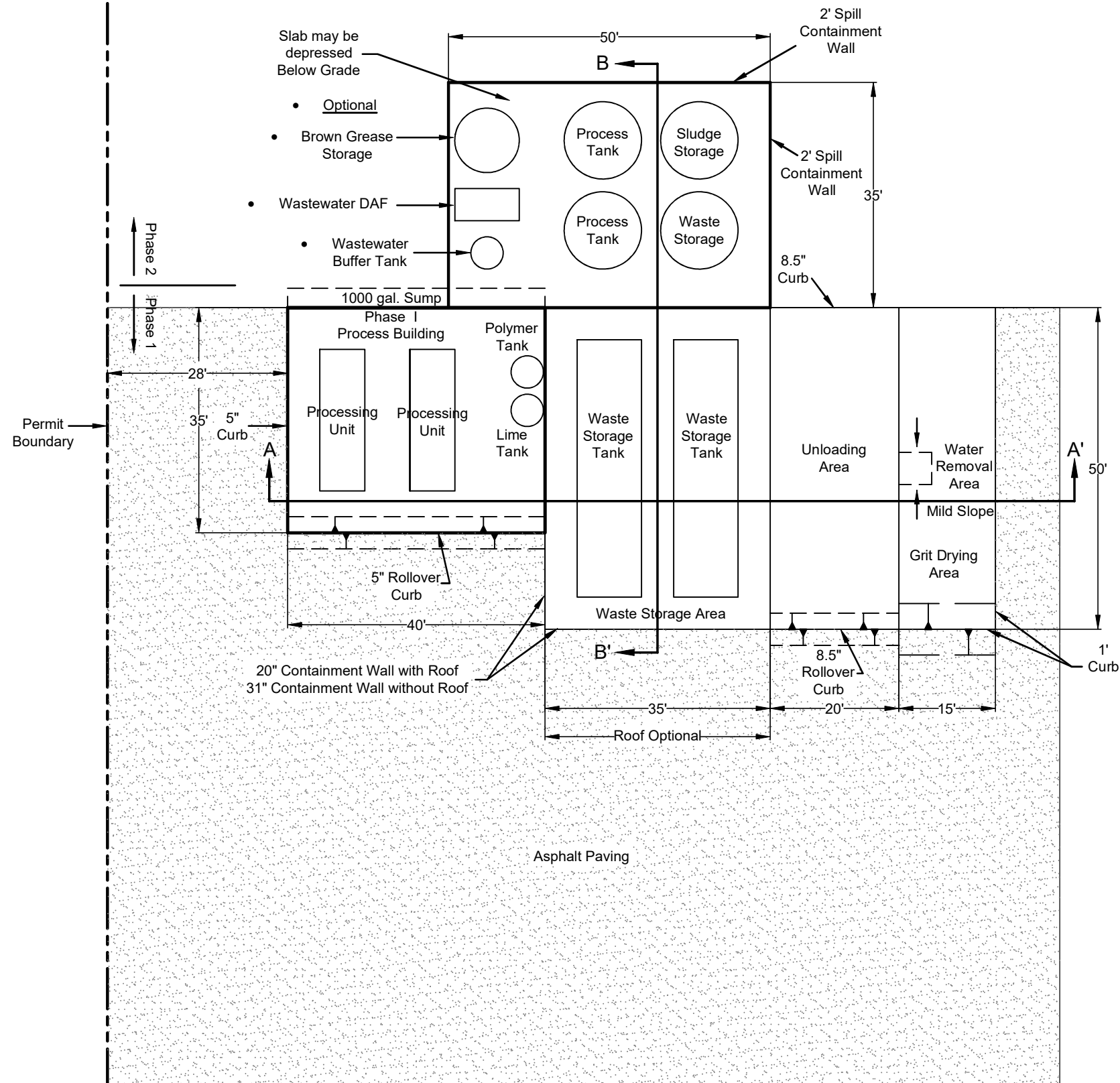
All wastes and waste residues will be removed from the site during closure, and no post-closure care will be required.

3.6 NON APPLICABLE REGULATORY SECTIONS

- §330.63(b)(2)(I), applicable only for transfer stations;
- §330.63(c)(1) and (2), applicable only for landfills;
- §330.63(d)(2), applicable only for incineration units;
- §330.63(d)(3), applicable only for facilities having a surface impoundment;
- §330.63(d)(4)-(7) and (9), applicable only for facilities other than Type V;
- §330.63(e), geology report applicable only for landfills and compost units;
- §330.63(f), groundwater sampling and analysis applicable only for landfills and some composting facilities;
- §330.63(g), applicable only for landfills' gas management plans;
- §330.305, applicable only for landfills;
- §330.307, applicable only for landfills;
- Subchapter F, applicable for laboratory analyses submitted for TCEQ decision-making.
This facility will conduct some waste-related sampling for record purposes and will use

EPA approved methods as described in Section 3.1.2.4, however, no reporting for decision-making is required;

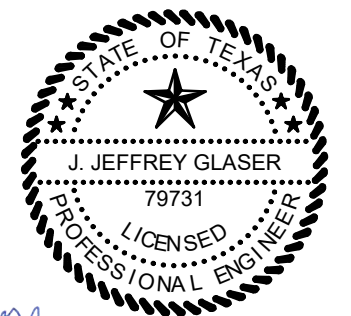
- Subchapter H, applicable only to facilities with liners, which does not include this facility;
and
- Subchapter J, applicable only to facilities with groundwater monitoring, which does not include this facility.




LEGEND
----- Permit Boundary

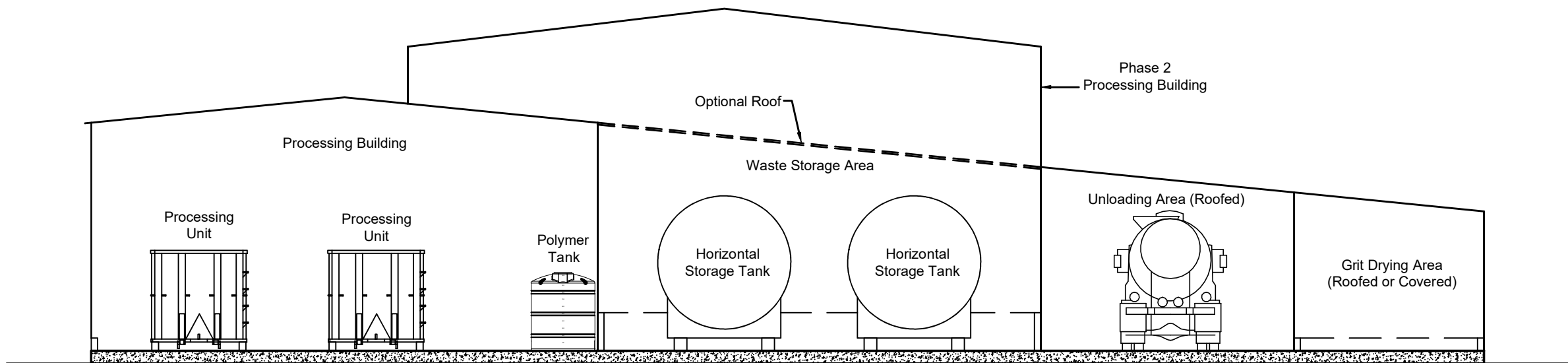
8/7/2023

J. Jeffrey Glaser

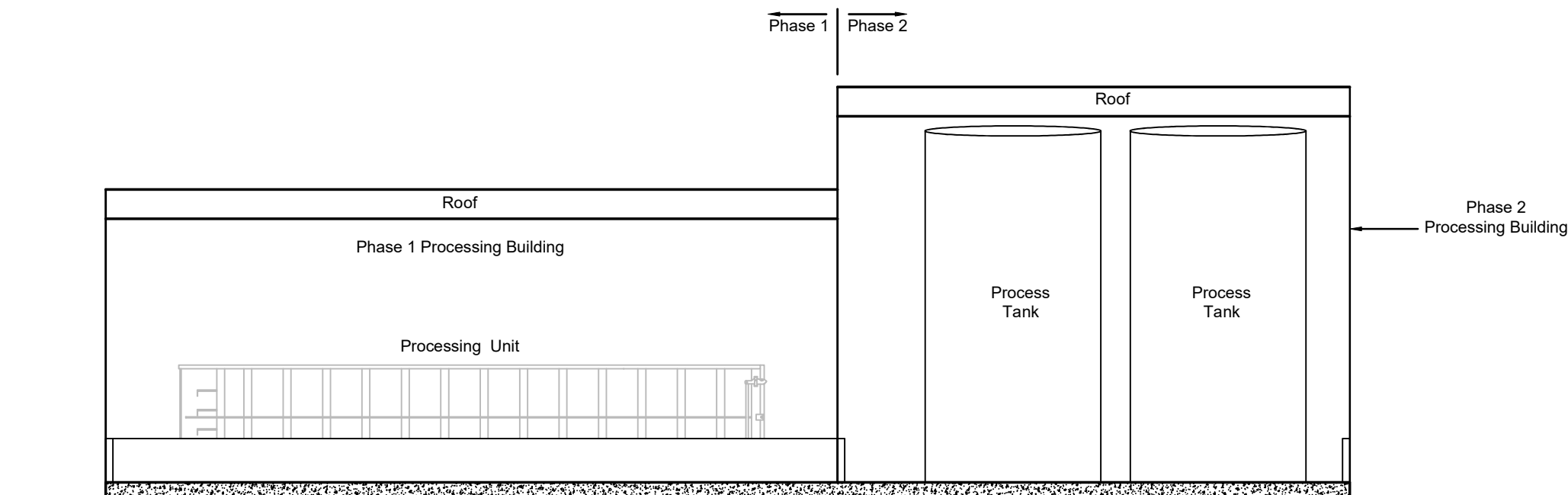


FOR PERMITTING ONLY

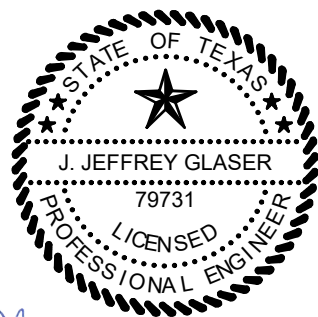
2	8/07/23	ADDED UNLOADING AREA ROOF		
1	7/12/23	PER TECHNICAL NOD2		
REV.	DATE	DESCRIPTION	DR BY	APP BY
 INTERA 9600 GREAT HILLS TRAIL, SUITE 300W AUSTIN, TEXAS 78759 USA 512-425-2000 TEXAS REGISTERED ENGINEERING FIRM F-4722				
PROJECT: SOUTH TEXAS DEWATERING 502 COMMERCE ROAD ALICE, TEXAS				
SHEET TITLE: OPERATIONS AREA DETAIL				
DES BY			SCALE: SEE BAR SCALE	
DR BY	SDB		PROJ NO. STXWWW.M001.MSW	
CHK BY	JBD		DWG NO. STXWWW.M001.MSW010R2	
APP BY	JJG		SHEET 1 OF 1 SHEETS	
DATE ISSUED: 12-12-2022			FIGURE NO.	
PURPOSE: PERMIT APPLICATION			10	



Cross-Section A-A'
Scale: 1" = 10'




Cross-Section B-B'
Scale: 1" = 10'

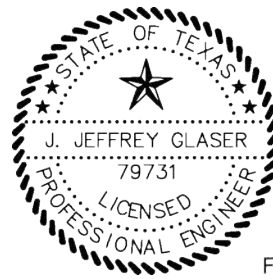


8/7/2023

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2	8/07/23	ADDED UNLOADING AREA ROOF		
1	7/12/23	PER TECHNICAL NOD2		
REV.	DATE	DESCRIPTION	DR BY	APP BY
<div><div>INTERA</div><div>9600 GREAT HILLS TRAIL, SUITE 300W AUSTIN, TEXAS 78759 USA 512-425-2000 TEXAS REGISTERED ENGINEERING FIRM F-4722</div></div>				
PROJECT: SOUTH TEXAS DEWATERING 502 COMMERCE ROAD ALICE, TEXAS				
SHEET TITLE: OPERATIONS AREA CROSS SECTIONS				
DES BY		SCALE:	SEE BAR SCALE	
DR BY	SDB	PROJ NO.	STXWWW.M001.MSW	
CHK BY	JBD	DWG NO.	STXWWW.M001.MSW011R2	
APP BY	JJG	SHEET	1 OF 1 SHEETS	
DATE ISSUED: 12-12-2022		FIGURE NO.		
PURPOSE: PERMIT APPLICATION		11		



8/7/2023

J. Jeffrey Glaser
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APPENDIX 4

SPILL PREVENTION AND TANK SECONDARY CONTAINMENT CALCULATIONS (330.227)

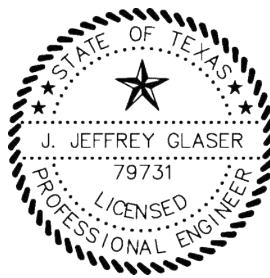
This Appendix presents spill prevention methods and the secondary containment for spilled waste from tanks and rainwater at the unloading, processing and waste storage tank areas shown in Figure 4-1. The areas are designed to control and contain spills and contaminated water from leaving the facility. Areas with tanks are designed to contain spilled waste equal to the capacity of the largest liquid storage vessel. Additionally, 8.81 inches of rain from the 25 year, 24 hour storm (NOAA, Atlas 14) is controlled by:

- preventing accumulation with a roof,
- providing full storage capacity at the area, or
- providing partial storage plus immediate drainage to a sump where it is automatically pumped to the sewer or dedicated tank storage.

The Phase 1 and 2 Buildings are enclosed and contain a roof. The Grit Drying Area will have a roof or cover. For the Waste Storage Area and Truck Unloading Area, a roof may or may not be built, and spill containment has been calculated for both options. Detailed calculations for secondary containment volumes are included as Tables in this Appendix.

Phase 1 Waste Storage Area

The design conditions assume that the largest 21,000 gallon waste storage tank leaks and loses all the liquid volume above the height of the released liquid contained inside the storage area. The other tank remains intact. The intact tank is elevated about a foot above the paved surface so some of the tank displaces spill volume since spilled liquid will be deeper than one foot. This volume is subtracted in the storage calculations. The storage tanks are enclosed with a concrete wall which is 20 inches tall if a roof is provided that prevents rainfall accumulation, or 31 inches tall if there is no roof. This provides sufficient capacity to contain both the spilled volume of the largest tank and water from the 25 year, 24 hour storm.



8/7/2023

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Phase 1 Processing Building

The design conditions for the Phase 1 Processing Building assumes that a 4,847 gallon processing unit leaks and loses all of the liquid. Any other processing unit remains intact, and since it is elevated above the slab, its presence does not reduce the storage capacity within the containment. Five and six foot diameter tanks may be present which displace storage volume, and this is subtracted in the calculations. Processing is performed on a concrete slab with 5 inch (0.417 ft) curbs and is connected to a 1,000 gallon sump on the south end. This provides sufficient capacity to contain a spill.

Phase 1 Truck Unloading Area

The Unloading Area is composed of a truck unloading area and is designed to contain a spill from a 5,000 gallon truck. A low 0.7 ft (8.5 inch) rollover curb is provided on the north and south sides of the unloading area and short walls on the other sides. This area will be roofed.

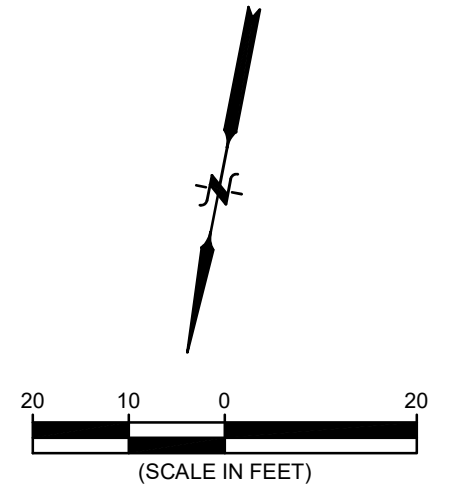
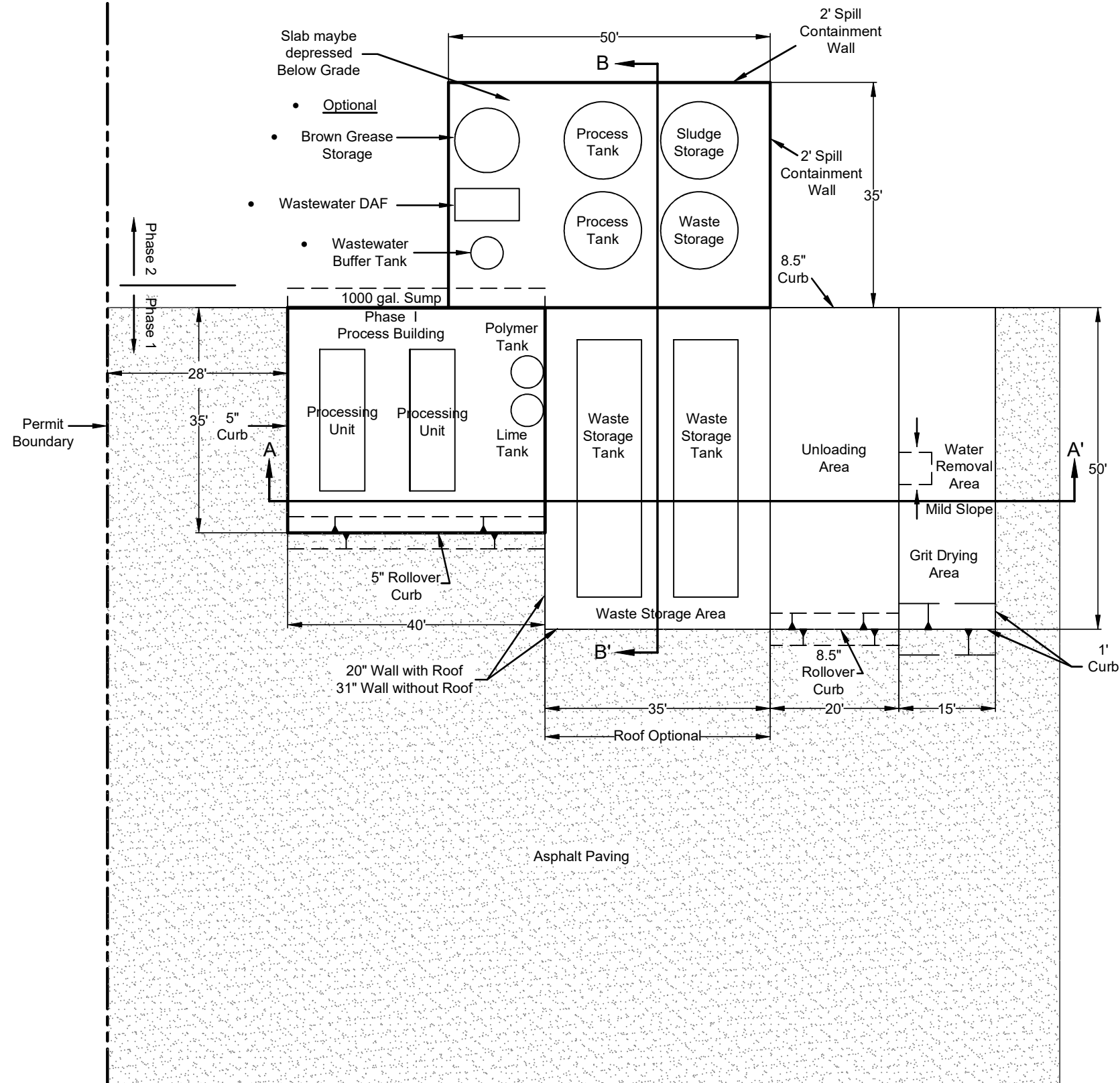
Phase 2 Processing Building

The Phase 2 Processing Building will contain 4, 20,000 gallon tanks and a smaller 8 ft diameter tank. It is assumed that one 20,000 gallon tank leaks and loses all the liquid volume above the height of the released liquid contained inside the storage area. Other equipment in the building is assumed to be elevated above the spill height. The storage volume displaced by the intact tanks has been subtracted in the calculations. A two foot high concrete wall provides sufficient storage capacity for spill containment.

Phase 2 Grit Drying Area

The Grit Drying Area is a slab surrounded by a 1 ft high curb to contain the moist grit. This area will have a roof or a cover to divert rainfall from mixing with the grit. There will always be at least 2 inches of freeboard above free liquids in the grit area to prevent overtopping and spillage.

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LEGEND
----- Permit Boundary



8/7/2023

J. Jeffrey Glaser

FOR PERMITTING ONLY

2	8/07/23	ADDED UNLOADING AREA ROOF		
1	7/12/23	PER TECHNICAL NOD2		
REV.	DATE	DESCRIPTION	DR BY	APP BY
 INTERA 9600 GREAT HILLS TRAIL, SUITE 300W AUSTIN, TEXAS 78759 USA 512-425-2000 TEXAS REGISTERED ENGINEERING FIRM F-4722				
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SHEET TITLE: OPERATIONS AREA DETAIL				
DES BY			SCALE: SEE BAR SCALE	
DR BY	SDB		PROJ NO. STXWWW.M001.MSW	
CHK BY	JBD		DWG NO. STXWWW.M001.MSW015R2	
APP BY	JJG		SHEET 1 OF 1 SHEETS	
DATE ISSUED: 12-12-2022			FIGURE NO.	
PURPOSE: PERMIT APPLICATION			4-1	

Unloading Area -- Secondary Containment Calculations

A. Minimum required containment

This area will be covered with a roof so the minimum required containment is equal to the capacity of the largest tank (5,000 gallon tanker truck).

Containment Area, A = 1,000 ft² (20 x 50 ft)

Volume of largest tank = 5,000 gallons (tanker truck)

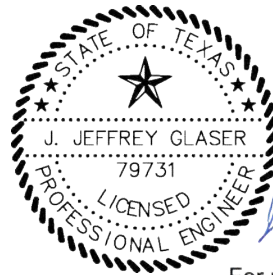
Total Req'd Storage Volume with Roof = 5,000 gallons

B. Volume Provided without any Tanks in the Area

Secondary Containment Volume

Area	980 ft ²	(20 x 50 ft less 2 ft rollover ramp)
Storage depth h =	0.7 ft	
Volume Provided =	686 ft ³	
	5,131 gallons	

Excess Containment Volume **With Roof** **131 gallons**



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J. Jeffrey Glaser
For permitting only