

TECHNICAL REVIEW: MUNICIPAL SOLID WASTE LANDFILLS (MSWLF) and TRANSFER STATIONS (TS)

SP Permit No.:	93892	Company Name:	Fort Bend Regional Landfill, L.P.	APD Reviewer:	Benjamin Sakmar
SP Project No.:	393544	Site/Area Name:	Fort Bend Regional Landfill / Fort Bend Regional Landfill	SP Rule:	Chapter §330, Subchapter U / MSW

GENERAL INFORMATION			
Regulated Entity No.:	RN102803913	Project Type:	Amend
Customer Reference No.:	CN602656373	Date Received by TCEQ:	May 22, 2025
City/County:	Needville, Fort Bend	Date Received by Reviewer:	May 23, 2025
Physical Location:	14115 Davis Estate Rd		

CONTACT INFORMATION					
Responsible Official/ Primary Contact Name and Title:	Matt Cartier Region Vice President	Phone No.:	(832) 919-5132	Email:	MCARTIER@GFLENV.COM
Technical Contact/ Consultant Name and Title:	Steven Howard Regional Environmental Compliance Manager	Phone No.:	(281) 409-9204	Email:	STEVENHOWARD@GFL ENV.COM

DESCRIBE OVERALL PROCESS AT THE SITE
The Fort Bend Regional landfill site is a Type I Category 3 landfill and has submitted an application for a Subchapter U (30 TAC § 330, Subchapter U) Municipal Solid Waste Landfill.
This site is authorized under Municipal Solid Waste Landfill Standard Chapter §330, <i>Subchapter U</i> Permit No. 93892, as well as General Operating Permit (GOP) 517 No. O-2696 and MSW Landfills Authorization No. 2270.
The revision application is being processed to update the liquid waste solidification calculations with an increased value for the estimated annual volume of waste solidified.

COMPLIANCE HISTORY EVALUATION	
A compliance history report was reviewed on:	June 11, 2025
Site rating & classification:	0.00 / High
Company rating & classification:	0.00 / High
If site was rated unsatisfactory, what action(s) occurred as a result:	NA

COMPLETE EACH SECTION AS APPROPRIATE FOR THE AIR AUTHORIZATIONS AFFECTED BY THIS REVIEW			
GENERAL INFORMATION	YES	NO	COMMENTS
Is confidential information included in the application?		X	
MSW permit number			MSW 2270
What air authorization is currently being used for the site? Old Standard Exemption (registered or unregistered) PBR (registered or unregistered) Standard Permit New Source Review (NSR) permit under §116.110 Title V GOP Title V SOP			Standard Permit No. 93892 Title V O-2696
Are there any Permits by Rule, Standard Exemptions, Standard Permits, NSR permits, or Title V permits to be voided in the IMS database as a result of this Standard Permit Certification?		X	
Are all related projects included in this review?	X		
Is this registration for a MSWLF (landfill) only?	X		
Is this registration for a TS (transfer station) MSW type V only?		X	

FEDERAL RULE COMPLIANCE CHECK	YES	NO	COMMENTS
Check the applicable federal rule. Note: The following three questions must be answered first			* 40 CFR 62.000
MSWLF or TS capacity			> 2.5 MMg
What are the uncontrolled NMOC emissions from the site?			> 50 Mg/yr
Has the landfill been constructed, reconstructed, or modified after May 30, 1991?	X		
Is the LF design capacity > 2.5 MMg or Mm³?	X		

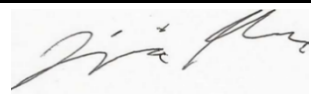
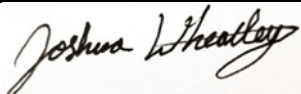
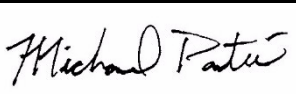
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Is the MSWLF site an "existing" landfill subject to § 113, Subchapter D (constructed, modified or reconstructed before May 30, 1991)?	X		
Is the 40 CFR NSPS § 60, Subpart XXX checklist included in the application?		X	
Has Tier 2 testing been performed at the site?	X		
Does the landfill have a gas collection and control system (GCCS)?	X		*Required by NSPS
Has the TCEQ approved the design for the GCCS?	X		Approved June 16, 2021

STANDARD PERMIT 30 TAC § 330.981-995 CHECKLIST	YES	NO	COMMENTS
Is the Certification filled out correctly and signed?	X		
Is the Standard Permit Checklist filled out and attached to the Certification?	X		
Is the site a Type IV or Type IV-AE MSWLF?		X	
Is the site located in a non-attainment county?	X		Fort Bend County
Is PSD or Nonattainment netting required?		X	
For Sites Located in: HGB is either VOC or NOx site emissions equal to or greater than 25 tpy?	X		
Is the proposed project emission increase for either VOC or NOx equal to or greater than 5 tpy?		X	
(PSD Review) Are existing site-wide NOx or CO emissions ≥ 250 tons per year?		X	
Are the proposed project emission increases for either NOx or CO ≥ 250 tpy?		X	
Is this checklist for a stand alone transfer station (Type V) not located at a landfill?		X	
Does the site have any combustion devices (e.g. flares, stationary engines or turbines, boilers, or heaters)?	X		Flare

ESTIMATED EMISSIONS																
EPN / Emission Source	VOC		HAPs		NOx		CO		SO2		PM		PM₁₀		PM_{2.5}	
	lbs/hr	tpy	lb/hr	tpy	lb/hr	tpy	lbs/hr	tpy	lbs/hr	tpy	lbs/hr	tpy	lbs/hr	tpy	lbs/hr	tpy
New Emissions																
SOLIDIFY/Liquid Waste Solidification	0.49	0.84	0.33	0.56	-	-	-	-	-	-	0.87	1.49	0.41	0.70	0.06	0.11
Existing Emissions																
LANDFILL/ Landfill Gas Emissions (Fugitive)	8.36	36.61	2.67	11.71	-	-	-	-	-	-	136.61	142.07	32.13	33.42	6.15	6.39
LFGFLARE/Open Flare	0.14	0.30	1.20	2.63	11.35	24.87	51.76	113.36	245.49	107.46	2.80	6.13	2.80	6.13	2.80	6.13
SUMMARY OF TANKS	0.38	1.65	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LEACHPOND / Leachate Evaporation Pond	<0.01	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL EMISSIONS (TPY):	--	39.41	--	14.90	--	24.87	--	113.36	--	107.46	--	149.69	--	40.25	--	12.63
MAXIMUM OPERATING SCHEDULE: Hours/Year																8,760

	TECHNICAL REVIEWER	PEER REVIEWER	FINAL REVIEWER
SIGNATURE:			
PRINTED NAME:	Benjamin Sakmar, Permit Reviewer	Joshua Wheatley, Team Lead	Michael Partee, Manager
DATE:	June 16, 2025	June 16, 2025	June 16, 2025