

Standardized Authorizations: Permits by Rule and Standard Permits

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Air Permits Division

Environmental Trade Fair 2023

Overview

- Types of NSR Authorizations
- 106.261/106.262 Case Study
- Submitting Applications
- ePermitting

Types of NSR Authorizations

De Minimis

Permit by Rule

Standard Permit

Case-by-Case

De Minimis

- Negligible Sources
- Industry/ Activity Specific
- Typically, no paperwork
- Keep Records

Permit by Rule

Standard Permit

Case-by-Case

Permit by Rule

De Minimis

- Must meet all conditions
- Register or claim

Standard Permit

Case-by-Case

Standard Permit

De Minimis

Permit by Rule

- Industry / facility specific
- Renew every 10 years

Case-by-Case

Case-by-Case

De Minimis

Permit by Rule

Standard Permit

- Special conditions and emission rates
- Renew every 10 years
- Public notice
- Not specific to an industry

Chapter 106 Subchapters

- Subchapter E: Aggregate and Pavement
- Subchapter K: General
- Subchapter O: Oil and Gas
- Subchapter S and T: Surface Coating and Surface Preparation
- Subchapter U: Tanks, Storage, and Loading

Subchapter E: Aggregate and Pavement

• 30 TAC § 106.141 - Batch Mixers

• 30 TAC § 106.144 - Bulk Mineral Handling

 30 TAC § 106.146 - Soil Stabilization Plants

Subchapter K: General

• 30 TAC § 106.261 – Facilities (Emission Limitations)

• 30 TAC § 106.262 – Facilities (Emission & Distance Limitations)

• 30 TAC § 106.264 – Replacement of facilities

Subchapter O: Oil and Gas

 30 TAC § 106.352 – Oil and Gas Handling and Production Facilities

• 30 TAC § 106.359 – Planned Maintenance, Startup, and Shutdown (MSS) at Oil and Gas Handling and Production Facilities

Subchapters S and T

• 30 TAC § 106.433 – Surface Coating

 30 TAC § 106.436 – Autobody Refinishing Facility

• 30 TAC § 106.452 – Dry Abrasive Cleaning

Subchapter U

• 30 TAC § 106.472 — Organic and Inorganic Loading and Unloading

 30 TAC § 106.473 – Organic Loading and Unloading

• 30 TAC § 106.478 — Storage Tank and Change of Service

Permit By Rule 30 TAC Chapter 106







Emission Thresholds

§106.4 – General Thresholds

- 250 tpy CO & NO_x
- 25 tpy VOC, SO₂, & PM
- 15 tpy PM₁₀
- 10 tpy PM_{2.5}

§106.261 – PBR Specific Thresholds

- 6 lb/hr
- 10 tpy
- 1 lb/hr
- 4.38 tpy

Conditions

All conditions of the rule must be met, no exceptions.

All facilities on a site must be authorized appropriately.



 Maintain records on site to show compliance with rules and regulations



Registering

- Submit documentation to TCEQ with fee
- Emission limits must stay within §106.4 or PBRspecific limits

Certifying



- §106.6(a): Federally enforceable emission rates
- §106.6(b): What the company represents, they are bound to
- §106.6(c): Changes of representation, that result in change to emissions, require a revised certification

Reasons to Certify

Emission limitations for Title V applicability

Federal and State applicability

Control/destruction efficiency claims

Limiting operating hours

Standard Permits

- General requirements are listed in 30 TAC §116.610-615
- Registration Requirements under §116.615(2):
 - New facilities Submit registration prior to construction
 - Modifications Submit notification no later than 30 days after the change
- 10-year renewal cycle

Standard Permits Reviewed by Rule Registrations

- Oil and Gas
- Municipal Solid Waste
- Pollution Control Projects
- Animal Carcass Incinerator
- Boilers
- Electric Generating Units
- Marine Loading Operations

Standard Permits Reviewed by Mechanical / Coatings

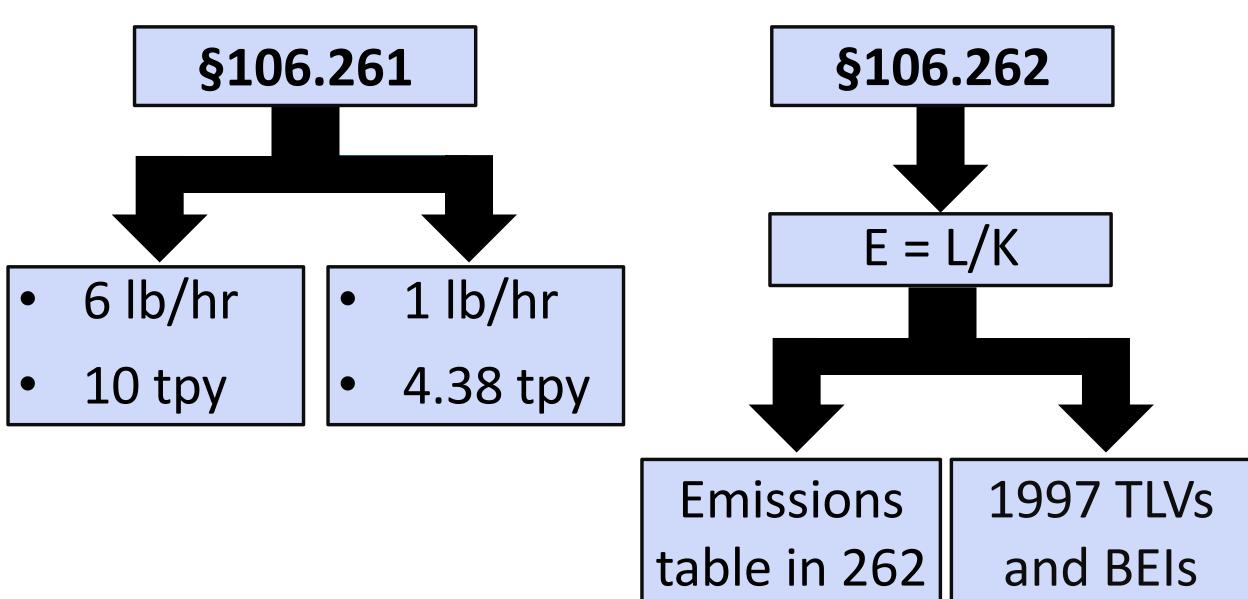
- Concrete Batch Plants
- Rock and Concrete Crushers
- Hot Mix Asphalt Plants
- Feedmills, Portable Augers, and Hay Grinders
- Temporary and Permanent Polyphosphate Blenders

Claimed Standard Permits

- Anhydrous Ammonia Storage and Distribution Operations
- Cotton Gin Facilities and Cotton Burr Tub Grinders
- Grain Elevator/Grain Handling Operations and Portable Grain Augers
- Dry Bulk Fertilizer Handling Operations
- Peanut-Handling Operations
- Feedmills, Portable Augers, and Hay Grinders [Other than (5)(A)]

Permits by Rule §106.261 and §106.262

Facilities Limits



§106.261

Annual notification:

Prepare it all together

5 tpy threshold

Account for upstream/downstream

Represent associated NSR permit(s)

Permits by Rule §106.261 and §106.262 Workbook

•	Bula Basulation Coation												
2	Rule Regulation Section												
3	Air Permits Division												
4	Texas Commission on Environmental Quality												
5	Form 20895, Version 4.0												
	This workbook is a tool provided for projects being authorized under Permits by Rule (PBR) 30 TAC §§ 106.261 and/or												
6	106.262.												
7	Instructions:												
	This workbook 20895 or 20896 (in Excel format) is <u>required</u> for all PBR applications submitted under these rules. Please answer the questions and fill in emissions data in the input / yellow cells.												
	Please check our website to be sure you use the latest version of the workbook for all the features and accurate information. Also, please complete the workbook in the order of the worksheets.												
	Under Texas Government Code 559.003(a), individuals are entitled to receive and review any information collected by TCEQ about the individual by means of a form that that is completed and filed with TCEQ in a paper or electronic format on the TCEQ website consistent with Texas Government Code sec., 559.003(b). The individual is also entitled to have TCEQ correct information about the individual that is incorrect.												
8	If you have questions on how to fill out this form or about the Air Permits Division, please contact us at 512-239-1250.												
9													
10	For rule language of §§106.261 and 106.262, please visit the Texas Secretary of State (SOS) website:												
11	https://texreg.sos.state.tx.us/public/readtac\$ext.ViewTAC?tac_view=5&ti=30&pt=1&ch=106&sch=K&rl=Y												
12													
4	Cover General Information §106.261 Checklist §106.262 Checklist Rule Summary Emission Summary List-261 Chemicals List-262 Chemicals												

Permits by Rule General Facilities Workbook - Single Project

1	1 General Information												
	This sheet provides general rule information for both General Facility PBRs.												
	nstructions:												
	Please fill out all input / yellow cells unless marked optional. Attach the federal applicability review to the application for each project.												
	An optional supplemental information field has been provided at the end of this worksheet. This field should be used for demonstration of rule or policy												
	compliance.												
3													
4	. Project Information												
_	Requested Information	Response											
_	Company Name												
	Site Description												
7	3 IB : (B : :												
	General Project Description												
8	as be as ideal and that I am as be writting an authorized TCCO worldhook and		-										
	acknowledge that I am submitting an authorized TCEQ workbook and												
	any necessary attachments. Except for inputting the requested data and adjusting row height, I have not changed the TCEQ application workbook												
	n any way, including but not limited to changing formulas, formatting,												
	content, or protections.												
•	Please indicate which rule, or both, are applicable to this project:		 										
_	Does this project authorize a new facility, modify a New Source Review		•										
	NSR) Case-by-Case existing permitted facility, or both?												
	s this site only authorized under Permits by Rule?												
	s this located at a federal NSR major source (PSD or NNSR)?												
	s there an associated NSR Case-by-Case permit?												
15	Please enter the associated NSR permit(s):												
16													
17	I. General Rule Requirements for §106.261 and/or §106.262												
4	Cover General Information §106.261 Checklist §106.262	Checklist Rule Summary Emission Summary List-261 Chemicals Li	st-262 Chemicals List-19!										

1	30 TAC §106.261 Checklist											
	This sheet provides compliance de	monstration and e	mission threshold:	s for 30 TAC §106	.261.							
	In a toward and a second a second and a second a second and a second a second and a											
	Instructions:											
	Please fill out all input / yellow cells unless marked optional. Also, please note that emissions must be fully speciated and cannot have general categories listed (e.g. '											
2												
3												
4	I. General Information		2215									
5	Are emission increases being author	orized under §106.	.261 five tons per y	year or greater?								
6												
/	Is this project an annual notification	?										
8	U. 0400 004(-\/0\											
9	II. §106.261(a)(2)											
	Are there new or increased emission	ons listed under §1	06.261(a)(2), inclu	uding fugitives, les	s than or equal to 6	6.0 pounds per ho	our (lb/hr) and ten	Yes				
10	tons per year?											
1	\											
11	Please select chemical and ente			I	I		1					
11		Criteria	CAS No.	Emission		Hourly		Meets				
11		Criteria Pollutant	CAS No. (optional input)	Threshold	Threshold (tpy)	Emissions	Annual Emissions (tpy)	Meets Threshold?				
11		Criteria	CAS No. (optional input)		Threshold (tpy)	_						
		Criteria Pollutant	CAS No. (optional input)	Threshold	Threshold (tpy)	Emissions						
12		Criteria Pollutant	CAS No. (optional input)	Threshold (lb/hr)	Threshold (tpy)	Emissions						
12 13		Criteria Pollutant	CAS No. (optional input)	Threshold (lb/hr) 6.00	Threshold (tpy) 10.00	Emissions						
12 13 14		Criteria Pollutant	CAS No. (optional input)	Threshold (lb/hr) 6.00 6.00	Threshold (tpy) 10.00 10.00	Emissions						
12 13 14 15		Criteria Pollutant	CAS No. (optional input)	Threshold (lb/hr) 6.00 6.00 6.00 6.00 6.00	Threshold (tpy) 10.00 10.00 10.00	Emissions						
12 13 14 15 16		Criteria Pollutant	CAS No. (optional input)	Threshold (lb/hr) 6.00 6.00 6.00 6.00 6.00 6.00	Threshold (tpy) 10.00 10.00 10.00 10.00	Emissions						
12 13 14 15 16 17		Criteria Pollutant	CAS No. (optional input)	Threshold (lb/hr) 6.00 6.00 6.00 6.00 6.00	Threshold (tpy) 10.00 10.00 10.00 10.00 10.00	Emissions						
12 13 14 15 16 17 18		Criteria Pollutant	CAS No. (optional input)	Threshold (lb/hr) 6.00 6.00 6.00 6.00 6.00 6.00	Threshold (tpy) 10.00 10.00 10.00 10.00 10.00 10.00	Emissions						
12 13 14 15 16 17 18 19		Criteria Pollutant	CAS No. (optional input)	Threshold (lb/hr) 6.00 6.00 6.00 6.00 6.00 6.00 6.00 6.0	Threshold (tpy) 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00	Emissions						
12 13 14 15 16 17 18 19 20		Criteria Pollutant Designation	CAS No. (optional input)	Threshold (lb/hr) 6.00 6.00 6.00 6.00 6.00 6.00 6.00 6.0	Threshold (tpy) 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00	Emissions						

В List-261 chemicals This reference sheet provides the list of chemicals detailed in §106.261(a)(2). Instructions: Search or use the filter to review applicable chemicals. Chemical Acetylene Argon Butane Crude Oil Refinery Petroleum Fractions (except for pyrolysis naphthas and pyrolysis gasoline) 10 containing less than ten volume percent benzene Carbon Monoxide 12 Cyclohexane 13 Cyclohexene 14 Cyclopentane Ethyl Acetate 16 Ethanol Ethyl Ether 18 Ethylene 19 Fluorocarbons Numbers 11, 12, 13, 14, 21, 22, 23, 113, 114, 115, and 116 20 Halium General Information §106.261 Checklist §106,262 Checklist Rule Summary **Emission Summary** List-261 Chemicals Cover

List-262 Chemicals

Α	В	С	D	Е	F	G	Н	1
		;	30 TAC §106	.262 Check	list			
This sheet provides compliance de	monstration and e	mission threshold:	s for 30 TAC §106	5.262.				
Instructions:								
Please fill out all input / yellow cells	-	-	K values, please	submit addition	al copies of this wor	ksheet, or submit	the multiple project	ts version. For
same chemical, the worst-case dis	tance shall be use	ed.						
I. §106.262(a)(2)								
New or increased emissions, include	ding fugitives, of ch	nemicals shall not	be emitted in a qu	antity greater tha	an five tons per year	nor in a quantity	greater than E as o	letermined usin
the equation E = L/K.	0 0 ,			, ,		. ,		
Are the chemicals being registered	included in Table :	262 of 30 TAC §10	6.262(a)(2)?					
Distance to nearest off-plant recept	tor (feet):							
K value:								
Chemicals listed in the 1997 Edition	of the ACGIH TL	V and BEI Guide a	are available in thi	is worksheet beg	inning on Row 36.			•
Please select applicable chemica	als from dropdow							
Chemical	Criteria	CAS No.	L Value (mg/m³)	E, maximum	Annual	Actual Hourly	Actual Annual	Meets
	Pollutant	(optional input)	, , ,	Hourly	Emission	Increases	Increase (tpy)	Threshold?
	Designation			Emission	Threshold (tpy)	(lb/hr)		
				Threshold				
				(lb/hr)				
			0	0	0			
			0	0	0			
			0	0	0			
			0	0	0			
			0	0	0			
			0	0	0			
			0	0	0			
			0	0	0			
			0	0	0			
Cover General Inform	nation §106.261	Checklist §106.2	62 Checklist Ru	ule Summary	Emission Summary	List-261 Chemical	s List-262 Chem	icals List-19!

This reference sheet provides the list of chemicals detailed in §106.262(a)(2).											
Instructions:											
Search or use the filter to review applicable chemicals.											
Chemical											
Acetone	590										
Acetaldehyde	9										
Acetone Cyanohydrin	4										
Acetonitrile	34										
Acetylene	2662										
N-Amyl Acetate	2.7										
Sec-Amyl Acetate	1.1										
Benzene	3										
Beryllium and Compounds	0.0005										
Boron Trifluoride, as HF	0.5										
Butyl Alcohol, -	76										
Butyl Acrylate	19										
Butyl Chromate	0.01										
Butyl Glycidyl Ether	30										
Butyl Mercaptan	0.3										
§106.261 Checklist §106.262 Checklist Rule Summary	Emission Summary List-261 Chemicals List-262	Che									

List-1997 ACGIH hemicals

1	List-1997 ACGIH										
	This reference sheet provides the list of chemicals detailed in										
2	§106.262(a)(2).										
	Instructions:										
3	Search or use the filter to review applicable chemicals.										
4											
	Substance	CAS No.									
5		▼									
6	Acetaldehyde	75-07-0									
7	Acetic acid	64-19-7									
8	Acetic anhydride	108-24-7									
9	Acetophenone	98-86-2									
10	Acetylene dichloride										
11	Acetylene tetrabromide	79-27-6									
12	Acetylsalicylic acid (Aspirin)	50-78-2									
13	Acrolein	107-02-8									
14	Acrylamide	79-06-1									
15	Acrylic acid	79-10-7									
16	Acrylonitrite	107-13-1									
17	Adipic acid	124-04-9									
18	Adiponitrile	111-69-3									
19	Aldrin	309-00-2									
~	§106.261 Checklist §106.262 Checklist Rule Summary E	mission Summary List-261 Cher	micals								

List-262 Chemicals

List-1997 ACGIH

4	Α	В	С	D	E	F G	Н	1						
1	Rule Summary													
2		he emissions sum	mary from chemic	als authorized unde	er §106.261 and/or §106.	262.								
^	Instructions:	rocenting a differen	at mathad to dama	notrata compliance	nlagga ingluda a nota n	out to the applicable o	homical and attach addit	ional chaota to	the appli					
	ii trie company is rep	resenting a dilierer	it method to demo	ristrate compliance	, piease include a note ni	ext to trie applicable t	chemical and attach addit	orial Sheets to	ше арріі					
5	§106.261(a)(2)					§106.262(a)	(2) Table 262							
	Chemical	Actual lb/hr	Actual tpy	Meets	Notes	Chemical	Actual lb/hr	Actual tpy	Meet					
6				Threshold?										
7														
8														
9														
10														
11														
12														
13														
14														
15														
16														
17														
18														
19														
20														
21														
22														
23														
24														
25														
26														
•	• §106.261	Checklist §106.2	262 Checklist Rul	e Summary Emis	sion Summary List-261	Chemicals List-262	Chemicals List-1997 AC	CGIH (+)						

4	Α	В	С	D	E	F	G	Н	1	J	K	L	M	N	
1			Emission Point Summary Table												
2	The emission point sum	mary table pro	ovided here	e is option	al.					_					
	Instructions:		-												
	Please fill out the Emiss	ion Point Sum	imary Tabl	le for the p	roject emis	sions, inclu	ding all en	nissions a	nd rules bei	ng registe	red. Additio	nal rows c	an be adde	d if needed	d.
4						_									
5	"Other" Criteria Pollut	ant (Optiona	I)												
6	EDN / Course Name	Dula(a)	VOC	VOC	NO	NO	00	00	60	60	DM	DM	DNA	DNA	
_	EPN / Source Name	Rule(s)	VOC (lb/hr)	VOC	NO _x	NO _x	CO (lb/hr)	CO (tpv)	SO ₂	SO ₂	PM (lb/hr)	PM (tpv)	PM ₁₀	PM ₁₀	
7	FUO / F - 20	0400 004	(ID/III)	(tpy)	(lb/hr)	(tpy)	(ID/III)	(tpy)	(lb/hr)	(tpy)	(ID/III)	(tpy)	(lb/hr)	(tpy)	
	ex. FUG / Fugitives	§106.261													\dashv
	ex. FUG / Fugitives	§106.262													\dashv
10															\dashv
11															\dashv
12															\dashv
13 14															\dashv
15															\dashv
16															\dashv
17															\dashv
18															\dashv
19															\dashv
20															\neg
21															\Box
22															\dashv
23															\neg
24															\Box
25															
26															
	The state of the s		.262 Checkl	ist Rule	Rule Summary Emission Summary			List-261	List-261 Chemicals List-262 Chemicals		List-1997 ACGIH				

§§106.261/262 Case Study

Chemical plant with an NSR permit

Adding 10 flanges to existing piping for maintenance

Emits Butane, Benzene, Emery, Din-butyl-ether, and Heptane

§§106.261/262 Case Study Order

§106.261(a)(2)

§106.262

§106.261(a)(3)

1	List-261 chemicals	
	This reference sheet provides the list of chemicals detailed in §106.261(a)(2).	
2		
	Instructions:	
3	Search or use the filter to review applicable chemicals.	
4		
5	Chemical	
6	Acetylene	
7	Argon	
8	Butane	
9	Crude Oil	
	Refinery Petroleum Fractions (except for pyrolysis naphthas and pyrolysis gasoline)	
10	containing less than ten volume percent benzene	
11	Carbon Monoxide	
12	Cyclohexane	
13	Cyclohexene	
14	Cyclopentane	
15	Ethyl Acetate	
16	Ethanol	
17	Ethyl Ether	
18	Ethylene	
40	EL	

	A	D	U	U	E	Г	U	П
7	Is this project an annual notification	1?						No
8								
9	II. §106.261(a)(2)							
	Are there new or increased emission	ons listed under §	106.261(a)(2), incl	uding fugitives,	less than or equal to	6.0 pounds per	hour (lb/hr) and ten	Yes
	tons per year?	_			•			
	Please select chemical and ente	er emission rates	:					
	Chemical	Criteria	CAS No.	Emission	Emission	Hourly	Annual	Meets
		Pollutant	(optional input)	Threshold	Threshold (tpy)	Emissions	Emissions (tpy)	Threshold?
40		Designation	((lb/hr)	(43)	(lb/hr)	(47)	
12	Dutono	▼			10.00	()		
_	Butane Butane			6.00	10.00			
14	Crude Oil	^		6.00	10.00			
15	Refinery Petroleum Fractions (except for py Carbon Monoxide			6.00	10.00			
16	Cyclohexane			6.00	10.00			
17	Cyclohexene			6.00	10.00			
18	Cyclopentane Ethyl Acetate	~		6.00	10.00			
19	ethyl Acetate			6.00	10.00			
20				6.00	10.00			
21				6.00	10.00			
22				6.00	10.00			
23				6.00	10.00			
24				6.00	10.00			
25				6.00	10.00			
26				6.00	10.00			
27				6.00	10.00			
28				6.00	10.00			
29				6.00	10.00			
30				6.00	10.00			
31				6.00	10.00			
32				6.00	10.00			
4	Cover General Inform	mation §106.26	Checklist §106.	262 Checklist		nission Summary	List-261 Chemicals	List-262 Chemicals

7	ls this project an annual notification	?						No
8								
9	II. §106.261(a)(2)							
	Are there new or increased emission	ons listed under §1	06.261(a)(2), incli	uding fugitives.	less than or equal to	6.0 pounds per l	nour (lb/hr) and ten	Yes
10	tons per year?							
11	Please select chemical and ente	r emission rates:						
	Chemical	Criteria	CAS No.	Emission	Emission	Hourly	Annual	Meets
		Pollutant	(optional input)	Threshold	Threshold (tpy)	Emissions	Emissions (tpy)	Threshold?
12		Designation		(lb/hr)		(lb/hr)		
_	Butane		▼	6.00	10.00	2.33	1.89	Yes
14	VOC			6.00	10.00			
15	PM Other			6.00	10.00			
16				6.00	10.00			
17				6.00	10.00			
18				6.00	10.00			
19				6.00	10.00			
20				6.00	10.00			
21				6.00	10.00			
22				6.00	10.00			
23				6.00	10.00			
24				6.00	10.00			
25				6.00	10.00			
26				6.00	10.00			
27				6.00	10.00			
28				6.00	10.00			
29				6.00	10.00			
30				6.00	10.00			
31				6.00	10.00			
32				6.00	10.00			
4	Cover General Inform	nation §106.261	Checklist §106.	262 Checklist	Rule Summary En	nission Summary	List-261 Chemicals	List-262 Chemica

1	List-262 ch											
	This reference sheet provides the list of chemi	2).										
2												
	Instructions:											
3	Search or use the filter to review applicable chemicals.											
4												
5	Chemical		▼	L mg/m ³								
6	Acetone			590								
7	Acetaldehyde			9								
8	Acetone Cyanohydrin			4								
9	Acetonitrile			34								
10	Acetylene			2662								
11	N-Amyl Acetate			2.7								
12	-			1.1								
				3								
	Beryllium and Compounds			0.0005								
	Boron Trifluoride, as HF			0.5								
	Butyl Alcohol, -			76								
17	Butyl Acrylate		19									
18	Butyl Chromate		0.01									
19	Butyl Glycidyl Ether			30								
20	Butyl Mercaptan			0.3								
<u>^</u>	Cover General Information §106.261 Checklist	§106.262 Checklist	Rule Summar	Emission Summar	ry List-261 Ch							

List-262 Chem

1	30 TAC §106.262 Checklist											
-	This sheet provides compliance dem	onstration and em	ission thresholds fo	or 30 TAC §106.26	2.							
	nstructions:											
	Please fill out all input / yellow cells u	nless marked optic	onal. For multiple K	values, please sub	mit additional cop	ies of this workshe	et, or submit the mu	ıltiple projects vers	ion. For the same			
2	chemical, the worst-case distance shall be used.											
3												
4 l	I. §106.262(a)(2)											
	New or increased emissions, includi	ng fugitives, of che	micals shall not be	emitted in a quanti	ty greater than five	tons per year nor i	n a quantity greater	than E as determi	ned using the			
5	equation E = L/K.											
6	Are the chemicals being registered i	ncluded in Table 2	62 of 30 TAC §106	6.262(a)(2)?					Yes			
7	Distance to nearest off-plant recepto	r (feet):							300			
8	K value:								139			
9	Chemicals listed in the 1997 Edition	n of the ACGIH TL	V and BEI Guide a	are available in this	s worksheet begini	ning on Row 36.						
10	Please select applicable chemica	s from dropdow										
	Chemical	Criteria	CAS No.	L Value (mg/m³)	E, maximum	Annual	Actual Hourly	Actual Annual	Meets			
		Pollutant	(optional input)		Hourly	Emission	Increases (lb/hr)	Increase (tpy)	Threshold?			
		Designation			Emission	Threshold (tpy)						
					Threshold							
11					(lb/hr)							
12				0	0	0						
13				0	0	0						
14				0	0	0						
15				0	0	0						
16				0	0	0						
17				0	0	0						
4	Cover General Information	§106.261 Checkl	ist §106.262 Chec	klist Rule Summar	y Emission Summ	ary List-261 Chem	nicals List-262 Che	micals List-19!	+ : 1			
	Cover General Information	§106.261 Check	ist §106.262 Check	0 0 Rule Summar	0 y Emission Summ	0 0 List-261 Chem	nicals List-262 Che	micals	List-19!			

1	30 TAC §106.262 Checklist												
	This sheet provides compliance den	nons	tration and em	ission thresholds fo	or 30	TAC §106.26	32.						
	Instructions:												
		nloc	s marked entic	anal Formultiplo K	value	se place cub	mit	additional coni	oc of	thic workeho	ot or c	submit the mi	ultinl
	Please fill out all input / yellow cells u chemical, the worst-case distance sl		•	mai. Foi multiple N	value	ss, please sub	ли	additional copi	es 01	ulis workshe	et, or s	submit the mit	ultipi
	chemical, the worst-case distance si	iali L	e useu.										
3	1 0400 0004 1/01												
	I. §106.262(a)(2)												
	New or increased emissions, includi	ng fu	gitives, of che	micals shall not be	emitt	ed in a quanti	ity g	reater than five	tons p	oer year nor i	n a qu	antity greate	r tha
5	equation E = L/K.												
6	Are the chemicals being registered included in Table 262 of 30 TAC §106.262(a)(2)?												
7	Distance to nearest off-plant receptor (feet):												
8	K value:												
9	Chemicals listed in the 1997 Edition	n of	the ACGIH TL	V and BEI Guide a	are av	ailable in this	s wo	rksheet beginn	ning o	n Row 36.			
10	Please select applicable chemica	ls fr	om dropdowi	n and enter emiss	sion r	rates:							
	Chemical	Crit	eria	CAS No.	L Va	lue (mg/m³)	Ε, ι	maximum	Ann	ual	Actu	al Hourly	Ac
		Pollutant		(optional input)		(urly	Emis	sion	Incre	ases (lb/hr)	Inc
		Des	ignation	,			l .	nission	Thre	shold (tpy)		` ′	
							Th	reshold		(43)			
11							(lb	/hr)					
12		-			0		0	,	0				
	pnitrile				0		0		0				
Acety	rlene nyl Acetate	, ,			0		0		0				
	nyi Acetate Amyl Acetate				0		0		0				+
Benze	ene				0		_		0				+-
	lium and Compounds n Trifluoride, as HF				0		0		0				
	Alcohol, -	~			U		0		0				
4	Cover General Information	n	§106.261 Checkl	§106.262 Chec	klist	Rule Summar	у	Emission Summa	ary	List-261 Chem	icals	List-262 Che	mica

30 TAC §106.262 Checklist

300

139

List-262 Chemicals

This sheet provides compliance demonstration and emission thresholds for 30 TAC §106.262.

Instructions⁻

Please fill out all input / yellow cells unless marked optional. For multiple K values, please submit additional copies of this worksheet, or submit the multiple projects vers same chemical, the worst-case distance shall be used.

I. §106.262(a)(2)

New or increased emissions, including fugitives, of chemicals shall not be emitted in a quantity greater than five tons per year nor in a quantity greater than E as determined as the contraction of the c the equation E = L/K. Yes Are the chemicals being registered included in Table 262 of 30 TAC §106.262(a)(2)?

Distance to nearest off-plant receptor (feet):

K value:

Chemicals listed in the 1997 Edition of the ACGIH TLV and BEI Guide are available in this worksheet beginning on Row 36.

§106.261 Checklist

Please select applicable chemicals from drondown and enter emission rates:

Please select applicable chellic	ais iroili dropdow	m and enter enn:	ssion rates.					
Chemical	Criteria	CAS No.	L Value (mg/m ³)	E, maximum	Annual	Actual Hourly	Actual Annual	Meet
	Pollutant	(optional input)			Emission	Increases	Increase (tpy)	Thre
	Designation			Emission	Threshold (tpy)	(lb/hr)		
				Threshold				
				(lb/hr)				
Benzene	VOC	~	3	0.02	0.09	0.02	3.00E-03	Yes
VOC			0	0	0			
PM			_					

Rule Summary

Emission Summary

List-261 Chemicals

§106.262 Checklist

General Information

Other

Cover

232	Dipropylene glycol methyl ether	34590-94-8
233	Dipropyl ketone	123-19-3
234	Diquat - Inhalable	2764-72-9
235	Diquat - Respirable	2764-72-9
236	Di-sec-octyl phthalate	117-81-7
237	Disulfiram	97-77-81
238	Disulfoton	298-04-4
239	2,6-Di-tert-butyl-p-cresol	128-37-0
240	Diuron	330-54-1
241	Divinyl benzene	1321-74-0
242	Emery	1302-74-5
243	Endosulfan	115-29-7
244	Endrin	72-20-8
245	Enflurane	13838-18-9
246	Enzymes	
247	Epichlorohydrln	106-89-8
248	EPN	2104-64-5
249	2,3-Epoxy-1-propanol	
250	Ethanol	64-17-5
251	Ethanolamine	141-43-5
252	Ethion	563-12-2

34	Are the chemicals being registers	ed not listed in Ta	ble 262, but have	a published TLV	in the 1997 Editio	on of the ACGIH T	LV and BEI Guide	?	Yes
35	Please select applicable chemic	als from dropdo	wn and enter em	ission rates:					
36	Chemical	Criteria Pollutant Designation	CAS No.	L Value (mg/m³)	E, maximum Hourly Emission Threshold (lb/hr)	Annual Emission Threshold (tpy)	Actual Hourly Increases (lb/hr)	Actual Annual Increase (tpy)	Meets Thres
	Emery	▼	1302-74-5	10	0.07	0.32			
Emer Endo Endri Enflu Enzyr Epick EPN	u sulfan n rane	^							
43	poxq-1-proparior								
44									
45									
46									
47									
48									
49									
50									
51									
52									
53									
54									
55									
56									
	NOTE: The time weighted averag and BEIs (Biological Exposure In-								
	• §106.261 Checkli	§106.262	Checklist Ru	lle Summary	Emission Sumr	mary List-26	1 Chemicals	List-262 Chemi	cals

34	Are the chemicals being registered not listed in Table 262, but have a published TLV in the 1997 Edition of the ACGIH TLV and BEI Guide?									
35	Please select applicable chemicals from dropdown and enter emission rates:									
36		Criteria Pollutant Designation	CAS No.	L Value (mg/m³)	E, maximum Hourly Emission Threshold (lb/hr)	Annual Emission Threshold (tpy)	Actual Hourly Increases (lb/hr)			
	Emery		1302-74-5	10	0.07	0.32	0.02			
38										
39										
40										
41										
42										
43										
44										
45										
46										
47										
48										
49										
50										
51										
52										
53										
54	§106.261 Checklist §1	106.262 Checklist	Rule Summary	Emission Summary	List-261 Chemi	cals List-262 Ch	emicals List-199			

34	III. §106.261(a)(3)									
	Are there new or increased emission	ons, including fugiti	ives, less than or e	equal to 1.0 lb/hr of	f any chemical hav	ing a limit value (l	_) greater than 20	0 mil		
	cubic meter (mg/m3) as listed and	referenced in Table	e 262 of 30 TAC §	106.262 relating to	o Facilities (Emiss	ion and Distance	Limitations)?			
35					•					
36	Are there new or increased emissi	ons, including fugiti	ives, less than or e	equal to 1.0 lb/hr of	f any chemical not	listed or reference	ed in Table 262?			
	Please enter the chemical name, L	value (for chemic	als listed in table 2	62), and emission	rates:					
37	If there is no L value available for the chemical, then leave the L value blank.									
	Chemical	Criteria	L Value	CAS No.	Emission	Emission	Hourly	An		
		Pollutant	(mg/m ³)	(optional input)	Threshold	Threshold (tpy)	Emissions	Em		
38		Designation			(lb/hr)		(lb/hr)			
39	Di-n-butyl-ether	VOC			1.00	4.38	0.80	1.3		
40										
41										
42										
43										
44										
45										
46										
47										
48								_		
49 50										
51								-		
52										
53										
54										
55										
•	§106.261 Checklist	106.262 Checklist	Rule Summary	Emission Summary	List-261 Chemi	cals List-262 Ch	nemicals List-19	997 A		

§106.261(a)(3) Rule Language L Value

(3) ...emissions, including fugitives, shall not exceed 1.0 lb/hr of any chemical having a limit value (L) greater than 200 milligrams per cubic meter...

34	III. §106.261(a)(3)								
	Are there new or increased emission	ons, including fugit	ives, less than or e	equal to 1.0 lb/hr o	f any chemical hav	ing a limit value (l) greater than 200	milligrams per	
	cubic meter (mg/m3) as listed and	referenced in Tabl	e 262 of 30 TAC §	106.262 relating to	o Facilities (Emiss	ion and Distance	Limitations)?		
35					`		•		
36	Are there new or increased emission	ons, including fugit	ives, less than or e	equal to 1.0 lb/hr o	f any chemical not	listed or reference	ed in Table 262?		Ye
	Please enter the chemical name, L	value (for chemic	als listed in table 2	62), and emission	rates:				
37	If there is no L value available for th	e chemical, then le	eave the L value bl	ank.					
	Chemical	Criteria	L Value	CAS No.	Emission	Emission	Hourly	Annual	Me
		Pollutant	(mg/m ³)	(optional input)	Threshold	Threshold (tpy)	Emissions	Emissions (tpy)	Th
38		Designation	(,		(lb/hr)		(lb/hr)		
39	Di-n-butyl-ether	VOC			1.00	4.38	0.80	1.36	Ye
40	Heptane	VOC			1.00	4.38	0.35	1.53	Ye
41									
42									
43									
44									
45									
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52									
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55									
56									
57									
58									
	9106.261 Checklist	106.262 Checklist	Rule Summary	Emission Summary	List-261 Chemi	cals List-262 Ch	emicals List-199	97 ACGIH (+)

The Totals Must Match

§§106.261/262 Table:

VOC= 3.52 lb/hr and 4.79 tpy

Emission Summary Table:

VOC = 3.52 lb/hr and 4.79 tpy

Permitting Approach

Gather Information

Evaluate Authorizations

Emission Data

Identify
Other
Applicable
Rules

- Site Location
- Proposed Process
- De Minimis
- Permit by Rule
- Standard Permit

- Usage Rates
- AP-42
- CalculationSpreadsheet

- State
- Federal

The Application Package

- Site and customer information
- Process and project description
- Process flow diagram
- Rule compliance demonstration





Application Acceptance Criteria

- Effective September 1, 2022, the TCEQ may not accept Permit by Rule registrations that do not include a Table 1(a) or equivalent emission summary table, emission calculations, or a process/project description.
- Beginning September 1, 2023, TCEQ may not accept certain Standard Permit applications if the above listed documents are not included.
- If a registration is not accepted, the company will be notified and the registration can be submitted within six months at no additional cost.

Registration Fees

- Permits by Rule
- Standard Permits
- Case-by-Case Permits
- Expedited



Streamlining

- STEERS (ePermitting)
- Expedited
- TCEQ Calculation Spreadsheets
 - §106.261/§106.262 Workbook
 - Marine Loading Operation PI-1S Workbook

Contact Information

Crystal DelaCruz

Rule Registrations Section | Air Permits Division

Texas Commission on Environmental Quality

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